IONIA COUNTY BOARD OF COMMISSIONERS
BOARD OF COMMISSIONERS MEETING
OCTOBER 22, 2024 – 3:00 P.M.
101 WEST MAIN STREET
IONIA, MICHIGAN

THIS MEETING WILL BE HELD IN PERSON AND ZOOM

AGENDA

I. Call to Order

II. Pledge of Allegiance

III. Invocation

IV. Approval of Agenda
- A. Consideration of additional items

V. Public Comment (Three-minute time limit per-speaker – please state name/organization)

VI. Action on Consent Calendar
- A. Approve minutes of the previous meeting (s)
- B. Approve per diem and mileage
- C. Approve payments of Common Cash and General Fund Payroll for the month of September 2024- $1,952,319.83
- D. Approve payments of Health Department payroll and accounts payable for the month of September 2024-$ 197,355.71
- E. Approve payments of Road Department payroll and accounts payable for the month of September 2024-$ 1,203,484.74
- F. Approval of payments from Trust and Agency for the month of September 2024-$2,343,283.05

VII. Unfinished Business

VIII. New Business
- A. 2025 Budget Hearing
- B. Adopt the 2025 Budget Resolution
- C. Adopt the 2025 Road Department Budget Resolution
- D. Request approval and to adopt Ionia County Pension Plan-Jack Kasko
- E. Request for Foster Swift to represent the County of Ionia in appeal PA233-Patrick Jordan
- F. Request approval of Solid Waste Plan Amendment-Melissa Eldridge
- G. Request As Needed Engineering Services at Road Department-Linda Pigue
- H. Request Approval to Repair Bridges 4031, 4054, and 4064-Linda Pigue

I. Request for a Fire Monitoring Alarm System-Linda Pigue

IX. Department Reports

A. Building Department
B. Drain Department

X. Reports of Officers, Boards, and Standing Committees

A. Chairperson
B. Board of Commissioners
C. County Administrator

XI. Reports of Special or Ad Hoc Committees

XII. Public Comment (3-minute time limit per speaker)

XIII. Closed Session- NONE

XIV. Adjournment

Board and/or Commission Vacancies

Appointments for consideration in the month of October 2024:

Appointments for consideration in the month of November 2024:

IONIA COUNTY BOARD OF COMMISSIONERS
David Hodges, Chairman

October 8, 2024, 3:00 p.m.
Minutes

Members Present: County Commissioner David Hodges, County Commissioner Scott Wirtz, County Commissioner Larry Tiejema, County Commissioner Phil Hesche, County Commissioner Gordon Kelley, County Commissioner Jack Shattuck, County Commissioner Terence Frewen

Members Absent:

Others Present: County Administrator Patrick Jordan, County Finance Director Bernadette Blonde, County Clerk Greg Geiger

I. Call to Order
Hodges called the meeting to order at 3:00 p.m.

II. Pledge of Allegiance
Hodges led the pledge of allegiance.

III. Invocation
Hodges led the invocation.

IV. Approval of Agenda
Board discussed the agenda, added items regarding Building department fee schedule.

Motion to Approve Agenda as Amended
Moved by Tiejema
Supported by Frewen
Motion carried by voice vote

V. Public Comment
No public comment.

VI. Action on the Consent Calendar
Consent Agenda was approved by unanimous consent.

VII. Unfinished Business
No unfinished business.

VIII. New Business

Board discussed approval of Mid-State Health Network SUD Agreement. Health Department Personal Health Director Aimee Feehan presented the agreement and recommended approval.

Motion to Approve
Moved by Shattuck
Supported by Wirtz
Motion carried by voice vote

Board discussed approval of contract with Michigan Department of Environment, Great Lakes, and Energy. Health Department Personal Health Director Aimee Feehan presented the agreement and recommended approval

Motion to Approve
Moved by Frewen
Supported by Tiejema
Motion carried by voice vote

Board discussed accepting bids for man doors from Overhead Door Company. Road Department Director presented the bids recommended accepting bids.

Motion to Approve Bid from Overhead Door
Moved by Tiejema
Supported by Kelley
Motion carried by voice vote

Board discussed 2024 Apportionment Report and Resolution. Equalization Director Anthony Meyaard presented the report and recommended adoption of the resolution.

Motion to Approve 2024 Apportionment Resolution
Moved by Frewen
Supported by Kelley
Motion carried by roll call vote
Yes – Hodges, Wirtz, Tiejema, Hesche, Kelley, Shattuck, Frewen
No –

Board discussed establishing a Veteran's Services Office for Ionia County. Board discussed the differences between the Soldiers and Sailors Fund and a Veteran's Service Office. Board discussed preferred option, possible levy of $1/10^{th}$ mill for the Soldiers and Sailors Fund. Board tabled issue for further discussion.

Board discussed increasing Board of Commissioners compensation. Board tabled issue for further discussion and clarification.

Board discussed Building Department fee schedule. Building and Codes Officer Bert Gale presented the fee schedule and recommended approval.

Motion to Approve Fee Schedule
Moved by Tiejema
Supported by Kelley
Motion carried by voice vote

IX. Department Reports

No public comment.

X. Reports of Officers, Boards, and Standing Committees

Kelley commented on City of Ionia Brownfield Development Project.
Hesche commented on Rails to Trails meeting.
Frewen commented on DHHS meeting.

XI. Reports of Special or Ad Hoc Committees

No Special or Ad Hoc Committee reports.

XII. Public Comment

No public comment.

XIII. Closed Session

No closed session.

XIV. Adjournment

Motion to Adjourn at 4:01 pm
Moved by Shattuck
Supported by Kelley
Motion carried by voice vote

David Hodges, Chairman

Greg Geiger, County Clerk

County of Ionia
Request for Per Diem and Mileage

Commissioner Hesche

Sept 2024

Board/Commission	Date	Hours	Per Diem	Miles	Mileage
Commissioners Meeting	10-Sept		50		24 16.08
Commissioners Meeting	24-Sept		50		24 16.08
Special Board Meeting					
Facilities Committee					
Grievance Hearing Committee					
Lake Board-Morrison Lake					
Mid-West Trail Authority	19-Sept		50		82 54.94
Tax Allocation Board					
Budget meet	5-Sept		50		24 16.08
Budget meet	13-Sept		50		24 16.08
Budget meet	18-Sept		50		24 16.08
Other					

Total Per Diem Requested: 300.00

Total Mileage Requested: 135.34

Paul Hesche
Signed

8-Oct-24
Date

Per Diem Rates: $50 for meetings up to three hours; $75 for meetings more than three hours

Mileage for 2024 is .67 cents per mile.

County of Ionia
Request for Per Diem and Mileage

Commissioner Chairman Hodges

September **2024**

Board/Commission	Date	Hours	Per Diem	Miles	Mileage
Commissioners Meeting	9/10		50.00	38	
Commissioners Meeting	9/24		50.00	38	
Special Board Meeting					
Facilities Committee					
Grievance Hearing Committee					
Airport Board	9/10		50.00	0	
Community Mental Health *					
Emergency Management Council	9/16		50.00	38	
Park Advisory Board					
SW Michigan Alliance for Region Three					
West Michigan Regional Planning Comm	9/20		50.00	68	
Other: Budget -	9/5		50.00	38	
Budget -	9/13		50.00	38	
Budget -	9/18		50.00	38	
mental Health	9/23		50.00	38	334

Total Per Diem Requested: $450.00

Total Mileage Requested: # 223.78

David R Hay

Signed

9/24/24

Date

Per Diem Rates: $50 for meetings up to three hours; $75 for meetings more than three hours

Mileage for 2024 is .67 cents per mile.

County of Ionia
Request for Per Diem and Mileage

Commissioner Kelley
September 2024

Board/Commission	Date	Hours	Per Diem	Miles	Mileage
Commissioners Meeting	9/10	1 1/2	50		
Commissioners Meeting	9/24	1 1/2	50		
Special Board Meeting					
Facilities Committee					
Personnel Committee					
Brownfield Redevelopment Authority					
Commission on Aging Board	9/19	1 1/2	50		
Mid-West Trail Authority	9/26	1 1/4	50	54	36.18
Road Department Meeting	9/16	1 1/2	50		
West Michigan Regional Planning Comm	9/20	1 1/2	50	66	44.22
Budget Petoskey	9/5	1	50		
Other: ROAD DEPT SEMINAR -	9/12	ALL DAY	75	436	292.16
Budget	9/13		50		
Budget	9/18	1 3/4	50		
ROAD DEPT MTG	9/30	1 1/4	50		

Total Per Diem Requested: 575.00

Total Mileage Requested: 372.56

Signed K Kelley

9/30/2024
Date

Per Diem Rates: $50 for meetings up to three hours; $75 for meetings more than three hours

Mileage for 2024 is .67 cents per mile.

County of Ionia
Request for Per Diem and Mileage

Commissioner Shattuck

Sept. **2024**

Board/Commission	Date	Hours	Per Diem	Miles	Mileage
Commissioners Meeting	9-10		50.00		12.00
Commissioners Meeting	9-24		50.00		12.00
Special Board Meeting					
Airport Board	9-10		50.00		0
Airport Zoning Board					
Audit Committee					
Bargaining Committee Representative					
Lake Board-Jordan Lake					
MAC Workers' Comp Board	9-4		0		0
MSU Extenstions Council					
SMART					
Parks Advisory Board	9-11		50.00		15.00
Finance	9-24		50.00		0
Other: Materials Mang	9-23		50.00		11.00
Solid Waste	9-11		0		
Budget	9-5		50.00		12.00
" "	9-18		50.00		12.00

Total Per Diem Requested: 400.00

Total Mileage Requested: 74.00

Signed Jack Shattuck

Date 10/8/24

Per Diem Rates: $50 for meetings up to three hours; $75 for meetings more than three hours

Mileage for 2024 is .67 cents per mile.

Commissioner Tiejema
August-24

Board/Commission	Date	Hours	Per Diem	Miles	Mileage
Commissioners Board Meeting	08/13/24	-	$50.00	18	$11.79
Commissioners Board Meeting	08/27/24	-	$50.00	18	$11.79
Finance Committee	08/20/24	1:30	$50.00	18	$11.79
Central Dispatch					
Personnel Committee	08/13/24	1:40	$50.00	-	-
ASCET board meeting	08/26/24	1:24	$50.00	56	$36.68
Others:					
Board Training	08/19/24	1:30	50	18	$11.79

Total Per Diem Requested: **$300.00**

Total Mileage Requested: **$83.84**

Tony Tiejema
Signed

10/04/24
Date

Commissioner Tiejema
September-24

Board/Commission	Date	Hours	Per Diem	Miles	Mileage
Board of Commissioners Meeting	09/10/24		50.00	18	11.79
Board of Commissioners Meeting	09/24/24		50.00	18	11.79
Finance Committee	09/17/24	!:15	50.00	18	11.79
Central Dispatch Advisory Board					-
AAAWM Board	09/23/24	1:40	50.00	52	34.06
Personnel Committee					-
					-
Other:					-
Budget Meeting	09/05/24	-	50.00	17	11.14
Budget Meeting	09/18/24	-	50.00	17	11.14
Local Development Authority	09/17/24	1:25	50.00	-	-
Total Per Diem Requested:			**$350.00**		

Total Mileage Requested: **$91.70**

Signed: Tony Tiejema ***Date*** 10/04/24

County of Ionia
Request for Per Diem and Mileage

Commissioner Frewen

September, 2024

Board/Commission	Date	Hours	Per Diem	Miles	Mileage
Commissioners Afternoon Meeting	09/10/2024	1.5	$50.00	38.6	$25.~~28~~ 86
Commissioners Afternoon Meeting	09/24/2024	2	$50.00	38.6	$25.~~28~~ 86
Grievance Committee					$0.00
Personel Committee					
Board of Public Works					
DHHS Board Meeting	09/05/2024	absent			
Eightcap Governing Board	09/27/24	absent			$0.00
ICEA Meeting	09/26/2024	absent			$0.00
Road Dept Meeting	09/16/2024	absent			$0.00
Road Dept Meeting	09/30/24	1	$50.00	38	$~~24.80~~ 25.46
County Road Association Conference	09/22/2024	1.5	$75.00	190	$~~124.45~~ 127.3
County Road Association Conference	09/23/2024	8.5	$75.00	190	$~~124.45~~ 127.3
Finance Meeting	09/17/24	1	$50.00	38.6	$25.~~28~~ 86
Budget Meeting	09/05/2024	1.5	$50.00	38.6	$25.~~28~~ 86
Budget Meeting	09/18/2024	2.5	$50.00	38.6	$25.~~28~~ 86
				611 ✓	
Total Per Diem Requested:			$450.00		
					409.36
Total Mileage Requested:					~~$400.21~~ ~~400.19~~
			Total	~~$850.21~~ 859.36	

Terence M. Frewen

Signed Terence M. Frewen

10/3/24

Date

Per Diem Rates: $50 for meetings up to three hours; $75 for meetings more than three hours

Mileage for 2024 is 67 cents

County of Ionia
Request for Per Diem and Mileage

Commissioner Wirtz

September 2024

Board/Commission	Date	Hours	Per Diem	Miles	Mileage
Commissioners Meeting	9-10-24		50		4.69
Commissioners Meeting	9-24-24		50		4.69
Special Board Meeting					
Audit Committee					
Airport Board	9-10-24		50		4.69
Board of Public Works					
Community Correction Advisory Board					
Long Lake Board					
Other: Budget Meeting	9-5-24		50		4.69
" "	9-13-24		50		4.69
" "	9-18-24		50		4.69

Total Per Diem Requested: $300

Total Mileage Requested: $28.14

Scott Wirtz

Signed

10-4-24

Date

Per Diem Rates: $50 for meetings up to three hours; $75 for meetings more than three hours
Mileage for 2024 is .67 cents per mile.

RESOLUTION TO ADOPT THE
2025 IONIA COUNTY GENERAL APPROPRIATIONS ACT

WHEREAS, the Uniform Budgeting and Accounting Act ("UBAA"), Public Act 621 of 1978, as amended, requires that each local unit of government adopt a balanced budget for all required funds; and,

WHEREAS, The Finance Director has received input from officials responsible for providing mandated services to determine serviceable levels and the funds to sustain such levels, and has reported these requests to the Board of Commissioners along with recommended funding levels; and,

WHEREAS, The Ionia County Board of Commissioners ("Board") has examined the requests and recommendations and has taken into consideration the fact that there are certain required functions of county government or operations that must be budgeted at a serviceable level in order to provide statutory and constitutionally required services and programs.

NOW, THEREFORE, BE IT RESOLVED, that the County Treasurer is hereby directed to collect 4.6434 mills for the County's general operations, which may be subject to future amendment based on changes in the Headlee Millage Reduction Fraction and finalized Taxable Values.

BE IT FURTHER RESOLVED, that this budget reflects a reasonable allocation of available resources to the various County departments, boards, and agencies, and allows for all mandated services, programs, and activities, including the courts and the constitutional and statutory offices, to be performed at and above reasonable, necessary, and serviceable levels.

BE IT FURTHER RESOLVED, that the appropriations for the General Fund and Special Revenue Funds are adopted at the Fund level, and that the amounts indicated in the accompanying detail are hereby appropriated from the appropriate funds of the County of Ionia according to the activities and accounts contained in that detail, incorporated herein by reference, and that such appropriations shall be restricted in accordance with board policies to the purpose described in the title of the accounts specified in the detail and by the provisions of this Act (program summaries are provided for information only).

BE IT FURTHER RESOLVED, that the following restrictions and obligations shall apply to these appropriations and anyone who accepts funds pursuant to this Act or otherwise incurs expenditures in expectation of County funding shall be deemed to have agreed to these restrictions and obligations:

1. All terms in this Act shall have the meaning assigned to them by the Uniform Budgeting and Accounting Act. The term "budgetary center" includes all courts and offices of the courts receiving funds through this General Appropriations Act.

2. The County Administrator shall serve as the Chief Administrative Officer and the Fiscal Officer, as defined in the UBAA.

3. All budgetary centers receiving funds herein shall abide by the UBAA and the Uniform Chart of Accounts referenced therein. Each administrative officer in charge of a budgetary center shall promptly provide the Fiscal Officer with all information that the Fiscal Officer considers necessary and essential to the preparation of a County budget for the ensuing fiscal period.

4. The amounts appropriated herein shall be paid from the County Treasury at the time and in the manner provided by law, in this Act, and other applicable policies or resolutions of the Board, whether enacted to date or subsequently adopted.

5. Expenditures and revenues shall be recorded and reported in the manner provided by law. Fees and other money received by budgetary centers shall be forwarded promptly to the County Treasurer and credited to the appropriate County Fund, except as otherwise provided by this Act or by any other resolution or policy of the Board.

6. Each budgetary center shall limit expenditures within the appropriations authorized herein and shall not attempt to expend funds at a rate which will eventually result in a deficit in any account without prior approval of the Board, except as otherwise provided by law. All expenditures of county funds and other funds under the control of any budgetary center shall be expended only for the purposes attached to the accounts and within the various policies of the Board, including any applicable collective bargaining agreements, and personnel policies that are approved by the Board of Commissioners. The County of Ionia shall only be responsible for the payment of purchases made in accordance with the provisions of MCLA 46.13b, Act 58 of 1909, the UBAA, and any policies or resolutions of the Board, whether enacted to date or subsequently adopted.

7. No overtime shall be paid without advance approval of the Board. Where a budgetary center has been given an overtime line item, the administrator for that budgetary center shall have the authority to approve overtime within the budgetary limits set by the Board within this Act, or subsequent amendments to this Act. If the total amount of overtime in any given month exceeds $1/12^{th}$ of the amount allocated, the administrator for that budgetary center shall submit to the Board of Commissioners in writing a detailed report outlining why overtime for that month exceeded $1/12^{th}$ of the allocation.

8. Only essential travel will be permitted as stated in the County Personnel Policy and the County Travel Policy. Conferences must be in the best interest of the County. The County will not reimburse employees for the expenses incurred by the employee's spouse or family members attending a conference.

9. All memberships and dues shall be paid out of the appropriate budgetary center.

10. Court-related consultants (expert witnesses), jurors, witnesses, and attorney fees, have been placed in established budgetary centers. Approval of all expenditures related to these accounts shall remain with the appropriate court in accordance with the limits set for appropriations as authorized in this Act and any subsequent amendment to this Act.

11. The County Administrator shall be authorized to transfer appropriations between line items within an activity upon request of an activity administrator under the following limitations:

A. Funds may not be transferred from supplies and services to wages and benefits for the purpose of creating permanent positions.
B. Such transfers shall be reported in writing to the Board of Commissioners.

12. The County Administrator shall be authorized to transfer appropriations among activities within a fund upon the request and/or with the written consent of the activity administrators allocating and receiving the funds, according to the following limitations:

A. Funds may not be transferred from supplies and services to wages and benefits for the purpose of creating permanent positions.
B. No activity shall allocate or receive more than $10,000 in any transfer.
C. Such transfers shall be reported in writing to the Board of Commissioners.

13. The County Administrator shall be authorized to make year-end transfers among activities or funds or with such amounts that may be available in the Contingency of the General Fund, as may be necessary to insure that activities or funds do not end the fiscal year in a deficit condition. All such transfers shall be recorded in the official financial records of the County through the normal accounting process. The County Administrator shall consult with and receive written approval from the Chairman and the Vice-Chairman of the Board of Commissioners before authorizing year-end transfers, and shall submit in writing a record of the transfers to the Board of Commissioners.

14. The Personnel Allocations contained in this budget shall limit the number of permanent full time equated (FTE) employees who can be employed, and no funds are appropriated for any position not listed in the Personnel Allocations. Any modification of employment classifications may be done only through authorization by the Board of Commissioners.

15. The Board of Commissioners reserves the right to change the Personnel Allocations and the County Elected Officials and County Department Heads shall abide by whatever changes are made by the Board of Commissioners, if any, relative to the approved positions and the number of employees stated in the Personnel Allocations. When a position becomes vacant, it shall not be filled without the express authorization of the Board of Commissioners.

16. Positions that are listed under Personnel Allocations that are supported by grant, cost sharing, reimbursement, or some other source of outside funding are only approved

contingent upon the County receiving the budgeted revenues. Upon notification that budgeted funding of a position shall not be received, the elected official or department head shall immediately notify the County Administrator, who shall notify the Board of Commissioners, and that position shall be immediately removed from the Personnel Allocations once the outside funding has been exhausted.

17. Line item appropriations that represent the estimated costs of operating the Ionia County trial courts are contingent upon reimbursements to Ionia County by the State of Michigan in accordance with MCLA 600.151(b).

18. If a budgetary center employs at any time fewer employees than the maximum specified for the appropriate account in this Act, unexpended appropriations in an amount identified with the unfilled position(s) by payroll records shall immediately and automatically revert to General Fund Contingency, unless otherwise authorized by the Board without limitation, or by the County Administrator under the following limitations:

A. Temporary full-time or part-time positions or overtime may be allocated by the County Administrator at the request of a department head as long as the funds are available within a department's wage line item. Any such positions shall be considered employees as determined by IRS regulations and, as such, shall be paid by the County through the normal payroll process.

19. Contracts for goods or services must be authorized for signature by the Board of Commissioners in accordance with Board Policy. All such contract negotiations shall be coordinated with the County Administrator. No expenditure of funds for such contracts shall take place until the Board of Commissioners has authorized contract signatures.

20. Salaries established for the following elected county officials are deemed to be the total salary for each official and inclusive of any statutory fees, per diems, or other payments.

Prosecuting Attorney	$130,726.26
Sheriff	$113,484.38
Clerk	$72,490.38
Treasurer	$72,490.38
Drain Commissioner	$72,490.38
Register of Deeds	$72,490.38

21. The County Administrator is hereby authorized to execute transfers from one fund to another that are specifically allocated in this General Appropriations Act or any amendments thereof that are adopted by the Board of Commissioners.

BE IT FURTHER RESOLVED, that funds earmarked within the General Fund Designated Fund (102) shall not be expended without specific authorization from the Board of Commissioners and

approval for the release of those funds by the County Administrator, with the following exception: the County Administrator is authorized to expend up to $10,000 from any item in which funds were earmarked by the Board of Commissioners as long as the expenditure is consistent with the intent for which the funds were earmarked. Such authorization shall be reported to the Board of Commissioners, and must be made in accordance with relevant policies adopted by the Board of Commissioners, including but not limited to the County Purchasing Policy.

BE IT FURTHER RESOLVED, that revenue received by the County under Public Acts 106 and 107, 1985, (Convention Facility Tax revenue) shall not be used to reduce the County's operating millage as defined by P.A. 2, 1986. In accordance with P.A. 2 of 1986, 50 percent of the actual Convention Facility Tax revenue not used to reduce the County's operating tax rate shall be appropriated to substance abuse agencies as recommended by the appropriate Substance Abuse Advisory Council appointed by the Board of Commissioners, with the remaining revenues to be deposited into the County's General Fund.

BE IT FURTHER RESOLVED, that revenue received from the County under Public Act 264 of 1987, (Health and Safety Fund Act) shall not be used to reduce the County's operating millage, and that 12/17th of the actual Health and Safety Fund Act revenue not used to reduce the County's operating tax rate shall be appropriated to the Ionia County Health Department, with the remaining revenues to be deposited into the County's General Fund.

BE IT FURTHER RESOLVED, that the Board of Commissioners authorizes the following individuals or appointed boards to incur obligations and expend funds from the so mentioned Special Revenue Funds:

Commission on Aging Board for the Commission on Aging Fund
Soldiers and Sailors Relief Board for the Soldiers and Sailors Relief Fund
Central Dispatch Advisory Board for the Central Dispatch Fund
Chief Circuit Court Judge and Friend of the Court for the Friend of the Court Fund
Board of Commissioners for all other Special Revenue Funds

except that in recognition of the fact that the Ionia County General Fund is ultimately responsible for balancing all deficit funds, expenditures from the aforementioned funds shall occur with the following limitations:

1. In the event that it becomes apparent that the actual and probable revenues from all sources expected by a Fund are less than the estimated revenues, including applicable surplus, upon which expenditures are based, the managing board or individuals responsible for the Fund shall be required to cause the total expenditures to not exceed the total of revised estimated revenues. Any such anticipated reduction in revenue shall be reported to the Board of Commissioners in writing as soon as it becomes apparent that such a reduction will occur.

2. Managing boards or individuals shall not increase expenditures beyond those appropriated without prior approval of the Board of Commissioners, even if it becomes

evident that revenues, plus available surplus, are exceeding estimated amounts and such additional expenditures could feasibly be made.

3. Employment contracts shall not become effective until first reviewed and approved by the Board of Commissioners. All employment contract negotiations shall be coordinated with the County Administrator, who shall serve as the lead negotiator for all contract negotiating teams.

BE IT FURTHER RESOLVED, that this Act shall become effective January 1, 2025. The Board may amend this Act at any time and any appropriation made hereunder may be increased or decreased at the Board's discretion.

Approved: October 22nd, 2024

_____	_____
David Hodges	Greg Geiger
Chairperson	Clerk

ROAD DEPARTMENT GENERAL APPROPRIATIONS ACT

Moved by _____ and seconded by_____, that the 2025 Ionia County Road Department General Appropriation Act be approved as per the 2025 Budget Summary approved at the Board meeting and Public Hearing held on October 22nd, 2024.

For the purpose of administering the General Appropriations Act in accordance with the provisions of Public Act 621 of 1978, as amended, the following provisions are included:

The chief administrative officer is authorized to transfer up to 25% of a line item amount approved in the General Appropriations Act to another line item without prior approval, but subject to approval of the County Board Commissioners at their next regular Board Meeting.

The expenditure amounts approved in this General Appropriations Act for Distributive Expense shall be allocated to the various other expenditure line items in the proportion as the allocation of actual Distributive Expense at year end.

MOTION APPROVED by roll call vote:

Ayes,

Nays,

2025 BUDGET

IONIA COUNTY, MICHIGAN



APPROVED BUDGET

FOR THE

FISCAL YEAR ENDING DECEMBER 31,2025

Presented
To
Ionia County Board of Commissioners

David Hodges, Chairman
Terence Frewen, Vice Chairman
Scott Wirtz, Commissioner
Lawrence Tiejema, Commissioner
Phillip Hesche, Commissioner
Gordon Kelley, Commissioner
Jack Shattuck, Commisioner

By:
Bernadette Blonde, CGFM, Finance Director
Patrick Jordan, County Administrator

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GENERAL FUND
FINANCIAL SUMMARY
2025

Summary of 2025 Operating Activity:

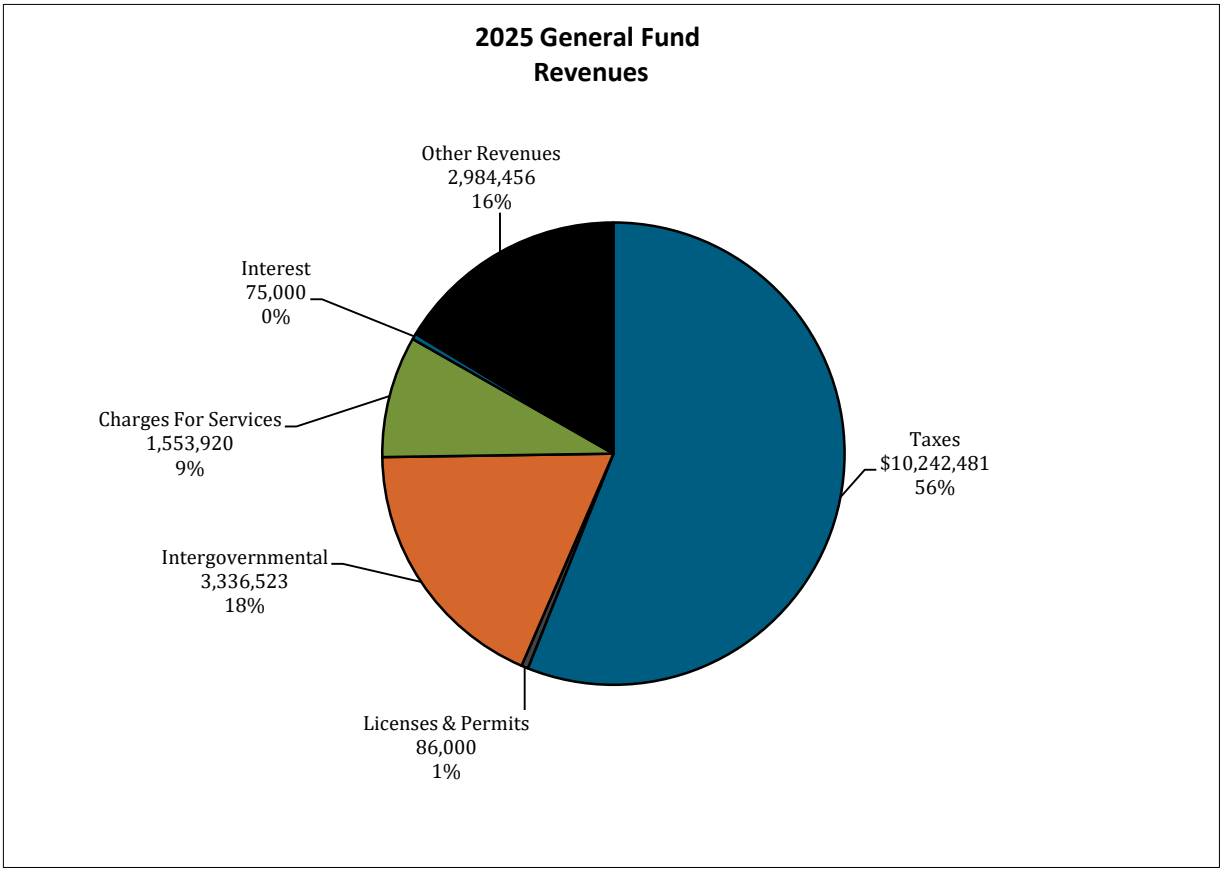
Estimated Revenues & Financing Sources:			
Taxes	$10,242,481	56.04%	
Licenses & Permits	86,000	0.47%	
Intergovernmental	3,336,523	18.25%	
Charges For Services	1,553,920	8.50%	
Interest	75,000	0.41%	
Other Revenues	2,984,456	16.33%	
Total Estimated Revenues & Financing Sources			$18,278,380
Estimated Expenditures & Financing Uses:			
Legislative	160,085	0.88%	
General Government	5,693,223	31.13%	
General Government - Judicial	2,824,882	15.45%	
Public Safety	7,276,842	39.79%	
Health & Welfare	655,748	3.59%	
Community Economic & Development	27,540	0.15%	
Recreation & Culture	142,917	0.78%	
Other	462,360	2.53%	
Public Works	288,315	1.58%	
Other Financing sources (uses)	756,528	4.14%	
Total Estimated Expenditures & Financing Uses			18,288,440
Anticipated Surplus (Deficit) for 2025			($10,060)

Statement of Fund Balance

Fund Balance as of December 31, 2023 (per audited financial statements)		$4,065,203
Anticipated Surplus (Deficit) for 2024		(714,217)
Estimated Available Fund Balance as of December 31, 2024		3,350,986
Anticipated Surplus (Deficit) for 2025		(10,060)
Estimated Available Fund Balance as of December 31, 2025	**18%**	$3,340,926
Minimum Fund Balance (15%) of 2025 Budgeted Appropriations		**2,743,266.00**

GENERAL FUND
DETAILED REVENUE SUMMARY BY SOURCE

ACTIVITY	2023 Actual	2024 Original Budget	2024 Projected Total	2025 BUDGET	% of Total	% Chg v. 2024 Budget
TAXES						
Current Tax Collections	$9,446,740	$9,705,391	$9,705,391	$10,015,000	54.79%	3.19%
Trailer Tax	$6,464	$6,050	$6,050	$6,100	0.03%	0.83%
Marijuana Tax	$238,555	$207,100	$208,381	$221,381	1.21%	6.90%
TOTAL TAXES	9,691,759	9,918,541	9,919,822	10,242,481	56.05%	3.27%
LICENSES & PERMITS						
Pistol Permits	5,055	6,000	6,000	6,000	0.02%	0.00%
Dog License	82,104	90,000	90,000	80,000	0.44%	-11.11%
TOTAL LICENSES & PERMITS	87,159	96,000	96,000	86,000	0.46%	-10.42%
INTERGOVERNMENTAL						
Federal Revenue	4,646,922	4,432,293	4,434,750	95,300	0.52%	-97.85%
Local Community Stabilization Share	428,966	410,000	410,000	440,000	2.41%	7.32%
State Revenue Sharing	1,351,951	1,410,988	1,410,988	1,646,926	9.01%	16.72%
Court & Judicial Reimbursement	356,422	393,072	395,072	369,679	2.02%	-5.95%
State Grants	604,614	324,187	329,187	322,993	1.77%	-0.37%
Liquor Inspection	13,231	13,000	13,504	13,000	0.07%	0.00%
Public Safety & Training Grants	136,215	107,887	132,887	172,876	0.95%	60.24%
Spirit Tax Distribution	186,071	215,947	215,947	223,749	1.22%	3.61%
Other	53,819	49,000	52,874	52,000	0.28%	6.12%
TOTAL INTERGOVERNMENTAL	7,778,211	7,356,374	7,395,209	3,336,523	18.26%	-54.64%
CHARGES FOR SERVICES						
Court Costs	444,766	415,850	416,335	426,350	2.33%	2.52%
Fees	610,330	596,575	602,775	554,150	3.03%	-7.11%
Fines	74,768	59,800	65,549	62,000	0.34%	3.68%
Local Restitution	8,963	9,128	9,128	9,036	0.05%	-1.01%
County Tax Transfer	309,358	205,000	205,000	200,000	1.09%	-2.44%
Road Patrol Services	261,326	269,425	269,425	271,884	1.49%	0.91%
Other	33,670	35,500	35,576	30,500	0.17%	-14.08%
TOTAL CHARGES FOR SERVICES	1,743,181	1,591,278	1,603,788	1,553,920	8.49%	-2.35%
INTEREST						
Interest Income	514,971	250,000	413,000	75,000	0.41%	-70.00%
TOTAL INTEREST	514,971	250,000	413,000	75,000	0.41%	-70.00%
OTHER REVENUES						
Rent - Parks Pavilion & Picnic Areas	36,678	38,150	38,205	35,150	0.19%	-7.86%
Reimbursement - Cost Allocation	1,229,714	1,291,771	1,329,063	1,184,106	6.48%	-8.33%
Parks & Recreation Fees & Permits	22,800	19,750	25,173	23,700	0.13%	20.00%
Reimbursement	1,048,515	1,182,860	1,114,746	921,000	5.04%	-22.14%
Transfer In - Other Funds	42,060	62,000	42,000	792,000	4.33%	1177.42%
Other Revenue	107,094	16,160	76,260	28,500	0.16%	76.36%
TOTAL OTHER REVENUE	2,486,861	2,610,691	2,625,447	2,984,456	16.33%	14.32%
TOTAL REVENUES	22,302,142	21,822,884	22,053,266	18,278,380	100.00%	-16.24%


2025 General Fund
Revenues
Other Revenues
2,984,456
16%
Interest
75,000
0%
Charges For Services
1,553,920
9%
Intergovernmental
3,336,523
18%
Licenses & Permits
86,000
1%
Taxes
$10,242,481
56%

GENERAL FUND
DEPARTMENT EXPENDITURE SUMMARY

Expenditures by Function

FUNCTION	2023 Actual	2024 Amendended Budget	2024 Projected Total	2025 BUDGET	% of Total	% Chg v. 24 Budget
LEGISLATIVE						
Board of Commissioners	$94,822	$155,097	$156,049	$160,085	0.88%	3.22%
TOTAL LEGISLATIVE	94,822	155,097	156,049	160,085	0.88%	3.22%
GENERAL GOVERNMENT						
County Administrator & Human Resources	353,871	360,150	363,885	481,011	2.63%	33.56%
Finance	513,265	459,719	461,393	295,865	1.62%	-35.64%
Clerk - Elections	260,485	554,149	588,483	516,896	2.83%	-6.72%
Information Technology	1,173,310	1,100,170	1,100,170	1,151,200	6.29%	4.64%
Treasurer	260,418	350,753	339,422	344,460	1.88%	-1.79%
Equalization	203,091	214,259	215,009	226,924	1.24%	5.91%
MSU Extension	130,086	135,564	135,564	139,668	0.76%	3.03%
Building & Grounds	884,701	926,242	920,883	973,664	5.32%	5.12%
Janitorial	196,465	281,911	275,000	215,500	1.18%	-23.56%
Prosecuting Attorney	871,710	985,679	874,213	902,783	4.94%	-8.41%
Register of Deeds	133,605	216,906	216,486	242,355	1.33%	11.73%
Abstracting	41,969	58,125	58,407	60,374	0.33%	3.87%
Remonumentation	54,887	32,200	42,200	52,000	0.28%	61.49%
Fleet Maintenance	41,117	37,593	34,316	43,923	0.24%	16.84%
Communications	43,869	58,000	40,000	42,250	0.23%	-27.16%
Memberships & Miscellaneous	4,342	5,400	5,400	4,350	0.02%	-19.44%
TOTAL GENERAL GOVERNMENT	5,167,191	5,776,820	5,670,831	5,693,223	31.13%	-1.45%
GENERAL GOVERNMENT- JUDICIAL						
Circuit Court	690,859	708,563	692,930	716,530	3.92%	1.12%
District Court	1,112,270	1,170,409	1,218,584	1,282,050	7.01%	9.54%
Courts - General	24,717	18,700	18,700	18,700	0.10%	0.00%
Jury Commission	1,742	4,350	4,350	4,650	0.03%	6.90%
Probate Court	548,605	554,302	554,302	607,275	3.32%	9.56%
Juvenile Court	428,087	546,133	516,180	195,677	1.07%	-64.17%
TOTAL GENERAL GOVERNMENT-JUDICIAL	2,806,280	3,002,457	3,005,046	2,824,882	15.45%	-37.05%
PUBLIC SAFETY						
Sheriff - Administration	549,117	554,652	532,525	534,072	2.92%	-3.71%
Sheriff - Uniformed Services	2,028,822	2,526,406	2,526,406	2,467,455	13.49%	-2.33%
CMET	60,697	104,954	104,954	114,390	0.63%	8.99%
Central Dispatch	26,130	0	0	0	0.00%	0.00%
Marine Safety	3,678	94,908	94,908	5,298	0.03%	-94.42%
Secondary Road Patrol	109,762	96,588	106,188	114,225	0.62%	18.26%
Jail	2,148,715	3,311,766	3,311,765	3,503,401	19.16%	5.79%
Emergency Management	91,618	149,815	149,814	97,800	0.53%	-34.72%
Animal Control & Animal Shelter	270,136	405,297	384,613	405,983	2.22%	0.17%
Sheriff - Academy	32,232	30,325	30,321	34,218	0.19%	12.84%
TOTAL PUBLIC SAFETY	5,320,907	7,274,711	7,241,494	7,276,842	39.79%	0.03%
HEALTH & WELFARE						
Substance Abuse	83,390	73,550	73,550	89,500	0.49%	21.69%
Medical Examiner	183,262	183,000	183,000	198,505	1.09%	8.47%
Mental Health	163,000	163,000	163,000	163,000	0.89%	0.00%
Social Services	9,833	11,000	11,000	10,000	0.05%	-9.09%
Area Agency on Aging	2,091	0	0	0	0.00%	0.00%
Veterans	23,848	33,500	33,500	33,500	0.18%	0.00%
Child Care Fund	219,117	198,000	198,000	161,243	0.88%	-18.56%
TOTAL HEALTH & WELFARE	684,541	662,050	662,050	655,748	3.59%	-0.95%
COMMUNITY AND ECONOMIC DEVELOPMENT						
Economic Development	25,000	27,000	27,000	27,540	0.15%	2.00%
TOTAL COMMUNITY AND ECON. DEV.	25,000	27,000	27,000	27,540		
RECREATION & CULTURAL						
Parks & Recreation Department	130,681	137,666	135,497	142,917	0.78%	3.81%
TOTAL RECREATION & CULTURAL	130,681	137,666	135,497	142,917	0.78%	3.81%

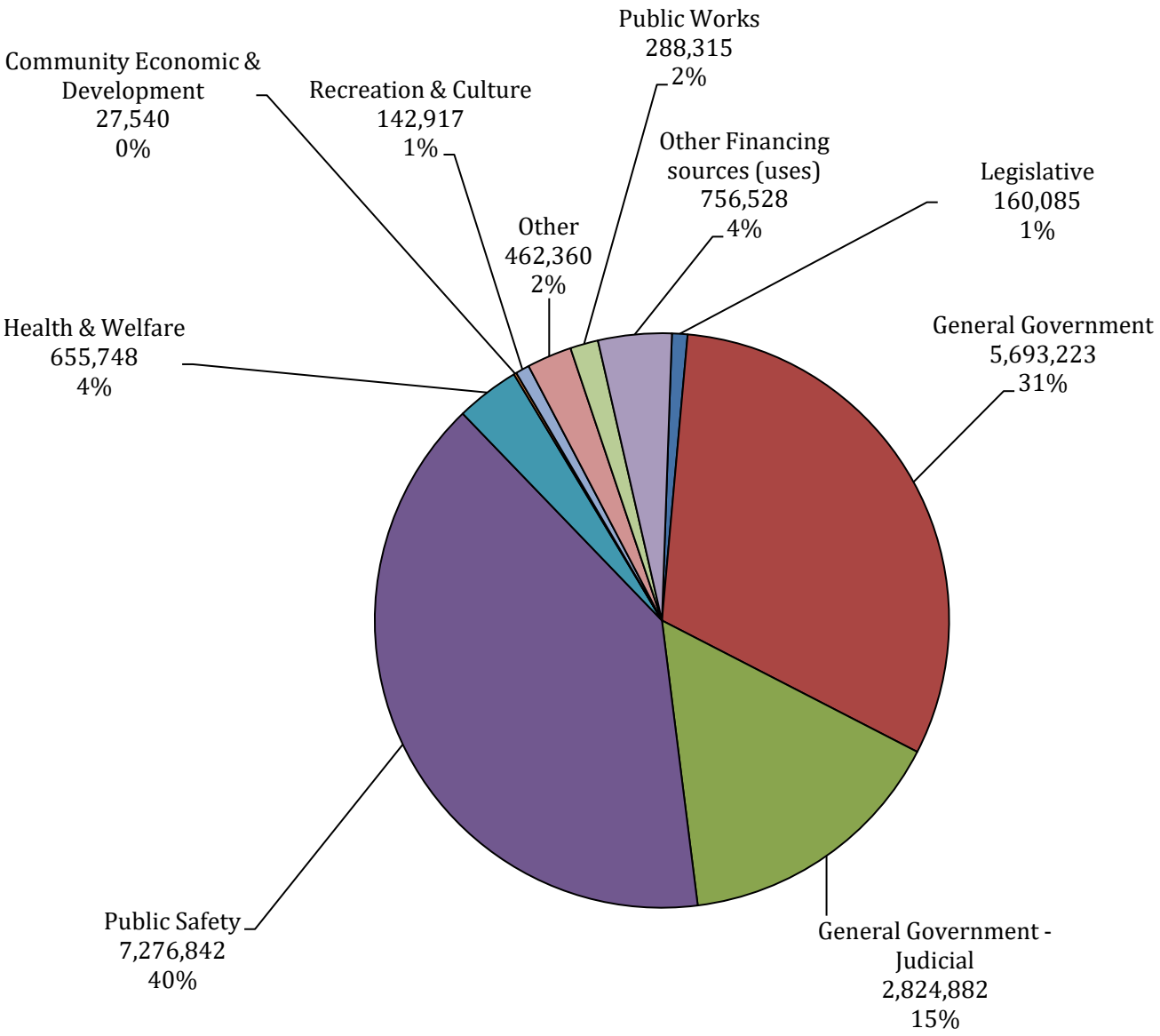
GENERAL FUND
DEPARTMENT EXPENDITURE SUMMARY

FUNCTION	2023 Actual	2024 Amendended Budget	2024 Projected Total	2025 BUDGET	% of Total	% Chg v. 24 Budget
OTHER						
Insurance & Bonds	530,463	383,516	383,516	394,000	2.15%	2.73%
Record Copy	52,113	69,000	69,000	68,360	0.37%	-0.93%
ARPA (American Rescue Plan Act)	4,540,510	1,884,993	1,884,993	0	0.00%	-100.00%
TOTAL OTHER	5,123,086	2,337,509	2,337,509	462,360	2.53%	-80.22%
PUBLIC WORKS						
Drain Commissioner	197,305	208,690	205,704	213,411	1.17%	2.26%
Drains at Large	90,528	104,011	104,011	74,904	0.41%	-27.98%
TOTAL PUBLIC WORKS	287,833	312,701	309,715	288,315	1.58%	-7.80%
OTHER FINANCING SOURCES (USES)						
TRANSFER OUT	1,515,451	3,214,839	3,222,292	756,528	4.14%	-76.47%
TOTAL OTHER FINANCING SOURCES	1,515,451	3,214,839	3,222,292	756,528	4.14%	-76.47%
TOTAL EXPENDITURES	$21,155,792	$22,900,850	$22,767,483	$18,288,440	100.00%	-20.14%

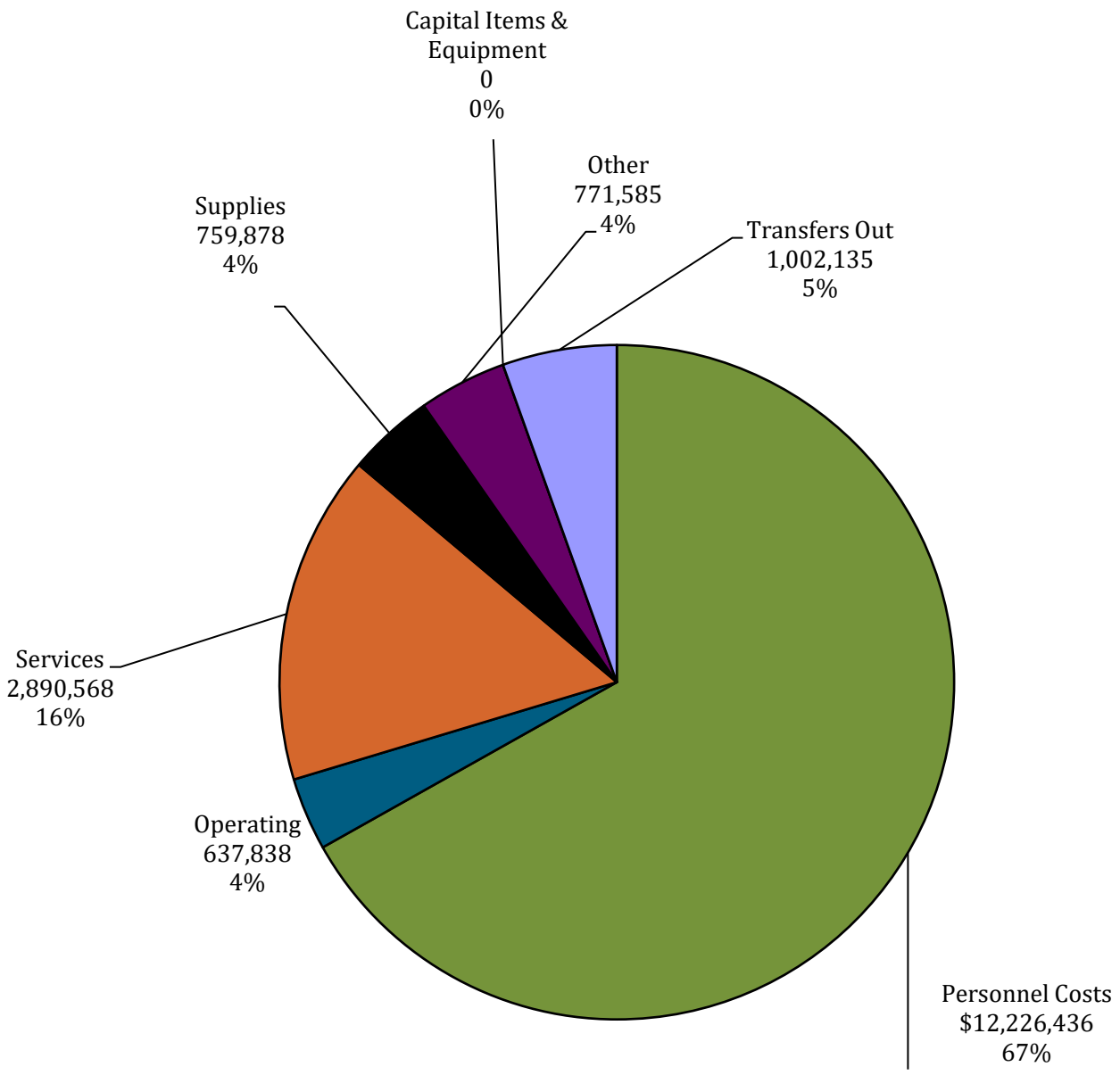
Expenditures by Account Classification

ACCOUNT CLASSIFICATION	2023 Actual	2024 Amendended Budget	2024 Projected Total	2025 BUDGET	% of Total	% Chg v. 24 Budget
Personnel Costs	$10,657,894	$12,316,427	$12,176,451	$12,226,436	66.85%	-0.73%
Operating	581,176	620,102	604,243	637,838	3.49%	2.86%
Services	3,709,580	4,707,456	4,719,757	2,890,568	15.81%	-38.60%
Supplies	1,106,223	855,744	853,107	759,878	4.15%	0.00%
Other	968,303	790,194	789,753	771,585	4.22%	-2.35%
Capital Items & Equipment	1,263,570	90,408	90,408	0	0.00%	-100.00%
Transfers Out	2,869,046	3,526,311	3,533,764	1,002,135	5.48%	-71.58%
TOTAL EXPENDITURES	$21,155,792	$22,906,642	$22,767,483	$18,288,440	100.00%	-20.16%

2025 General Fund
Expenditures by Function



2025 General Fund
Expenditures by Classification



FUND 101: GENERAL FUND

Fund 101, known as the General Fund, is the primary operating fund for the county, supporting the general functions and services provided to the community. This fund finances essential government services, including public safety, administration, judicial services, parks and recreation, and health and human services. The General Fund is primarily funded by property taxes, state revenue sharing, and fees for services.

The resources in Fund 101 are used to ensure that core public services operate efficiently and effectively. This fund is vital for the daily operations of the county, providing the financial foundation for essential services that directly impact residents' quality of life. Through careful budgeting and management, the General Fund ensures that the county can meet the needs of its citizens while maintaining fiscal responsibility.

ESTIMATED REVENUES

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
101-000.000-401.001	PROPERTY TAX - ALLOCATED	9,446,740	9,705,391	9,705,391	10,015,000
101-000.000-401.200	TRAILER TAX	6,464	6,050	6,050	6,100
101-000.000-439.001	MARIJUANA TAX	236,345	207,000	207,000	220,000
101-000.000-528.407	OTHER FED GRANT-AMERICAN RESCUE PLAN	4,524,179	4,309,993	4,309,993	
101-000.000-539.001	STATE REVENUE SHARING	1,351,951	1,410,988	1,410,988	1,646,926
101-000.000-539.002	SPIRIT TAX DISTRIBUTION	186,071	215,947	215,947	223,749
101-000.000-569.000	OTHER STATE GRANTS	298,305			
101-000.000-573.000	LOCAL COMMUNITY STABILIZATION SHARE	428,966	410,000	410,000	440,000
101-000.000-655.501	BOND FORFEITURE	15,029	9,800	15,549	12,000
101-000.000-664.001	INVESTMENT INTEREST	49,561	250,000	150,000	75,000
101-000.000-664.003	INVESTMENT NET/CHANGE	5,513			
101-000.000-664.005	ARPA INVESTMENT INTEREST	459,897		263,000	
101-000.000-664.500	RENT	48,024		18,500	18,500
101-000.000-671.000	OTHER REVENUE	2,891	16,160	16,160	10,000
101-000.000-671.400	REIMBURSEMENTS	224,973	327,000	327,000	275,000
101-000.000-671.406	LOCAL RESTITUTION	8,963	9,128	9,128	9,036
101-000.000-691.096	SBITA PROCEEDS	56,179			
101-000.000-699.000	TRANSFERS IN	60			750,000
101-000.000-699.201	TRANSFER IN - ROAD DEPARTMENT	75,957	322,435	322,435	323,334
101-000.000-699.215	TRANSFER IN - FRIEND OF THE COURT FUND	118,159	179,180	179,180	178,197
101-000.000-699.221	TRANSFER IN - PUBLIC HEALTH FUND	571,207	296,281	296,281	164,848
101-000.000-699.225	TRANSFER IN - RESOURCE RECOVERY FUND	1,301	1,845	1,845	2,057
101-000.000-699.249	TRANSFER IN - BUILDING INSPECTOR FUND	32,045	50,250	50,250	43,330
101-000.000-699.256	TRANSFER IN - AUTOMATION FUND	20,000	7,822		
101-000.000-699.259	TRANSFER IN - COUNTY SPECIAL PROJECTS		3,473	3,473	3,462
101-000.000-699.260	TRANSFER IN - PUBLIC DEFENDER	38,207	76,412	76,412	70,693
101-000.000-699.261	TRANSFER IN - CENTRAL DISPATCH FUND	64,736	125,365	125,365	143,976
101-000.000-699.263	TRANSFER IN - CONCEALED PISTOL FUND	1,407	5,523	5,523	4,005
101-000.000-699.264	TRANSFER IN - CORRECTIONS TRAINING	391	1,784	1,784	850
101-000.000-699.266	TRANSFER IN - SOBRIETY COURT	14,879		37,173	28,581
101-000.000-699.273	TRANSFER IN - AGING FUND	253,493	208,649	208,649	202,542
101-000.000-699.292	TRANSFER IN - CHILD CARE FUND	15,004	12,752	12,752	10,290
101-000.000-699.581	TRANSFER IN - AIRPORT FUND	22,928		7,941	7,941
	TOTAL ESTIMATED REVENUES	18,579,825	18,169,228	18,393,769	14,885,417

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	APPROPRIATIONS				
101-000.000-995.273	TRANSFER TO COMMISSION ON AGING FUND		68,649	68,649	64,377
101-000.000-999.102	TRANSFER TO GENERAL FUND DESIGNATED		2,425,000	2,425,000	
101-000.000-999.215	TRANSFER TO FRIEND OF THE COURT FUND	225,277	130,000	265,453	242,116
101-000.000-999.221	TRANSFER TO PUBLIC HEALTH FUND	459,000	163,000	163,000	224,845
101-000.000-999.258	TRANSFERS TO DISASTER RECOVERY	7,960	10,000		
101-000.000-999.260	TRANSFER TO PUBLIC DEFENDER FUND	96,140			
101-000.000-999.276	TRANSFER TO OCYS BASIC GRANT FUND	2,079			
101-000.000-999.292	TRANSFER TO CHILD CARE FUND	219,117	198,000	198,000	161,243
101-000.000-999.296	TRANSFER TO COURT SECURITY FUND	334,403	160,000	50,000	
101-000.000-999.581	TRANSFER TO AIRPORT FUND	159,007	25,000	25,000	
101-000.000-999.722	TRANSFER TO GREENVIEW POINT PARK	3,445	5,000		
101-000.000-999.802	TRANSFER TO DRAIN FUND	2,950	3,000		
	TOTAL APPROPRIATIONS	1,509,378	3,187,649	3,195,102	692,581
	Dept 101.000 - BOARD OF COMMISSIONERS				
	APPROPRIATIONS				
101-101.000-701.070	WAGES - ELECTED OFFICIALS	31,366	51,750	51,750	62,535
101-101.000-701.200	WAGES - PER DIEM	15,650	17,000	17,000	16,800
101-101.000-715.001	BENEFITS - FICA	2,983	3,959	6,151	6,100
101-101.000-715.100	BENEFITS - HEALTH INSURANCE	34,464	74,840	70,000	63,700
101-101.000-715.270	BENEFITS - HSA EMPLOYER		300	3,600	3,600
101-101.000-715.275	BENEFITS - LIFE INSURANCE	75	152	452	475
101-101.000-715.500	BENEFITS - WORKERS COMP	127	246	246	225
101-101.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	(63)			
101-101.000-726.001	SUPPLIES - OFFICE	555	200	200	200
101-101.000-726.002	SUPPLIES - STATIONARY & FORMS		50	50	50
101-101.000-726.005	SUPPLIES - EQUIPMENT	1,432			
101-101.000-850.001	OPERATING - POSTAGE	22	300	300	100
101-101.000-850.002	OPERATING - ADVERTISING	459	500	500	500
101-101.000-850.153	OPERATING - TRAINING	295	500	500	500
101-101.000-850.910	OPERATING - TRAVEL	7,457	5,300	5,300	5,300
	TOTAL APPROPRIATIONS	94,822	155,097	156,049	160,085

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 131.000 - CIRCUIT COURT					
	ESTIMATED REVENUES				
101-131.000-539.102	JUDICIAL SALARY REIMBURSEMENT	80,017	91,448	91,448	91,448
101-131.000-600.100	COURT COSTS	81,410	89,200	89,200	86,000
101-131.000-600.200	DRUG COURT FEES	39,535	35,000	35,000	35,000
101-131.000-671.401	CIRCUIT COURT REIMBURSEMENT, MONTCALM	284,366	150,000	150,000	150,000
101-131.000-686.131	RESTITUTION COLLECTED CIRCUIT COURT	54,379	111,135	111,135	90,000
	TOTAL ESTIMATED REVENUES	539,707	476,783	476,783	452,448
	APPROPRIATIONS				
101-131.000-701.020	WAGES - CLASSIFIED, SUPPORT	140,844	158,540	151,000	157,750
101-131.000-701.071	WAGES - JUDICIAL SUPPLEMENT	91,448	91,448	91,448	93,500
101-131.000-701.097	WAGES - PAID TIME OUT	4,158			2,000
101-131.000-715.001	BENEFITS - FICA	10,393	12,130	12,130	19,350
101-131.000-715.100	BENEFITS - HEALTH INSURANCE	96,542	107,137	100,000	93,400
101-131.000-715.270	BENEFITS - HSA EMPLOYER	100	500	5,500	4,800
101-131.000-715.275	BENEFITS - LIFE INSURANCE	111	117	2,567	2,800
101-131.000-715.500	BENEFITS - WORKERS COMP	1,607	1,600	1,600	800
101-131.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	7,356	10,354	10,354	10,500
101-131.000-726.001	SUPPLIES - OFFICE	810	500	1,088	1,000
101-131.000-726.002	SUPPLIES - STATIONARY & FORMS	115	500	500	500
101-131.000-801.050	SERVICES - CONSULTANTS	1,818	1,300	1,405	2,000
101-131.000-801.612	SERVICES - COURT ORDERED TESTING	160			
101-131.000-850.001	OPERATING - POSTAGE	948	1,600	1,600	1,200
101-131.000-850.301	OPERATING - TELEPHONE	1,276	1,200	1,200	1,200
101-131.000-850.910	OPERATING - TRAVEL	17,739	12,500	12,500	13,000
101-131.000-961.131	RESTITUTION DISBURSED- CIRCUIT COURT	88,206	90,000	90,000	90,000
	TOTAL APPROPRIATIONS	463,631	489,426	482,892	493,800

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 131.001 - CIRCUIT COURT - ATTORNEY/JURY/WITNESS					
ESTIMATED REVENUES					
101-131.001-539.111	JUROR PAY REIMBURSEMENT	10,802	14,500	14,500	13,450
101-131.001-671.402	ATTORNEY FEE REIMBURSEMENT	29,753	54,000	54,000	47,500
	TOTAL ESTIMATED REVENUES	40,555	68,500	68,500	60,950
APPROPRIATIONS					
101-131.001-801.502	SERVICES - APPOINTED ATTORNEY	47,121	22,000	22,000	25,000
101-131.001-801.509	SERVICES - JUROR PAY	32,029	30,000	30,000	30,000
101-131.001-801.510	SERVICES - WITNESS FEES	1,330	8,000	8,000	7,000
	TOTAL APPROPRIATIONS	80,480	60,000	60,000	62,000
Dept 131.002 - CIRCUIT COURT PROBATION					
APPROPRIATIONS					
101-131.002-726.001	SUPPLIES - OFFICE	1,644	1,800	1,500	2,500
101-131.002-801.001	SERVICES - OFFICE EQUIPMENT	447	400	700	700
101-131.002-801.100	SERVICES - CONTRACTUAL	101			
101-131.002-801.612	SERVICES - COURT ORDERED TESTING	405	200	200	200
101-131.002-850.001	OPERATING - POSTAGE	68	100	100	100
	TOTAL APPROPRIATIONS	2,665	2,500	2,500	3,500
Dept 131.003 - CIRCUIT COURT RECORDER					
APPROPRIATIONS					
101-131.003-701.020	WAGES - CLASSIFIED, SUPPORT	92,416	92,631	92,631	99,600
101-131.003-701.097	WAGES - PAID TIME OUT	6,829	4,500	4,500	4,000
101-131.003-715.001	BENEFITS - FICA	7,266	7,086	7,086	7,950
101-131.003-715.100	BENEFITS - HEALTH INSURANCE	24,539	26,149	24,500	25,305
101-131.003-715.270	BENEFITS - HSA EMPLOYER		100	1,200	1,200
101-131.003-715.275	BENEFITS - LIFE INSURANCE	48	47	947	1,075
101-131.003-715.500	BENEFITS - WORKERS COMP	258	242	242	300
101-131.003-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	5,128	4,632	4,632	5,000
101-131.003-726.001	SUPPLIES - OFFICE	32	100	100	100
101-131.003-801.508	SERVICES - TRANSCRIPTIONS	7,567	11,500	11,500	12,500
101-131.003-850.001	OPERATING - POSTAGE		200	200	200
	TOTAL APPROPRIATIONS	144,083	147,187	147,538	157,230

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 136.000 - DISTRICT COURT					
	ESTIMATED REVENUES				
101-136.000-539.102	JUDICIAL SALARY REIMBURSEMENT	45,724	45,724	45,724	45,724
101-136.000-539.115	DISTRICT COURT WAGE REIMBURSEMENT	342			
101-136.000-600.100	COURT COSTS	312,434	285,000	285,000	300,000
101-136.000-600.101	PROBATION OVERSIGHT FEE	3,985	5,000	5,000	5,000
101-136.000-600.201	BOND FEE	1,445	275	775	600
101-136.000-600.203	ALCOHOL ASSESSMENT	11,835	7,500	7,500	7,200
101-136.000-600.204	CIVIL FEE	123,645	132,500	132,500	130,000
101-136.000-655.101	ORDINANCE FINES	59,739	50,000	50,000	50,000
	TOTAL ESTIMATED REVENUES	559,149	525,999	526,499	538,524
	APPROPRIATIONS				
101-136.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	213,215	248,732	185,000	190,750
101-136.000-701.020	WAGES - CLASSIFIED, SUPPORT	174,113	157,168	220,000	226,500
101-136.000-701.050	WAGES - UNION, DISTRICT COURT	303,534	299,825	335,000	358,000
101-136.000-701.071	WAGES - JUDICIAL SUPPLEMENT	45,849	45,724	45,724	46,750
101-136.000-701.097	WAGES - PAID TIME OUT	10,793		10,000	12,000
101-136.000-715.001	BENEFITS - FICA	49,821	53,988	53,988	64,000
101-136.000-715.100	BENEFITS - HEALTH INSURANCE	223,498	244,355	244,355	255,650
101-136.000-715.200	BENEFITS - DENTAL, GENERAL	1,163	1,440	1,440	1,600
101-136.000-715.270	BENEFITS - HSA EMPLOYER	190	1,400	15,000	15,000
101-136.000-715.275	BENEFITS - LIFE INSURANCE	1,308	1,397	8,250	8,750
101-136.000-715.500	BENEFITS - WORKERS COMP	3,300	3,664	3,664	7,800
101-136.000-715.600	BENEFITS - UNEMPLOYMMENT COMPENSATION	1,086			
101-136.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	49,078	61,613	61,613	60,000
101-136.000-726.001	SUPPLIES - OFFICE	5,845	8,250	7,750	8,250
101-136.000-726.002	SUPPLIES - STATIONARY & FORMS	1,335	900	900	900
101-136.000-726.500	SUPPLIES - LAW BOOKS	611	600	600	600
101-136.000-801.508	SERVICES - TRANSCRIPTIONS	2,323	3,200	3,200	3,200
101-136.000-850.001	OPERATING - POSTAGE	15,153	9,000	9,000	9,000
101-136.000-850.301	OPERATING - TELEPHONE	1,158	1,000	1,000	1,000
101-136.000-850.910	OPERATING - TRAVEL	920	1,400	1,400	1,600
101-136.000-955.015	OTHER - GARNISHMENT FEE	1,409	2,250	2,250	2,250
	TOTAL APPROPRIATIONS	1,105,702	1,145,906	1,210,134	1,273,600

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 136.001 - DISTRICT COURT - ATTORNEY/JURY/WITNESS					
ESTIMATED REVENUES					
101-136.001-539.111	JUROR PAY REIMBURSEMENT	1,324	1,000	3,000	1,000
	TOTAL ESTIMATED REVENUES	1,324	1,000	3,000	1,000
APPROPRIATIONS					
101-136.001-801.509	SERVICES - JUROR PAY	5,349	5,600	7,000	7,000
101-136.001-801.510	SERVICES - WITNESS FEES	1,219	1,000	1,000	1,000
	TOTAL APPROPRIATIONS	6,568	6,600	8,000	8,000
Dept 136.010 - DISTRICT COURT - SOBRIETY COURT					
APPROPRIATIONS					
101-136.010-726.000	SUPPLIES		450	450	450
	TOTAL APPROPRIATIONS		450	450	450
Dept 137.000 - COURTS - GENERAL					
ESTIMATED REVENUES					
101-137.000-539.101	COURT EQUITY FUND	236,048	236,600	236,600	236,200
101-137.000-600.105	COURT FEES - DOMESTIC RELATIONS	6,842	5,800	5,800	5,800
	TOTAL ESTIMATED REVENUES	242,890	242,400	242,400	242,000
Dept 137.001 - COURTS - ATTORNEY/JURY/WITNESS					
APPROPRIATIONS					
101-137.001-801.510	SERVICES - WITNESS FEES	23,869	17,000	17,000	17,000
101-137.001-801.517	SERVICES - WITNESS FEES, DHS	848	1,300	1,300	1,300
101-137.001-801.611	SERVICES - COURT ORDERED HIV TESTING		400	400	400
	TOTAL APPROPRIATIONS	24,717	18,700	18,700	18,700
Dept 138.000 - COURTS - PUBLIC DEFENDER					
APPROPRIATIONS					
101-138.000-999.260	TRANSFER TO PUBLIC DEFENDER FUND	225,190	225,190	225,190	225,190
	TOTAL APPROPRIATIONS	225,190	225,190	225,190	225,190
Dept 146.000 - JURY COMMISSION					
APPROPRIATIONS					
101-146.000-726.001	SUPPLIES - OFFICE	1,287	1,300	1,700	1,700
101-146.000-850.001	OPERATING - POSTAGE	5	1,800	2,200	2,400
101-146.000-955.016	OTHER - PER DIEM BOARD	450	1,250	450	550
	TOTAL APPROPRIATIONS	1,742	4,350	4,350	4,650

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 148.000 - PROBATE COURT					
	ESTIMATED REVENUES				
101-148.000-539.102	JUDICIAL SALARY REIMBURSEMENT	181,880	174,400	174,400	180,740
101-148.000-600.001	COURT COSTS & RELATED CHARGES	1,133	500	560	500
101-148.000-600.200	FEES	5,563	5,300	5,300	5,400
101-148.000-686.148	RESTITUTION COLLECTED JUVENILE COURT	19,454	11,700	11,700	12,000
	TOTAL ESTIMATED REVENUES	208,030	191,900	191,960	198,640
	APPROPRIATIONS				
101-148.000-701.020	WAGES - CLASSIFIED, SUPPORT	136,519	139,364	139,364	147,250
101-148.000-701.071	WAGES - JUDICIAL SUPPLEMENT	176,491	168,759	168,759	213,900
101-148.000-715.001	BENEFITS - FICA	22,391	23,041	23,041	25,550
101-148.000-715.100	BENEFITS - HEALTH INSURANCE	27,005	28,854	28,854	27,925
101-148.000-715.270	BENEFITS - HSA EMPLOYER	100	200	1,800	1,800
101-148.000-715.275	BENEFITS - LIFE INSURANCE	93	94	2,494	2,700
101-148.000-715.500	BENEFITS - WORKERS COMP	2,744	2,537	2,537	1,000
101-148.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	7,294	9,053	9,053	9,800
101-148.000-726.001	SUPPLIES - OFFICE	2,974	3,500	3,500	3,500
101-148.000-726.500	SUPPLIES - LAW BOOKS	1,412	1,650	1,650	1,650
101-148.000-801.100	SERVICES - CONTRACTUAL		300		
101-148.000-801.508	SERVICES - TRANSCRIPTIONS	2,081	3,500	3,500	3,500
101-148.000-850.001	OPERATING - POSTAGE	4,711	2,100	2,100	2,500
101-148.000-850.370	OPERATING - WIRELESS	560	600	600	600
101-148.000-850.910	OPERATING - TRAVEL	579	550	550	600
101-148.000-961.148	RESTITUTIN DISBURSED-JUVENILE COURT	19,327	15,000	15,000	12,000
	TOTAL APPROPRIATIONS	404,281	399,102	402,802	454,275

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 148.001 - PROBATE COURT - ATTORNEY/JURY WITNESS					
ESTIMATED REVENUES					
101-148.001-671.402	ATTORNEY FEE REIMBURSEMENT	50	50	50	50
	TOTAL ESTIMATED REVENUES	50	50	50	50
APPROPRIATIONS					
101-148.001-801.502	SERVICES - APPOINTED ATTORNEY	29,410	25,000	25,000	25,000
	TOTAL APPROPRIATIONS	29,410	25,000	25,000	25,000
Dept 148.002 - FAMILY COURT - ATTORNEY/JURY WITNESS					
APPROPRIATIONS					
101-148.002-801.502	SERVICES - APPOINTED ATTORNEY	84,814	98,000	98,000	90,000
101-148.002-801.519	SERVICES - EVALUATIONS				8,000
	TOTAL APPROPRIATIONS	84,814	98,000	98,000	98,000
Dept 148.003 - PROBATE COURT - GUARDIANSHIP					
APPROPRIATIONS					
101-148.003-801.505	SERVICES - GUARDIANSHIP	30,100	28,500	28,500	30,000
	TOTAL APPROPRIATIONS	30,100	28,500	28,500	30,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 149.000 - JUVENILE COURT					
ESTIMATED REVENUES					
101-149.000-539.103	JUVENILE OFFICER REIMBURSEMENT	20,488	56,000	56,000	27,317
101-149.000-600.100	COURT COSTS	2,050	2,400	2,400	2,000
101-149.000-600.200	FEES	2,369	1,400	3,000	1,450
	TOTAL ESTIMATED REVENUES	24,907	59,800	61,400	30,767
APPROPRIATIONS					
101-149.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	81,544	81,600	81,600	74,500
101-149.000-701.020	WAGES - CLASSIFIED, SUPPORT	217,850	297,413	266,615	72,100
101-149.000-701.097	WAGES - PAID TIME OUT	7,412			7,000
101-149.000-715.001	BENEFITS - FICA	22,947	28,833	28,833	11,000
101-149.000-715.100	BENEFITS - HEALTH INSURANCE	33,733	65,168	65,168	6,550
101-149.000-715.270	BENEFITS - HSA EMPLOYER		385	2,850	450
101-149.000-715.275	BENEFITS - LIFE INSURANCE	134	162	3,377	1,537
101-149.000-715.500	BENEFITS - WORKERS COMP	2,250	3,101	3,101	375
101-149.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	20,243	28,894	28,894	8,800
101-149.000-726.001	SUPPLIES - OFFICE	16,049	1,570	1,570	1,570
101-149.000-801.100	SERVICES - CONTRACTUAL	180	1,650	1,650	1,650
101-149.000-850.001	OPERATING - POSTAGE	2,279	1,500	1,500	1,500
101-149.000-850.153	OPERATING - TRAINING	72	500	500	1,000
101-149.000-850.199	OPERATING - MEMBERSHIPS	300	400	645	645
101-149.000-850.910	OPERATING - TRAVEL	688	7,000	7,000	7,000
	TOTAL APPROPRIATIONS	405,681	518,176	493,303	195,677
Dept 149.002 - JUVENILE COURT - RAISE THE AGE					
APPROPRIATIONS					
101-149.002-701.010	WAGES - CLASSIFIED, MANAGEMENT	4,292	4,260	4,260	
101-149.002-701.020	WAGES - CLASSIFIED, SUPPORT	13,404	13,250	13,250	
101-149.002-715.001	BENEFITS - FICA	1,331	1,311	1,311	
101-149.002-715.100	BENEFITS - HEALTH INSURANCE	2,046	2,209	2,209	
101-149.002-715.270	BENEFITS - HSA EMPLOYER		15	150	
101-149.002-715.275	BENEFITS - LIFE INSURANCE	7	7	172	
101-149.002-715.500	BENEFITS - WORKERS COMP	145	139	139	
101-149.002-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	1,181	1,386	1,386	
	TOTAL APPROPRIATIONS	22,406	22,577	22,877	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 172.000 - ADMINISTRATION					
APPROPRIATIONS					
101-172.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	120,725	120,000	120,000	133,710
101-172.000-701.020	WAGES - CLASSIFIED, SUPPORT	54,070	57,680	57,680	125,580
101-172.000-701.080	WAGES - OVERTIME	447		286	1,000
101-172.000-701.097	WAGES - PAID TIME OUT	3,424		3,450	5,600
101-172.000-715.001	BENEFITS - FICA	12,592	13,765	13,765	20,650
101-172.000-715.100	BENEFITS - HEALTH INSURANCE	48,467	52,297	52,297	69,802
101-172.000-715.270	BENEFITS - HSA EMPLOYER	10	1,100	2,400	3,600
101-172.000-715.275	BENEFITS - LIFE INSURANCE	47	47	1,547	2,500
101-172.000-715.500	BENEFITS - WORKERS COMP	1,440	1,351	1,851	730
101-172.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	8,618	9,010	9,010	13,000
101-172.000-726.001	SUPPLIES - OFFICE	7,568	7,300	6,799	7,000
101-172.000-801.151	SERVICES - LABOR RELATIONS	4,188	60,000	2,750	11,000
101-172.000-801.154	ADMINISTRATION LAWYER SERVICES	14,904		15,000	15,000
101-172.000-801.155	SHERIFF LAWYER SERVICES	13,095		15,000	15,000
101-172.000-801.156	ROAD DEPARTMENT LAWYER SERVICES	15,201		8,000	5,000
101-172.000-801.157	DISTRICT COURT LAWYER SERVICES	76		500	5,000
101-172.000-801.158	HEALTH DEPARTMENT LAWYER SERVICES	8,503		7,000	2,000
101-172.000-801.159	CENTRAL DISPATCH LAWYER SERVICES	4,340		5,000	2,000
101-172.000-801.162	COA LAWYER SERVICES	1,702		2,750	3,000
101-172.000-801.164	CLERK LAWYER SERVICES	2,858		500	500
101-172.000-801.165	BERTHA BROCK PARK LAWYER SERVICES	454		500	500
101-172.000-801.166	ANIMAL SHELTER LAWYER SERVICES	57		500	500
101-172.000-801.167	INDIGENT DEFENSE FUND LAWYER SERVICES	456		500	500
101-172.000-801.168	AIRPORT LAWYER SERVICES	1,197		1,000	1,000
101-172.000-801.169	JAIL LAWYER SERVICES			1,000	1,000
101-172.000-850.001	OPERATING - POSTAGE	329	600	600	1,000
101-172.000-850.153	OPERATING - TRAINING	2,990	2,000	2,000	2,000
101-172.000-850.180	OPERATING - SUBSCRIPTIONS	932	1,200	1,200	1,200
101-172.000-850.199	OPERATING - MEMBERSHIPS	9,911	10,000	10,215	10,854
101-172.000-850.301	OPERATING - TELEPHONE	3,053	3,500	3,500	3,500
101-172.000-850.910	OPERATING - TRAVEL	655	500	500	500
	TOTAL APPROPRIATIONS	342,309	340,350	347,100	464,226

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 191.000 - FINANCE					
APPROPRIATIONS					
101-191.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	31,882		125,000	77,900
101-191.000-701.020	WAGES - CLASSIFIED, SUPPORT	197,842	262,408	137,408	89,000
101-191.000-701.080	WAGES - OVERTIME	577		1,000	1,000
101-191.000-701.097	WAGES - PAID TIME OUT	1,789		13,327	1,500
101-191.000-715.001	BENEFITS - FICA	16,585	19,309	19,309	13,000
101-191.000-715.100	BENEFITS - HEALTH INSURANCE	39,692	29,000	37,100	20,000
101-191.000-715.270	BENEFITS - HSA EMPLOYER	100	300	3,111	1,260
101-191.000-715.275	BENEFITS - LIFE INSURANCE	85	94	2,674	1,800
101-191.000-715.500	BENEFITS - WORKERS COMP	637	1,053	1,053	500
101-191.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	9,479	10,110	11,110	6,000
101-191.000-726.001	SUPPLIES - OFFICE	1,851	2,000	1,000	2,000
101-191.000-801.050	SERVICES - CONSULTANTS	134,494	66,500	39,651	20,000
101-191.000-801.053	SERVICES - AUDITOR	51,600	57,500	54,500	57,000
101-191.000-850.001	OPERATING - POSTAGE	659	400	400	400
101-191.000-850.153	OPERATING - TRAINING	560	500	3,750	3,505
101-191.000-850.990	OPERATING - MISCELLANEOUS	498			
101-191.000-955.000	OTHER EXPENSES	24,935	325	11,000	1,000
101-191.000-955.010	OTHER - BANK FEES		1,000		
TOTAL APPROPRIATIONS		513,265	450,499	461,393	295,865

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 192.000 - HUMAN RESOURCES					
APPROPRIATIONS					
101-192.000-801.050	SERVICES - CONSULTANTS	7,000			
101-192.000-801.153	SERVICES - PRE-EMPLOYMENT			12,000	12,000
101-192.000-850.820	GARAGE LICENSE AGREEMENT	4,562	4,500	4,785	4,785
	TOTAL APPROPRIATIONS	11,562	4,500	16,785	16,785
Dept 208.000 - AMERICAN RESCUE PLAN					
APPROPRIATIONS					
101-208.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	59,937			
101-208.000-701.020	WAGES - CLASSIFIED, MANAGEMENT	147,062			
101-208.000-701.051	WAGES - UNION, DEPUTIES	250			
101-208.000-701.052	WAGES - UNION, JAIL OFFICERS & CLERKS	459,288			
101-208.000-701.055	WAGES - UNION, CORRECTIONS COMMAND	102,098			
101-208.000-701.070	WAGES - ELECTED OFFICIALS	93,087			
101-208.000-701.080	WAGES - OVERTIME	82,560			
101-208.000-701.200	WAGES - PER DIEM	8,006			
101-208.000-715.001	BENEFITS - FICA	76,474			
101-208.000-715.100	BENEFITS - HEALTH INSURANCE	323,784			
101-208.000-715.270	BENEFITS - HSA EMPLOYER	1,100			
101-208.000-715.275	BENEFITS - LIFE INSURANCE	1,793			
101-208.000-715.500	BENEFITS - WORKERS COMP	25,451			
101-208.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	11,296			
101-208.000-715.820	BENEFITS - MERS, JAIL OFFICERS & CLERKS	59,447			
101-208.000-715.822	BENEFITS - MERS, DEPUTIES	21			
101-208.000-715.825	BENEFITS - MERS, ADMINISTRATION	8,175			
101-208.000-726.802	SUPPLIES - GENERAL MAINTENANCE	61,517			
101-208.000-801.261	SERVICES - ARCHITECTURAL	20,280			
101-208.000-801.812	SERVICES - FACILITY IMPROVEMENTS	500,541	1,560,493	1,560,493	
101-208.000-802.261	SERVICES - CONSTRUCTION	108,760			
101-208.000-803.261	SERVICES - EQUIPMENT	113,335	324,500	324,500	
101-208.000-803.262	EQUIPMENT DISPATCH	860,619			
101-208.000-970.401	CAPITAL - NETWORK HARDWARE	64,780			
101-208.000-970.502	EQUIPMENT - CD TOWER/CONSOLE	262,291			
101-208.000-970.505	COUNTY FACILITY UPGRADES	49,558			
101-208.000-991.096	PRINCIPAL LEASE 96	4,000			
101-208.000-999.201	TRANSFER TO ROAD COMMISSION FUND	1,035,000			
	TOTAL APPROPRIATIONS	4,540,510	1,884,993	1,884,993	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 215.000 - CLERK					
ESTIMATED REVENUES					
101-215.000-600.200	FEES	66,302	68,000	68,000	68,000
TOTAL ESTIMATED REVENUES		66,302	68,000	68,000	68,000
APPROPRIATIONS					
101-215.000-701.020	WAGES - CLASSIFIED, SUPPORT	90,675	191,125	191,125	206,500
101-215.000-701.070	WAGES - ELECTED OFFICIALS	37,631	71,069	71,069	72,500
101-215.000-701.080	WAGES - OVERTIME	49			
101-215.000-701.097	WAGES - PAID TIME OUT	375			1,000
101-215.000-715.001	BENEFITS - FICA	8,454	19,905	19,905	21,500
101-215.000-715.100	BENEFITS - HEALTH INSURANCE	43,318	87,463	119,359	129,200
101-215.000-715.270	BENEFITS - HSA EMPLOYER	100	300	7,800	6,600
101-215.000-715.275	BENEFITS - LIFE INSURANCE	43	94	2,442	2,275
101-215.000-715.500	BENEFITS - WORKERS COMP	337	640	780	785
101-215.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	3,963	10,053	10,053	14,500
101-215.000-726.001	SUPPLIES - OFFICE	6,145	6,600	6,600	6,600
101-215.000-850.001	OPERATING - POSTAGE	7,201	3,350	3,350	3,350
101-215.000-850.301	OPERATING - TELEPHONE				1,086
101-215.000-850.910	OPERATING - TRAVEL	240	500	500	500
	TOTAL APPROPRIATIONS	198,531	391,099	432,983	466,396

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 228.000 - INFORMATION TECHNOLOGY					
	ESTIMATED REVENUES				
101-228.000-671.400	REIMBURSEMENTS	13,961	20,000	20,000	13,000
101-228.000-699.256	TRANSFER IN - AUTOMATION FUND		20,000		
101-228.000-699.261	TRANSFER IN - CENTRAL DISPATCH FUND	42,000	42,000	42,000	42,000
	TOTAL ESTIMATED REVENUES	55,961	82,000	62,000	55,000
	APPROPRIATIONS				
101-228.000-726.001	SUPPLIES - OFFICE	40	550	550	500
101-228.000-726.005	SUPPLIES - EQUIPMENT	14,910	12,000	12,000	10,000
101-228.000-726.430	SUPPLIES - SOFTWARE	17,890			
101-228.000-726.470	SUPPLIES - HARDWARE	191,026			50,000
101-228.000-801.050	SERVICES - CONSULTANTS	540,497	600,000	600,000	600,000
101-228.000-801.430	SERVICES - SOFTWARE SUPPORT	371,903	438,570	438,570	438,000
101-228.000-801.470	SERVICES - HARDWARE SUPPORT	11,805	12,300	12,300	18,000
101-228.000-850.301	OPERATING - TELEPHONE	7,799	6,000	6,000	4,000
101-228.000-991.096	PRINCIPAL LEASE 96	14,500			
	TOTAL APPROPRIATIONS	1,170,370	1,069,420	1,069,420	1,120,500

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 228.100 - GEOGRAPHIC INFORMATION SYSTEMS					
APPROPRIATIONS					
101-228.100-726.001	SUPPLIES - OFFICE	120	100	100	100
101-228.100-801.402	SERVICES - GENERAL INFORMATION SYSTEMS		30,000	30,000	30,000
101-228.100-801.430	SERVICES - SOFTWARE SUPPORT	2,820	600	600	600
101-228.100-850.001	OPERATING - POSTAGE		50	50	
	TOTAL APPROPRIATIONS	2,940	30,750	30,750	30,700

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 253.000 - TREASURER					
ESTIMATED REVENUES					
101-253.000-600.200	FEES	35,967	28,000	28,000	20,000
101-253.000-671.400	REIMBURSEMENTS	19,858	12,000	12,000	12,000
	TOTAL ESTIMATED REVENUES	55,825	40,000	40,000	32,000
APPROPRIATIONS					
101-253.000-701.020	WAGES - CLASSIFIED, SUPPORT	90,841	142,097	142,097	145,000
101-253.000-701.070	WAGES - ELECTED OFFICIALS	69,788	71,069	71,069	72,500
101-253.000-701.097	WAGES - PAID TIME OUT	1,473			1,500
101-253.000-715.001	BENEFITS - FICA	11,086	16,201	16,201	16,800
101-253.000-715.100	BENEFITS - HEALTH INSURANCE	51,762	70,331	59,000	61,950
101-253.000-715.270	BENEFITS - HSA EMPLOYER		400	3,600	3,600
101-253.000-715.275	BENEFITS - LIFE INSURANCE	67	94	2,118	2,400
101-253.000-715.500	BENEFITS - WORKERS COMP	460	501	501	610
101-253.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	15,153	23,736	23,736	19,000
101-253.000-726.001	SUPPLIES - OFFICE	1,024	1,200	1,200	1,200
101-253.000-726.002	SUPPLIES - STATIONARY & FORMS	1,011	1,500	1,500	1,500
101-253.000-726.006	SUPPLIES - TAX & ASSESSMENT NOTICES	5,857	8,800	8,800	8,800
101-253.000-850.001	OPERATING - POSTAGE	11,263	8,700	8,700	8,700
101-253.000-850.910	OPERATING - TRAVEL	633	900	900	900
	TOTAL APPROPRIATIONS	260,418	345,529	339,422	344,460

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 257.000 - EQUALIZATION					
ESTIMATED REVENUES					
101-257.000-600.200	FEES	14,044	14,000	17,100	10,000
TOTAL ESTIMATED REVENUES		14,044	14,000	17,100	10,000
APPROPRIATIONS					
101-257.000-701.020	WAGES - CLASSIFIED, SUPPORT	44,158	46,702	46,702	54,780
101-257.000-715.001	BENEFITS - FICA	2,925	3,573	3,573	4,200
101-257.000-715.100	BENEFITS - HEALTH INSURANCE	24,217	26,149	26,149	25,303
101-257.000-715.270	BENEFITS - HSA EMPLOYER		100	1,200	1,200
101-257.000-715.275	BENEFITS - LIFE INSURANCE	23	23	461	531
101-257.000-715.500	BENEFITS - WORKERS COMP	127	139	139	160
101-257.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,203	2,335	2,335	2,800
101-257.000-726.001	SUPPLIES - OFFICE	917	400	400	400
101-257.000-726.006	SUPPLIES - TAX & ASSESSMENT NOTICES	11,626	13,500	13,500	13,500
101-257.000-801.100	SERVICES - CONTRACTUAL	114,934	118,000	118,000	121,000
101-257.000-850.001	OPERATING - POSTAGE	86	150	650	700
101-257.000-850.002	OPERATING - ADVERTISING	124	350	350	350
101-257.000-850.199	OPERATING - MEMBERSHIPS	1,138	300	300	500
101-257.000-850.910	OPERATING - TRAVEL	613	1,000	1,250	1,500
TOTAL APPROPRIATIONS		203,091	212,721	215,009	226,924

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 261.000 - MSU EXTENSION					
ESTIMATED REVENUES					
101-261.000-671.400	REIMBURSEMENTS			290	
TOTAL ESTIMATED REVENUES				290	
APPROPRIATIONS					
101-261.000-801.050	SERVICES - CONSULTANTS	130,086	133,988	133,988	136,668
101-261.000-850.001	OPERATING - POSTAGE		400		
101-261.000-850.301	OPERATING - TELEPHONE			576	
101-261.000-850.800	OPERATING - UTILITIES			1,000	3,000
101-261.000-850.910	OPERATING - TRAVEL		50		
TOTAL APPROPRIATIONS		130,086	134,438	135,564	139,668

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 262.000 - ELECTIONS					
APPROPRIATIONS					
101-262.000-701.080	WAGES - OVERTIME			4,000	
101-262.000-701.200	WAGES - PER DIEM				5,000
101-262.000-726.001	SUPPLIES - OFFICE	58,954	155,000	151,000	45,000
101-262.000-850.820	OPERATING - RENT/LEASE	3,000			
101-262.000-850.910	OPERATING - TRAVEL			500	500
TOTAL APPROPRIATIONS		61,954	155,000	155,500	50,500
Dept 262.001 - ELECTIONS - REIMBURSABLE					
ESTIMATED REVENUES					
101-262.001-600.200	FEES	980			
101-262.001-671.400	REIMBURSEMENTS	24,658	102,000	102,000	
TOTAL ESTIMATED REVENUES		25,638	102,000	102,000	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 265.000 - BUILDINGS & GROUNDS					
	ESTIMATED REVENUES				
101-265.000-671.000	OTHER REVENUE			600	
	TOTAL ESTIMATED REVENUES			600	
	APPROPRIATIONS				
101-265.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	70,208	72,035	72,035	73,500
101-265.000-701.011	WAGES-CLASSIFIED-JANITORIAL	8,685		85,000	115,500
101-265.000-701.012	WAGES-JANITORIAL MANAGEMENT	5,508		40,000	50,000
101-265.000-701.020	WAGES - CLASSIFIED, SUPPORT	151,192	381,911	190,000	154,000
101-265.000-701.080	WAGES - OVERTIME	122		2,072	2,500
101-265.000-701.097	WAGES - PAID TIME OUT	7,225		402	2,700
101-265.000-715.001	BENEFITS - FICA	17,125	35,534	35,534	30,500
101-265.000-715.100	BENEFITS - HEALTH INSURANCE	54,032	155,003	145,000	161,500
101-265.000-715.270	BENEFITS - HSA EMPLOYER	200	300	8,400	9,000
101-265.000-715.275	BENEFITS - LIFE INSURANCE	70	70	3,790	4,311
101-265.000-715.500	BENEFITS - WORKERS COMP	8,314	19,112	19,112	15,500
101-265.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	7,782	21,338	21,338	22,000
101-265.000-726.001	SUPPLIES - OFFICE	12,701	12,500	12,500	12,500
101-265.000-726.005	SUPPLIES - EQUIPMENT	1,181	1,500	1,500	1,500
101-265.000-726.800	SUPPLIES - BUILDING MAINTENANCE	129,669	135,000	100,000	71,000
101-265.000-726.801	SUPPLIES - JANITORIAL	39,765	35,000	45,000	50,000
101-265.000-726.803	SUPPLIES - GROUNDS		250	400	400
101-265.000-726.804	SUPPLIES - JAIL MAINTENANCE	652	500	6,500	6,500
101-265.000-726.805	SUPPLIES-BM ADMIN BUILDING	7,340		1,000	1,000
101-265.000-726.806	SUPPLIES-BM AIRPORT			500	500
101-265.000-726.807	SUPPLIES-BM ANIMAL SHELTER			20,500	10,000
101-265.000-726.808	SUPPLIES-BM BUILDINGS AND GROUNDS			500	500
101-265.000-726.809	SUPPLIES-BM BERTHA BROCK PARK			2,500	1,000
101-265.000-726.810	SUPPLIES-BM CENTRAL DISPATCH			2,500	500
101-265.000-726.811	SUPPLIES-BM CLERKS OFFICE			500	500
101-265.000-726.812	SUPPLIES-BM COA			100	500
101-265.000-726.813	SUPPLIES-BM COURTHOUSE			10,000	10,000
101-265.000-726.814	SUPPLIES-BM HEALTH DEPARTMENT			500	500
101-265.000-726.816	SUPPLIES-BM MAINTENANCE GARAGE			750	750
101-265.000-726.817	SUPPLIES-BM MSU BUILDING			600	750
101-265.000-726.818	SUPPLIES-BM PUBLIC DEFENDERS OFFICE			250	250
101-265.000-726.820	SUPPLIES-BM DISTRICT COURT			500	500
101-265.000-726.900	SUPPLIES - VEHICLE	2,432	500	3,500	2,000
101-265.000-726.910	SUPPLIES - GASOLINE	5,456	4,000	8,000	7,000
101-265.000-801.100	SERVICES - CONTRACTUAL	15,347	500	20,500	30,500
101-265.000-801.801	SERVICES - JANITORIAL	199,932		1,500	2,000
101-265.000-801.810	SERVICES - TRASH REMOVAL	9,571	8,000	8,000	9,340
101-265.000-801.811	SERVICES - SNOW REMOVAL	28,828	20,000	20,000	20,000
101-265.000-850.001	OPERATING - POSTAGE	3,544	3,100	3,100	3,163
101-265.000-850.800	OPERATING - UTILITIES	239,227	260,000	260,000	260,000
101-265.000-850.810	OPERATING - UTILITIES, WATER & SEWER	51,108	42,000	42,000	45,000
101-265.000-999.522	TRANSFER TO LAND BANK AUTHORITY	3,950			
	TOTAL APPROPRIATIONS	1,081,166	1,208,153	1,195,883	1,189,164

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 267.000 - PROSECUTING ATTORNEY					
ESTIMATED REVENUES					
101-267.000-539.108	INMATE TRIAL/ATTORNEY REIMBURSEMENT	15,845	10,000	10,000	10,000
101-267.000-539.113	ABUSE/NEGLECT SERVICES	7,131	15,000	15,000	15,000
101-267.000-539.121	ATTORNEY REIMB LOCAL UNITS	4,925		425	100
101-267.000-600.214	DNA FEE	75	200	200	100
101-267.000-671.404	OUIL-OUID REIMBURSEMENT	13,031	12,000	12,000	12,000
	TOTAL ESTIMATED REVENUES	41,007	37,200	37,625	37,200
APPROPRIATIONS					
101-267.000-701.020	WAGES - CLASSIFIED, SUPPORT	409,745	485,268	427,268	429,600
101-267.000-701.070	WAGES - ELECTED OFFICIALS	84,601	63,883	127,766	134,000
101-267.000-701.097	WAGES - PAID TIME OUT	6,382			3,000
101-267.000-715.001	BENEFITS - FICA	37,060	46,735	46,735	43,450
101-267.000-715.100	BENEFITS - HEALTH INSURANCE	68,648	92,874	49,500	51,500
101-267.000-715.270	BENEFITS - HSA EMPLOYER	100	500	3,000	3,000
101-267.000-715.275	BENEFITS - LIFE INSURANCE	163	164	4,764	5,500
101-267.000-715.500	BENEFITS - WORKERS COMP	1,122	1,227	1,227	1,350
101-267.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	27,668	44,304	32,875	34,700
101-267.000-726.001	SUPPLIES - OFFICE	7,611	4,500	4,500	4,500
101-267.000-726.500	SUPPLIES - LAW BOOKS	1,865	2,200	2,200	2,200
101-267.000-801.050	SERVICES - CONSULTANTS	4,508	3,000	3,000	4,500
101-267.000-850.001	OPERATING - POSTAGE	1,982	700	700	700
101-267.000-850.153	OPERATING - TRAINING	390			
101-267.000-850.199	OPERATING - MEMBERSHIPS	6,302		6,609	6,610
101-267.000-850.301	OPERATING - TELEPHONE	992	1,100	1,100	1,100
101-267.000-850.910	OPERATING - TRAVEL	4,664	3,000	3,000	4,000
	TOTAL APPROPRIATIONS	663,803	749,455	714,244	729,710

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 267.001 - PROSECUTING ATTORNEY - CRIME VICTIMS					
	ESTIMATED REVENUES				
101-267.001-539.107	VICTIMS RIGHTS ACT	79,939	87,587	87,587	86,793
	TOTAL ESTIMATED REVENUES	79,939	87,587	87,587	86,793
	APPROPRIATIONS				
101-267.001-701.020	WAGES - CLASSIFIED, SUPPORT	56,410	54,308	54,308	58,650
101-267.001-715.001	BENEFITS - FICA	4,307	4,155	4,155	4,500
101-267.001-715.275	BENEFITS - LIFE INSURANCE	23	23	573	625
101-267.001-715.500	BENEFITS - WORKERS COMP	162	176	176	160
101-267.001-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	5,405	7,006	7,006	5,650
101-267.001-726.001	SUPPLIES - OFFICE	6,216	3,000	3,000	11,226
101-267.001-726.914	SUPPLIES - ANCILLARY VICTIM NEEDS	4,012	1,700	1,700	2,382
101-267.001-850.001	OPERATING - POSTAGE	248	700	700	1,300
101-267.001-850.301	OPERATING - TELEPHONE				800
101-267.001-850.910	OPERATING - TRAVEL	1,371	1,500	1,500	1,500
	TOTAL APPROPRIATIONS	78,154	72,568	73,118	86,793
Dept 267.002 - PROSECUTING ATTORNEY - FAMILY SUPPORT					
	ESTIMATED REVENUES				
101-267.002-539.104	COOPERATIVE REIMBURSEMENT PROGRAM	92,367	97,600	97,600	90,000
	TOTAL ESTIMATED REVENUES	92,367	97,600	97,600	90,000
	APPROPRIATIONS				
101-267.002-701.020	WAGES - CLASSIFIED, SUPPORT	47,763	52,339	52,339	58,100
101-267.002-701.070	WAGES - ELECTED OFFICIALS	45,348	63,883		
101-267.002-715.001	BENEFITS - FICA	6,876	7,931	7,931	4,500
101-267.002-715.100	BENEFITS - HEALTH INSURANCE	7,707	9,017	9,017	8,725
101-267.002-715.270	BENEFITS - HSA EMPLOYER		100	600	600
101-267.002-715.275	BENEFITS - LIFE INSURANCE	30	23	523	580
101-267.002-715.500	BENEFITS - WORKERS COMP	234	246	246	170
101-267.002-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	4,311	6,000	6,000	2,905
101-267.002-726.001	SUPPLIES - OFFICE	8,884	400	1,900	2,500
101-267.002-801.050	SERVICES - CONSULTANTS	6,907	6,000	6,000	6,000
101-267.002-850.001	OPERATING - POSTAGE	107	700	645	700
101-267.002-850.910	OPERATING - TRAVEL	1,513	1,500	1,500	1,500
	TOTAL APPROPRIATIONS	129,680	148,139	86,701	86,280

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 267.003 - COLLECTIONS ENFORCEMENT					
APPROPRIATIONS					
101-267.003-726.001	SUPPLIES - OFFICE	73	150	150	
	TOTAL APPROPRIATIONS	73	150	150	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 268.000 - REGISTER OF DEEDS					
	ESTIMATED REVENUES				
101-268.000-600.200	FEES	276,893	276,000	276,000	250,000
101-268.000-600.215	COUNTY TRANSFER TAX	309,358	205,000	205,000	200,000
	TOTAL ESTIMATED REVENUES	586,251	481,000	481,000	450,000
	APPROPRIATIONS				
101-268.000-701.020	WAGES - CLASSIFIED, SUPPORT	50,096	51,383	51,383	78,700
101-268.000-701.070	WAGES - ELECTED OFFICIALS	37,631	71,069	71,069	72,500
101-268.000-701.097	WAGES - PAID TIME OUT	3,876		10,875	3,000
101-268.000-715.001	BENEFITS - FICA	6,057	9,261	9,261	11,800
101-268.000-715.100	BENEFITS - HEALTH INSURANCE	21,290	45,986	45,986	50,605
101-268.000-715.270	BENEFITS - HSA EMPLOYER		200	2,400	2,400
101-268.000-715.275	BENEFITS - LIFE INSURANCE	37	47	1,580	1,700
101-268.000-715.500	BENEFITS - WORKERS COMP	243	665	665	450
101-268.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	7,320	15,617	15,617	11,400
101-268.000-726.001	SUPPLIES - OFFICE	2,400	4,300	4,300	5,500
101-268.000-726.002	SUPPLIES - STATIONARY & FORMS	303	600	600	600
101-268.000-850.001	OPERATING - POSTAGE	1,342	1,200	1,200	1,200
101-268.000-850.910	OPERATING - TRAVEL	3,010	1,550	1,550	2,500
	TOTAL APPROPRIATIONS	133,605	201,878	216,486	242,355

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 275.000 - DRAIN COMMISSIONER					
ESTIMATED REVENUES					
101-275.000-600.200	FEES		1,500	1,500	
TOTAL ESTIMATED REVENUES			1,500	1,500	
APPROPRIATIONS					
101-275.000-701.020	WAGES - CLASSIFIED, SUPPORT	50,388	52,411	52,411	52,411
101-275.000-701.070	WAGES - ELECTED OFFICIALS	69,788	71,069	71,069	72,500
101-275.000-701.097	WAGES - PAID TIME OUT	2,907			4,200
101-275.000-715.001	BENEFITS - FICA	8,750	9,447	9,447	9,900
101-275.000-715.100	BENEFITS - HEALTH INSURANCE	41,657	45,986	43,000	44,500
101-275.000-715.270	BENEFITS - HSA EMPLOYER		200	2,400	2,400
101-275.000-715.275	BENEFITS - LIFE INSURANCE	47	47	1,187	1,350
101-275.000-715.500	BENEFITS - WORKERS COMP	1,077	1,178	1,178	1,150
101-275.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	8,593	10,112	10,112	9,100
101-275.000-726.001	SUPPLIES - OFFICE	173	500	500	500
101-275.000-726.430	SUPPLIES - SOFTWARE	4,631	5,000	5,000	6,000
101-275.000-850.001	OPERATING - POSTAGE	739	300	300	300
101-275.000-850.301	OPERATING - TELEPHONE	560	600	600	600
101-275.000-850.910	OPERATING - TRAVEL	7,995	8,500	8,500	8,500
	TOTAL APPROPRIATIONS	197,305	205,350	205,704	213,411

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 277.000 - ABSTRACTING					
ESTIMATED REVENUES					
101-277.000-600.200	FEES	11,874	9,000	9,000	9,000
	TOTAL ESTIMATED REVENUES	11,874	9,000	9,000	9,000
APPROPRIATIONS					
101-277.000-701.020	WAGES - CLASSIFIED, SUPPORT	36,266	36,030	36,030	37,020
101-277.000-715.001	BENEFITS - FICA	2,754	2,756	2,756	2,850
101-277.000-715.100	BENEFITS - HEALTH INSURANCE	2,826		18,282	19,200
101-277.000-715.270	BENEFITS - HSA EMPLOYER			1,200	1,200
101-277.000-715.275	BENEFITS - LIFE INSURANCE	18	23	23	
101-277.000-715.500	BENEFITS - WORKERS COMP	105	116	116	104
	TOTAL APPROPRIATIONS	41,969	38,925	58,407	60,374
Dept 278.000 - REMONUMENTATION					
ESTIMATED REVENUES					
101-278.000-539.004	REMONUMENTATION	53,819	49,000	52,874	52,000
	TOTAL ESTIMATED REVENUES	53,819	49,000	52,874	52,000
APPROPRIATIONS					
101-278.000-726.052	SUPPLIES - REMONUMENTATION	398	500	500	500
101-278.000-801.050	SERVICES - CONSULTANTS	5,200	2,500	2,500	2,500
101-278.000-801.052	SERVICES - ADMINISTRATIVE	1,000	1,200	1,200	1,000
101-278.000-801.100	SERVICES - CONTRACTUAL	48,289	28,000	38,000	48,000
	TOTAL APPROPRIATIONS	54,887	32,200	42,200	52,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 292.000 - FLEET MAINTENANCE					
ESTIMATED REVENUES					
101-292.000-671.400	REIMBURSEMENTS			1,596	
	TOTAL ESTIMATED REVENUES			1,596	
APPROPRIATIONS					
101-292.000-701.060	WAGES - NON-CLASSIFIED	5,011	10,862	585	
101-292.000-701.080	WAGES - OVERTIME	3,236		7,000	14,154
101-292.000-701.081	OVERTIME RETROACTIVE	10,091			
101-292.000-715.001	BENEFITS - FICA	1,391	831	831	1,280
101-292.000-715.500	BENEFITS - WORKERS COMP	516	300	300	489
101-292.000-726.900	SUPPLIES - VEHICLE	12,479	18,000	18,000	18,000
101-292.000-801.900	SERVICES - VEHICLE MAINTENANCE	8,393	7,600	7,600	10,000
	TOTAL APPROPRIATIONS	41,117	37,593	34,316	43,923
Dept 294.000 - COMMUNICATIONS					
APPROPRIATIONS					
101-294.000-850.300	OPERATING - COMMUNICATIONS	9,064	23,000	5,000	2,250
101-294.000-850.301	OPERATING - TELEPHONE	34,805	35,000	35,000	40,000
	TOTAL APPROPRIATIONS	43,869	58,000	40,000	42,250
Dept 295.000 - MEMBERSHIPS					
APPROPRIATIONS					
101-295.000-850.199	OPERATING - MEMBERSHIPS	4,342	4,350	4,350	4,350
	TOTAL APPROPRIATIONS	4,342	4,350	4,350	4,350
Dept 299.000 - MISCELLANEOUS					
APPROPRIATIONS					
101-299.000-955.990	OTHER - MISCELLANEOUS		1,050	1,050	
	TOTAL APPROPRIATIONS		1,050	1,050	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 301.000 - SHERIFF - ADMINISTRATION					
	ESTIMATED REVENUES				
101-301.000-439.001	MARIJUANA TAX	2,210	100	1,381	1,381
101-301.000-450.752	PISTOL PERMITS	5,055	6,000	6,000	6,000
101-301.000-600.200	FEES	15,576	10,800	10,800	10,800
101-301.000-671.400	REIMBURSEMENTS	232	25	25	
	TOTAL ESTIMATED REVENUES	23,073	16,925	18,206	18,181
	APPROPRIATIONS				
101-301.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	90,618	94,347	94,347	96,500
101-301.000-701.020	WAGES - CLASSIFIED, SUPPORT	101,029	135,642	115,000	113,982
101-301.000-701.070	WAGES - ELECTED OFFICIALS	102,979	111,256	111,256	113,690
101-301.000-701.097	WAGES - PAID TIME OUT	5,423		8,013	7,000
101-301.000-715.001	BENEFITS - FICA	21,742	22,280	22,280	25,540
101-301.000-715.100	BENEFITS - HEALTH INSURANCE	66,804	72,134	72,134	71,000
101-301.000-715.270	BENEFITS - HSA EMPLOYER	100	300	4,777	3,600
101-301.000-715.275	BENEFITS - LIFE INSURANCE	76	70	2,680	3,085
101-301.000-715.500	BENEFITS - WORKERS COMP	6,963	7,881	7,881	7,350
101-301.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	5,032	7,007	5,500	4,725
101-301.000-715.825	BENEFITS - MERS, ADMINISTRATION	120,112	55,185	55,185	61,000
101-301.000-726.001	SUPPLIES - OFFICE	3,450	2,850	2,850	3,000
101-301.000-726.002	SUPPLIES - STATIONARY & FORMS	2,800	1,600	1,600	1,600
101-301.000-801.100	SERVICES - CONTRACTUAL	2,871			
101-301.000-850.001	OPERATING - POSTAGE	1,540	1,500	1,500	1,500
101-301.000-850.370	OPERATING - WIRELESS	17,077	16,000	16,000	18,500
101-301.000-850.910	OPERATING - TRAVEL	501	1,500	1,522	2,000
101-301.000-955.990	OTHER - MISCELLANEOUS		10,000	10,000	
	TOTAL APPROPRIATIONS	549,117	539,552	532,525	534,072

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 301.001 - SHERIFF - UNIFORMED SERVICES					
	ESTIMATED REVENUES				
101-301.001-539.305	LIQUOR INSPECTION	13,231	13,000	13,504	13,000
101-301.001-600.450	ROAD PATROL SERVICES	261,326	269,425	269,425	271,884
101-301.001-671.000	OTHER REVENUE			11,000	
101-301.001-671.400	REIMBURSEMENTS	3,461	3,500	3,500	3,000
101-301.001-671.404	OUIL-OUID REIMBURSEMENT	2,800	2,500	2,500	2,500
	TOTAL ESTIMATED REVENUES	280,818	288,425	299,929	290,384
	APPROPRIATIONS				
101-301.001-701.051	WAGES - UNION, DEPUTIES	598,690	783,000	783,000	1,056,630
101-301.001-701.053	WAGES - UNION, COMMAND OFFICERS	415,458	416,314	416,314	322,400
101-301.001-701.080	WAGES - OVERTIME	145,002	154,000	154,000	125,000
101-301.001-701.097	WAGES - PAID TIME OUT	16,572		7,328	8,000
101-301.001-715.001	BENEFITS - FICA	86,689	103,528	103,528	120,000
101-301.001-715.100	BENEFITS - HEALTH INSURANCE	262,373	310,423	310,423	361,500
101-301.001-715.270	BENEFITS - HSA EMPLOYER	2,903	16,650	16,650	19,125
101-301.001-715.275	BENEFITS - LIFE INSURANCE	2,756	3,393	12,213	14,800
101-301.001-715.500	BENEFITS - WORKERS COMP	38,485	41,556	41,556	47,550
101-301.001-715.820	BENEFITS - MERS, JAIL OFFICERS & CLERKS	91		207	
101-301.001-715.822	BENEFITS - MERS, DEPUTIES	70,925	119,067	118,860	186,000
101-301.001-715.824	BENEFITS - MERS, COMMAND, DEPUTIES	216,498	102,647	442,927	67,500
101-301.001-726.005	SUPPLIES - EQUIPMENT	36,733	15,000	15,000	15,000
101-301.001-726.150	SUPPLIES - UNIFORMS	28,737	9,000	12,000	15,000
101-301.001-726.350	SUPPLIES - RADIO	679	1,500	1,500	1,500
101-301.001-726.910	SUPPLIES - GASOLINE	92,906	80,000	80,000	95,000
101-301.001-801.150	SERVICES - DRY CLEANING	3,272	3,000	3,000	3,000
101-301.001-850.153	OPERATING - TRAINING	5,866	3,500	3,500	5,000
101-301.001-850.360	OPERATING - PAGERS	210	200	200	250
	TOTAL APPROPRIATIONS	2,024,845	2,162,778	2,522,206	2,463,255

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 301.011 - SHERIFF - ACT 302 TRAINING GRANT					
ESTIMATED REVENUES					
101-301.011-539.306	ACT 302 CRIMINAL JUSTICE TRAINING	7,392	3,000	4,000	4,200
TOTAL ESTIMATED REVENUES		7,392	3,000	4,000	4,200
APPROPRIATIONS					
101-301.011-850.153	OPERATING - TRAINING	3,977	4,200	4,200	4,200
TOTAL APPROPRIATIONS		3,977	4,200	4,200	4,200
Dept 301.021 - SHERIFF-ACADEMY					
ESTIMATED REVENUES					
101-301.021-539.314	MCOLES TRAINING GRANT	24,000		24,000	20,000
TOTAL ESTIMATED REVENUES		24,000		24,000	20,000
APPROPRIATIONS					
101-301.021-701.052	WAGES - UNION, JAIL OFFICERS & CLERKS	13,200		15,169	13,734
101-301.021-701.080	WAGES - OVERTIME			269	200
101-301.021-715.001	BENEFITS - FICA	915		1,149	1,051
101-301.021-715.100	BENEFITS - HEALTH INSURANCE	6,938		2,700	4,363
101-301.021-715.275	BENEFITS - LIFE INSURANCE	6		166	238
101-301.021-715.500	BENEFITS - WORKERS COMP	455		530	465
101-301.021-715.820	BENEFITS - MERS, JAIL OFFICERS & CLERKS	1,122		1,236	1,167
101-301.021-715.822	BENEFITS - MERS, DEPUTIES			102	
101-301.021-850.153	OPERATING - TRAINING	9,596		9,000	13,000
TOTAL APPROPRIATIONS		32,232		30,321	34,218
Dept 311.000 - CMET					
ESTIMATED REVENUES					
101-311.000-501.000	FEDERAL GRANTS	221			
101-311.000-671.400	REIMBURSEMENTS				1,000
TOTAL ESTIMATED REVENUES		221			1,000
APPROPRIATIONS					
101-311.000-701.051	WAGES - UNION, DEPUTIES	41,560	65,533	65,533	68,700
101-311.000-701.080	WAGES - OVERTIME	264			1,000
101-311.000-701.097	WAGES - PAID TIME OUT			1,268	1,000
101-311.000-715.001	BENEFITS - FICA	3,381	5,765	5,765	5,500
101-311.000-715.100	BENEFITS - HEALTH INSURANCE	9,716	19,837	19,837	19,200
101-311.000-715.270	BENEFITS - HSA EMPLOYER		900	900	900
101-311.000-715.275	BENEFITS - LIFE INSURANCE	108	174	449	790
101-311.000-715.500	BENEFITS - WORKERS COMP	1,588	2,211	2,211	2,300
101-311.000-715.822	BENEFITS - MERS, DEPUTIES	3,675	8,991	8,991	12,500
101-311.000-715.824	BENEFITS - MERS, COMMAND, DEPUTIES	405			
101-311.000-801.000	PROFESSIONAL & CONTRACTUAL SERVICES				2,500
TOTAL APPROPRIATIONS		60,697	103,411	104,954	114,390

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	Dept 325.000 - CENTRAL DISPATCH				
	ESTIMATED REVENUES				
101-325.000-671.400	REIMBURSEMENTS	26,130			
	TOTAL ESTIMATED REVENUES	26,130			
	APPROPRIATIONS				
101-325.000-803.262	EQUIPMENT DISPATCH	26,130			
	TOTAL APPROPRIATIONS	26,130			
	Dept 331.000 - MARINE SAFETY				
	ESTIMATED REVENUES				
101-331.000-501.000	FEDERAL GRANTS	3,676	4,500	4,500	5,300
	TOTAL ESTIMATED REVENUES	3,676	4,500	4,500	5,300
	APPROPRIATIONS				
101-331.000-701.051	WAGES - UNION, DEPUTIES	2,886	2,671	3,040	3,778
101-331.000-715.001	BENEFITS - FICA	221	204	230	290
101-331.000-715.100	BENEFITS - HEALTH INSURANCE		400		
101-331.000-715.500	BENEFITS - WORKERS COMP	100	122	130	130
101-331.000-726.004	SUPPLIES - MARINE	32	900	500	500
101-331.000-726.910	SUPPLIES - GASOLINE	439	700	600	600
101-331.000-970.000	CAPITAL OUTLAY			90,408	
	TOTAL APPROPRIATIONS	3,678	4,997	94,908	5,298
	Dept 333.000 - SECONDARY ROAD PATROL				
	ESTIMATED REVENUES				
101-333.000-539.301	SECONDARY ROAD PATROL	104,823	104,887	104,887	148,676
	TOTAL ESTIMATED REVENUES	104,823	104,887	104,887	148,676
	APPROPRIATIONS				
101-333.000-701.051	WAGES - UNION, DEPUTIES	59,521	63,935	57,935	69,500
101-333.000-701.080	WAGES - OVERTIME	13,840		6,000	4,500
101-333.000-715.001	BENEFITS - FICA	5,327	5,625	5,625	6,000
101-333.000-715.100	BENEFITS - HEALTH INSURANCE	6,522	9,017	9,017	8,725
101-333.000-715.270	BENEFITS - HSA EMPLOYER	700	900	900	900
101-333.000-715.275	BENEFITS - LIFE INSURANCE	161	168	418	750
101-333.000-715.500	BENEFITS - WORKERS COMP	2,210	2,321	2,321	2,350
101-333.000-715.822	BENEFITS - MERS, DEPUTIES	5,581	8,772	8,772	12,500
101-333.000-726.005	SUPPLIES - EQUIPMENT	15,900	5,600	15,200	9,000
	TOTAL APPROPRIATIONS	109,762	96,338	106,188	114,225

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 351.000 - JAIL					
	ESTIMATED REVENUES				
101-351.000-501.004	FEDERAL GRANTS - PH TITLE 5		200	200	
101-351.000-600.200	FEES	3,624	1,800	2,800	2,000
101-351.000-600.218	SEX OFFENDER REGISTRATION FEE	3,940	4,200	4,200	3,500
101-351.000-600.601	INMATE STORES	32,687	35,000	35,000	30,000
101-351.000-671.000	OTHER REVENUE	983	500	576	500
101-351.000-671.400	REIMBURSEMENTS	64,050	62,000	62,000	65,000
101-351.000-671.450	JAIL INMATE REIMBURSEMENT	54,510	55,000	55,000	50,000
101-351.000-671.451	JAIL TELEPHONE REIMBURSEMENT	137,021	148,000	148,000	150,000
	TOTAL ESTIMATED REVENUES	296,815	306,700	307,776	301,000
	APPROPRIATIONS				
101-351.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	40,103	79,068	79,068	81,000
101-351.000-701.020	WAGES - CLASSIFIED, SUPPORT	(200)			
101-351.000-701.052	WAGES - UNION, JAIL OFFICERS & CLERKS	506,033	1,174,947	974,947	1,215,000
101-351.000-701.055	WAGES - UNION, CORRECTIONS COMMAND	126,299	248,273	248,273	261,693
101-351.000-701.080	WAGES - OVERTIME	172,470	162,705	362,705	200,000
101-351.000-701.097	WAGES - PAID TIME OUT	31,819	7,200	7,200	8,000
101-351.000-701.099	WAGES - OTHER	7,000		2,000	16,000
101-351.000-715.001	BENEFITS - FICA	60,625	127,372	127,372	145,000
101-351.000-715.100	BENEFITS - HEALTH INSURANCE	183,001	437,564	437,564	463,350
101-351.000-715.270	BENEFITS - HSA EMPLOYER		21,700	21,700	24,300
101-351.000-715.275	BENEFITS - LIFE INSURANCE	1,664	4,055	10,955	17,908
101-351.000-715.500	BENEFITS - WORKERS COMP	25,583	52,260	52,260	52,750
101-351.000-715.820	BENEFITS - MERS, JAIL OFFICERS & CLERKS	155,980	134,804	134,804	128,000
101-351.000-715.823	BENEFITS - MERS, COMMAND, JAIL		18,001		
101-351.000-715.825	BENEFITS - MERS, ADMINISTRATION	8,338	21,222	21,222	23,000
101-351.000-726.001	SUPPLIES - OFFICE	732	800	800	800
101-351.000-726.002	SUPPLIES - STATIONARY & FORMS	100	100	100	100
101-351.000-726.005	SUPPLIES - EQUIPMENT	6,560			
101-351.000-726.150	SUPPLIES - UNIFORMS	16,567	10,600	10,600	15,000
101-351.000-726.600	SUPPLIES - MEDICAL	93,686	60,000	60,000	60,000
101-351.000-726.701	SUPPLIES - KITCHEN	4,425	6,500	6,500	6,500
101-351.000-726.703	SUPPLIES - CLOTHING/BEDDING	8,000	8,000	8,000	8,000
101-351.000-726.705	SUPPLIES - INMATE STORES	59,456	75,000	75,000	75,000
101-351.000-726.800	SUPPLIES - BUILDING MAINTENANCE	692	3,000	3,000	3,000
101-351.000-726.804	SUPPLIES - JAIL MAINTENANCE	6,125			
101-351.000-801.003	SCANNER PURCHASE (REIMBURSABLE)	24,141			
101-351.000-801.005	SERVICES - EQUIPMENT MAINTENANCE	2,712	1,500	1,500	1,500
101-351.000-801.100	SERVICES - CONTRACTUAL	209,549	255,000	255,000	282,000
101-351.000-801.150	SERVICES - DRY CLEANING	3,058	2,750	2,750	3,000
101-351.000-801.600	SERVICES - MEDICAL DOCTOR	390,570	200,000	400,000	400,000
101-351.000-850.153	OPERATING - TRAINING	929	4,250	4,250	8,000
101-351.000-850.910	OPERATING - TRAVEL	402	2,500	2,500	2,500
101-351.000-955.005	OTHER - EQUIPMENT RENTAL	2,111		1,695	2,000
101-351.000-955.991	OTHER - INCIDENTAL EXPENSE	185			
	TOTAL APPROPRIATIONS	2,148,715	3,119,171	3,311,765	3,503,401

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	Dept 426.000 - EMERGENCY MANAGEMENT				
	ESTIMATED REVENUES				
101-426.000-501.400	FEDERAL GRANT - REIMBURSEMENT			22,457	
101-426.000-539.303	EMERGENCY SERVICES	26,479	20,000		
101-426.000-671.400	REIMBURSEMENTS	27,123	70,000		
	TOTAL ESTIMATED REVENUES	53,602	90,000	22,457	
	APPROPRIATIONS				
101-426.000-701.020	WAGES - CLASSIFIED, SUPPORT	56,080	77,523	77,206	56,500
101-426.000-701.080	WAGES - OVERTIME			317	1,000
101-426.000-715.001	BENEFITS - FICA	4,004	6,820	6,820	4,390
101-426.000-715.100	BENEFITS - HEALTH INSURANCE	16,602	19,837	19,837	18,980
101-426.000-715.270	BENEFITS - HSA EMPLOYER	(103)	900	892	675
101-426.000-715.275	BENEFITS - LIFE INSURANCE	155	232	682	590
101-426.000-715.500	BENEFITS - WORKERS COMP	1,887	1,982	1,982	1,890
101-426.000-715.824	BENEFITS - MERS, COMMAND, DEPUTIES	11,672	16,621	16,621	10,325
101-426.000-726.001	SUPPLIES - OFFICE	189	500	500	500
101-426.000-726.350	SUPPLIES - RADIO		500	500	500
101-426.000-801.350	SERVICES - RADIO MAINTENANCE	150			
101-426.000-850.001	OPERATING - POSTAGE		100	100	
101-426.000-850.153	OPERATING - TRAINING		500	500	1,000
101-426.000-850.301	OPERATING - TELEPHONE	432	600	600	600
101-426.000-850.910	OPERATING - TRAVEL		200	200	300
101-426.000-955.100	OTHER - REIMBURSEABLE			22,457	
	TOTAL APPROPRIATIONS	91,068	126,315	149,214	97,250
	Dept 426.001 - EM - LEPC				
	APPROPRIATIONS				
101-426.001-726.001	SUPPLIES - OFFICE	550	600	600	550
	TOTAL APPROPRIATIONS	550	600	600	550

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 430.000 - ANIMAL CONTROL					
	ESTIMATED REVENUES				
101-430.000-450.501	DOG LICENSE	82,104	90,000	90,000	80,000
	TOTAL ESTIMATED REVENUES	82,104	90,000	90,000	80,000
	APPROPRIATIONS				
101-430.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	30,582	56,795	56,795	62,045
101-430.000-701.020	WAGES - CLASSIFIED, SUPPORT	64,551	112,446	112,446	150,950
101-430.000-701.097	WAGES - PAID TIME OUT	3,414	1,500	1,500	1,500
101-430.000-715.001	BENEFITS - FICA	6,765	12,947	12,947	16,500
101-430.000-715.100	BENEFITS - HEALTH INSURANCE	25,464	55,003	51,000	53,225
101-430.000-715.270	BENEFITS - HSA EMPLOYER		300	3,000	3,000
101-430.000-715.275	BENEFITS - LIFE INSURANCE	35	70	1,320	1,511
101-430.000-715.500	BENEFITS - WORKERS COMP	1,237	2,441	2,441	3,000
101-430.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	184	1,814	1,814	3,102
101-430.000-726.001	SUPPLIES - OFFICE	56	100	100	100
101-430.000-726.002	SUPPLIES - STATIONARY & FORMS	1,014	750	750	750
101-430.000-726.050	SUPPLIES - PROGRAM	42			
101-430.000-726.150	SUPPLIES - UNIFORMS	3,053	500	500	1,300
101-430.000-726.350	SUPPLIES - RADIO		800		
101-430.000-726.601	SUPPLIES - PHARMACEUTICAL	701			
101-430.000-726.610	SUPPLIES - ANIMAL DISPOSAL	1,565	1,000	1,500	1,500
101-430.000-726.801	SUPPLIES - JANITORIAL	30			
101-430.000-726.910	SUPPLIES - GASOLINE	2,523	2,500	2,500	2,500
101-430.000-801.900	SERVICES - VEHICLE MAINTENANCE	21			
101-430.000-850.006	OPERATING - LICENSE FEE		200	200	
101-430.000-850.301	OPERATING - TELEPHONE	916	1,000	1,000	1,000
101-430.000-850.370	OPERATING - WIRELESS	605	700	700	700
	TOTAL APPROPRIATIONS	142,758	250,866	250,513	302,683

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 430.001 - ANIMAL SHELTER					
ESTIMATED REVENUES					
101-430.001-539.000	STATE GRANTS			5,000	
101-430.001-600.200	FEES	1,611	2,000	2,000	1,000
101-430.001-674.000-DONATION	CONTRIBUTIONS AND DONATIONS			30,000	
TOTAL ESTIMATED REVENUES		1,611	2,000	37,000	1,000
APPROPRIATIONS					
101-430.001-726.001	SUPPLIES - OFFICE		250	250	
101-430.001-726.609	SUPPLIES - ANIMAL MEDICAL	36,974	12,000	20,000	20,000
101-430.001-726.609-DONATION	SUPPLIES - ANIMAL MEDICAL			20,000	
101-430.001-726.620	SUPPLIES - BEDDING TOYS ETC	6,916	5,000	15,000	10,000
101-430.001-726.702	SUPPLIES - FOOD	4,748	3,250	3,250	4,000
101-430.001-726.801	SUPPLIES - JANITORIAL		1,000		
101-430.001-726.801-EQ-19-02	SUPPLIES - JANITORIAL		1		
101-430.001-801.100	SERVICES - CONTRACTUAL	200			
101-430.001-801.100-DONATION	SERVICES - CONTRACTUAL			10,000	
101-430.001-801.800	SERVICES - BUILDING MAINTENANCE	146	300	300	
101-430.001-850.001	OPERATING - POSTAGE	289	100	100	100
101-430.001-850.006	OPERATING - LICENSE FEE	172	200	200	200
101-430.001-850.301	OPERATING - TELEPHONE	916	1,000	1,000	1,000
101-430.001-850.800	OPERATING - UTILITIES			10,000	18,000
101-430.001-970.000	CAPITAL OUTLAY	192			
TOTAL APPROPRIATIONS		50,553	23,101	80,100	53,300
Dept 430.003 - ANIMAL SHELTER - REIMBURSEABLE					
ESTIMATED REVENUES					
101-430.003-671.455	MEDICAL REIMBURSEMENT	68,613	54,000	54,000	50,000
TOTAL ESTIMATED REVENUES		68,613	54,000	54,000	50,000
APPROPRIATIONS					
101-430.003-801.609	SERVICES - VETERINARIAN	76,825	54,000	54,000	50,000
TOTAL APPROPRIATIONS		76,825	54,000	54,000	50,000
Dept 430.104 - ANIMAL SHELTER - SPAY/NEUTER GRANT					
ESTIMATED REVENUES					
101-430.104-539.120-AS-01-23	ANIMAL SHELTER FOUNDATION GRANT	(9,678)			
TOTAL ESTIMATED REVENUES		(9,678)			

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 441.000 - BOARD OF PUBLIC WORKS					
APPROPRIATIONS					
101-441.000-701.200	WAGES - PER DIEM		500	500	500
101-441.000-715.001	BENEFITS - FICA		37	37	40
101-441.000-715.275	BENEFITS - LIFE INSURANCE		1	1	
101-441.000-715.500	BENEFITS - WORKERS COMP		1	1	
	TOTAL APPROPRIATIONS		539	539	540
Dept 445.000 - DRAIN AT-LARGE					
APPROPRIATIONS					
101-445.000-999.801	TRANSFER TO DRAIN FUND	90,528	92,000	103,472	74,364
	TOTAL APPROPRIATIONS	90,528	92,000	103,472	74,364
Dept 631.000 - SUBSTANCE ABUSE					
APPROPRIATIONS					
101-631.000-955.999	OTHER - APPROPRIATION	83,390	73,550	73,550	89,500
	TOTAL APPROPRIATIONS	83,390	73,550	73,550	89,500
Dept 648.000 - MEDICAL EXAMINER					
APPROPRIATIONS					
101-648.000-801.622	SERVICES - BODY TRANSPORT	8,819	13,000	13,000	13,000
101-648.000-801.623	SERVICES - AUTOPSIES	174,443	170,000	170,000	185,505
	TOTAL APPROPRIATIONS	183,262	183,000	183,000	198,505
Dept 649.000 - MENTAL HEALTH					
APPROPRIATIONS					
101-649.000-955.999	OTHER - APPROPRIATION	163,000	163,000	163,000	163,000
	TOTAL APPROPRIATIONS	163,000	163,000	163,000	163,000
Dept 670.000 - SOCIAL SERVICES					
APPROPRIATIONS					
101-670.000-850.910	OPERATING - TRAVEL	179			
101-670.000-955.000	OTHER EXPENSES	1,781			
101-670.000-955.999	OTHER - APPROPRIATION	7,873	11,000	11,000	10,000
	TOTAL APPROPRIATIONS	9,833	11,000	11,000	10,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 675.000 - AREA AGENCY ON AGING					
APPROPRIATIONS					
101-675.000-955.999	OTHER - APPROPRIATION	2,091			
	TOTAL APPROPRIATIONS	2,091			
Dept 681.000 - VETERANS BURIAL					
APPROPRIATIONS					
101-681.000-801.050	SERVICES - CONSULTANTS	248	400	400	400
101-681.000-801.706	SERVICES - BURIAL	18,600	23,100	23,100	23,100
	TOTAL APPROPRIATIONS	18,848	23,500	23,500	23,500
Dept 681.002 - SOLDIERS & SAILORS RELIEF					
APPROPRIATIONS					
101-681.002-999.293	TRANSFER TO SOLDIERS & SAILORS RELIEF FU	5,000	10,000	10,000	10,000
	TOTAL APPROPRIATIONS	5,000	10,000	10,000	10,000
Dept 728.000 - ECONOMIC DEVELOPMENT					
APPROPRIATIONS					
101-728.000-801.044	SERVICES - CONSULTANTS, EC. DEV.	25,000	27,000	27,000	27,540
	TOTAL APPROPRIATIONS	25,000	27,000	27,000	27,540

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 751.000 - PARKS & RECREATION					
ESTIMATED REVENUES					
101-751.000-600.600	SALES			158	
101-751.000-600.701	CAMPING FEES	13,132	10,250	14,605	14,000
101-751.000-600.702	PARK GATE FEE	7,046	7,400	7,400	7,500
101-751.000-600.703	ANNUAL PARK PERMIT	575	500	1,400	600
101-751.000-664.500	RENT			55	
101-751.000-664.541	RENT, PALMER LODGE	16,485	18,000	18,000	15,000
101-751.000-664.542	RENT, PAVILIONS	4,595	4,600	4,600	4,600
101-751.000-664.543	RENT, PICNIC SITES	215	400	400	400
101-751.000-664.544	RENT, PARK FACILITIES	430	650	650	650
101-751.000-664.546	RENT, FARMLAND LEASE	14,953	14,500	14,500	14,500
101-751.000-671.000	OTHER REVENUE	2,047	1,600	1,600	1,600
101-751.000-671.300	CONTRIBUTIONS & DONATIONS			10	
	TOTAL ESTIMATED REVENUES	59,478	57,900	63,378	58,850
APPROPRIATIONS					
101-751.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	64,070	60,745	60,745	63,800
101-751.000-701.020	WAGES - CLASSIFIED, SUPPORT	6,610	9,984	9,984	11,100
101-751.000-701.080	WAGES - OVERTIME	488			
101-751.000-701.097	WAGES - PAID TIME OUT	3,893			3,970
101-751.000-715.001	BENEFITS - FICA	5,305	5,427	5,427	6,400
101-751.000-715.100	BENEFITS - HEALTH INSURANCE	24,270	26,149	26,149	25,303
101-751.000-715.270	BENEFITS - HSA EMPLOYER		100	1,200	1,200
101-751.000-715.275	BENEFITS - LIFE INSURANCE	23	23	598	664
101-751.000-715.500	BENEFITS - WORKERS COMP	2,467	2,680	2,680	2,450
101-751.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	6,080	7,683	7,683	6,550
101-751.000-726.001	SUPPLIES - OFFICE	77	250	250	250
101-751.000-726.005	SUPPLIES - EQUIPMENT	237	600	600	600
101-751.000-726.802	SUPPLIES - GENERAL MAINTENANCE	3,166	5,000	4,000	2,000
101-751.000-726.910	SUPPLIES - GASOLINE	3,565	4,100	4,100	4,100
101-751.000-801.050	SERVICES - CONSULTANTS	105	300	300	605
101-751.000-801.100	SERVICES - CONTRACTUAL	2,015	2,150	2,150	3,000
101-751.000-850.002	OPERATING - ADVERTISING	265	150		150
101-751.000-850.006	OPERATING - LICENSE FEE	453	475	475	475
101-751.000-850.301	OPERATING - TELEPHONE	560	575	575	600
101-751.000-850.800	OPERATING - UTILITIES	3,832	2,500	4,500	4,500
101-751.000-850.820	OPERATING - RENT/LEASE	3,200	3,200	4,081	5,200
	TOTAL APPROPRIATIONS	130,681	132,091	135,497	142,917
Dept 754.000 - RAIL-TRAIL - DNR GRANT					
APPROPRIATIONS					
101-754.000-801.000	PROFESSIONAL & CONTRACTUAL SERVICES		2,400		
	TOTAL APPROPRIATIONS		2,400		

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 851.000 - INSURANCE & BONDS					
APPROPRIATIONS					
101-851.000-801.152	SERVICES - PHYSICALS	14,212	12,000		
101-851.000-955.001	OTHER - INSURANCE & BONDS	516,251	380,000	383,516	394,000
	TOTAL APPROPRIATIONS	530,463	392,000	383,516	394,000
Dept 901.001 - MAJOR EQUIPMENT					
APPROPRIATIONS					
101-901.001-801.001	SERVICES - OFFICE EQUIPMENT	2,532	4,000	4,000	3,360
	TOTAL APPROPRIATIONS	2,532	4,000	4,000	3,360
Dept 901.002 - RECORD COPY					
APPROPRIATIONS					
101-901.002-850.200	OPERATING - COPYING	49,581	65,000	65,000	6,050
101-901.002-850.201	OPERATING - COPYING (AIRPORT)				1,000
101-901.002-850.203	OPERATING - COPYING (ANIMAL CO & SH)				1,000
101-901.002-850.204	OPERATING - COPYING (BERTHA BROCK PARK)				250
101-901.002-850.205	OPERATING - COPYING (ADMIN)				2,700
101-901.002-850.206	OPERATING - COPYING (BUILDING CODES)				2,700
101-901.002-850.207	OPERATING - COPYING (CENTRAL DISPATCH)				2,700
101-901.002-850.208	OPERATING - COPYING (CIRCUT COURT)				2,700
101-901.002-850.209	OPERATING - COPYING (CLERK)				2,700
101-901.002-850.210	OPERATING - COPYING (COA)				2,700
101-901.002-850.211	OPERATING - COPYING (DISTRICT COURT)				2,700
101-901.002-850.212	OPERATING - COPYING (EMERGENCY MGMT)				2,700
101-901.002-850.213	OPERATING - COPYING (EQUALIZATION)				2,700
101-901.002-850.214	OPERATING - COPYING (FRIEND OF COURT)				2,700
101-901.002-850.215	OPERATING - COPYING (HEALTH DEPARTMENT)				2,700
101-901.002-850.216	OPERATING - COPYING (JUVENILE COURT)				2,700
101-901.002-850.217	OPERATING - COPYING (MAINTENANCE DEPT)				2,700
101-901.002-850.218	OPERATING - COPYING (MSU EXTENSION)				2,700
101-901.002-850.219	OPERATING - COPYING (PROBATE COURT)				2,700
101-901.002-850.220	OPERATING - COPYING (PROSECUTING ATT)				2,700
101-901.002-850.221	OPERATING - COPYING (PUBLIC DEFENDER)				2,700
101-901.002-850.222	OPERATING - COPYING (REGISTER OF DEEDS)				2,700
101-901.002-850.223	OPERATING - COPYING (ROADS DEPARTMENT)				2,700
101-901.002-850.224	OPERATING - COPYING (SHERIFF'S DEPT)				2,700
101-901.002-850.225	OPERATING - COPYING (TREASURER)				2,700
	TOTAL APPROPRIATIONS	49,581	65,000	65,000	65,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES - FUND 101	22,302,142	21,822,884	22,053,266	18,278,380
	APPROPRIATIONS - FUND 101	21,155,792	21,975,929	22,767,483	18,288,440
	NET OF REVENUES/APPROPRIATIONS - FUND 101	1,146,350	(153,045)	(714,217)	(10,060)
	BEGINNING FUND BALANCE	2,918,840	4,065,203	4,065,203	3,350,986
	ENDING FUND BALANCE	4,065,190	3,912,158	3,350,986	3,340,926

FUND 102: GENERAL FUND DESIGNATED

This fund is a designated portion of the General Fund that is reserved for specific purposes as determined by the governing body. This fund ensures that resources are set aside for targeted projects, initiatives, or contingencies, allowing for more focused financial planning and management. The designated funds may be used for special programs, capital improvements, or other priorities that require dedicated funding beyond the standard General Fund allocations. Fund 102 plays a key role in supporting the organization's strategic goals by providing flexibility in meeting specific financial needs.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
102-000.000-664.001	INVESTMENT INTEREST			18,000	75,000
102-000.000-691.087	INSTALLMENT PURCH/LEASE PROCEEDS	107,322			
102-000.000-699.101	TRANSFER IN - GENERAL FUND		2,425,000	2,425,000	
102-000.000-699.516	TRANSFER IN - DTRF	290,613	416,632	296,619	313,989
	TOTAL ESTIMATED REVENUES	397,935	2,841,632	2,739,619	388,989
	APPROPRIATIONS				
102-000.000-970.000	CAPITAL OUTLAY			2,425,000	
	TOTAL APPROPRIATIONS			2,425,000	
	Dept 228.000 - INFORMATION TECHNOLOGY				
	APPROPRIATIONS				
102-228.000-970.470	CAPITAL - IT HARDWARE	84,446	148,500	148,500	50,000
	TOTAL APPROPRIATIONS	84,446	148,500	148,500	50,000
	Dept 261.000 - MSU EXTENSION				
	APPROPRIATIONS				
102-261.000-970.000	CAPITAL OUTLAY			10,862	
	TOTAL APPROPRIATIONS			10,862	
	Dept 265.000 - BUILDINGS & GROUNDS				
	APPROPRIATIONS				
102-265.000-970.000	CAPITAL OUTLAY	(5,654)	6,150	29	
102-265.000-970.820	CAPITAL - FACILITY IMPROVEMENTS				30,000
102-265.000-991.100	PRINCIPAL LEASE	5,330			
102-265.000-992.100	INTEREST LEASE	324			
	TOTAL APPROPRIATIONS		6,150	29	30,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 265.200 - FACILITIES					
APPROPRIATIONS					
102-265.200-970.000	CAPITAL OUTLAY				150,000
	TOTAL APPROPRIATIONS				150,000
Dept 301.000 - SHERIFF - ADMINISTRATION					
ESTIMATED REVENUES					
102-301.000-501.000	FEDERAL GRANTS			23,093	
	TOTAL ESTIMATED REVENUES			23,093	
APPROPRIATIONS					
102-301.000-970.000	CAPITAL OUTLAY			59,328	
	TOTAL APPROPRIATIONS			59,328	
Dept 301.001 - SHERIFF - UNIFORMED SERVICES					
ESTIMATED REVENUES					
102-301.001-671.400	REIMBURSEMENTS	41,090		22,000	
102-301.001-695.001	INSURANCE RECOVERIES	18,750		44,148	
	TOTAL ESTIMATED REVENUES	59,840		66,148	
APPROPRIATIONS					
102-301.001-970.000	CAPITAL OUTLAY	111,833	139,540	139,540	254,000
102-301.001-970.900	CAPITAL - VEHICLES	117,430			
102-301.001-991.100	PRINCIPAL LEASE	103,301			
102-301.001-992.100	INTEREST LEASE	7,429			
	TOTAL APPROPRIATIONS	339,993	139,540	139,540	254,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	Dept 351.000 - JAIL				
	ESTIMATED REVENUES				
102-351.000-501.000	FEDERAL GRANTS			544	
	TOTAL ESTIMATED REVENUES			544	
	APPROPRIATIONS				
102-351.000-970.000	CAPITAL OUTLAY				55,000
	TOTAL APPROPRIATIONS				55,000
	Dept 430.001 - ANIMAL SHELTER				
	APPROPRIATIONS				
102-430.001-970.000	CAPITAL OUTLAY	(8,347)	8,500		
102-430.001-991.100	PRINCIPAL LEASE	8,200			
102-430.001-992.100	INTEREST LEASE	147			
	TOTAL APPROPRIATIONS		8,500		
	Dept 500.000 - AIRPORT				
	APPROPRIATIONS				
102-500.000-999.581	TRANSFER TO AIRPORT FUND				28,000
	TOTAL APPROPRIATIONS				28,000
	Dept 720.000 - COMMUNITY DEVELOPMENT				
	ESTIMATED REVENUES				
102-720.000-671.400-FLAG-CO	REIMBURSEMENTS			54,997	
	TOTAL ESTIMATED REVENUES			54,997	
	APPROPRIATIONS				
102-720.000-970.000-FLAG-CO	CAPITAL OUTLAY			54,997	
	TOTAL APPROPRIATIONS			54,997	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
Dept 751.000 - PARKS & RECREATION					
	APPROPRIATIONS				
102-751.000-726.000	SUPPLIES	268			
102-751.000-970.000	CAPITAL OUTLAY	(5,247)	5,750		
102-751.000-991.100	PRINCIPAL LEASE	4,947			
102-751.000-992.100	INTEREST LEASE	301			
TOTAL APPROPRIATIONS		269	5,750		
	ESTIMATED REVENUES - FUND 102	457,775	2,841,632	2,884,401	388,989
	APPROPRIATIONS - FUND 102	424,708	308,440	2,838,256	567,000
	NET OF REVENUES/APPROPRIATIONS - FUND 102	33,067	2,533,192	46,145	(178,011)
	BEGINNING FUND BALANCE	601,923	634,990	634,990	681,135
	ENDING FUND BALANCE	634,990	3,168,182	681,135	503,124

FUND 257 : BUDGET STABLIZATION FUND

This fund serves as a financial safety net for the community, providing resources to stabilize the budget during times of economic uncertainty or unexpected revenue shortfalls. This fund is designed to mitigate the impact of financial disruptions, such as recessions, natural disasters, or other unforeseen events that could strain the municipality's finances. By maintaining a reserve in Fund 257, the government can ensure continuity of essential services and avoid drastic measures, such as sudden budget cuts or tax increases, in response to fiscal challenges.

The Budget Stabilization Fund is typically governed by strict guidelines regarding when and how its resources can be used, with withdrawals often restricted to emergencies or specific financial thresholds. This disciplined approach helps maintain the fund's integrity, ensuring that it remains available for its intended purpose: to provide budgetary stability and safeguard the long-term fiscal health of the community.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
257-000.000-664.001	INVESTMENT INTEREST			48	75
ESTIMATED REVENUES - FUND 257				48	75
NET OF REVENUES/APPROPRIATIONS - FUND 257				48	75
	BEGINNING FUND BALANCE	5,000	5,000	5,000	5,048
	ENDING FUND BALANCE	5,000	5,000	5,048	5,123

FUND 292: CHILD CARE FUND

This fund is dedicated to providing financial support for child care services aimed at protecting the welfare of children in the community. This fund is used to cover the costs associated with foster care, residential care, in-home care, and other supportive services for children who are under the supervision of the court or child protective services. The Child Care Fund helps ensure that vulnerable children receive the care, supervision, and support they need in safe and nurturing

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
292-000.000-664.001	INVESTMENT INTEREST			600	600
292-662.000-539.000	STATE GRANTS	19,765	14,000	14,000	403,000
292-662.000-600.210	PARENTAL SUPPORT FEE	6,793	11,000	11,000	10,000
292-662.000-699.101	TRANSFER IN - GENERAL FUND	219,117	198,000	198,000	161,243
	TOTAL ESTIMATED REVENUES	245,675	223,000	223,600	574,843
	APPROPRIATIONS				
292-662.000-801.513	SERVICES - FOSTER CARE	5,669	7,500	7,500	7,500
292-662.000-801.514	SERVICES - INSTITUTIONAL CARE	77,220	77,500	77,500	77,500
292-662.000-801.515	SERVICES - CHILD CARE NON-REIMBURSEABLE	1,648	25,000	25,000	25,000
292-662.000-960.000	INDIRECT COST ALLOCATION	15,004	12,752	12,752	10,290
292-662.001-701.000	WAGES				16,260
292-662.001-701.020	WAGES - CLASSIFIED, SUPPORT	64,507	58,968	58,968	328,951
292-662.001-701.097	WAGES - PAID TIME OUT	3,558			
292-662.001-715.001	BENEFITS - FICA	5,061	4,798	4,798	26,409
292-662.001-715.100	BENEFITS - HEALTH INSURANCE				50,605
292-662.001-715.270	BENEFITS - HSA EMPLOYER				2,550
292-662.001-715.275	BENEFITS - LIFE INSURANCE	23	23	650	3,591
292-662.001-715.500	BENEFITS - WORKERS COMP	2,282	2,683	2,683	7,380
292-662.001-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	6,351	7,607	7,607	25,886
292-662.001-726.001	SUPPLIES - OFFICE	120	250	800	100
292-662.001-801.050	SERVICES - CONSULTANTS	4,900			
292-662.001-850.000	NON-SCHEDULED PAYMENTS	3,033	3,000	3,000	49,975
292-662.001-850.370	OPERATING - WIRELESS	560	600	600	600
292-662.001-850.910	OPERATING - TRAVEL	1,276	2,000	2,000	2,000
292-662.004-801.100	SERVICES - CONTRACTUAL		20,000	20,000	
	TOTAL APPROPRIATIONS	191,212	222,681	223,858	634,597
	NET OF REVENUES/APPROPRIATIONS - FUND 292	54,463	319	(258)	(59,754)
	BEGINNING FUND BALANCE	5,548	60,012	60,012	59,754
	ENDING FUND BALANCE	60,011	60,331	59,754	

2025 BUDGET
IONIA COUNTY ROAD DEPARTMENT
REVENUE & EXPENSE SUMMARY
Fund 201

Account Description	Actual 2023	Original Budget 2024	Projected 2024	Budget 2025
Millage Revenue	1,581,288.67	1,525,000.00	1,619,404.00	1,686,159.66
Permits	96,619.98	91,500.00	91,500.00	92,000.00
Federal Sources	1,936,407.78	2,389,263.00	2,226,000.00	-
Michigan Transportation Fund	9,906,940.48	9,800,000.00	10,150,000.00	10,400,195.15
Other State Sources	1,035,710.96	-	900,000.00	-
Local Contributions	1,371,865.33	1,175,000.00	1,700,000.00	1,525,000.00
State Trunkline Maintenance & Non Maintenance	2,201,017.34	2,500,000.00	2,500,000.00	2,600,000.00
Other Revenues	810,705.43	75,000.00	292,000.00	169,049.24
Insurance /Accident Recovery	576,918.28	-	31,100.00	2,000.00
Credits/Rentals/Discounts	2,862,237.55	-	2,000,000.00	2,601,000.00
TOTAL REVENUE AND OTHER SOURCES	22,379,711.80	17,555,763.00	21,510,004.00	19,075,404.05
Labor	5,956,577.17	-	3,060,000.00	3,000,000.00
Fringes (FICA)	188,214.13	-	218,790.00	189,400.00
Benefits	3,272,684.15	-	3,310,000.00	3,520,000.00
Workers Compensation	244,641.84	-	180,000.00	260,000.00
DOT Testing	2,706.96	-	2,500.00	7,000.00
Services	5,857.00	-	-	7,000.00
Repairs - Vehicles	452,485.42	-	422,000.00	450,000.00
Repairs	17,737.47	-	78,000.00	136,800.00
Fuel & Lubricants	387,692.19	-	462,000.00	400,000.00
Utilities	66,619.00	-	77,000.00	78,000.00
Information technology	13,354.42	-	30,000.00	25,000.00
General Supplies	31,348.47	-	36,500.00	40,000.00
Tools & Garage Supplies	154,960.29	-	140,000.00	200,000.00
Misc. Expenses	2,034.71	-	80,000.00	323,934.00
Insurance	72,900.78	-	78,000.00	80,000.00
Training & Meeting Expenses	19,847.07	-	20,000.00	20,000.00
Contractual Services	7,701,575.43	-	6,619,485.00	5,965,400.00
Equipment (Capital Outlay)	1,806,052.36	-	2,719,000.00	2,040,000.00
Materials	1,002,922.62	-	700,000.00	605,000.00
Notes & Bonds	127,177.96	-	125,100.00	-
Credits/Rentals	(628,228.54)	-	2,000,000.00	2,000,000.00
Depreciation	569,277.84	-	600,000.00	600,000.00
Budgeted Expenses 2024		21,474,201.00		
TOTAL EXPENDITURES AND OTHER USES	21,468,438.74	21,474,201.00	20,958,375.00	19,947,534.00
Check	-	-	-	-
Net Revenue/Appropriations	911,273.06	(3,918,438.00)	551,629.00	(872,129.95)
Beginning Fund Balance	7,112,713.99	8,023,987.05	8,023,987.05	8,575,616.05
Ending Fund Balance	8,023,987.05	4,105,549.05	8,575,616.05	7,703,486.10
Assigned Fund Balance (Building Improvement)	243,200.00	450,000.00	450,000.00	450,000.00
Unassigned Fund Balance	**7,780,787.05**	**3,655,549.05**	**8,125,616.05**	**7,253,486.10**

IONIA COUNTY PROJECTED CAPITAL OUTLAY
ROAD DEPARTMENT

Rank	Description		2025	2026	2027	2028	2029
1	Two Dump Trucks -2024 Carry Over		620,000.00				
2	Refurbished 1 Dumb Truck		165,000.00				
3	Refurbished 1 Dumb Truck			165,000.00			
4	Hi- Lo		10,000.00				
5	Excavator with Fecon Head		375,000.00				
6	Skid Steer		110,000.00				
7	Loader			410,000.00			
8	Motor Grader 2015 #575				400,000.00		
9	Shop Service Truck		150,000.00				
10	Tractors/Mowers				320,000.00		
11	Van/pick up Truck		140,000.00				
12	Misc equipment - small tools		120,000.00				
13	Dump Trucks			310,000.00	31,000.00	31,000.00	31,000.00
14	Bucket Tree Truck		350,000.00				
		Total	2,040,000.00	885,000.00	751,000.00	31,000.00	31,000.00

FUND 284: OPIOID SETTLEMENT FUND

This fund is established to manage and allocate resources from settlements related to opioid litigation. The fund is dedicated to addressing the impact of the opioid crisis through a range of initiatives. This includes supporting programs for substance abuse treatment and prevention, enhancing community health services, funding educational campaigns on addiction, and providing resources for affected individuals and families. The goal of Fund 284 is to mitigate the long-term effects of the opioid epidemic and support recovery and rehabilitation efforts within the community.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
284-000.000-664.001	INVESTMENT INTEREST			7,000	5,000
284-000.000-688.001	OPIOIDS SPECIAL REVENUE	397,272		507,480	300,000
	TOTAL ESTIMATED REVENUES	397,272		514,480	305,000
	APPROPRIATIONS				
284-000.000-801.000	PROFESSIONAL & CONTRACTUAL SERVICES				300,000
284-000.000-801.000-HMOPIOID	PROFESSIONAL & CONTRACTUAL SERVICES			25,632	
284-000.000-801.000-RDOPIOID	PROFESSIONAL & CONTRACTUAL SERVICES			75,099	
TOTAL APPROPRIATIONS				100,731	300,000
	NET OF REVENUES/APPROPRIATIONS - FUND 284	397,272		413,749	5,000
	BEGINNING FUND BALANCE		397,272	397,272	811,021
	ENDING FUND BALANCE	397,272	397,272	811,021	816,021

FUND 273: COMMISSION ON AGING

This fund is dedicated to supporting the Commission on Aging, which serves as an advocate and resource for older adults in the community. The fund finances programs and services designed to enhance the quality of life for seniors, promoting independence, health, and well-being. Through Fund 273, the Commission on Aging provides access to essential services such as nutrition programs, transportation, social activities, and health-related assistance. These efforts ensure that aging residents have the support they need to live with dignity and remain active members of the community.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
273-000.000-664.001	INVESTMENT INTEREST			58,000	45,000
273-672.000-688.101	APPROPRIATION - GENERAL FUND		68,649	68,649	64,377
273-672.002-401.003	PROPERTY TAX - SENIOR MILLAGE	184,440	195,000	195,000	152,469
273-672.002-501.000	FEDERAL GRANTS	22,661	21,253	26,253	29,750
273-672.002-539.270	MDOT GRANT - OPERATING (COA)	97,144	25,178	36,928	36,928
273-672.002-539.271	MDOT GRANT - EQUIPMENT (COA)		30,000	93,839	206,641
273-672.002-600.440	MEDICAID WAIVER	1,053	500	1,657	3,500
273-672.002-671.301	FUNDRAISING	988	1,500	1,500	500
273-672.002-671.303	FARES - PAID BY CLIENT	10,836	10,000	10,000	15,500
273-672.002-671.311	CANCER FUND - MDOT DRIVERS		2,000	2,000	1,000
273-672.002-675.001	OTHER GRANT FUNDING	2,790	5,500	5,500	5,500
273-672.003-401.003	PROPERTY TAX - SENIOR MILLAGE	75,782	33,281	33,281	
273-672.003-501.000	FEDERAL GRANTS		5,000	5,000	
273-672.003-671.300	CONTRIBUTIONS & DONATIONS	6,813	10,000	10,000	1,200
273-672.003-671.400	REIMBURSEMENTS	12,000			
273-672.004-671.301	FUNDRAISING	17,346	15,000	15,000	20,000
273-672.004-671.306	MEMORIALS	3,330	5,000	5,000	3,500
273-672.101-401.003	PROPERTY TAX - SENIOR MILLAGE	17,000	30,000	30,000	15,479
273-672.101-671.300	CONTRIBUTIONS & DONATIONS	1,949	1,681	1,681	2,283
273-672.102-401.003	PROPERTY TAX - SENIOR MILLAGE	8,500	7,540	7,540	7,033
273-672.102-501.000	FEDERAL GRANTS	3,785	3,751	3,751	5,250
273-672.102-671.300	CONTRIBUTIONS & DONATIONS	440	500	500	250
273-672.103-401.003	PROPERTY TAX - SENIOR MILLAGE	170,000	125,271	125,271	150,742
273-672.103-501.000	FEDERAL GRANTS	7,500	15,000	15,000	15,000
273-672.103-539.000	STATE GRANTS	50,565	40,011	51,447	45,000
273-672.103-671.300	CONTRIBUTIONS & DONATIONS	16,715	15,524	15,524	17,500
273-672.104-401.003	PROPERTY TAX - SENIOR MILLAGE	42,000	101,667	101,667	97,468
273-672.104-501.000	FEDERAL GRANTS	1,173	15,000	18,002	5,250
273-672.104-539.000	STATE GRANTS	32,917	17,002	23,337	29,750
273-672.104-600.216	COST SHARE	6,286	5,452	5,452	6,350

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
273-672.104-671.300	CONTRIBUTIONS & DONATIONS	141	100	183	500
273-672.105-401.003	PROPERTY TAX - SENIOR MILLAGE	77,433	82,258	82,258	73,593
273-672.105-501.000	FEDERAL GRANTS	25,383	26,928	26,928	11,719
273-672.105-671.300	CONTRIBUTIONS & DONATIONS	6,436	6,498	6,498	250
273-672.106-401.003	PROPERTY TAX - SENIOR MILLAGE	81,358	90,065	90,065	79,171
273-672.106-671.300	CONTRIBUTIONS & DONATIONS	112	50	60	
273-672.106-675.002	OTHER REVENUE - STIPEND			1,000	
273-672.108-401.003	PROPERTY TAX - SENIOR MILLAGE	9,285		6,400	7,608
273-672.108-671.300	CONTRIBUTIONS & DONATIONS	2,500	3,185	3,185	1,000
273-672.110-401.003	PROPERTY TAX - SENIOR MILLAGE				29,724
273-672.110-501.000	FEDERAL GRANTS				15,876
273-672.110-671.300	CONTRIBUTIONS & DONATIONS				7,000
273-672.201-401.003	PROPERTY TAX - SENIOR MILLAGE	7,000	11,799	11,799	30,667
273-672.201-501.000	FEDERAL GRANTS	25,364	24,633	24,633	24,633
273-672.201-671.300	CONTRIBUTIONS & DONATIONS	358		59	
273-672.203-401.003	PROPERTY TAX - SENIOR MILLAGE	30,000	25,274	25,274	35,254
273-672.203-501.000	FEDERAL GRANTS	38,046	36,950	36,950	36,950
273-672.203-501.002	NSIP		4,942	4,942	3,760
273-672.203-671.300	CONTRIBUTIONS & DONATIONS	19,292	20,800	20,800	18,550
273-672.301-401.003	PROPERTY TAX - SENIOR MILLAGE	61,274	74,229	74,229	121,886
273-672.301-501.000	FEDERAL GRANTS	91,207	114,002	114,002	100,229
273-672.301-501.002	NSIP	60,926	49,000	32,592	33,843
273-672.301-539.000	STATE GRANTS	34,257	24,800	31,783	42,955
273-672.301-600.440	MEDICAID WAIVER	18,696	15,550	15,550	15,550
273-672.301-671.300	CONTRIBUTIONS & DONATIONS	62,824	48,299	48,299	65,000
273-672.301-671.301	FUNDRAISING	1,321	5,000	5,000	2,000
273-672.301-671.302	UNITED WAY		200	200	150
273-672.301-671.313	CANCER FUND - MEALS		2,000	2,000	6,000
273-672.301-671.314	BAYER GRANT FOR MEALS ON WHEELS	5,000		5,000	
273-672.302-401.003	PROPERTY TAX - SENIOR MILLAGE	64,747	72,047	72,047	78,000
273-672.302-501.000	FEDERAL GRANTS	25,842	32,301	32,301	31,984
273-672.302-539.000	STATE GRANTS	25,417	18,400	18,400	13,707
273-672.303-401.003	PROPERTY TAX - SENIOR MILLAGE	120,000	102,119	102,119	113,669
273-672.303-501.000	FEDERAL GRANTS	25,842	32,301	32,301	46,611
273-672.303-539.000	STATE GRANTS	25,417	18,400	18,400	19,976
273-672.304-401.003	PROPERTY TAX - SENIOR MILLAGE		1,539	1,539	24,823
273-672.304-501.000	FEDERAL GRANTS	9,121	11,400	11,400	10,179
273-672.304-539.000	STATE GRANTS	25,417	18,400	18,400	4,362
	TOTAL ESTIMATED REVENUES	1,774,029	1,779,729	1,943,375	2,090,399

APPROPRIATIONS

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
273-672.000-960.000	INDIRECT COST ALLOCATION	253,493	208,649	208,649	202,542
273-672.002-701.010	WAGES - CLASSIFIED, MANAGEMENT	15,752	15,651	15,651	15,975
273-672.002-701.020	WAGES - CLASSIFIED, SUPPORT	150,954	183,638	183,638	202,100
273-672.002-715.001	BENEFITS - FICA	12,563	15,246	15,246	16,750
273-672.002-715.100	BENEFITS - HEALTH INSURANCE	12,445	23,399	23,399	22,650
273-672.002-715.270	BENEFITS - HSA EMPLOYER	10	10	1,140	1,140
273-672.002-715.275	BENEFITS - LIFE INSURANCE	21	25	500	570
273-672.002-715.500	BENEFITS - WORKERS COMP	5,370	3,934	5,300	5,370
273-672.002-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	4,331	4,929	4,929	4,830
273-672.002-726.001	SUPPLIES - OFFICE	175	500	500	50
273-672.002-726.900	SUPPLIES - VEHICLE	268	4,500	5,510	50
273-672.002-726.910	SUPPLIES - GASOLINE	14,155	13,030	13,030	18,000
273-672.002-801.430	SERVICES - SOFTWARE SUPPORT			3,555	2,355
273-672.002-801.900	SERVICES - VEHICLE MAINTENANCE	7,041	4,450	6,739	7,000
273-672.002-850.006	OPERATING - LICENSE FEE	211	50	50	150
273-672.002-850.007	OPERATING - FUNDRAISING	167	250	250	100
273-672.002-850.153	OPERATING - TRAINING	1,490	2,750	2,750	2,750
273-672.002-850.199	OPERATING - MEMBERSHIPS	100	100	100	100
273-672.002-850.370	OPERATING - WIRELESS	5,094	5,000	5,000	5,114
273-672.002-850.910	OPERATING - TRAVEL	1,226	2,750	2,750	2,750
273-672.002-970.430	CAPITAL - IT SOFTWARE		1,895	1,895	
273-672.002-970.470	CAPITAL - IT HARDWARE		25,000	25,000	6,300
273-672.002-970.900	CAPITAL - VEHICLES	62,711			200,341
273-672.003-726.001	SUPPLIES - OFFICE	1,950	2,211	2,211	2,000
273-672.003-726.800	SUPPLIES - BUILDING MAINTENANCE		150	150	
273-672.003-801.002	SERVICES - PRINTING	14,297	14,306	14,306	14,306
273-672.003-801.050	SERVICES - CONSULTANTS	3,930		2,500	25,000
273-672.003-801.800	SERVICES - BUILDING MAINTENANCE		500	500	
273-672.003-850.001	OPERATING - POSTAGE	16,868	3,000	3,000	11,294
273-672.003-850.002	OPERATING - ADVERTISING	3,543	3,889	3,889	1,000
273-672.003-850.199	OPERATING - MEMBERSHIPS	300	300	300	150
273-672.003-850.301	OPERATING - TELEPHONE	50	50	50	50
273-672.003-955.990	OTHER - MISCELLANEOUS	14,203	23,875	23,875	10,000
273-672.003-970.470	CAPITAL - IT HARDWARE				15,000
273-672.003-970.800	CAPITAL - BUILDING EQUIPMENT			5,610	
273-672.003-970.820	CAPITAL - FACILITY IMPROVEMENTS		575,000		615,250
273-672.003-970.900	CAPITAL - VEHICLES	7,600		75,169	
273-672.004-726.001	SUPPLIES - OFFICE	12			100
273-672.004-726.702	SUPPLIES - FOOD	3,226	200	200	3,250
273-672.004-850.002	OPERATING - ADVERTISING	1,932	3,000	3,000	3,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
273-672.004-850.007	OPERATING - FUNDRAISING	1,140	2,000	2,800	3,000
273-672.004-850.820	OPERATING - RENT/LEASE		1,000	1,000	250
273-672.101-701.010	WAGES - CLASSIFIED, MANAGEMENT	5,118	5,797	5,797	2,800
273-672.101-701.020	WAGES - CLASSIFIED, SUPPORT	9,150	33,511	33,511	10,780
273-672.101-715.001	BENEFITS - FICA	1,065	3,007	3,007	1,040
273-672.101-715.100	BENEFITS - HEALTH INSURANCE	344	451	451	440
273-672.101-715.270	BENEFITS - HSA EMPLOYER		5	5	30
273-672.101-715.275	BENEFITS - LIFE INSURANCE	6	6	80	96
273-672.101-715.500	BENEFITS - WORKERS COMP	310	1,377	1,377	348
273-672.101-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	466	215	215	410
273-672.101-726.600	SUPPLIES - MEDICAL		75	75	75
273-672.101-850.153	OPERATING - TRAINING		250	250	200
273-672.101-850.910	OPERATING - TRAVEL	1,423	1,299	1,299	1,526
273-672.102-701.020	WAGES - CLASSIFIED, SUPPORT	6,079	5,313	5,313	5,650
273-672.102-715.001	BENEFITS - FICA	444	406	406	450
273-672.102-715.100	BENEFITS - HEALTH INSURANCE	1,513	3,269	3,269	3,175
273-672.102-715.270	BENEFITS - HSA EMPLOYER			150	150
273-672.102-715.275	BENEFITS - LIFE INSURANCE	3	3	60	61
273-672.102-715.500	BENEFITS - WORKERS COMP	18	28	28	17
273-672.102-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	263		270	285
273-672.102-801.900	SERVICES - VEHICLE MAINTENANCE		150	150	50
273-672.102-850.006	OPERATING - LICENSE FEE	35			50
273-672.102-850.153	OPERATING - TRAINING	25	122	122	
273-672.102-850.911	OPERATING - TRAVEL, VOLUNTEERS	2,645	2,500	2,500	2,500
273-672.103-701.010	WAGES - CLASSIFIED, MANAGEMENT	17,943	26,084	26,084	26,400
273-672.103-701.020	WAGES - CLASSIFIED, SUPPORT	154,173	131,732	131,732	149,450
273-672.103-715.001	BENEFITS - FICA	12,787	12,073	12,073	13,450
273-672.103-715.100	BENEFITS - HEALTH INSURANCE	12,537	9,468	9,468	11,350
273-672.103-715.270	BENEFITS - HSA EMPLOYER		105	105	780
273-672.103-715.275	BENEFITS - LIFE INSURANCE	66	56	56	1,342
273-672.103-715.500	BENEFITS - WORKERS COMP	4,358	2,171	2,171	4,848
273-672.103-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	4,442	5,152	5,152	4,550
273-672.103-726.001	SUPPLIES - OFFICE		50		50
273-672.103-850.153	OPERATING - TRAINING	75	250	250	150
273-672.103-850.370	OPERATING - WIRELESS	188	250	250	750
273-672.103-850.910	OPERATING - TRAVEL	12,378	11,365	11,365	14,582
273-672.103-850.911	OPERATING - TRAVEL, VOLUNTEERS		50	50	
273-672.104-701.010	WAGES - CLASSIFIED, MANAGEMENT	17,942	26,084	26,084	26,350
273-672.104-701.020	WAGES - CLASSIFIED, SUPPORT	50,325	125,183	125,183	81,890
273-672.104-715.001	BENEFITS - FICA	5,031	11,572	11,572	8,290
273-672.104-715.100	BENEFITS - HEALTH INSURANCE	4,111	8,115	8,115	6,550

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
273-672.104-715.270	BENEFITS - HSA EMPLOYER		90	389	450
273-672.104-715.275	BENEFITS - LIFE INSURANCE	25	55	565	870
273-672.104-715.500	BENEFITS - WORKERS COMP	1,120	1,568	1,568	2,002
273-672.104-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	1,325	4,336	4,336	3,200
273-672.104-726.001	SUPPLIES - OFFICE		50	50	
273-672.104-850.153	OPERATING - TRAINING	75	250	250	502
273-672.104-850.370	OPERATING - WIRELESS	188	250	250	266
273-672.104-850.910	OPERATING - TRAVEL	4,516	3,877	3,877	8,638
273-672.105-701.010	WAGES - CLASSIFIED, MANAGEMENT	12,696	15,651	15,651	14,765
273-672.105-701.020	WAGES - CLASSIFIED, SUPPORT	74,970	78,092	78,092	39,150
273-672.105-715.001	BENEFITS - FICA	6,639	7,171	7,171	4,150
273-672.105-715.100	BENEFITS - HEALTH INSURANCE	4,772	5,771	5,771	2,270
273-672.105-715.270	BENEFITS - HSA EMPLOYER	20	20	330	150
273-672.105-715.275	BENEFITS - LIFE INSURANCE	28	35	570	270
273-672.105-715.500	BENEFITS - WORKERS COMP	1,656	634	1,500	1,958
273-672.105-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	1,907	1,581	3,496	1,175
273-672.105-726.001	SUPPLIES - OFFICE	45	100	100	100
273-672.105-850.002	OPERATING - ADVERTISING			517	500
273-672.105-850.153	OPERATING - TRAINING	434	250	250	100
273-672.105-850.180	OPERATING - SUBSCRIPTIONS	451	250	250	
273-672.105-850.199	OPERATING - MEMBERSHIPS		100	100	25
273-672.105-850.811	OPERATING - UTILITIES, ELECTRIC	5,977	6,129	6,129	3,822
273-672.105-850.812	OPERATING - UTILITIES, GAS & FUEL OIL	1,999	2,000	2,000	1,367
273-672.105-850.910	OPERATING - TRAVEL	1,060	1,500	1,500	150
273-672.105-850.911	OPERATING - TRAVEL, VOLUNTEERS				15,500
273-672.105-955.990	OTHER - MISCELLANEOUS	3,617	1,400	1,400	
273-672.106-701.010	WAGES - CLASSIFIED, MANAGEMENT	3,413			10,775
273-672.106-701.020	WAGES - CLASSIFIED, SUPPORT	61,751	64,992	64,992	47,560
273-672.106-715.001	BENEFITS - FICA	4,847	4,972	4,972	4,475
273-672.106-715.100	BENEFITS - HEALTH INSURANCE	8,468	9,738	9,738	7,025
273-672.106-715.270	BENEFITS - HSA EMPLOYER	40	40	600	444
273-672.106-715.275	BENEFITS - LIFE INSURANCE	15	14	280	273
273-672.106-715.500	BENEFITS - WORKERS COMP	183	499	499	310
273-672.106-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,092	2,260	2,260	2,027
273-672.106-726.001	SUPPLIES - OFFICE	12	100	100	
273-672.106-850.910	OPERATING - TRAVEL	5,146	7,500	7,500	5,957
273-672.108-701.010	WAGES - CLASSIFIED, MANAGEMENT	7,311		9,709	6,790
273-672.108-701.020	WAGES - CLASSIFIED, SUPPORT	77		393	
273-672.108-715.001	BENEFITS - FICA	517		750	520
273-672.108-715.100	BENEFITS - HEALTH INSURANCE	305		416	440
273-672.108-715.270	BENEFITS - HSA EMPLOYER			30	30

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
273-672.108-715.275	BENEFITS - LIFE INSURANCE	3		100	101
273-672.108-715.500	BENEFITS - FICA	21		50	50
273-672.108-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	217		500	340
273-672.108-850.153	OPERATING - TRAINING	69	2,500	2,500	100
273-672.108-850.199	OPERATING - MEMBERSHIPS	470	185	185	150
273-672.108-850.910	OPERATING - TRAVEL	55	500	500	150
273-672.110-701.010	WAGES - CLASSIFIED, MANAGEMENT				3,992
273-672.110-701.020	WAGES - CLASSIFIED, SUPPORT				35,700
273-672.110-715.001	BENEFITS - FICA				3,036
273-672.110-715.100	BENEFITS - HEALTH INSURANCE				440
273-672.110-715.270	BENEFITS - HSA EMPLOYER				30
273-672.110-715.275	BENEFITS - LIFE INSURANCE				436
273-672.110-715.500	BENEFITS - WORKERS COMP				50
273-672.110-715.801	BENEFITS - RETIREMENT, COUNTY PLAN				1,985
273-672.110-850.002	OPERATING - ADVERTISING				150
273-672.110-850.153	OPERATING - TRAINING				100
273-672.110-850.180	OPERATING - SUBSCRIPTIONS				175
273-672.110-850.811	OPERATING - UTILITIES, ELECTRIC				3,822
273-672.110-850.812	OPERATING - UTILITIES, GAS & FUEL OIL				1,367
273-672.110-850.820	OPERATING - RENT/LEASE				50
273-672.110-850.910	OPERATING - TRAVEL				1,200
273-672.110-955.990	OTHER - MISCELLANEOUS				50
273-672.201-701.010	WAGES - CLASSIFIED, MANAGEMENT	19,140	19,937	19,937	21,940
273-672.201-701.020	WAGES - CLASSIFIED, SUPPORT	4,049	5,240	5,240	15,690
273-672.201-701.097	WAGES - PAID TIME OUT	1,001			
273-672.201-715.001	BENEFITS - FICA	1,664	1,926	1,926	2,890
273-672.201-715.100	BENEFITS - HEALTH INSURANCE	6,109	6,672	6,672	10,480
273-672.201-715.270	BENEFITS - HSA EMPLOYER	5	30	845	660
273-672.201-715.275	BENEFITS - LIFE INSURANCE	9	9	340	340
273-672.201-715.500	BENEFITS - WORKERS COMP	280	192	350	370
273-672.201-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	1,670	2,226	2,226	2,240
273-672.201-726.001	SUPPLIES - OFFICE	9			
273-672.201-850.153	OPERATING - TRAINING		50	50	50
273-672.201-850.910	OPERATING - TRAVEL	483	150	150	150
273-672.203-701.020	WAGES - CLASSIFIED, SUPPORT	53,852	46,477	46,477	44,590
273-672.203-715.001	BENEFITS - FICA	3,927	3,555	3,555	3,450
273-672.203-715.100	BENEFITS - HEALTH INSURANCE	4,592	902	3,800	3,900
273-672.203-715.270	BENEFITS - HSA EMPLOYER	90	20	1,140	180
273-672.203-715.275	BENEFITS - LIFE INSURANCE	14	5	80	80
273-672.203-715.500	BENEFITS - WORKERS COMP	1,357	599	1,357	1,457
273-672.203-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	1,390	1,511	1,511	1,091

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
273-672.203-726.001	SUPPLIES - OFFICE	172	150		50
273-672.203-726.701	SUPPLIES - KITCHEN	8,021	15,000	15,000	7,108
273-672.203-726.702	SUPPLIES - FOOD	29,707	25,000	25,000	30,005
273-672.203-801.005	SERVICES - EQUIPMENT MAINTENANCE	473	150	150	200
273-672.203-850.006	OPERATING - LICENSE FEE	985	1,200	1,200	1,200
273-672.203-850.820	OPERATING - RENT/LEASE	675	1,200	1,200	500
273-672.203-850.910	OPERATING - TRAVEL	2,496	1,200	1,200	581
273-672.301-701.020	WAGES - CLASSIFIED, SUPPORT	68,019	101,234	101,234	100,750
273-672.301-715.001	BENEFITS - FICA	4,983	7,744	7,744	7,710
273-672.301-715.100	BENEFITS - HEALTH INSURANCE	7,933	8,115	8,115	34,560
273-672.301-715.270	BENEFITS - HSA EMPLOYER	10	180	660	1,620
273-672.301-715.275	BENEFITS - LIFE INSURANCE	22	42	721	721
273-672.301-715.500	BENEFITS - WORKERS COMP	2,225	1,115	1,115	2,776
273-672.301-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,395	4,098	4,098	3,980
273-672.301-726.701	SUPPLIES - KITCHEN	34,574	24,000	24,000	29,680
273-672.301-726.702	SUPPLIES - FOOD	180,973	170,000	170,000	180,326
273-672.301-801.005	SERVICES - EQUIPMENT MAINTENANCE	3,443	3,500	3,500	3,500
273-672.301-801.704	SERVICES - LAUNDRY	2,647	2,500	2,500	3,000
273-672.301-801.800	SERVICES - BUILDING MAINTENANCE	711	500	500	500
273-672.301-850.006	OPERATING - LICENSE FEE	252	300	300	450
273-672.301-850.007	OPERATING - FUNDRAISING	893	1,500	1,500	500
273-672.301-850.153	OPERATING - TRAINING		150	150	150
273-672.301-850.810	OPERATING - UTILITIES, WATER & SEWER	2,463	3,000	3,000	5,150
273-672.301-850.811	OPERATING - UTILITIES, ELECTRIC	5,977	6,000	6,000	7,650
273-672.301-850.812	OPERATING - UTILITIES, GAS & FUEL OIL	1,999	2,500	2,500	2,750
273-672.301-850.910	OPERATING - TRAVEL	76	150	150	150
273-672.301-970.701	CAPITAL - KITCHEN EQUIPMENT			699	
273-672.302-701.010	WAGES - CLASSIFIED, MANAGEMENT	63,719	66,072	66,072	61,810
273-672.302-701.020	WAGES - CLASSIFIED, SUPPORT	16,336	18,741	18,741	23,010
273-672.302-715.001	BENEFITS - FICA	5,833	6,488	6,488	6,490
273-672.302-715.100	BENEFITS - HEALTH INSURANCE	17,298	18,755	18,755	17,930
273-672.302-715.270	BENEFITS - HSA EMPLOYER	5	80	715	1,134
273-672.302-715.275	BENEFITS - LIFE INSURANCE	26	26	680	680
273-672.302-715.500	BENEFITS - WORKERS COMP	873	598	1,042	1,042
273-672.302-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	5,260	6,928	6,928	5,160
273-672.302-801.430	SERVICES - SOFTWARE SUPPORT	2,745	2,435	2,435	2,435
273-672.302-850.153	OPERATING - TRAINING		50		50
273-672.302-850.199	OPERATING - MEMBERSHIPS	2,693	2,500	2,554	3,000
273-672.302-850.910	OPERATING - TRAVEL	20	75	75	100
273-672.303-701.020	WAGES - CLASSIFIED, SUPPORT	121,612	138,054	138,054	130,260
273-672.303-715.001	BENEFITS - FICA	9,206	10,561	10,561	9,970

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
273-672.303-715.100	BENEFITS - HEALTH INSURANCE	1,513	3,269	3,269	3,165
273-672.303-715.270	BENEFITS - HSA EMPLOYER			150	150
273-672.303-715.275	BENEFITS - LIFE INSURANCE	2	3	61	61
273-672.303-715.500	BENEFITS - WORKERS COMP	5,421	4,274	4,274	4,240
273-672.303-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	3,535	6,305	6,305	3,950
273-672.303-726.701	SUPPLIES - KITCHEN	302			
273-672.303-726.900	SUPPLIES - VEHICLE	496	500	699	500
273-672.303-726.910	SUPPLIES - GASOLINE	14,110	11,250	11,250	17,500
273-672.303-801.001	SERVICES - OFFICE EQUIPMENT			339	
273-672.303-801.005	SERVICES - EQUIPMENT MAINTENANCE	1,628	2,250	2,250	1,500
273-672.303-801.900	SERVICES - VEHICLE MAINTENANCE	8,547	4,000	13,542	7,000
273-672.303-850.199	OPERATING - MEMBERSHIPS		200	200	
273-672.303-850.370	OPERATING - WIRELESS	1,392	1,250	1,250	1,500
273-672.303-850.910	OPERATING - TRAVEL	100	150	150	500
273-672.304-701.020	WAGES - CLASSIFIED, SUPPORT	18,175	24,250	24,250	28,875
273-672.304-715.001	BENEFITS - FICA	1,334	1,855	1,855	2,210
273-672.304-715.100	BENEFITS - HEALTH INSURANCE	3,391	3,967	3,967	4,032
273-672.304-715.270	BENEFITS - HSA EMPLOYER	20	20	240	252
273-672.304-715.275	BENEFITS - LIFE INSURANCE	4	5	90	90
273-672.304-715.500	BENEFITS - WORKERS COMP	50	162	162	155
273-672.304-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	351	434	434	415
273-672.304-850.910	OPERATING - TRAVEL	1,695	2,000	2,000	3,142
	TOTAL APPROPRIATIONS	1,929,880	2,604,777	2,162,101	2,920,465
NET OF REVENUES/APPROPRIATIONS - FUND 273		(155,851)	(825,048)	(218,726)	(830,066)
	BEGINNING FUND BALANCE	1,718,699	1,562,846	1,562,846	1,344,120
	ENDING FUND BALANCE	1,562,848	737,798	1,344,120	514,054

FUND 215: FRIEND OF COURT

This fund is established to support the operations and services provided by the Friend of the Court. This fund finances a range of activities, including the enforcement of court orders related to child support, custody, and parenting time. It also supports mediation services, investigations, and the administration of programs designed to assist families in resolving disputes. Fund 215 is essential in ensuring that the Friend of the Court can fulfill its mission of protecting the welfare of children and promoting the fair and efficient administration of family law.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
215-000.000-664.001	INVESTMENT INTEREST			1,000	1,200
215-141.000-539.104	COOPERATIVE REIMBURSEMENT PROGRAM	495,538	800,000	735,588	732,550
215-141.000-539.110	INCENTIVE PAYMENTS	110,259	99,100		
215-141.000-600.100	COURT COSTS	6,152	6,200	6,200	6,200
215-141.000-600.102	FAMILY COUNSELING	4,845	5,750	5,750	5,445
215-141.000-600.103	JUDGEMENT FEE	23,840	24,300	24,300	24,000
215-141.000-600.104	IV-D JUDGEMENT FEE SUPPORT MODIFICATIONS	1,840	2,000	2,000	2,000
215-141.000-600.200	FEES	46,783	48,500	48,500	45,000
215-141.000-600.220	CUSTODY INVESTIGATION FEE		600	600	600
215-141.000-600.221	DRIVER LICENSE CLEARANCE FEE	60	60	60	60
215-141.000-671.000	OTHER REVENUE		86,000		
215-141.000-671.400	REIMBURSEMENTS	21			
215-141.000-699.101	TRANSFER IN - GENERAL FUND	225,277	130,000	239,779	242,116
215-141.002-539.000	STATE GRANTS	94,868			
	TOTAL ESTIMATED REVENUES	1,009,483	1,202,510	1,063,777	1,059,171
	APPROPRIATIONS				
215-137.002-701.051	WAGES - UNION, DEPUTIES	118			
215-137.002-715.001	BENEFITS - FICA	9			
215-137.002-715.500	BENEFITS - WORKERS COMP	4			
215-141.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	84,097	84,781	84,781	97,078
215-141.000-701.020	WAGES - CLASSIFIED, SUPPORT	507,016	528,151	528,151	537,800
215-141.000-701.080	WAGES - OVERTIME				1,000
215-141.000-701.097	WAGES - PAID TIME OUT	4,187			4,353
215-141.000-715.001	BENEFITS - FICA	43,076	46,889	46,889	49,850
215-141.000-715.100	BENEFITS - HEALTH INSURANCE	130,206	138,859	138,859	159,680
215-141.000-715.270	BENEFITS - HSA EMPLOYER	(800)	700	9,000	9,000
215-141.000-715.275	BENEFITS - LIFE INSURANCE	325	304	6,225	6,490
215-141.000-715.500	BENEFITS - WORKERS COMP	2,966	3,066	3,066	1,800
215-141.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	35,665	42,201	42,201	39,000
215-141.000-726.001	SUPPLIES - OFFICE	5,313	5,250	5,250	5,250
215-141.000-726.005	SUPPLIES - EQUIPMENT	1,981	2,000	2,000	2,000
215-141.000-801.001	SERVICES - OFFICE EQUIPMENT	514	1,675	1,675	1,675
215-141.000-801.050	SERVICES - CONSULTANTS	10,391	7,000	7,000	7,000
215-141.000-850.001	OPERATING - POSTAGE	11,647	6,000	6,000	6,000
215-141.000-850.199	OPERATING - MEMBERSHIPS	405	500	500	500
215-141.000-850.301	OPERATING - TELEPHONE		250		
215-141.000-850.910	OPERATING - TRAVEL	4,467	3,000	3,000	3,250
215-141.000-960.000	INDIRECT COST ALLOCATION	118,159	179,180	179,180	178,197
	TOTAL APPROPRIATIONS	959,746	1,049,806	1,063,777	1,109,923
	NET OF REVENUES/APPROPRIATIONS - FUND 215	49,737	152,704		(50,752)
	BEGINNING FUND BALANCE	1,013	50,752	50,752	50,752
	ENDING FUND BALANCE	50,750	203,456	50,752	

FUND 221 : HEALTH DEPARTMENT

This fund supports the essential operations of the Health Department, which is responsible for safeguarding public health within the community. This fund provides financial resources for a range of critical services, including disease prevention, health education, and the promotion of healthy living standards. The Health Department's initiatives, funded through Fund 221, aim to reduce health disparities, respond to public health emergencies, and ensure access to vital health services for all residents. The allocation of this fund is strategic, supporting programs that address both immediate health concerns and long-term wellness in the community

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
221-000.000-404.000	PR ADJUSTMENTS	20,071			
221-000.000-699.000	TRANSFERS IN		163,000		
221-601.000-695.000	OTHER FINANCIAL SOURCES	3,500			
221-601.000-699.101	TRANSFER IN - GENERAL FUND	459,000			
221-601.120-699.101	TRANSFER IN - GENERAL FUND			338,382	224,845
221-601.210-539.611	STATE GRANTS - MDAG, LPHO	97,848	97,847	100,000	100,000
221-601.210-573.000	LOCAL COMMUNITY STABILIZATION SHARE		20,000	20,000	20,000
221-601.210-600.200	FEES	72,335	64,499	64,499	64,499
221-601.210-671.400	REIMBURSEMENTS	3,578			
221-601.220-539.600	STATE GRANTS - MDCH	607	1,100	1,100	1,100
221-601.220-539.631	STATE GRANTS - SOM, PROGRAM	1,599	2,400	2,400	2,400
221-601.220-600.200	FEES	9,672	12,500	12,500	12,500
221-601.250-539.622	STATE GRANTS - MDEQ, PROGRAM	1,146	1,257	1,257	1,257
221-601.250-600.200	FEES	659	1,085	1,085	1,085
221-601.260-539.622	STATE GRANTS - MDEQ, PROGRAM	1,965	1,257	1,257	1,257
221-601.260-600.200	FEES		1,085	1,085	1,085
221-601.261-539.622	STATE GRANTS - MDEQ, PROGRAM	980			
221-601.270-539.621	STATE GRANTS - MDEQ, LPHO	92,110	92,036	136,337	136,337
221-601.270-573.000	LOCAL COMMUNITY STABILIZATION SHARE	40,000	30,000	30,000	30,000
221-601.270-600.200	FEES	49,319	45,312	45,312	41,000
221-601.280-539.621	STATE GRANTS - MDEQ, LPHO	56,350	56,422	100,723	100,723
221-601.280-573.000	LOCAL COMMUNITY STABILIZATION SHARE	44,582	35,000	35,000	35,000
221-601.280-600.200	FEES	33,670	28,500	28,500	28,500
221-601.280-671.600	REFUNDS	195			
221-601.284-539.630	STATE GRANTS - SOM	2,892	5,110	15,410	5,110
221-601.288-501.000	FEDERAL GRANTS	468	1,938	1,938	1,938
221-601.288-539.622	STATE GRANTS - MDEQ, PROGRAM	68,047	84,630	84,630	84,630
221-601.288-600.200	FEES	7,442	6,000	6,000	6,000
221-601.420-539.000	STATE GRANTS	4,608		1,911	
221-601.420-671.000	OTHER REVENUE	750			
221-601.421-539.602	STATE GRANTS - MDCH, PROGRAM	24,500		2,000	
221-601.421-671.000	OTHER REVENUE	180			
221-601.424-501.644	FEDERAL GRANT - MSHN	17,122	15,000	15,000	15,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.424-539.642	STATE GRANTS - PA2	135,345	142,490	142,490	115,000
221-601.424-600.200	FEES	400	1,750	1,750	1,750
221-601.429-501.000	FEDERAL GRANTS	119,958	125,000	125,000	125,000
221-601.460-501.602	FEDERAL GRANT - MDCH	322,819	315,345	315,345	315,345
221-601.462-501.602	FEDERAL GRANT - MDCH	39,965	38,684	38,684	38,684
221-601.475-600.400	SERVICES RENDERED	9,000	12,000	12,000	
221-601.475-600.461	CHARGES - MOLINA	109	100	100	100
221-601.475-600.462	CHARGES - BCBS	18	100	100	100
221-601.475-600.463	PRIORITY HEALTH	286	100	100	300
221-601.475-600.464	CHARGES - MEDICAID		200	200	200
221-601.475-600.465	BLUE CROSS COMPLETE	227	100	100	300
221-601.475-600.466	MCLAREN	297	100	100	100
221-601.475-600.467	MERIDIAN	491	100	100	500
221-601.475-600.468	UNITED HEALTH CARE	22			100
221-601.475-600.469	DELTA DENTAL	960	100	100	1,000
221-601.476-539.602	STATE GRANTS - MDCH, PROGRAM			55,483	55,483
221-601.511-539.602	STATE GRANTS - MDCH, PROGRAM	94,688	76,200	76,200	
221-601.512-501.602	FEDERAL GRANT - MDCH	102,326			
221-601.512-539.602	STATE GRANTS - MDCH, PROGRAM		54,100	54,100	
221-601.515-501.005	FEDERAL GRANT - PH TITLE 19	56,403	40,000	40,000	
221-601.515-539.601	STATE GRANTS - MDCH, LPHO	135,613	135,613	259,768	259,768
221-601.515-600.200	FEES	183			
221-601.518-539.602	STATE GRANTS - MDCH, PROGRAM	20,002	20,000	20,000	15,000
221-601.519-539.602	STATE GRANTS - MDCH, PROGRAM	78	349	25,349	349
221-601.520-501.000	FEDERAL GRANTS	93,937	98,310	98,310	75,000
221-601.521-539.602	STATE GRANTS - MDCH, PROGRAM	7,212		152,528	176,184
221-601.525-501.005	FEDERAL GRANTS - PH TITLE 19	167,217	40,000	40,000	100,000
221-601.525-501.650	FEDERAL - VACCINE INVENTORY	111,624	80,000	80,000	90,000
221-601.525-539.602	STATE GRANTS - MDCH, PROGRAM	9,938	9,938	9,938	9,938
221-601.525-539.630	STATE GRANTS - SOM	900	4,150	4,150	4,150
221-601.525-600.200	FEES	3,385	6,500	6,500	6,500
221-601.525-600.209	ADMINISTRATION FEE	1,440	1,600	1,600	1,600
221-601.525-600.460	CHARGES - HEALTH PLANS		100	100	
221-601.525-600.461	CHARGES - MOLINA	2,571	5,000	5,000	3,000
221-601.525-600.462	CHARGES - BCBS	14,615	39,000	39,000	15,000
221-601.525-600.463	PRIORITY HEALTH	9,691	5,500	5,500	9,000
221-601.525-600.464	CHARGES - MEDICAID	1,648	3,200	3,200	2,000
221-601.525-600.465	BLUE CROSS COMPLETE	1,486	2,000	2,000	2,000
221-601.525-600.466	MCLAREN	3,188	6,000	6,000	3,000
221-601.525-600.467	MERIDIAN	3,085	7,000	7,000	3,000
221-601.525-600.468	UNITED HEALTH CARE	583	400	400	400
221-601.525-600.471	CHARGES - MEDICARE	2,027	3,000	3,000	3,000
221-601.526-501.005	FEDERAL GRANT - PH TITLE 19	32,801			
221-601.526-501.602	FEDERAL GRANT - MDCH	34,841	36,131	36,131	36,131

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.530-600.200	FEES	5	100	100	100
221-601.530-600.400	SERVICES RENDERED	3,600	1,800	1,800	1,800
221-601.530-671.000	OTHER REVENUE	5,055		15,000	
221-601.534-501.005	FEDERAL GRANTS - PH TITLE 19	241,150	60,000	60,000	100,000
221-601.534-600.461	CHARGES - MOLINA	6,777	6,000	6,000	6,000
221-601.534-600.463	PRIORITY HEALTH	9,275	13,500	13,500	13,500
221-601.534-600.464	CHARGES - MEDICAID	12,809	10,000	10,000	10,000
221-601.534-600.465	BLUE CROSS COMPLETE	5,914	4,000	4,000	4,000
221-601.534-600.466	MCLAREN	3,182	5,000	5,000	5,000
221-601.534-600.467	MERIDIAN	6,267	3,000	3,000	4,000
221-601.534-600.468	UNITED HEALTH CARE	553	3,000	3,000	3,000
221-601.536-600.200	FEES	283	600	600	600
221-601.540-501.602	FEDERAL GRANT - MDCH	20,660	20,660	20,660	20,660
221-601.540-539.600	STATE GRANTS - MDCH	28,253	28,000	28,000	28,000
221-601.540-539.602	STATE GRANTS - MDCH, PROGRAM	20,659	20,660	29,750	29,750
221-601.540-539.630	STATE GRANTS - SOM	36,547	33,000	33,000	33,000
221-601.541-501.602	FEDERAL GRANT - MDCH	4,598	2,662	2,662	
221-601.542-501.005	FEDERAL GRANT - PH TITLE 19	33,214	10,000	10,000	10,000
221-601.542-600.461	CHARGES - MOLINA	857	220	220	220
221-601.542-600.462	CHARGES - BCBS	200	30	30	30
221-601.542-600.463	PRIORITY HEALTH	1,714	750	750	750
221-601.542-600.464	CHARGES - MEDICAID	705	700	700	700
221-601.542-600.465	BLUE CROSS COMPLETE	451	170	170	170
221-601.542-600.466	MCLAREN	905	750	750	750
221-601.542-600.467	MERIDIAN	602	700	700	700
221-601.542-600.468	UNITED HEALTH CARE	221	35	35	35
221-601.544-539.600	STATE GRANTS - MDCH			5,000	12,000
221-601.545-539.601	STATE GRANTS - MDCH, LPHO	23,428	23,428	29,428	23,428
221-601.545-600.464	CHARGES - MEDICAID	4,880	8,500	8,500	8,500
221-601.550-539.601	STATE GRANTS - MDCH, LPHO	23,430	23,429	29,429	23,429
221-601.550-600.464	CHARGES - MEDICAID	7,406	6,500	6,500	6,500
221-601.560-501.602	FEDERAL GRANT - MDCH	49,742	49,740	49,740	49,740
221-601.911-501.602	FEDERAL GRANT - MDCH	109,264	117,652	123,625	117,652
	TOTAL ESTIMATED REVENUES	3,319,180	2,530,824	3,215,401	2,897,262

APPROPRIATIONS

221-000.000-960.000	INDIRECT COST ALLOCATION		296,281		
221-601.000-700.000	EXPENDITURE CONTROL		154,661	125,323	198,225
221-601.000-701.097	WAGES - PAID TIME OUT	456			
221-601.000-715.001	BENEFITS - FICA	227			
221-601.000-715.100	BENEFITS - HEALTH INSURANCE	168			
221-601.000-715.500	BENEFITS - WORKERS COMP	36			
221-601.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	44			

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.000-726.050	SUPPLIES - PROGRAM	3,503		1,250	
221-601.000-960.000	INDIRECT COST ALLOCATION	337			
221-601.000-960.120	COST ALLOCATION - PH ADMINISTRATION	165			
221-601.120-701.010	WAGES - CLASSIFIED, MANAGEMENT	91,879	89,671	84,171	96,239
221-601.120-701.020	WAGES - CLASSIFIED, SUPPORT	64,632	65,869	65,869	66,949
221-601.120-701.097	WAGES - PAID TIME OUT	2,584			
221-601.120-715.001	BENEFITS - FICA	11,150	11,899	11,899	12,484
221-601.120-715.100	BENEFITS - HEALTH INSURANCE	41,729	41,631	41,631	45,948
221-601.120-715.270	BENEFITS - HSA EMPLOYER		231	2,296	2,244
221-601.120-715.275	BENEFITS - LIFE INSURANCE	53	54	1,264	1,692
221-601.120-715.500	BENEFITS - WORKERS COMP	1,413	1,495	1,495	1,454
221-601.120-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	15,171	14,931	14,931	15,666
221-601.120-726.001	SUPPLIES - OFFICE	1,528	3,300	3,300	3,300
221-601.120-801.100	SERVICES - CONTRACTUAL		585	585	
221-601.120-801.400	SERVICES - CONTRACTUAL NETWORK SUPPORT	450	450	450	450
221-601.120-801.500	SERVICES - ATTORNEY		500	500	500
221-601.120-801.600	SERVICES - MEDICAL DOCTOR	48,773	52,200	52,200	42,384
221-601.120-850.001	OPERATING - POSTAGE	5,393	1,600	3,100	4,200
221-601.120-850.002	OPERATING - ADVERTISING		500	500	500
221-601.120-850.153	OPERATING - TRAINING		120	120	120
221-601.120-850.180	OPERATING - SUBSCRIPTIONS	159	200	200	300
221-601.120-850.199	OPERATING - MEMBERSHIPS	4,129	5,000	5,000	5,000
221-601.120-850.301	OPERATING - TELEPHONE	624	2,500	1,000	800
221-601.120-850.910	OPERATING - TRAVEL	59	550	550	550
221-601.120-850.990	OPERATING - MISCELLANEOUS		100	100	100
221-601.120-960.120	COST ALLOCATION - PH ADMINISTRATION	(292,022)		(291,161)	(300,880)
221-601.145-701.020	WAGES - CLASSIFIED, SUPPORT	250	445	445	494
221-601.145-715.001	BENEFITS - FICA	19	34	34	38
221-601.145-715.100	BENEFITS - HEALTH INSURANCE	48	81	81	91
221-601.145-715.270	BENEFITS - HSA EMPLOYER		1	1	12
221-601.145-715.275	BENEFITS - LIFE INSURANCE				5
221-601.145-715.500	BENEFITS - WORKERS COMP	1	1	1	1
221-601.145-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	25	43	43	47
221-601.145-960.000	INDIRECT COST ALLOCATION	117	203	88	62
221-601.145-960.120	COST ALLOCATION - PH ADMINISTRATION	61		92	114
221-601.200-701.020	WAGES - CLASSIFIED, SUPPORT	3,604	4,448	4,448	4,627
221-601.200-715.001	BENEFITS - FICA	236	340	340	354
221-601.200-715.100	BENEFITS - HEALTH INSURANCE	1,972	2,444	2,444	2,651
221-601.200-715.270	BENEFITS - HSA EMPLOYER		10	91	120
221-601.200-715.275	BENEFITS - LIFE INSURANCE	2	2	37	50
221-601.200-715.500	BENEFITS - WORKERS COMP	10	15	15	13
221-601.200-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	347	427	427	444
221-601.200-726.001	SUPPLIES - OFFICE	11	275	275	275
221-601.200-726.050	SUPPLIES - PROGRAM	14			

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.200-850.002	OPERATING - ADVERTISING		300	300	300
221-601.200-850.153	OPERATING - TRAINING		320	320	320
221-601.200-850.199	OPERATING - MEMBERSHIPS	50			
221-601.200-850.910	OPERATING - TRAVEL		30	30	30
221-601.200-960.000	INDIRECT COST ALLOCATION	2,188		1,133	747
221-601.200-960.120	COST ALLOCATION - PH ADMINISTRATION	1,110		1,185	1,364
221-601.200-960.200	COST ALLOCATION - PH EH SUPERVISION	(9,636)		(11,045)	(11,295)
221-601.210-701.020	WAGES - CLASSIFIED, SUPPORT	1,342	8,896	8,396	9,255
221-601.210-701.030	WAGES - CLASSIFIED, PROFESSIONAL	58,787	66,080	66,080	73,839
221-601.210-701.097	WAGES - PAID TIME OUT		1,500	1,500	
221-601.210-715.001	BENEFITS - FICA	4,226	5,736	5,736	6,357
221-601.210-715.100	BENEFITS - HEALTH INSURANCE	15,440	19,634	19,634	17,641
221-601.210-715.270	BENEFITS - HSA EMPLOYER		152	987	1,080
221-601.210-715.275	BENEFITS - LIFE INSURANCE	29	37	862	883
221-601.210-715.500	BENEFITS - WORKERS COMP	734	971	971	951
221-601.210-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	3,095	4,556	4,556	4,516
221-601.210-726.001	SUPPLIES - OFFICE		100	100	100
221-601.210-726.050	SUPPLIES - PROGRAM	221	3,300	5,453	5,400
221-601.210-801.400	SERVICES - CONTRACTUAL NETWORK SUPPORT	700	770	770	770
221-601.210-850.006	OPERATING - LICENSE FEE	5,749	5,500	5,500	6,000
221-601.210-850.153	OPERATING - TRAINING	1,670	220	920	1,000
221-601.210-850.199	OPERATING - MEMBERSHIPS	125	60	60	80
221-601.210-850.370	OPERATING - WIRELESS	560	600	600	600
221-601.210-850.910	OPERATING - TRAVEL	7,039	4,500	4,500	6,000
221-601.210-955.004	OTHER - FEE REIMBURSEMENT	307	1,080	1,080	1,000
221-601.210-955.990	OTHER - MISCELLANEOUS		450	450	
221-601.210-960.000	INDIRECT COST ALLOCATION	29,273		15,784	10,364
221-601.210-960.120	COST ALLOCATION - PH ADMINISTRATION	15,003		16,507	18,917
221-601.210-960.200	COST ALLOCATION - PH EH SUPERVISION	2,322		3,181	3,224
221-601.220-701.020	WAGES - CLASSIFIED, SUPPORT	6,792	4,448	4,948	4,627
221-601.220-701.030	WAGES - CLASSIFIED, PROFESSIONAL	11,714	13,510	12,310	13,210
221-601.220-715.001	BENEFITS - FICA	1,306	1,374	1,334	1,365
221-601.220-715.100	BENEFITS - HEALTH INSURANCE	4,440	6,029	5,729	5,850
221-601.220-715.270	BENEFITS - HSA EMPLOYER		32	200	318
221-601.220-715.275	BENEFITS - LIFE INSURANCE	8	8	166	188
221-601.220-715.500	BENEFITS - WORKERS COMP	171	208	188	182
221-601.220-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	1,291	1,230	1,230	1,340
221-601.220-726.050	SUPPLIES - PROGRAM	35	110	110	110
221-601.220-850.006	OPERATING - LICENSE FEE	530	600	600	600
221-601.220-850.153	OPERATING - TRAINING	70	160	160	160
221-601.220-850.199	OPERATING - MEMBERSHIPS		110	110	110
221-601.220-850.910	OPERATING - TRAVEL	2,577	1,800	1,800	1,800
221-601.220-850.990	OPERATING - MISCELLANEOUS		300	300	300
221-601.220-955.004	OTHER - FEE REIMBURSEMENT	220	110	110	110

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.220-960.000	INDIRECT COST ALLOCATION	9,026		3,790	2,451
221-601.220-960.120	COST ALLOCATION - PH ADMINISTRATION	4,595		3,964	4,473
221-601.220-960.200	COST ALLOCATION - PH EH SUPERVISION	711		764	762
221-601.250-701.030	WAGES - CLASSIFIED, PROFESSIONAL	129	1,244	1,844	1,332
221-601.250-715.001	BENEFITS - FICA	10	95	135	102
221-601.250-715.100	BENEFITS - HEALTH INSURANCE	18	163	263	183
221-601.250-715.275	BENEFITS - LIFE INSURANCE			25	14
221-601.250-715.500	BENEFITS - WORKERS COMP	2	18	38	17
221-601.250-850.006	OPERATING - LICENSE FEE			925	900
221-601.250-850.910	OPERATING - TRAVEL	35		300	300
221-601.250-960.000	INDIRECT COST ALLOCATION	60		335	149
221-601.250-960.120	COST ALLOCATION - PH ADMINISTRATION	28		350	272
221-601.250-960.200	COST ALLOCATION - PH EH SUPERVISION	4		67	46
221-601.260-701.030	WAGES - CLASSIFIED, PROFESSIONAL	49	1,244	1,844	1,332
221-601.260-715.001	BENEFITS - FICA	3	95	95	102
221-601.260-715.100	BENEFITS - HEALTH INSURANCE	9	163	363	183
221-601.260-715.275	BENEFITS - LIFE INSURANCE			15	14
221-601.260-715.500	BENEFITS - WORKERS COMP	1	18	18	17
221-601.260-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2			
221-601.260-850.910	OPERATING - TRAVEL				500
221-601.260-960.000	INDIRECT COST ALLOCATION	25		339	149
221-601.260-960.120	COST ALLOCATION - PH ADMINISTRATION	12		355	272
221-601.260-960.200	COST ALLOCATION - PH EH SUPERVISION	2		68	46
221-601.261-701.030	WAGES - CLASSIFIED, PROFESSIONAL	254			1,332
221-601.261-715.001	BENEFITS - FICA	18			102
221-601.261-715.100	BENEFITS - HEALTH INSURANCE	41			183
221-601.261-715.275	BENEFITS - LIFE INSURANCE			10	14
221-601.261-715.500	BENEFITS - WORKERS COMP	3			17
221-601.261-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	8			
221-601.261-850.910	OPERATING - TRAVEL	33			500
221-601.261-960.000	INDIRECT COST ALLOCATION	126			149
221-601.261-960.120	COST ALLOCATION - PH ADMINISTRATION	58			272
221-601.261-960.200	COST ALLOCATION - PH EH SUPERVISION	9			46
221-601.270-701.020	WAGES - CLASSIFIED, SUPPORT	17,977	17,347	17,347	17,121
221-601.270-701.030	WAGES - CLASSIFIED, PROFESSIONAL	60,721	47,201	47,201	61,518
221-601.270-701.097	WAGES - PAID TIME OUT	5,031	2,000	2,000	
221-601.270-715.001	BENEFITS - FICA	5,643	4,938	4,938	6,016
221-601.270-715.100	BENEFITS - HEALTH INSURANCE	22,953	24,604	24,604	25,466
221-601.270-715.270	BENEFITS - HSA EMPLOYER		127	1,582	1,404
221-601.270-715.275	BENEFITS - LIFE INSURANCE	34	31	796	824
221-601.270-715.500	BENEFITS - WORKERS COMP	818	730	730	837
221-601.270-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	4,623	4,875	4,375	5,679
221-601.270-726.050	SUPPLIES - PROGRAM	311	375	1,000	2,000
221-601.270-801.400	SERVICES - CONTRACTUAL NETWORK SUPPORT	150	165	165	165

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.270-850.006	OPERATING - LICENSE FEE		330	330	330
221-601.270-850.153	OPERATING - TRAINING	775	900	900	900
221-601.270-850.199	OPERATING - MEMBERSHIPS	80	100	100	100
221-601.270-850.370	OPERATING - WIRELESS	1,709	1,100	1,100	1,200
221-601.270-850.430	OPERATING - SOFTWARE			34,000	3,750
221-601.270-850.910	OPERATING - TRAVEL	7,290	5,500	5,500	5,500
221-601.270-850.990	OPERATING - MISCELLANEOUS		110	110	449
221-601.270-955.004	OTHER - FEE REIMBURSEMENT	743	1,800	1,800	1,800
221-601.270-960.000	INDIRECT COST ALLOCATION	41,399		15,036	10,757
221-601.270-960.120	COST ALLOCATION - PH ADMINISTRATION	21,162		15,725	19,634
221-601.270-960.200	COST ALLOCATION - PH EH SUPERVISION	3,275		3,031	3,346
221-601.280-701.020	WAGES - CLASSIFIED, SUPPORT	17,722	13,344	13,344	13,882
221-601.280-701.030	WAGES - CLASSIFIED, PROFESSIONAL	38,938	29,740	29,740	38,076
221-601.280-701.097	WAGES - PAID TIME OUT		1,100	1,100	
221-601.280-715.001	BENEFITS - FICA	4,039	3,296	3,296	3,975
221-601.280-715.100	BENEFITS - HEALTH INSURANCE	17,528	15,316	15,316	16,663
221-601.280-715.270	BENEFITS - HSA EMPLOYER		83	1,109	912
221-601.280-715.275	BENEFITS - LIFE INSURANCE	28	21	516	547
221-601.280-715.500	BENEFITS - WORKERS COMP	554	468	468	528
221-601.280-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	3,776	3,241	2,741	3,631
221-601.280-726.001	SUPPLIES - OFFICE		110	110	
221-601.280-726.050	SUPPLIES - PROGRAM	168	1,100	1,100	1,100
221-601.280-801.400	SERVICES - CONTRACTUAL NETWORK SUPPORT	150	160	160	160
221-601.280-801.602	SERVICES - LABORATORY	10,940	12,200	12,200	12,200
221-601.280-850.006	OPERATING - LICENSE FEE		330	330	330
221-601.280-850.153	OPERATING - TRAINING	195	160	160	160
221-601.280-850.180	OPERATING - SUBSCRIPTIONS		60	60	60
221-601.280-850.199	OPERATING - MEMBERSHIPS		55	55	55
221-601.280-850.370	OPERATING - WIRELESS			395	
221-601.280-850.430	OPERATING - SOFTWARE			34,000	3,750
221-601.280-850.910	OPERATING - TRAVEL	3,710	2,700	2,700	2,700
221-601.280-955.004	OTHER - FEE REIMBURSEMENT	246	400	400	400
221-601.280-960.000	INDIRECT COST ALLOCATION	28,892		9,818	7,078
221-601.280-960.120	COST ALLOCATION - PH ADMINISTRATION	14,836		10,268	12,919
221-601.280-960.200	COST ALLOCATION - PH EH SUPERVISION	2,296		1,979	2,202
221-601.284-701.010	WAGES - CLASSIFIED, MANAGEMENT		445	445	
221-601.284-701.020	WAGES - CLASSIFIED, SUPPORT	246		1,779	1,388
221-601.284-701.030	WAGES - CLASSIFIED, PROFESSIONAL	139	547	2,187	1,756
221-601.284-715.001	BENEFITS - FICA	27	76	337	240
221-601.284-715.100	BENEFITS - HEALTH INSURANCE	140	325	1,384	1,398
221-601.284-715.270	BENEFITS - HSA EMPLOYER		2	2	72
221-601.284-715.275	BENEFITS - LIFE INSURANCE			10	34
221-601.284-715.500	BENEFITS - WORKERS COMP	3	9	93	27
221-601.284-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	30	95	266	302

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.284-726.050	SUPPLIES - PROGRAM	1,075	1,500	2,300	1,500
221-601.284-801.000	PROFESSIONAL & CONTRACTUAL SERVICES	900	1,200	2,800	3,000
221-601.284-850.910	OPERATING - TRAVEL	2	100	288	600
221-601.284-960.000	INDIRECT COST ALLOCATION	211		944	472
221-601.284-960.120	COST ALLOCATION - PH ADMINISTRATION	104		987	862
221-601.284-960.200	COST ALLOCATION - PH EH SUPERVISION	16		190	147
221-601.288-701.010	WAGES - CLASSIFIED, MANAGEMENT		47,806		
221-601.288-701.020	WAGES - CLASSIFIED, SUPPORT	400			
221-601.288-701.030	WAGES - CLASSIFIED, PROFESSIONAL	27,905		47,806	41,885
221-601.288-715.001	BENEFITS - FICA	2,045	3,657	3,657	3,204
221-601.288-715.100	BENEFITS - HEALTH INSURANCE	5,190	6,436	6,436	5,932
221-601.288-715.270	BENEFITS - HSA EMPLOYER		1	326	384
221-601.288-715.275	BENEFITS - LIFE INSURANCE	11	18	383	437
221-601.288-715.500	BENEFITS - WORKERS COMP	365	651	651	550
221-601.288-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	297	52	1,052	56
221-601.288-726.050	SUPPLIES - PROGRAM		80	350	80
221-601.288-850.153	OPERATING - TRAINING	440		190	
221-601.288-850.910	OPERATING - TRAVEL	2,441	2,100	2,100	2,100
221-601.288-960.000	INDIRECT COST ALLOCATION	12,646		8,756	4,747
221-601.288-960.120	COST ALLOCATION - PH ADMINISTRATION	6,477		9,157	8,663
221-601.288-960.200	COST ALLOCATION - PH EH SUPERVISION	1,002		1,765	1,476
221-601.300-701.010	WAGES - CLASSIFIED, MANAGEMENT	14,511	13,844	13,844	16,724
221-601.300-701.020	WAGES - CLASSIFIED, SUPPORT	17,281	16,902	16,902	17,583
221-601.300-701.030	WAGES - CLASSIFIED, PROFESSIONAL	27			
221-601.300-715.001	BENEFITS - FICA	2,159	2,352	2,352	2,624
221-601.300-715.100	BENEFITS - HEALTH INSURANCE	12,717	13,199	13,199	14,497
221-601.300-715.270	BENEFITS - HSA EMPLOYER		58	718	720
221-601.300-715.275	BENEFITS - LIFE INSURANCE	14	14	329	355
221-601.300-715.500	BENEFITS - WORKERS COMP	549	744	744	616
221-601.300-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,370	2,315	2,315	2,524
221-601.300-726.001	SUPPLIES - OFFICE	122	400	400	400
221-601.300-726.050	SUPPLIES - PROGRAM	386	650	650	650
221-601.300-850.002	OPERATING - ADVERTISING		450	450	450
221-601.300-850.006	OPERATING - LICENSE FEE		70	70	70
221-601.300-850.153	OPERATING - TRAINING	30	700	620	700
221-601.300-850.199	OPERATING - MEMBERSHIPS		50	50	50
221-601.300-850.370	OPERATING - WIRELESS	432	500	500	500
221-601.300-850.430	OPERATING - SOFTWARE	10,404	9,850	9,850	9,850
221-601.300-850.910	OPERATING - TRAVEL	540	20	600	550
221-601.300-960.000	INDIRECT COST ALLOCATION	17,449		7,317	5,036
221-601.300-960.120	COST ALLOCATION - PH ADMINISTRATION	8,924		7,653	9,191
221-601.300-960.300	COST ALLOCATION - PH NURSE SUPERVISION	(88,632)		(78,563)	(83,090)
221-601.400-701.020	WAGES - CLASSIFIED, SUPPORT	3,443	3,114	3,114	3,239
221-601.400-715.001	BENEFITS - FICA	223	238	238	248

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.400-715.100	BENEFITS - HEALTH INSURANCE	1,859	1,711	1,711	1,855
221-601.400-715.270	BENEFITS - HSA EMPLOYER		7	102	84
221-601.400-715.275	BENEFITS - LIFE INSURANCE	2	2	27	35
221-601.400-715.500	BENEFITS - WORKERS COMP	10	10	10	9
221-601.400-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	328	299	299	311
221-601.400-726.001	SUPPLIES - OFFICE		110	110	110
221-601.400-960.000	INDIRECT COST ALLOCATION	2,071		799	523
221-601.400-960.120	COST ALLOCATION - PH ADMINISTRATION	1,057		835	955
221-601.400-960.400	COST ALLOCATION - PH CH SUPERVISION	(9,093)		(7,245)	(7,369)
221-601.420-726.050	SUPPLIES - PROGRAM	5,358		1,911	
221-601.421-726.050	SUPPLIES - PROGRAM			755	
221-601.421-801.050	SERVICES - CONSULTANTS	24,500			
221-601.421-801.100	SERVICES - CONTRACTUAL			185	
221-601.421-850.153	OPERATING - TRAINING			1,000	
221-601.421-850.990	OPERATING - MISCELLANEOUS			60	
221-601.424-701.010	WAGES - CLASSIFIED, MANAGEMENT	57,308	61,672		
221-601.424-701.020	WAGES - CLASSIFIED, SUPPORT	120	301	301	
221-601.424-701.030	WAGES - CLASSIFIED, PROFESSIONAL	2,970		61,672	52,071
221-601.424-701.097	WAGES - PAID TIME OUT	2,150	1,800	1,800	
221-601.424-715.001	BENEFITS - FICA	4,313	4,740	4,740	3,983
221-601.424-715.100	BENEFITS - HEALTH INSURANCE	17,028	19,553	19,553	26,507
221-601.424-715.270	BENEFITS - HSA EMPLOYER		100	986	1,200
221-601.424-715.275	BENEFITS - LIFE INSURANCE	21	23	478	530
221-601.424-715.500	BENEFITS - WORKERS COMP	2,241	3,065	3,065	144
221-601.424-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	75		4,317	2,604
221-601.424-715.820	BENEFITS - MERS, JAIL OFFICERS & CLERKS	5,316	4,317		
221-601.424-726.001	SUPPLIES - OFFICE	18			
221-601.424-726.050	SUPPLIES - PROGRAM	5,455	6,500	4,850	6,500
221-601.424-850.153	OPERATING - TRAINING	50	870	870	700
221-601.424-850.180	OPERATING - SUBSCRIPTIONS		210	336	210
221-601.424-850.199	OPERATING - MEMBERSHIPS		50	50	50
221-601.424-850.370	OPERATING - WIRELESS	432	600	600	600
221-601.424-850.910	OPERATING - TRAVEL	730	2,500	2,500	2,500
221-601.424-850.990	OPERATING - MISCELLANEOUS			2,524	
221-601.424-960.000	INDIRECT COST ALLOCATION	32,019		14,069	7,877
221-601.424-960.120	COST ALLOCATION - PH ADMINISTRATION	16,401		14,714	14,377
221-601.424-960.400	COST ALLOCATION - PH CH SUPERVISION	5,121		3,957	4,258
221-601.429-701.030	WAGES - CLASSIFIED, PROFESSIONAL	42,837	48,083	48,083	47,246
221-601.429-715.001	BENEFITS - FICA	2,907	3,678	3,678	3,614
221-601.429-715.100	BENEFITS - HEALTH INSURANCE	23,441	24,441	24,441	9,140
221-601.429-715.270	BENEFITS - HSA EMPLOYER		100	815	600
221-601.429-715.275	BENEFITS - LIFE INSURANCE	23	23	443	496
221-601.429-715.500	BENEFITS - WORKERS COMP	127	685	685	128
221-601.429-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,210	2,404	2,404	2,362

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.429-726.050	SUPPLIES - PROGRAM	2,542	1,000	22,000	5,000
221-601.429-850.153	OPERATING - TRAINING	1,546	500	1,980	500
221-601.429-850.180	OPERATING - SUBSCRIPTIONS	336		160	
221-601.429-850.199	OPERATING - MEMBERSHIPS		300	300	300
221-601.429-850.910	OPERATING - TRAVEL	1,505	2,000	2,000	2,000
221-601.429-960.000	INDIRECT COST ALLOCATION	24,822		11,694	5,755
221-601.429-960.120	COST ALLOCATION - PH ADMINISTRATION	12,720		12,230	10,503
221-601.429-960.400	COST ALLOCATION - PH CH SUPERVISION	3,972		3,289	3,111
221-601.460-701.010	WAGES - CLASSIFIED, MANAGEMENT	14,835	13,844	13,844	26,607
221-601.460-701.020	WAGES - CLASSIFIED, SUPPORT	56,719	56,148	56,148	48,949
221-601.460-701.030	WAGES - CLASSIFIED, PROFESSIONAL	77,892	80,009	80,009	82,436
221-601.460-701.097	WAGES - PAID TIME OUT	2,913	3,900	3,900	
221-601.460-715.001	BENEFITS - FICA	10,853	11,475	11,475	12,086
221-601.460-715.100	BENEFITS - HEALTH INSURANCE	43,367	46,499	46,499	33,384
221-601.460-715.270	BENEFITS - HSA EMPLOYER	93	212	2,761	1,992
221-601.460-715.275	BENEFITS - LIFE INSURANCE	146	73	1,583	1,500
221-601.460-715.500	BENEFITS - WORKERS COMP	3,714	4,849	4,849	3,715
221-601.460-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	7,797	8,066	8,066	6,565
221-601.460-726.001	SUPPLIES - OFFICE		300	300	300
221-601.460-726.050	SUPPLIES - PROGRAM	2,763	2,500	3,500	5,000
221-601.460-726.600	SUPPLIES - MEDICAL	734	1,700	1,700	1,700
221-601.460-801.005	SERVICES - EQUIPMENT MAINTENANCE	190	400	400	500
221-601.460-850.002	OPERATING - ADVERTISING	396	250	250	500
221-601.460-850.153	OPERATING - TRAINING		500	500	1,000
221-601.460-850.199	OPERATING - MEMBERSHIPS	180	200	200	200
221-601.460-850.910	OPERATING - TRAVEL	702	250	375	500
221-601.460-960.000	INDIRECT COST ALLOCATION	76,763		33,265	19,660
221-601.460-960.120	COST ALLOCATION - PH ADMINISTRATION	39,135		34,789	35,883
221-601.460-960.300	COST ALLOCATION - PH NURSE SUPERVISION	19,659		14,887	16,240
221-601.462-701.020	WAGES - CLASSIFIED, SUPPORT	17,573	23,403	23,403	22,801
221-601.462-701.030	WAGES - CLASSIFIED, PROFESSIONAL	3,939	3,109	3,109	3,331
221-601.462-715.001	BENEFITS - FICA	1,610	2,028	2,028	1,999
221-601.462-715.100	BENEFITS - HEALTH INSURANCE	1,151	978	978	1,006
221-601.462-715.270	BENEFITS - HSA EMPLOYER		5	178	60
221-601.462-715.275	BENEFITS - LIFE INSURANCE	1	1	31	35
221-601.462-715.500	BENEFITS - WORKERS COMP	516	1,318	1,318	113
221-601.462-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	361	298	298	320
221-601.462-726.050	SUPPLIES - PROGRAM	1,680	400	400	400
221-601.462-850.001	OPERATING - POSTAGE	13	100	100	100
221-601.462-850.153	OPERATING - TRAINING	45	100	100	100
221-601.462-850.370	OPERATING - WIRELESS	590	560	560	560
221-601.462-850.910	OPERATING - TRAVEL	550	150	150	150
221-601.462-960.000	INDIRECT COST ALLOCATION	8,708		4,550	2,685
221-601.462-960.120	COST ALLOCATION - PH ADMINISTRATION	4,490		4,759	4,900

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.462-960.300	COST ALLOCATION - PH NURSE SUPERVISION	2,255		2,036	2,218
221-601.475-701.010	WAGES - CLASSIFIED, MANAGEMENT		3,461	3,461	
221-601.475-701.030	WAGES - CLASSIFIED, PROFESSIONAL	611	622	622	618
221-601.475-715.001	BENEFITS - FICA	42	313	313	47
221-601.475-715.100	BENEFITS - HEALTH INSURANCE	187	1,174	1,174	
221-601.475-715.270	BENEFITS - HSA EMPLOYER		6	6	
221-601.475-715.275	BENEFITS - LIFE INSURANCE		1	1	
221-601.475-715.500	BENEFITS - WORKERS COMP	21	203	203	21
221-601.475-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	59	233	233	56
221-601.475-726.050	SUPPLIES - PROGRAM	2,107	3,000	3,000	1,500
221-601.475-960.000	INDIRECT COST ALLOCATION	313		873	67
221-601.475-960.120	COST ALLOCATION - PH ADMINISTRATION	163		913	123
221-601.475-960.300	COST ALLOCATION - PH NURSE SUPERVISION	82		391	55
221-601.476-701.010	WAGES - CLASSIFIED, MANAGEMENT			3,461	
221-601.476-715.001	BENEFITS - FICA			265	
221-601.476-715.100	BENEFITS - HEALTH INSURANCE			931	
221-601.476-715.270	BENEFITS - HSA EMPLOYER			5	
221-601.476-715.275	BENEFITS - LIFE INSURANCE			10	
221-601.476-715.500	BENEFITS - WORKERS COMP			172	
221-601.476-715.801	BENEFITS - RETIREMENT, COUNTY PLAN			164	
221-601.476-801.100	SERVICES - CONTRACTUAL			47,925	55,483
221-601.476-850.910	OPERATING - TRAVEL			670	
221-601.476-960.000	INDIRECT COST ALLOCATION			727	
221-601.476-960.120	COST ALLOCATION - PH ADMINISTRATION			760	
221-601.476-960.300	COST ALLOCATION - PH NURSE SUPERVISION			325	
221-601.510-701.030	WAGES - CLASSIFIED, PROFESSIONAL		114	114	
221-601.510-715.001	BENEFITS - FICA		9	9	
221-601.510-960.120	COST ALLOCATION - PH ADMINISTRATION			19	
221-601.510-960.300	COST ALLOCATION - PH NURSE SUPERVISION			8	
221-601.511-701.010	WAGES - CLASSIFIED, MANAGEMENT	1,691			
221-601.511-701.020	WAGES - CLASSIFIED, SUPPORT	20,707	17,245	17,245	
221-601.511-701.030	WAGES - CLASSIFIED, PROFESSIONAL	22,233	24,566	24,566	
221-601.511-701.097	WAGES - PAID TIME OUT	3,121			
221-601.511-715.001	BENEFITS - FICA	3,639	3,198	3,198	
221-601.511-715.100	BENEFITS - HEALTH INSURANCE	2,326			
221-601.511-715.270	BENEFITS - HSA EMPLOYER			223	
221-601.511-715.275	BENEFITS - LIFE INSURANCE	16		260	
221-601.511-715.500	BENEFITS - WORKERS COMP	1,111	1,278	1,278	
221-601.511-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,594	1,656	1,656	
221-601.511-850.370	OPERATING - WIRELESS	2,112			
221-601.511-960.000	INDIRECT COST ALLOCATION	19,559		7,030	
221-601.511-960.120	COST ALLOCATION - PH ADMINISTRATION	10,221		7,353	
221-601.511-960.300	COST ALLOCATION - PH NURSE SUPERVISION	5,135		3,146	
221-601.512-701.010	WAGES - CLASSIFIED, MANAGEMENT	2,971			

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.512-701.020	WAGES - CLASSIFIED, SUPPORT	23,623	21,077	21,077	
221-601.512-701.030	WAGES - CLASSIFIED, PROFESSIONAL	24,058	8,189	8,189	
221-601.512-715.001	BENEFITS - FICA	3,868	2,238	2,238	
221-601.512-715.100	BENEFITS - HEALTH INSURANCE	2,857			
221-601.512-715.270	BENEFITS - HSA EMPLOYER			112	
221-601.512-715.275	BENEFITS - LIFE INSURANCE	22		225	
221-601.512-715.500	BENEFITS - WORKERS COMP	1,111	477	477	
221-601.512-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	3,535	2,023	2,023	
221-601.512-726.050	SUPPLIES - PROGRAM	1,754			
221-601.512-850.910	OPERATING - TRAVEL	176			
221-601.512-960.000	INDIRECT COST ALLOCATION	21,686		4,985	
221-601.512-960.120	COST ALLOCATION - PH ADMINISTRATION	11,018		5,214	
221-601.512-960.300	COST ALLOCATION - PH NURSE SUPERVISION	5,535		2,231	
221-601.515-701.010	WAGES - CLASSIFIED, MANAGEMENT	7,321	6,922	16,922	16,724
221-601.515-701.030	WAGES - CLASSIFIED, PROFESSIONAL	68,720	79,127	79,127	92,428
221-601.515-715.001	BENEFITS - FICA	5,571	6,583	6,583	8,350
221-601.515-715.100	BENEFITS - HEALTH INSURANCE	15,005	19,541	19,541	23,530
221-601.515-715.270	BENEFITS - HSA EMPLOYER		95	888	1,404
221-601.515-715.275	BENEFITS - LIFE INSURANCE	35	38	938	709
221-601.515-715.500	BENEFITS - WORKERS COMP	2,623	4,277	4,277	3,651
221-601.515-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	5,398	6,062	6,062	7,102
221-601.515-726.001	SUPPLIES - OFFICE		230	230	
221-601.515-726.050	SUPPLIES - PROGRAM	1,395	250	124,405	40,000
221-601.515-726.600	SUPPLIES - MEDICAL		100	100	
221-601.515-726.601	SUPPLIES - PHARMACEUTICAL		2,700	2,700	
221-601.515-801.430	SERVICES - SOFTWARE SUPPORT	660	660	660	660
221-601.515-801.602	SERVICES - LABORATORY		1,800	1,800	1,800
221-601.515-801.609	SERVICES - VETERINARIAN	300	250	250	250
221-601.515-850.001	OPERATING - POSTAGE	80	200	200	200
221-601.515-850.153	OPERATING - TRAINING		700	700	1,000
221-601.515-850.199	OPERATING - MEMBERSHIPS			1,000	
221-601.515-850.370	OPERATING - WIRELESS	560	650	650	1,000
221-601.515-850.910	OPERATING - TRAVEL	256	170	500	979
221-601.515-960.000	INDIRECT COST ALLOCATION	37,186		19,503	13,928
221-601.515-960.120	COST ALLOCATION - PH ADMINISTRATION	18,712		20,397	25,421
221-601.515-960.300	COST ALLOCATION - PH NURSE SUPERVISION	9,400		8,728	11,505
221-601.518-701.010	WAGES - CLASSIFIED, MANAGEMENT	108			
221-601.518-701.030	WAGES - CLASSIFIED, PROFESSIONAL	9,498	9,945	9,945	8,650
221-601.518-715.001	BENEFITS - FICA	652	761	761	662
221-601.518-715.100	BENEFITS - HEALTH INSURANCE	2,966	3,002	3,002	
221-601.518-715.270	BENEFITS - HSA EMPLOYER		15	423	
221-601.518-715.275	BENEFITS - LIFE INSURANCE	4	5	100	
221-601.518-715.500	BENEFITS - WORKERS COMP	315	494	494	293
221-601.518-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	533	623	623	787

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.518-726.050	SUPPLIES - PROGRAM	1,105			500
221-601.518-850.910	OPERATING - TRAVEL	73	100	100	100
221-601.518-960.000	INDIRECT COST ALLOCATION	4,827		2,228	940
221-601.518-960.120	COST ALLOCATION - PH ADMINISTRATION	2,570		2,330	1,717
221-601.518-960.300	COST ALLOCATION - PH NURSE SUPERVISION	1,291		997	777
221-601.519-726.050	SUPPLIES - PROGRAM	129	349	349	349
221-601.520-701.030	WAGES - CLASSIFIED, PROFESSIONAL	49,437	52,623	52,623	56,557
221-601.520-715.001	BENEFITS - FICA	3,766	4,026	4,026	4,327
221-601.520-715.100	BENEFITS - HEALTH INSURANCE			8,188	20,111
221-601.520-715.270	BENEFITS - HSA EMPLOYER			1,800	1,200
221-601.520-715.275	BENEFITS - LIFE INSURANCE	23		295	
221-601.520-715.500	BENEFITS - WORKERS COMP	1,511	2,615	2,615	753
221-601.520-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	98			2,828
221-601.520-726.050	SUPPLIES - PROGRAM	173	3,000	2,200	3,000
221-601.520-850.153	OPERATING - TRAINING	430		800	
221-601.520-850.370	OPERATING - WIRELESS	560	500	500	500
221-601.520-850.910	OPERATING - TRAVEL	753	450	450	450
221-601.520-960.000	INDIRECT COST ALLOCATION	19,511		10,097	7,763
221-601.520-960.120	COST ALLOCATION - PH ADMINISTRATION	9,933		10,559	14,168
221-601.520-960.300	COST ALLOCATION - PH NURSE SUPERVISION	4,990		4,518	6,413
221-601.521-701.020	WAGES - CLASSIFIED, SUPPORT	1,588		39,480	63,308
221-601.521-701.030	WAGES - CLASSIFIED, PROFESSIONAL	1,518		76,986	6,718
221-601.521-715.001	BENEFITS - FICA	124		8,910	5,357
221-601.521-715.100	BENEFITS - HEALTH INSURANCE	534		16,129	26,507
221-601.521-715.270	BENEFITS - HSA EMPLOYER			1,255	1,200
221-601.521-715.275	BENEFITS - LIFE INSURANCE			350	682
221-601.521-715.500	BENEFITS - WORKERS COMP	34		2,912	329
221-601.521-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	80		8,111	4,989
221-601.521-726.050	SUPPLIES - PROGRAM			6,000	5,000
221-601.521-850.002	OPERATING - ADVERTISING			120	
221-601.521-850.910	OPERATING - TRAVEL			100	1,500
221-601.521-960.000	INDIRECT COST ALLOCATION	1,607		22,376	9,873
221-601.521-960.120	COST ALLOCATION - PH ADMINISTRATION	787		23,402	18,019
221-601.521-960.300	COST ALLOCATION - PH NURSE SUPERVISION	395		10,014	8,156
221-601.525-701.010	WAGES - CLASSIFIED, MANAGEMENT		3,461		
221-601.525-701.020	WAGES - CLASSIFIED, SUPPORT	26,466	31,136	31,136	37,016
221-601.525-701.030	WAGES - CLASSIFIED, PROFESSIONAL	38,123	28,826	28,826	43,778
221-601.525-701.097	WAGES - PAID TIME OUT	3,193	1,850	1,850	
221-601.525-715.001	BENEFITS - FICA	5,020	4,852	4,852	6,181
221-601.525-715.100	BENEFITS - HEALTH INSURANCE	10,057	10,868	10,868	12,285
221-601.525-715.270	BENEFITS - HSA EMPLOYER		95	198	1,224
221-601.525-715.275	BENEFITS - LIFE INSURANCE	29	26	586	566
221-601.525-715.500	BENEFITS - WORKERS COMP	1,418	1,708	1,708	1,568
221-601.525-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	6,514	5,929	5,929	7,694

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.525-726.001	SUPPLIES - OFFICE	11	320	320	320
221-601.525-726.050	SUPPLIES - PROGRAM	2,439	1,100	1,100	1,100
221-601.525-726.600	SUPPLIES - MEDICAL	427	2,200	2,200	2,200
221-601.525-726.601	SUPPLIES - PHARMACEUTICAL	43,031	50,000	50,000	50,000
221-601.525-726.602	SUPPLIES - FEDERAL VACCINE	111,624	80,000	80,000	90,000
221-601.525-801.005	SERVICES - EQUIPMENT MAINTENANCE	374	650	650	650
221-601.525-801.400	SERVICES - CONTRACTUAL NETWORK SUPPORT	83	75	75	75
221-601.525-801.810	SERVICES - TRASH REMOVAL	568	500	500	500
221-601.525-850.006	OPERATING - LICENSE FEE		75	75	75
221-601.525-850.153	OPERATING - TRAINING	225	250	250	250
221-601.525-850.370	OPERATING - WIRELESS			500	
221-601.525-850.910	OPERATING - TRAVEL	176	420	420	420
221-601.525-850.990	OPERATING - MISCELLANEOUS	150	160	160	160
221-601.525-955.004	OTHER - FEE REIMBURSEMENT		35	35	35
221-601.525-960.000	INDIRECT COST ALLOCATION	31,840		12,478	9,983
221-601.525-960.120	COST ALLOCATION - PH ADMINISTRATION	16,134		13,050	18,221
221-601.525-960.300	COST ALLOCATION - PH NURSE SUPERVISION	8,105		5,584	8,247
221-601.526-701.010	WAGES - CLASSIFIED, MANAGEMENT	2,361	3,461	2,461	3,801
221-601.526-701.030	WAGES - CLASSIFIED, PROFESSIONAL	14,305	21,836	21,836	26,871
221-601.526-715.001	BENEFITS - FICA	1,271	1,935	1,935	2,347
221-601.526-715.100	BENEFITS - HEALTH INSURANCE	1,246	978	978	1,006
221-601.526-715.270	BENEFITS - HSA EMPLOYER		5	52	60
221-601.526-715.275	BENEFITS - LIFE INSURANCE	9	1	61	37
221-601.526-715.500	BENEFITS - WORKERS COMP	586	1,257	1,257	1,015
221-601.526-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	1,520	2,269	2,269	2,770
221-601.526-726.050	SUPPLIES - PROGRAM	42	110	110	110
221-601.526-850.910	OPERATING - TRAVEL	762	500	500	500
221-601.526-850.990	OPERATING - MISCELLANEOUS		350	350	350
221-601.526-960.000	INDIRECT COST ALLOCATION	7,057		4,479	3,431
221-601.526-960.120	COST ALLOCATION - PH ADMINISTRATION	3,785		4,684	6,261
221-601.526-960.300	COST ALLOCATION - PH NURSE SUPERVISION	1,901		2,004	2,834
221-601.530-701.020	WAGES - CLASSIFIED, SUPPORT	298			
221-601.530-701.030	WAGES - CLASSIFIED, PROFESSIONAL	1,199	622	622	1,332
221-601.530-715.001	BENEFITS - FICA	109	48	48	102
221-601.530-715.100	BENEFITS - HEALTH INSURANCE	318	196	196	402
221-601.530-715.270	BENEFITS - HSA EMPLOYER		1	1	24
221-601.530-715.275	BENEFITS - LIFE INSURANCE			10	14
221-601.530-715.500	BENEFITS - WORKERS COMP	42	31	31	45
221-601.530-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	115	60	60	128
221-601.530-726.050	SUPPLIES - PROGRAM	3,495		15,000	
221-601.530-850.910	OPERATING - TRAVEL	54	50	50	50
221-601.530-850.990	OPERATING - MISCELLANEOUS	100	300	300	1,140
221-601.530-960.000	INDIRECT COST ALLOCATION	792		141	185
221-601.530-960.120	COST ALLOCATION - PH ADMINISTRATION	369		147	338

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.530-960.300	COST ALLOCATION - PH NURSE SUPERVISION	185		63	153
221-601.534-701.010	WAGES - CLASSIFIED, MANAGEMENT	2,799	3,461	3,461	3,041
221-601.534-701.030	WAGES - CLASSIFIED, PROFESSIONAL	70,781	89,420	89,420	84,889
221-601.534-701.097	WAGES - PAID TIME OUT	1,372			
221-601.534-715.001	BENEFITS - FICA	5,183	7,106	7,106	6,727
221-601.534-715.100	BENEFITS - HEALTH INSURANCE	31,060	38,177	38,177	29,853
221-601.534-715.270	BENEFITS - HSA EMPLOYER		104	3,047	1,536
221-601.534-715.275	BENEFITS - LIFE INSURANCE	32	38	788	921
221-601.534-715.500	BENEFITS - WORKERS COMP	2,520	4,616	4,616	2,954
221-601.534-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	5,908	7,251	7,251	7,323
221-601.534-726.050	SUPPLIES - PROGRAM		300	300	300
221-601.534-801.005	SERVICES - EQUIPMENT MAINTENANCE	183	220	220	220
221-601.534-850.153	OPERATING - TRAINING	300	220	500	600
221-601.534-850.370	OPERATING - WIRELESS	2,106	2,750	2,750	2,750
221-601.534-850.910	OPERATING - TRAVEL	4,758	4,300	4,300	4,300
221-601.534-960.000	INDIRECT COST ALLOCATION	42,228		22,338	12,421
221-601.534-960.120	COST ALLOCATION - PH ADMINISTRATION	21,538		23,361	22,670
221-601.534-960.300	COST ALLOCATION - PH NURSE SUPERVISION	10,819		9,997	10,260
221-601.536-701.030	WAGES - CLASSIFIED, PROFESSIONAL	153	622	622	666
221-601.536-715.001	BENEFITS - FICA	11	48	48	51
221-601.536-715.100	BENEFITS - HEALTH INSURANCE	47	196	196	201
221-601.536-715.270	BENEFITS - HSA EMPLOYER		1	1	12
221-601.536-715.275	BENEFITS - LIFE INSURANCE			10	7
221-601.536-715.500	BENEFITS - WORKERS COMP	5	31	31	23
221-601.536-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	15	60	60	64
221-601.536-850.910	OPERATING - TRAVEL	19	90	90	90
221-601.536-960.000	INDIRECT COST ALLOCATION	82		141	93
221-601.536-960.120	COST ALLOCATION - PH ADMINISTRATION	41		147	169
221-601.536-960.300	COST ALLOCATION - PH NURSE SUPERVISION	21		63	77
221-601.540-701.010	WAGES - CLASSIFIED, MANAGEMENT	1,851	3,461	3,461	3,041
221-601.540-701.020	WAGES - CLASSIFIED, SUPPORT	21,564	23,403	23,403	25,061
221-601.540-701.030	WAGES - CLASSIFIED, PROFESSIONAL	46,237	40,964	40,964	49,460
221-601.540-715.001	BENEFITS - FICA	5,072	5,189	5,189	5,934
221-601.540-715.100	BENEFITS - HEALTH INSURANCE	22,037	19,309	19,309	14,240
221-601.540-715.270	BENEFITS - HSA EMPLOYER		40	941	768
221-601.540-715.275	BENEFITS - LIFE INSURANCE	21	19	277	548
221-601.540-715.500	BENEFITS - WORKERS COMP	1,724	2,285	2,285	1,818
221-601.540-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	3,208	3,101	3,101	3,433
221-601.540-726.050	SUPPLIES - PROGRAM		200	3,200	200
221-601.540-850.001	OPERATING - POSTAGE	1	110	110	110
221-601.540-850.153	OPERATING - TRAINING	80		1,000	
221-601.540-850.910	OPERATING - TRAVEL	225	750	1,750	750
221-601.540-850.990	OPERATING - MISCELLANEOUS			4,090	
221-601.540-960.000	INDIRECT COST ALLOCATION	35,592		14,362	9,439

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.540-960.120	COST ALLOCATION - PH ADMINISTRATION	18,197		15,021	17,229
221-601.540-960.300	COST ALLOCATION - PH NURSE SUPERVISION	9,141		6,427	7,798
221-601.541-701.020	WAGES - CLASSIFIED, SUPPORT	510			
221-601.541-701.030	WAGES - CLASSIFIED, PROFESSIONAL	630			
221-601.541-715.001	BENEFITS - FICA	95			
221-601.541-715.100	BENEFITS - HEALTH INSURANCE	341			
221-601.541-715.500	BENEFITS - WORKERS COMP	26			
221-601.541-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	35			
221-601.541-726.050	SUPPLIES - PROGRAM		2,662	2,662	
221-601.541-960.000	INDIRECT COST ALLOCATION	475			
221-601.541-960.120	COST ALLOCATION - PH ADMINISTRATION	290			
221-601.541-960.300	COST ALLOCATION - PH NURSE SUPERVISION	146			
221-601.542-701.020	WAGES - CLASSIFIED, SUPPORT	5,945	9,176	9,176	7,180
221-601.542-701.030	WAGES - CLASSIFIED, PROFESSIONAL	4,400	3,354	3,354	2,751
221-601.542-715.001	BENEFITS - FICA	759	959	959	759
221-601.542-715.100	BENEFITS - HEALTH INSURANCE	3,715	6,620	6,620	1,006
221-601.542-715.270	BENEFITS - HSA EMPLOYER		29	204	60
221-601.542-715.275	BENEFITS - LIFE INSURANCE	5	8	88	103
221-601.542-715.500	BENEFITS - WORKERS COMP	207	197	197	91
221-601.542-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	902	1,203	1,203	464
221-601.542-726.050	SUPPLIES - PROGRAM	1,760	450	4,250	6,000
221-601.542-726.600	SUPPLIES - MEDICAL	3,795	4,000	200	
221-601.542-850.910	OPERATING - TRAVEL	127	50	50	50
221-601.542-960.000	INDIRECT COST ALLOCATION	5,462		3,165	1,123
221-601.542-960.120	COST ALLOCATION - PH ADMINISTRATION	2,827		3,310	2,051
221-601.542-960.300	COST ALLOCATION - PH NURSE SUPERVISION	1,420		1,416	928
221-601.543-701.030	WAGES - CLASSIFIED, PROFESSIONAL	31			
221-601.543-715.001	BENEFITS - FICA	2			
221-601.543-715.100	BENEFITS - HEALTH INSURANCE	9			
221-601.543-715.500	BENEFITS - WORKERS COMP	1			
221-601.543-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	3			
221-601.543-726.050	SUPPLIES - PROGRAM				100
221-601.543-850.910	OPERATING - TRAVEL				20
221-601.543-960.000	INDIRECT COST ALLOCATION	18			
221-601.543-960.120	COST ALLOCATION - PH ADMINISTRATION	8			
221-601.543-960.300	COST ALLOCATION - PH NURSE SUPERVISION	4			
221-601.544-701.030	WAGES - CLASSIFIED, PROFESSIONAL			2,730	
221-601.544-715.001	BENEFITS - FICA			209	
221-601.544-715.500	BENEFITS - WORKERS COMP			136	
221-601.544-715.801	BENEFITS - RETIREMENT, COUNTY PLAN			136	
221-601.544-726.050	SUPPLIES - PROGRAM	28		400	
221-601.544-850.910	OPERATING - TRAVEL			665	
221-601.544-960.000	INDIRECT COST ALLOCATION			466	
221-601.544-960.120	COST ALLOCATION - PH ADMINISTRATION			488	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.544-960.300	COST ALLOCATION - PH NURSE SUPERVISION			209	
221-601.545-701.010	WAGES - CLASSIFIED, MANAGEMENT	2,789	3,461	3,461	3,041
221-601.545-701.020	WAGES - CLASSIFIED, SUPPORT	14,506	18,313	18,313	22,121
221-601.545-701.097	WAGES - PAID TIME OUT		600	600	
221-601.545-715.001	BENEFITS - FICA	1,286	1,610	1,610	1,925
221-601.545-715.100	BENEFITS - HEALTH INSURANCE	1,408	1,956	1,956	2,449
221-601.545-715.270	BENEFITS - HSA EMPLOYER		17	57	228
221-601.545-715.275	BENEFITS - LIFE INSURANCE	3	4	89	124
221-601.545-715.500	BENEFITS - WORKERS COMP	454	362	362	177
221-601.545-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	558	702	702	1,022
221-601.545-726.050	SUPPLIES - PROGRAM	152	500	6,500	500
221-601.545-801.005	SERVICES - EQUIPMENT MAINTENANCE		230	230	230
221-601.545-850.001	OPERATING - POSTAGE	95	150	150	150
221-601.545-850.370	OPERATING - WIRELESS	560	300	400	600
221-601.545-850.910	OPERATING - TRAVEL	971	500	500	500
221-601.545-960.000	INDIRECT COST ALLOCATION	7,184		3,942	2,813
221-601.545-960.120	COST ALLOCATION - PH ADMINISTRATION	3,733		4,122	5,135
221-601.545-960.300	COST ALLOCATION - PH NURSE SUPERVISION	1,875		1,764	2,324
221-601.550-701.010	WAGES - CLASSIFIED, MANAGEMENT	2,377	3,461	3,461	3,041
221-601.550-701.020	WAGES - CLASSIFIED, SUPPORT	12,304	18,758	18,758	22,121
221-601.550-701.097	WAGES - PAID TIME OUT		600	600	
221-601.550-715.001	BENEFITS - FICA	1,102	1,644	1,644	1,925
221-601.550-715.100	BENEFITS - HEALTH INSURANCE	1,368	2,037	2,037	2,449
221-601.550-715.270	BENEFITS - HSA EMPLOYER		18	27	228
221-601.550-715.275	BENEFITS - LIFE INSURANCE	4	4	79	124
221-601.550-715.500	BENEFITS - WORKERS COMP	359	364	364	177
221-601.550-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	574	745	745	1,022
221-601.550-726.050	SUPPLIES - PROGRAM	889	1,100	7,100	1,450
221-601.550-726.600	SUPPLIES - MEDICAL		350	350	
221-601.550-801.005	SERVICES - EQUIPMENT MAINTENANCE	757	400	600	400
221-601.550-850.001	OPERATING - POSTAGE	95	180	180	180
221-601.550-850.370	OPERATING - WIRELESS		300	300	
221-601.550-850.910	OPERATING - TRAVEL	868	600	600	600
221-601.550-960.000	INDIRECT COST ALLOCATION	6,047		4,024	2,813
221-601.550-960.120	COST ALLOCATION - PH ADMINISTRATION	3,211		4,208	5,135
221-601.550-960.300	COST ALLOCATION - PH NURSE SUPERVISION	1,613		1,801	2,324
221-601.560-701.010	WAGES - CLASSIFIED, MANAGEMENT	13,200	10,383	4,844	
221-601.560-701.020	WAGES - CLASSIFIED, SUPPORT	14,058	10,299	10,299	
221-601.560-701.030	WAGES - CLASSIFIED, PROFESSIONAL	9,726	3,109	3,109	33,588
221-601.560-715.001	BENEFITS - FICA	2,699	1,820	1,820	2,570
221-601.560-715.100	BENEFITS - HEALTH INSURANCE	8,805	7,659	7,659	
221-601.560-715.270	BENEFITS - HSA EMPLOYER	7	45	236	
221-601.560-715.275	BENEFITS - LIFE INSURANCE	19	11	206	
221-601.560-715.500	BENEFITS - WORKERS COMP	857	705	705	1,053

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
221-601.560-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,729	1,244	1,244	
221-601.560-726.050	SUPPLIES - PROGRAM		2,000	2,000	2,000
221-601.560-850.910	OPERATING - TRAVEL		200	200	500
221-601.560-960.000	INDIRECT COST ALLOCATION	18,318		4,373	3,368
221-601.560-960.120	COST ALLOCATION - PH ADMINISTRATION	9,277		4,573	6,147
221-601.560-960.300	COST ALLOCATION - PH NURSE SUPERVISION	4,660		1,957	2,782
221-601.911-701.010	WAGES - CLASSIFIED, MANAGEMENT	4,013	4,720	10,220	1,964
221-601.911-701.030	WAGES - CLASSIFIED, PROFESSIONAL	50,851	54,717	57,852	55,359
221-601.911-715.001	BENEFITS - FICA	4,074	4,547	4,547	4,385
221-601.911-715.100	BENEFITS - HEALTH INSURANCE	9,574	10,021	10,021	21,181
221-601.911-715.270	BENEFITS - HSA EMPLOYER		108	1,801	1,254
221-601.911-715.275	BENEFITS - LIFE INSURANCE	26	25	655	631
221-601.911-715.500	BENEFITS - WORKERS COMP	633	847	847	56
221-601.911-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,837	3,183	3,183	2,951
221-601.911-726.050	SUPPLIES - PROGRAM	3,108	2,000	4,838	200
221-601.911-801.400	SERVICES - CONTRACTUAL NETWORK SUPPORT	4,618	4,620	4,620	4,620
221-601.911-850.153	OPERATING - TRAINING	670	750	750	750
221-601.911-850.370	OPERATING - WIRELESS	1,715	1,700	1,700	1,740
221-601.911-850.910	OPERATING - TRAVEL	2,416	1,950	1,950	4,646
221-601.911-850.990	OPERATING - MISCELLANEOUS	32	700	700	700
221-601.911-960.000	INDIRECT COST ALLOCATION	25,291		12,939	7,944
221-601.911-960.120	COST ALLOCATION - PH ADMINISTRATION	12,871		13,532	14,500
	TOTAL APPROPRIATIONS	2,815,540	2,724,595	3,215,401	2,897,262
NET OF REVENUES/APPROPRIATIONS - FUND 221		503,640	(193,771)		
	BEGINNING FUND BALANCE	593,648	1,097,279	1,097,279	1,097,279
	ENDING FUND BALANCE	1,097,288	903,508	1,097,279	1,097,279

FUND 225 : RESOURCE RECOVERY FUND

This fund supports the operations of the Resource Recovery program, which focuses on sustainable waste management and environmental stewardship. This fund is instrumental in financing activities related to recycling, composting, and the safe disposal of hazardous materials. The Resource Recovery program aims to reduce landfill use, conserve natural resources, and promote a cleaner, healthier environment for the community. It enables the continued development of innovative waste reduction strategies and public education efforts that encourage responsible disposal practices and environmental awareness.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
225-000.000-664.001	INVESTMENT INTEREST			15,000	15,000
225-621.000-539.000	STATE GRANTS				152,000
225-621.000-600.211	LANDFILL IMPACT FEE	115,075	112,500	112,500	100,000
225-621.000-671.000	OTHER REVENUE				5,000
225-621.001-539.000	STATE GRANTS	7,044	8,000	8,000	6,000
	TOTAL ESTIMATED REVENUES	122,119	120,500	135,500	278,000
	APPROPRIATIONS				
225-000.000-960.000	INDIRECT COST ALLOCATION	1,301	4,714	4,714	2,057
225-621.000-801.500	SERVICES - ATTORNEY	16,741	15,200	15,200	19,500
225-621.000-955.003	OTHER - PROMOTIONAL				10,000
225-621.000-970.000	CAPITAL OUTLAY				62,000
225-621.001-801.100	SERVICES - CONTRACTUAL	52,819	41,000	41,000	38,000
225-621.002-801.100	SERVICES - CONTRACTUAL	42,800	30,000	42,800	132,000
225-621.002-850.800	OPERATING - UTILITIES			150	500
	TOTAL APPROPRIATIONS	113,661	90,914	103,864	264,057
	NET OF REVENUES/APPROPRIATIONS - FUND 225	8,458	29,586	31,636	13,943
	BEGINNING FUND BALANCE	659,216	667,674	667,674	699,310
	ENDING FUND BALANCE	667,674	697,260	699,310	713,253

FUND 249 : BUILDING INPECTION FUND

This fund is dedicated to supporting the operations of the Building Inspection Department, which plays a critical role in ensuring the safety, compliance, and integrity of construction within the community. This fund finances activities related to building inspections, code enforcement, permit processing, and the review of construction plans. By supporting these services, Fund 249 helps maintain high standards of safety in residential, commercial, and industrial buildings, protecting public health and property. The fund also ensures that development aligns with local regulations and promotes sustainable growth within the community.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
249-000.000-664.001	INVESTMENT INTEREST			8,000	5,000
249-371.000-450.751	BUILDING CODE PERMITS	548,260	509,000	509,000	500,000
TOTAL ESTIMATED REVENUES		548,260	509,000	517,000	505,000
	APPROPRIATIONS				
249-371.000-701.060	WAGES - NON-CLASSIFIED	4,238	4,992	4,992	4,500
249-371.000-715.001	BENEFITS - FICA	324	382	350	350
249-371.000-726.001	SUPPLIES - OFFICE		400	400	400
249-371.000-801.100	SERVICES - CONTRACTUAL	449,565	442,000	450,000	400,000
249-371.000-850.820	OPERATING - RENT/LEASE	37,000	18,500	18,500	18,500
249-371.000-960.000	INDIRECT COST ALLOCATION	32,045	50,250	50,250	43,330
TOTAL APPROPRIATIONS		523,172	516,524	524,492	467,080
NET OF REVENUES/APPROPRIATIONS - FUND 249		25,088	(7,524)	(7,492)	37,920
	BEGINNING FUND BALANCE	270,252	295,340	295,340	287,848
	ENDING FUND BALANCE	295,340	287,816	287,848	325,768

FUND 256 : AUTOMATION FUND

Fund 256 is designated to support the development and maintenance of technology systems that enhance the efficiency and effectiveness of government operations. The Automation Fund provides resources for the implementation of new software, hardware, and digital solutions that streamline processes, improve service delivery, and foster innovation. These investments are essential for modernizing operations and ensuring that the community benefits from up-to-date technological infrastructure.

The use of Fund 256 is restricted to expenditures directly related to automation initiatives. This includes the procurement of new technology, system upgrades, IT infrastructure improvements, and staff training related to these systems. Fund 256 cannot be used for non-automation-related expenses, such as general administrative costs or other unrelated projects. These restrictions ensure that the fund remains focused on its purpose of advancing technology and efficiency in government services.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
256-000.000-664.001	INVESTMENT INTEREST			1,000	1,000
256-268.000-600.200	FEES	33,448	45,000	45,000	40,000
256-268.000-664.001	INVESTMENT INTEREST	13,019	2,000	2,000	2,000
	TOTAL ESTIMATED REVENUES	46,467	47,000	48,000	43,000
	APPROPRIATIONS				
256-268.000-701.020	WAGES - CLASSIFIED, SUPPORT	17,317	42,000	20,000	10,000
256-268.000-715.001	BENEFITS - FICA		3,213	1,530	765
256-268.000-715.275	BENEFITS - LIFE INSURANCE		23		
256-268.000-715.500	BENEFITS - WORKERS COMP		49		
256-268.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN		1,981		
256-268.000-726.005	SUPPLIES - EQUIPMENT		2,000	2,000	2,000
256-268.000-801.270	SERVICES - IMAGING	12,288	5,000	1,860	5,000
256-268.000-801.430	SERVICES - SOFTWARE SUPPORT	19,053	5,000	7,860	8,000
256-268.000-850.153	OPERATING - TRAINING	1,713		1,000	1,000
256-268.000-999.101	TRANSFER TO GENERAL FUND	20,000	20,000		
TOTAL APPROPRIATIONS		70,371	79,266	34,250	26,765
	NET OF REVENUES/APPROPRIATIONS - FUND 256	(23,904)	(32,266)	13,750	16,235
	BEGINNING FUND BALANCE	175,307	151,403	151,403	165,153
	ENDING FUND BALANCE	151,403	119,137	165,153	181,388

FUND 259 : COUNTY SPECIAL PROJECTS FUND

Fund 259 is dedicated to supporting County Special Projects that address unique, non-recurring needs within the community. This fund provides the financial flexibility to undertake a wide range of initiatives that fall outside the scope of regular departmental budgets. These projects may include infrastructure improvements, community development efforts, one-time capital investments, or other targeted activities that enhance the quality of life for residents.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
259-000.000-664.001	INVESTMENT INTEREST			25,000	20,000
259-301.001-671.300	CONTRIBUTIONS & DONATIONS	3,000	2,400	2,400	3,000
259-301.002-671.300	CONTRIBUTIONS & DONATIONS	300	1,000	1,000	1,000
259-301.003-671.300	CONTRIBUTIONS & DONATIONS	18,814	16,000	19,290	20,000
259-301.003-671.400	REIMBURSEMENTS			850	
259-301.005-671.300	CONTRIBUTIONS & DONATIONS	2,069		595	1,000
259-430.000-671.300	CONTRIBUTIONS & DONATIONS	31,864	40,000	40,000	30,000
259-430.100-664.001	INVESTMENT INTEREST	1,444			
259-751.000-671.300	CONTRIBUTIONS & DONATIONS	8,863	6,600	8,000	8,000
	TOTAL ESTIMATED REVENUES	66,354	66,000	97,135	83,000
	APPROPRIATIONS				
259-000.000-999.000	TRANSFERS OUT		1,850	1,850	
259-301.001-726.005	SUPPLIES - EQUIPMENT	4,863	2,750	2,750	3,000
259-301.002-726.005	SUPPLIES - EQUIPMENT	882	900	900	1,000
259-301.002-801.609	SERVICES - VETERINARIAN	61	20,000	20,000	1,000
259-301.003-726.005	SUPPLIES - EQUIPMENT	22,019	13,600	13,600	20,000
259-301.003-850.153	OPERATING - TRAINING	1,238	1,750	1,750	1,000
259-301.005-726.005	SUPPLIES - EQUIPMENT	950			1,000
259-430.000-726.609	SUPPLIES - ANIMAL MEDICAL		20,000	20,000	20,000
259-751.000-726.000	SUPPLIES		1,000	1,000	1,000
259-751.000-726.802	SUPPLIES - GENERAL MAINTENANCE	2,320			
	TOTAL APPROPRIATIONS	32,333	61,850	61,850	48,000
	NET OF REVENUES/APPROPRIATIONS - FUND 259	34,021	4,150	35,285	35,000
	BEGINNING FUND BALANCE	711,702	745,723	745,723	781,008
	ENDING FUND BALANCE	745,723	749,873	781,008	816,008

FUND 260: MICHIGAN INDIGENT DEFENSE FUND

This fund is dedicated to supporting the provision of legal defense services for indigent individuals who cannot afford to hire an attorney. This fund ensures compliance with constitutional mandates by financing public defense services in criminal cases where the defendant's right to legal representation is protected. Fund 260 is used to cover costs associated with public defenders, legal fees, investigation services, and other related expenses necessary for a fair defense.

The establishment of this fund aligns with state and national standards for indigent defense, often in response to the Michigan Indigent Defense Commission (MIDC) requirements. These funds help counties meet mandated standards for providing adequate legal representation to low-income defendants, ensuring the justice system remains equitable for all, regardless of financial means.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
260-000.000-699.101	TRANSFER IN - GENERAL FUND	96,140			
260-138.000-539.000	STATE GRANTS	401,036	681,041	681,041	855,721
260-138.000-671.402	ATTORNEY FEE REIMBURSEMENT	169	1,000		
260-138.000-699.101	TRANSFER IN - GENERAL FUND	225,190	225,190	225,190	225,162
	TOTAL ESTIMATED REVENUES	722,535	907,231	906,231	1,080,883
	APPROPRIATIONS				
260-138.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	117,934	122,400	122,400	130,000
260-138.000-701.020	WAGES - CLASSIFIED, SUPPORT	347,724	420,690	420,690	434,000
260-138.000-701.097	WAGES - PAID TIME OUT	3,844		2,285	3,000
260-138.000-715.001	BENEFITS - FICA	33,288	40,674	40,674	42,600
260-138.000-715.100	BENEFITS - HEALTH INSURANCE	78,329	100,988	75,000	78,526
260-138.000-715.270	BENEFITS - HSA EMPLOYER	300	400	4,200	4,200
260-138.000-715.275	BENEFITS - LIFE INSURANCE	144	164	4,500	5,315
260-138.000-715.500	BENEFITS - WORKERS COMP	980	954	1,150	1,500
260-138.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	22,410	26,584	26,584	27,850
260-138.000-726.001	SUPPLIES - OFFICE	3,397	7,000	7,000	6,000
260-138.000-726.005	SUPPLIES - EQUIPMENT				12,000
260-138.000-726.500	SUPPLIES - LAW LIBRARY	3,113	3,500	3,500	2,084
260-138.000-801.055	SERVICES - INTERN STIPEND				30,000
260-138.000-801.100	SERVICES - CONTRACTUAL				720
260-138.000-801.508	SERVICES - TRANSCRIPTIONS	4,330	4,500	4,500	4,000
260-138.000-801.510	SERVICES - WITNESS FEES	19,885	30,000	30,000	65,500
260-138.000-801.520	SERVICES - TRANSLATORS/INTERPRETERS				12,869
260-138.000-801.902	SERVICES - CONFLICT ASSIGNMENTS	31,843	39,985	39,985	34,001
260-138.000-801.903	SERVICES - INVESTIGATIONS	7,363	22,588	22,588	25,000

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
260-138.000-850.001	OPERATING - POSTAGE	2,928	1,500	1,500	3,000
260-138.000-850.153	OPERATING - TRAINING	3,368	3,000	3,000	11,190
260-138.000-850.199	OPERATING - MEMBERSHIPS	2,578	1,200	1,200	3,155
260-138.000-850.301	OPERATING - TELEPHONE				1,000
260-138.000-850.910	OPERATING - TRAVEL	1,539	1,000	2,500	11,190
260-138.000-850.990	OPERATING - MISCELLANEOUS	3,133	3,500	2,688	16,619
260-138.000-955.001	OTHER - INSURANCE & BONDS				4,000
260-138.000-960.000	INDIRECT COST ALLOCATION	38,207	76,412	76,412	70,693
260-138.000-970.000	CAPITAL OUTLAY				27,500
260-430.004-850.910	OPERATING - TRAVEL	159			
260-751.020-995.990	OTHER - MISCELLANEOUS		192	192	
	TOTAL APPROPRIATIONS	726,796	907,231	892,548	1,067,512
	NET OF REVENUES/APPROPRIATIONS - FUND 260	(4,261)		13,683	13,371
	BEGINNING FUND BALANCE	4,264	1	1	13,684
	ENDING FUND BALANCE	3	1	13,684	27,055

FUND 261: CENTRAL DISPATCH

This fund supports the operations of the Central Dispatch (911) system, which is critical to public safety and emergency response services in the community. This fund finances the infrastructure, equipment, and personnel required to ensure that emergency calls are received, processed, and dispatched efficiently to the appropriate agencies, such as law enforcement, fire departments, and emergency medical services.

Funds are dedicated to maintaining and upgrading 911 communications technology, training dispatch personnel, and ensuring continuous, reliable operations. The resources within this fund are crucial for keeping the community safe by providing a swift and coordinated response during emergencies.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
261-000.000-569.000	STATE GRANTS	49,245			
261-000.000-664.001	INVESTMENT INTEREST	9,948		26,000	20,000
	TOTAL ESTIMATED REVENUES	59,193		26,000	20,000
	Dept 325.000 - CENTRAL DISPATCH				
	ESTIMATED REVENUES				
261-325.000-600.213	ALL DEVICE SURCHARGE	1,724,019	1,723,783	1,723,783	1,725,000
261-325.000-664.001	INVESTMENT INTEREST		15,000		
261-325.000-664.500	RENT	33,180	33,180	33,180	34,000
261-325.000-671.000	OTHER REVENUE	3,406	4,500	4,500	4,500
261-325.000-671.400	REIMBURSEMENTS			8,500	
	TOTAL ESTIMATED REVENUES	1,760,605	1,776,463	1,769,963	1,763,500
	APPROPRIATIONS				
261-325.000-701.010	WAGES - CLASSIFIED, MANAGEMENT	250,054	251,436	317,000	317,000
261-325.000-701.020	WAGES - CLASSIFIED, SUPPORT	57,146	54,808	56,000	56,000
261-325.000-701.054	WAGES - UNION, DISPATCHERS	514,021	711,664	538,000	610,000
261-325.000-701.079	WAGES - LONGEVITY	4,775		4,875	4,875
261-325.000-701.080	WAGES - OVERTIME	120,051	100,000	100,000	100,000
261-325.000-701.097	WAGES - PAID TIME OUT	8,646		8,000	8,000
261-325.000-715.001	BENEFITS - FICA	68,760	79,084	79,084	79,649
261-325.000-715.100	BENEFITS - HEALTH INSURANCE	197,396	274,111	274,111	186,750
261-325.000-715.270	BENEFITS - HSA EMPLOYER	313	11,550	11,873	11,100
261-325.000-715.275	BENEFITS - LIFE INSURANCE	1,433	1,825	8,000	9,500
261-325.000-715.500	BENEFITS - WORKERS COMP	2,575	2,658	2,658	2,650
261-325.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	6,558	6,202	6,202	6,900
261-325.000-715.821	BENEFITS - MERS, DISPATCHERS	105,467	69,200	69,200	54,250

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
261-325.000-726.001	SUPPLIES - OFFICE	3,063	3,000	3,000	3,000
261-325.000-726.003	SUPPLIES - EDUCATIONAL			10,000	10,000
261-325.000-726.005	SUPPLIES - EQUIPMENT		4,700	4,700	4,700
261-325.000-726.150	SUPPLIES - UNIFORMS		4,000	4,700	5,000
261-325.000-801.005	SERVICES - EQUIPMENT MAINTENANCE	111,537	125,000	125,000	131,250
261-325.000-801.050	SERVICES - CONSULTANTS	2,500	2,500	2,600	2,600
261-325.000-801.100	SERVICES - CONTRACTUAL	348			
261-325.000-801.800	SERVICES - BUILDING MAINTENANCE	577	63,200	63,200	2,000
261-325.000-850.001	OPERATING - POSTAGE	77	100	100	100
261-325.000-850.005	OPERATING - EQUIPMENT LEASE	10,894	12,000	12,000	13,000
261-325.000-850.153	OPERATING - TRAINING	100	10,000	10,000	10,000
261-325.000-850.301	OPERATING - TELEPHONE	27,543	33,000	33,000	33,000
261-325.000-850.349	OPERATING - 911 COMMUNICATION LINES	954	1,000	1,000	1,000
261-325.000-850.800	OPERATING - UTILITIES	19,290	25,000	25,000	25,000
261-325.000-850.910	OPERATING - TRAVEL	4,232	5,000	5,000	6,000
261-325.000-955.001	OTHER - INSURANCE & BONDS	1,200			1,000
261-325.000-955.990	OTHER - MISCELLANEOUS	2,326	5,000	5,000	5,000
261-325.000-960.000	INDIRECT COST ALLOCATION	64,736	125,365	125,365	143,976
261-325.000-970.000	CAPITAL OUTLAY	98,992		345,828	115,000
261-325.000-970.300	CAPITAL - COMMUNICATION EQUIPMENT	113,174			
261-325.000-999.101	TRANSFER TO GENERAL FUND	42,000	75,180	75,180	42,000
	TOTAL APPROPRIATIONS	1,840,738	2,056,583	2,325,676	2,000,300

Dept 325.001 - CENTRAL DISPATCH - WIRELESS

ESTIMATED REVENUES

261-325.001-539.309	E-911 WIRELESS SURCHARGE	213,255	216,146	216,146	216,000
261-325.001-539.310	E-911 WIRELESS SURCHARGE, TRAINING	18,589	15,800	15,800	15,800
	TOTAL ESTIMATED REVENUES	231,844	231,946	231,946	231,800

APPROPRIATIONS

261-325.001-850.154	OPERATING - TRAINING WIRELESS	16,881	15,000	15,000	15,000
261-325.001-955.990	OTHER - MISCELLANEOUS		10,000		
TOTAL APPROPRIATIONS		16,881	25,000	15,000	15,000
	ESTIMATED REVENUES - FUND 261	2,051,642	2,008,409	2,027,909	2,015,300
	APPROPRIATIONS - FUND 261	1,857,619	2,081,583	2,340,676	2,015,300
	NET OF REVENUES/APPROPRIATIONS - FUND 261	194,023	(73,174)	(312,767)	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	BEGINNING FUND BALANCE	838,857	1,032,880	1,032,880	720,113
	ENDING FUND BALANCE	1,032,880	959,706	720,113	720,113

FUND 262 : COMMUNITY CORRECTIONS FUND

This fund supports the Community Corrections programs designed to provide alternatives to incarceration for eligible offenders. These programs focus on reducing recidivism, improving public safety, and promoting rehabilitation through initiatives such as substance abuse treatment, educational programs, job training, and probation services. Fund 262 is financed through state grants, such as those from the Michigan Department of Corrections, as well as local funding sources.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
262-000.000-664.001	INVESTMENT INTEREST			750	300
262-352.100-539.000	STATE GRANTS	12,125	8,000	14,125	15,000
262-352.102-539.000	STATE GRANTS	27,690	12,000	30,000	88,630
TOTAL ESTIMATED REVENUES		39,815	20,000	44,875	103,930
	APPROPRIATIONS				
262-352.108-801.100	SERVICES - CONTRACTUAL	27,690	20,000	30,000	103,630
TOTAL APPROPRIATIONS		27,690	20,000	30,000	103,630
NET OF REVENUES/APPROPRIATIONS - FUND 262		12,125		14,875	300
	BEGINNING FUND BALANCE	38,958	51,083	51,083	65,958
	ENDING FUND BALANCE	51,083	51,083	65,958	66,258

FUND 263 : CONCEALED PISTOL

This fund is dedicated to supporting the administration of concealed pistol licenses (CPL) within the community. This fund covers the costs associated with processing CPL applications, conducting background checks, and issuing licenses in accordance with state laws and regulations. Revenue is typically generated from fees paid by applicants seeking a concealed pistol license.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
263-000.000-664.001	INVESTMENT INTEREST			2,000	2,000
263-215.000-450.752	PISTOL PERMITS	35,626	32,000	32,000	32,000
TOTAL ESTIMATED REVENUES		35,626	32,000	34,000	34,000
	APPROPRIATIONS				
263-215.000-701.020	WAGES - CLASSIFIED, SUPPORT	18,972	18,506	18,506	18,509
263-215.000-715.001	BENEFITS - FICA	1,451	1,416	1,416	1,420
263-215.000-715.500	BENEFITS - WORKERS COMP	55	57	57	
263-215.000-726.001	SUPPLIES - OFFICE	1,500	6,000	6,000	6,000
263-215.000-850.001	OPERATING - POSTAGE	1,659	1,300	1,300	1,300
263-215.000-850.910	OPERATING - TRAVEL		350	350	350
263-215.000-960.000	INDIRECT COST ALLOCATION	1,407	1,407	1,407	4,005
263-215.000-970.000	CAPITAL OUTLAY				20,000
263-215.000-995.990	OTHER - MISCELLANEOUS		1,950		
TOTAL APPROPRIATIONS		25,044	30,986	29,036	51,584
NET OF REVENUES/APPROPRIATIONS - FUND 263		10,582	1,014	4,964	(17,584)
	BEGINNING FUND BALANCE	107,550	118,132	118,132	123,096
	ENDING FUND BALANCE	118,132	119,146	123,096	105,512

FUND 264: CORRECTIONS TRAINING FUND

This fund is designated to support the training and development of corrections personnel. This fund provides financial resources for a range of training programs, including mandatory certifications, continuing education, and specialized instruction for correctional officers and staff. The goal of Fund 264 is to ensure that corrections personnel are well-equipped with the knowledge and skills needed to maintain safety, security, and professionalism in correctional facilities and community-based programs.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
264-351.000-600.205	BOOKING FEE	11,581	10,000	10,000	10,000
	TOTAL ESTIMATED REVENUES	11,581	10,000	10,000	10,000
	APPROPRIATIONS				
264-351.000-701.052	WAGES - UNION, JAIL OFFICERS & CLERKS			4,000	3,500
264-351.000-701.055	WAGES - UNION, CORRECTIONS COMMAND			169	
264-351.000-701.080	WAGES - OVERTIME	5,020	5,700		
264-351.000-715.001	BENEFITS - FICA	365	421	421	270
264-351.000-715.100	BENEFITS - HEALTH INSURANCE	1,393	1,596		
264-351.000-715.275	BENEFITS - LIFE INSURANCE			100	100
264-351.000-715.500	BENEFITS - WORKERS COMP	115	263	263	263
264-351.000-715.820	BENEFITS - MERS, JAIL OFFICERS & CLERKS	427	485	485	300
264-351.000-850.153	OPERATING - TRAINING	2,769	1,535	2,600	3,500
264-351.000-960.000	INDIRECT COST ALLOCATION	391			1,707
	TOTAL APPROPRIATIONS	10,480	10,000	8,038	9,640
NET OF REVENUES/APPROPRIATIONS - FUND 264		1,101		1,962	360
	BEGINNING FUND BALANCE	10,385	11,487	11,487	13,449
	ENDING FUND BALANCE	11,486	11,487	13,449	13,809

FUND 265: VEHICLE FORFEITURE FUND

This fund is established to manage and allocate revenue derived from the forfeiture of vehicles. The revenue is used to enhance and support related activities and initiatives, ensuring that forfeiture proceeds are utilized effectively in accordance with legal and organizational guidelines.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
ESTIMATED REVENUES					
265-000.000-664.001	INVESTMENT INTEREST			75	75
TOTAL ESTIMATED REVENUES				75	75
NET OF REVENUES/APPROPRIATIONS - FUND 265				75	75
	BEGINNING FUND BALANCE	3,322	3,322	3,322	3,397
	ENDING FUND BALANCE	3,322	3,322	3,397	3,472

FUND 266: SOBRIETY/DRUG COURT FUND

This fund supports the specialized Sobriety and Drug Court programs, which are designed to provide an alternative to traditional criminal justice approaches for individuals struggling with substance abuse. These programs offer a combination of judicial supervision, treatment, and rehabilitation services aimed at addressing the root causes of addiction-related criminal behavior. The fund covers the costs of program operations, including treatment services, drug testing, case management, and other supportive services

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
266-000.000-664.001	INVESTMENT INTEREST			3,000	2,000
266-131.050-539.106	CASEFLOW ASSISTANCE		300		
266-131.150-600.200	DRUG COURT FEES	6,086	2,500	6,500	2,500
266-131.225-539.000	STATE GRANTS	161,669	54,000	54,000	40,000
266-131.250-501.000	FEDERAL GRANTS		110,000		
266-131.350-539.000	STATE GRANTS	40,391	14,500	14,500	37,000
266-136.010-600.101	PROBATION OVERSIGHT FEE			350	350
266-136.010-600.204	CIVIL FEE	9,995	9,000	9,000	8,000
266-136.050-539.106	CASEFLOW ASSISTANCE	7,807	10,000	10,000	8,000
266-136.100-539.000	STATE GRANTS	140,500	138,000	32,134	149,000
266-136.100-600.266	FEES	7,318		4,000	3,000
266-136.150-539.000	STATE GRANTS	17,528	19,000	15,202	67,950
266-136.150-600.266	FEES	1,275		400	300
266-136.250-501.000	FEDERAL GRANTS			68,970	
266-136.250-539.000	STATE GRANTS	30,830			
	TOTAL ESTIMATED REVENUES	423,399	357,300	218,056	318,100
	APPROPRIATIONS				
266-000.000-960.000	INDIRECT COST ALLOCATION	14,879			
266-131.050-726.000	SUPPLIES		550	550	550
266-131.150-801.202	FEES - OTHER	128			
266-131.150-850.910	OPERATING - TRAVEL			200	200
266-131.225-726.001	SUPPLIES - OFFICE	677	900	900	900
266-131.225-801.100	SERVICES - CONTRACTUAL	79,624	35,000	80,000	80,000
266-131.225-850.910	OPERATING - TRAVEL		3,500	3,500	3,500
266-131.250-701.020	WAGES - CLASSIFIED, SUPPORT	49,306	46,931	46,931	55,310
266-131.250-715.001	BENEFITS - FICA	3,463	3,590	3,590	4,231
266-131.250-715.275	BENEFITS - LIFE INSURANCE	18	23	500	575
266-131.250-715.500	BENEFITS - WORKERS COMP	728	1,137	1,137	155
266-131.250-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	1,860	2,347	2,347	2,610
266-131.250-801.100	SERVICES - CONTRACTUAL		50,000	50,000	

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
266-131.250-801.201	FEES - RECOVERY COURT		5,500	5,500	
266-131.350-801.100	SERVICES - CONTRACTUAL	25,414	18,000	18,000	18,000
266-136.010-726.000	SUPPLIES	7,370	8,000	8,000	8,000
266-136.050-726.000	SUPPLIES	9,275	10,000	10,000	10,000
266-136.100-726.000	SUPPLIES	298			
266-136.100-726.911	SUPPLIES - WORKBOOKS	309			
266-136.100-726.912	SUPPLIES - INCENTIVES	874	500	1,899	1,900
266-136.100-726.913	SUPPLIES - GRAD SUPPLIES	626	1,150	200	200
266-136.100-801.000	PROFESSIONAL & CONTRACTUAL SERVICES	3,875	4,400		
266-136.100-801.010	SERVICES - COUNSELING	101,734	100,000	27,145	25,000
266-136.100-801.906	SERVICES - CONTRACTUAL TESTING	23,827	31,500		
266-136.100-801.907	SERVICES - CONTRACTUAL DEFENSE			3,100	3,100
266-136.100-801.908	CONTRACTED SERVICES - ASL SERVICES	6,250			
266-136.150-726.912	SUPPLIES - INCENTIVES	406	300	744	744
266-136.150-801.010	SERVICES - CONTRACTUAL COUNSELING	410		4,268	4,268
266-136.150-801.100	SERVICES - CONTRACTUAL	6,783	8,000	100	
266-136.150-801.906	SERVICES- CONTRACTUAL TESTING	10,561	10,000	7,640	7,640
266-136.150-801.907	SERVICES - CONTRACTUAL DEFENSE			1,515	
266-136.150-850.910	OPERATING - TRAVEL	279		4,500	4,500
266-136.250-801.100	SERVICES - CONTRACTUAL	38,815		47,449	48,000
266-136.250-801.906	SERVICES- CONTRACTUAL TESTING			20,765	21,000
266-136.250-850.910	OPERATING - TRAVEL			756	850
	TOTAL APPROPRIATIONS	387,789	341,328	351,236	301,233
	NET OF REVENUES/APPROPRIATIONS - FUND 266	35,610	15,972	(133,180)	16,867
	BEGINNING FUND BALANCE	233,737	269,349	269,349	136,169
	ENDING FUND BALANCE	269,347	285,321	136,169	153,036

FUND 267 : SPECIAL INVESTIGATIVE FUND

Fund 267 is dedicated to financing specialized investigative activities and operations. Revenue for this fund is generated from foreitures, and it is allocated to support initiatives that require additional resources beyond standard operational budgets. This fund ensures that critical investigations receive the necessary funding for advanced tools, training, and personnel, contributing to enhanced effectiveness and successful outcomes in investigative efforts.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
267-301.001-655.500	FORFEITURES	314	500	500	500
TOTAL ESTIMATED REVENUES		314	500	500	500
	APPROPRIATIONS				
267-301.001-995.990	OTHER - MISCELLANEOUS		500	500	500
TOTAL APPROPRIATIONS			500	500	500
NET OF REVENUES/APPROPRIATIONS - FUND 267		314			
	BEGINNING FUND BALANCE	1,024	1,338	1,338	1,338
	ENDING FUND BALANCE	1,338	1,338	1,338	1,338

FUND 268: DRUG FOREITURE FUND

This fund is designed to manage and allocate revenue obtained from the forfeiture of assets related to drug-related offenses. The revenue is directed toward enhancing the effectiveness of drug enforcement activities and supporting initiatives aimed at reducing drug-related crime and its impact on the community.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
268-267.000-655.502	DRUG FORFEITURE	2,359	2,000	2,000	500
268-301.001-664.001	INVESTMENT INTEREST	3,403	1,800	700	500
TOTAL ESTIMATED REVENUES		5,762	3,800	2,700	1,000
	APPROPRIATIONS				
268-301.001-726.005	SUPPLIES - EQUIPMENT		500	500	500
268-301.001-955.991	OTHER - INCIDENTAL EXPENSE		2,000	2,000	500
TOTAL APPROPRIATIONS			2,500	2,500	1,000
NET OF REVENUES/APPROPRIATIONS - FUND 268		5,762	1,300	200	
BEGINNING FUND BALANCE		40,046	45,808	45,808	46,008
ENDING FUND BALANCE		45,808	47,108	46,008	46,008

FUND 269: LAW LIBRARY FUND

This fund is established to support the operations and maintenance of the law library. Revenue for this fund is allocated to ensure the library's resources are current, comprehensive, and accessible. This includes funding for acquiring legal texts, reference materials, digital resources, and maintaining library facilities. The fund is crucial for providing legal professionals, researchers, and the public with essential tools and information for effective legal research and practice.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
269-000.000-664.001	INVESTMENT INTEREST			600	400
269-145.000-655.102	PENAL FINES	10,430	12,100	10,946	11,000
TOTAL ESTIMATED REVENUES		10,430	12,100	11,546	11,400
	APPROPRIATIONS				
269-145.000-726.500	SUPPLIES - LAW BOOKS	11,889	15,400	15,400	11,000
TOTAL APPROPRIATIONS		11,889	15,400	15,400	11,000
NET OF REVENUES/APPROPRIATIONS - FUND 269		(1,459)	(3,300)	(3,854)	400
BEGINNING FUND BALANCE		48,748	47,289	47,289	43,435
ENDING FUND BALANCE		47,289	43,989	43,435	43,835

FUND 274: CDBG HOUSING GRANT FUND

This fund is dedicated to managing the resources provided by Community Development Block Grant (CDBG) programs specifically aimed at housing initiatives. This fund is used to support affordable housing projects, housing rehabilitation, and other community development efforts that benefit low- and moderate-income households. The CDBG Housing Grant Fund is instrumental in addressing housing needs, improving living conditions, and fostering sustainable communities.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
274-000.000-664.001	INVESTMENT INTEREST			300	300
274-700.001-664.001	INVESTMENT INTEREST	87		6	
274-700.001-671.000	OTHER REVENUE	45,337	30,000	30,000	30,000
TOTAL ESTIMATED REVENUES		45,424	30,000	30,306	30,300
	APPROPRIATIONS				
274-700.001-801.052	SERVICES - ADMINISTRATIVE	6		29	
274-700.001-801.100	SERVICES - CONTRACTUAL	44,064	30,000	30,000	30,000
TOTAL APPROPRIATIONS		44,070	30,000	30,029	30,000
NET OF REVENUES/APPROPRIATIONS - FUND 274		1,354		277	300
	BEGINNING FUND BALANCE	22,012	23,367	23,367	23,644
	ENDING FUND BALANCE	23,366	23,367	23,644	23,944

FUND 276: OCYS BASIC GRANT FUND

This fund supports the operations of the Office of Child and Youth Services (OCYS) through the Basic Grant program. This fund provides financial resources for essential services aimed at promoting the well-being and development of children and youth within the community. The OCYS Basic Grant Fund is typically used to support a variety of programs, including child welfare services, early intervention, prevention initiatives, and family support programs.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
276-662.000-400.000	REVENUE CONTROL	68,771	56,200	56,520	56,520
276-662.000-699.101	TRANSFER IN - GENERAL FUND	2,079			
	TOTAL ESTIMATED REVENUES	70,850	56,200	56,520	56,520
	APPROPRIATIONS				
276-149.000-701.020	WAGES - CLASSIFIED, SUPPORT	36,822	27,353	27,353	
276-149.000-715.001	BENEFITS - FICA	2,817	2,092	2,092	
276-149.000-715.100	BENEFITS - HEALTH INSURANCE	5,139	3,817	3,817	
276-149.000-715.500	BENEFITS - WORKERS COMP	511	379	535	
276-149.000-715.801	BENEFITS - RETIREMENT, COUNTY PLAN	2,712	2,015	2,015	
276-662.000-801.100	SERVICES - CONTRACTUAL	23,253	20,544	20,544	44,120
276-662.000-850.153	OPERATING - TRAINING			164	5,940
276-662.000-850.910	OPERATING - TRAVEL				6,460
	TOTAL APPROPRIATIONS	71,254	56,200	56,520	56,520
	NET OF REVENUES/APPROPRIATIONS - FUND 276	(404)			
	BEGINNING FUND BALANCE	404	1	1	1
	ENDING FUND BALANCE		1	1	1

FUND 293: SOLDIERS & SAILORS RELIEF FUND

This fund is dedicated to providing financial assistance and support to soldiers, sailors, and their families. This fund is designed to address the unique needs of military personnel, veterans, and their dependents by offering relief in times of financial hardship. It supports a variety of services, including emergency financial aid, housing assistance, and other essential resources. The fund aims to honor and support those who have served by ensuring they receive the necessary help and support to maintain their well-being and stability.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
293-681.002-699.000	TRANSFERS IN	5,000	10,000	10,000	10,000
TOTAL ESTIMATED REVENUES		5,000	10,000	10,000	10,000
	APPROPRIATIONS				
293-681.002-955.990	OTHER - MISCELLANEOUS	11,482	10,000	15,000	10,000
TOTAL APPROPRIATIONS		11,482	10,000	15,000	10,000
NET OF REVENUES/APPROPRIATIONS - FUND 293		(6,482)		(5,000)	
	BEGINNING FUND BALANCE	22,542	16,060	16,060	11,060
	ENDING FUND BALANCE	16,060	16,060	11,060	11,060

FUND 296: COURT SECURITY FUND

This fund is dedicated to enhancing the security and safety of the court system. This fund provides financial resources for the implementation and maintenance of security measures within court facilities, including staffing, equipment, and technology. The Court Security Fund ensures that courtrooms, judges, staff, and the public are protected during legal proceedings, helping to create a secure environment for the administration of justice.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
296-000.000-664.001	INVESTMENT INTEREST			7,000	3,000
296-137.002-600.100	COURT COSTS	32,905	34,000	34,000	30,000
296-137.002-699.101	TRANSFER IN - GENERAL FUND	334,403	160,000	160,000	
	TOTAL ESTIMATED REVENUES	367,308	194,000	201,000	33,000
	APPROPRIATIONS				
296-137.002-701.051	WAGES - UNION, DEPUTIES	127,107	147,728	147,728	127,000
296-137.002-701.053	WAGES - UNION, COMMAND OFFICERS	18,139	73,216	25,000	74,881
296-137.002-701.080	WAGES - OVERTIME			106	1,000
296-137.002-715.001	BENEFITS - FICA	11,345	17,037	17,037	15,400
296-137.002-715.100	BENEFITS - HEALTH INSURANCE	6,449	26,149	11,000	25,305
296-137.002-715.270	BENEFITS - HSA EMPLOYER		900		900
296-137.002-715.275	BENEFITS - LIFE INSURANCE	63	205	205	730
296-137.002-715.500	BENEFITS - WORKERS COMP	5,150	6,107	6,107	7,000
296-137.002-715.824	BENEFITS - MERS, COMMAND, DEPUTIES	4,870	15,698	6,500	13,400
296-137.002-726.001	SUPPLIES - OFFICE	1,797	350	350	350
296-137.002-726.005	SUPPLIES - EQUIPMENT	3,180			
296-137.002-726.150	SUPPLIES - UNIFORMS	1,734		500	500
	TOTAL APPROPRIATIONS	179,834	287,390	214,533	266,466
	NET OF REVENUES/APPROPRIATIONS - FUND 296	187,474	(93,390)	(13,533)	(233,466)
	BEGINNING FUND BALANCE	74,778	262,253	262,253	248,720
	ENDING FUND BALANCE	262,252	168,863	248,720	15,254

FUND 722: GREENVIEW POINT MAINTENANCE FUND

This fund is established to support the ongoing maintenance and upkeep of Greenview Point. This fund is used to finance regular landscaping, repairs, and improvements to ensure that Greenview Point remains a clean, safe, and attractive environment for residents and visitors. The fund covers expenses related to groundskeeping, facility maintenance, and any necessary infrastructure upgrades. It is essential to preserving the beauty and functionality of Greenview Point as a valuable community asset.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
722-751.000-699.101	TRANSFER IN - GENERAL FUND	3,445			
722-751.020-671.300	CONTRIBUTIONS & DONATIONS			46,700	7,000
	TOTAL ESTIMATED REVENUES	3,445		46,700	7,000
	APPROPRIATIONS				
722-751.020-726.000	SUPPLIES	114		183	200
722-751.020-801.000	PROFESSIONAL & CONTRACTUAL SERVICES	4,316		35,000	6,000
722-751.020-850.800	OPERATING - UTILITIES	463		550	800
	TOTAL APPROPRIATIONS	4,893		35,733	7,000
	NET OF REVENUES/APPROPRIATIONS - FUND 722	(1,448)		10,967	
	BEGINNING FUND BALANCE	1,448			10,967
	ENDING FUND BALANCE			10,967	10,967

FUND 581: AIRPORT FUND

This fund is dedicated to the operation, maintenance, and development of the community's airport facilities. This fund supports a wide range of activities, including airport infrastructure improvements, daily operations, and aviation services. The Airport Fund ensures that the airport remains a vital hub for transportation, economic development, and public access to air travel.

Revenue for Fund 581 typically comes from a combination of sources, such as landing fees, hangar rentals, fuel sales, and grants. These resources are used to maintain runways, upgrade facilities, and ensure compliance with federal and state aviation regulations. Fund 581 plays a crucial role in supporting the airport's ability to serve both commercial and private aviation needs, contributing to the local economy and ensuring safe and efficient air travel for the community.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
581-000.000-664.001	INVESTMENT INTEREST			1,250	1,000
581-500.000-539.000	STATE GRANTS	2,000			
581-500.000-600.200	FEES	2,510	2,600	2,600	1,000
581-500.000-642.000	SALES - FUEL	163,946	170,000	170,000	170,000
581-500.000-664.500	RENT	8,000	9,000	9,000	9,600
581-500.000-664.550	AIRPORT LAND LEASE	52,942	40,000	40,000	35,000
581-500.000-664.552	RENT, AIRPORT FARMLAND LEASE		7,640	7,640	7,640
581-500.000-664.553	AIRPORT "T" HANGAR RENT	66,656	50,000	50,000	50,000
581-500.000-671.000	OTHER REVENUE		1,000		
581-500.000-699.000	TRANSFERS IN	105,326			
581-500.000-699.101	TRANSFER IN - GENERAL FUND	53,681	25,000	25,000	
581-500.000-699.102	TRANSFER IN - GENERAL FUND DESIGNATED				28,000
	TOTAL ESTIMATED REVENUES	455,061	305,240	305,490	302,240
	APPROPRIATIONS				
581-500.000-701.200	WAGES - PER DIEM	400	1,000		
581-500.000-715.001	BENEFITS - FICA	29	50		
581-500.000-715.100	BENEFITS - HEALTH INSURANCE	184	500		
581-500.000-715.275	BENEFITS - LIFE INSURANCE	1			
581-500.000-715.500	BENEFITS - WORKERS COMP	1			
581-500.000-726.800	SUPPLIES - BUILDING MAINTENANCE	1,142		11,143	
581-500.000-726.910	SUPPLIES - GASOLINE	147,667	145,000	145,000	145,000
581-500.000-801.050	SERVICES - CONSULTANTS	3,558	2,500	2,500	3,000
581-500.000-801.821	SERVICES - AIRPORT MANAGER	113,551	112,000	116,853	126,534
581-500.000-801.900	SERVICES - VEHICLE MAINTENANCE		1,000	1,000	1,000
581-500.000-850.800	OPERATING - UTILITIES	12,005	10,500	10,500	10,500
581-500.000-955.001	OTHER - INSURANCE & BONDS	2,553	2,600	2,553	2,533
581-500.000-955.990	OTHER-MISCELLANEOUS	8,065	8,000	8,000	8,000
581-500.000-960.000	INDIRECT COST ALLOCATION	22,928		7,941	7,941
581-500.000-968.000	DEPRECIATION	41,775			
581-500.000-970.000	CAPITAL OUTLAY				28,000
581-500.000-970.820	CAPITAL - FACILITY IMPROVEMENTS	(12,279)			
	TOTAL APPROPRIATIONS	341,580	283,150	305,490	332,508
NET OF REVENUES/APPROPRIATIONS - FUND 581		113,481	22,090		(30,268)
	BEGINNING FUND BALANCE	605,213	718,692	718,692	718,692
	ENDING FUND BALANCE	718,694	740,782	718,692	688,424
	Invested in Capital Assets (2023 Audit)				654,582
	Anticipated Unrestricted Net Position				33,842

FUND 724: MID WEST MICHIGAN TRAIL AUTHORITY

This fund is dedicated to supporting the operations, development, and maintenance of trails managed by the Midwest Michigan Trail Authority. This fund is used to ensure the ongoing care and improvement of the trail system, including trail construction, repairs, and enhancements. It also supports programs that promote outdoor recreation, conservation, and community engagement along the trail network. Fund 724 plays a vital role in preserving and expanding recreational opportunities while fostering a healthy and active lifestyle for residents and visitors in the Midwest Michigan region.

GL NUMBER	DESCRIPTION	2023 ACTIVITY	2024 ORIGINAL BUDGET	2024 PROJECTED ACTIVITY	2025 BUDGET
	ESTIMATED REVENUES				
724-000.000-687.000	REFUNDS/REBATES			477	
724-755.000-671.300	CONTRIBUTIONS & DONATIONS	100,000	60,000	70,000	60,000
TOTAL ESTIMATED REVENUES		100,000	60,000	70,477	60,000
	APPROPRIATIONS				
724-755.000-801.000	PROFESSIONAL & CONTRACTUAL SERVICES	177,252	60,000	180,000	50,000
724-755.000-955.000	OTHER EXPENSES	338		300	300
724-755.100-801.000	PROFESSIONAL & CONTRACTUAL SERVICES	4,711		4,485	5,000
TOTAL APPROPRIATIONS		182,301	60,000	184,785	55,300
NET OF REVENUES/APPROPRIATIONS - FUND 724		(82,301)		(114,308)	4,700
	BEGINNING FUND BALANCE	200,995	118,694	118,694	4,386
	ENDING FUND BALANCE	118,694	118,694	4,386	9,086

IONIA COUNTY PENSION PLAN

Investment Update and Commentary
October 2024

Presented by:

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Ionia County Pension Plan
Proposed Changes for 2024

1) ***Remove AB Income Advisor Fund and reallocate the percentage between existing income funds in the portfolio. Manager is not performing well relative to peers over a longer time horizon, and there is duplication of returns within the income funds.***

    a. ***See "correlation report" for details on duplication of returns.***

2) ***Full rebalance of portfolio back to model weighting after removing AB Income Advisor Fund.***
3) ***Acceptance of updated Investment Policy Statement***

Considerations:

a) This portfolio was developed in 2006 to be highly focused on Exchange Trade Funds (ETFs), thus keeping the internal fund expenses low. At that time, the board agreed if an asset class did not have a corresponding ETF, an actively managed fund could then be utilized. The advisor receives no additional compensation for utilizing active over passive management holdings.

b) There are no transaction fees to the County for the addition or elimination of the holdings nor fees involved with rebalancing the portfolio.

Current Allocation

Asset Category	*Security Name*	*Asset Class*	*Symbol*	*Current Allocation*	*Model Allocation*	*Difference*
Equity	Fidelity Global ex US Index Fund	International Developed	FSGGX	11.51	11.00	0.51
Equity	Fidelity Large Cap Growth Fund	US Large Growth	FSPGX	15.94	13.00	2.94
Equity	Fidelity Large Value Index Fund	US Large Value	FLCOX	14.07	13.00	1.07
Equity	Fidelity Mid-Cap Index Fund	US Mid Cap Blend	FSMDX	7.46	7.00	0.46
Equity	Fidelity Small-Cap Index Fund	US Small Blend	FSSNX	5.20	5.00	0.20
Equity	Fidelity Emerging Markets Index Fund	Intern. Emerging Markets	FPADX	3.14	3.00	0.14
Bonds	AB Income Advisor	Intermediate - Term Bd	ACGYX	3.82	4.00	-0.18
Bonds	PGIM Total Return Bond	Multisector Bond	PDBZX	8.61	9.00	-0.39
Bonds	Lord Abbett Bond Debenture R6	Multisector Bond	LBDFX	5.89	6.00	-0.11
Bonds	PIMCO Income Instl	Multisector Bond	PIMIX	10.71	11.00	-0.29
Balanced	Fidelity Real Estate Income Z class	Diversified RE Income	FIKMX	5.01	5.00	0.01
Alternative	BlackRock Systematic Multi-Strat Fund	MultiAlternative Strategy	BIMBX	3.03	3.00	0.03
Alternative	Fidelity MSCI Real Estate ETF	Real Estate Equity	FREL	4.83	5.00	-0.17
Cash	Fidelity Government MMkt Capital Reserve*	Cash	FPRXX	0.79	5.00	-4.21

Proposed Allocation

Asset Category	*Security Name*	*Asset Class*	*Symbol*	*Current Model*	*Proposed Model*	*Difference*
Equity	Fidelity Global ex US Index Fund	International Developed	FSGGX	11.00	11.00	0.00
Equity	Fidelity Large Cap Growth Fund	US Large Growth	FSPGX	13.00	13.00	0.00
Equity	Fidelity Large Value Index Fund	US Large Value	FLCOX	13.00	13.00	0.00
Equity	Fidelity Mid-Cap Index Fund	US Mid Cap Blend	FSMDX	7.00	7.00	0.00
Equity	Fidelity Small-Cap Index Fund	US Small Blend	FSSNX	5.00	5.00	0.00
Equity	Fidelity Emerging Markets Index Fund	Intern. Emerging Markets	FPADX	3.00	3.00	0.00
Bonds	AB Income Advisor	Intermediate - Term Bd	ACGYX	4.00	0.00	-4.00
Bonds	PGIM Total Return Bond	Multisector Bond	PDBZX	9.00	11.00	2.00
Bonds	Lord Abbett Bond Debenture R6	Multisector Bond	LBDFX	6.00	7.00	1.00
Bonds	PIMCO Income Instl	Multisector Bond	PIMIX	11.00	12.00	1.00
Balanced	Fidelity Real Estate Income Z class	Diversified RE Income	FIKMX	5.00	5.00	0.00
Alternative	BlackRock Systematic Multi-Strat Fund	MultiAlternative Strategy	BIMBX	3.00	3.00	0.00
Alternative	Fidelity MSCI Real Estate ETF	Real Estate Equity	FREL	5.00	5.00	0.00
Cash	Fidelity Government MMkt Capital Reserve*	Cash	FPRXX	5.00	5.00	0.00

Ionia County Pension Plan
Investment Commentary October 2024

Since our last review in July 2023, the US large cap equity market has continued its rally upward to new all-time highs posting a 21.91% return year-to-date. Fixed income markets have also shown more stable performance at a return for the year of 3.03% year-to-date. Together, this has translated to a year-to-date return for the portfolio of 12.34% which is far above our current annual target of 6.71%. Given the way the markets work, in good years we expect to be well ahead of the benchmark, as in bad years (like 2022) we will give up some of the gains. In terms of assets, the portfolio has increased by about 28% ($10.44M to $13.37M current value) since the October 2022 low point, including the on-going withdrawals to fund benefit payments.

While we are enjoying positive returns in the last 24 months, we expect the market to continue to behave in unpredictable ways. We take a measured approach with a focus on maintaining a well-balanced portfolio with a high degree of diversification. This allows for periodic rebalancing from parts of the portfolio that have performed relatively well into parts of the portfolio that have performed relatively poorly.

Due to an extended period of relatively poor manager performance, with little additional value in terms of diversification, it is our recommendation to remove the 4% allocation to AB Income Advisor at this time. We recommend 2% be added to PGIM Total Return Bond and 1% each to PIMCO Income and Lord Abbett Bond Debenture. This change should result in a slight performance gain with little to no additional risk. In addition, we recommend rebalancing the portfolio back to the model allocation in conjunction with the fund change.

The withdrawal level on the investment account continues to increase. As a result of the increased need for cash, we changed the cash level in the portfolio from 2% cash to 5% in 2022. This level has allowed us to fund the on-going pension benefit payments through the year. Since July of 2023, the payouts and management fee have reduced the cash position from the original 5% to just 0.79%%. This indicates the current cash position is sufficient (we are 3 months late for this rebalance compared to last year, and still have a few months of buffer).

Future withdrawals are expected to continue to increase over the next 10-15 years as more people start drawing on their pension. We will continue to make adjustments to the portfolio to support withdrawals. Changes will include shifting more money into the cash portion of the portfolio, and the fixed income portion. For the time being, having a substantial portion of the portfolio in equity investments continues to make sense as we build toward future benefit payments.

All funds except for AB Income Advisor have been meeting or exceeding performance expectations compared to their respective benchmarks recently. As a result, we propose the removal of AB Income Advisor. See the investment details reports for further information.

Portfolio Summary

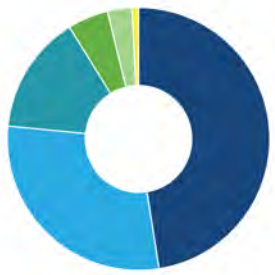
As of 10/13/2024 **Ionia County Pension**

Activity Summary

Beginning Balance (1/1/2024)	$12,182,902.46
Net Contributions / Withdrawals	($296,942.22)
Net Change	$1,480,518.15
Ending Balance (10/13/2024)	**$13,366,478.40**

Accounts	Cash ($)	Value ($)
County Of Ionia Pension Plan Unincorporated Association NFS - PPS Custom (xxxx8221)	105,149.31	13,366,478.40
Total	**$105,149.31**	**$13,366,478.40**

Asset Class (Primary) Allocation



Asset Class (Primary)	Value ($)	(%)
Domestic Equity	6,349,316.12	47.50
Fixed Income	3,880,464.54	29.03
International Equity	1,957,604.48	14.65
Balanced	669,154.03	5.01
Alternative	404,789.91	3.03
Cash and Equivalents	105,149.31	.79
Total	**$13,366,478.40**	**100%**

Asset Category Allocation

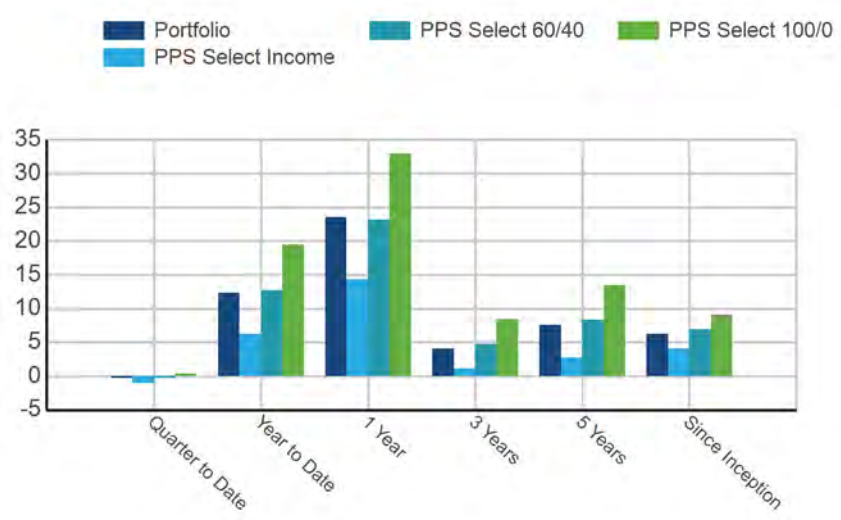


Asset Category	Value ($)	(%)
Multi-Sector Bond	2,219,052.67	16.60
Large-Cap Growth	2,130,797.70	15.94
Large-Cap Value	1,880,031.53	14.07
Intermediate Core-Plus Bond	1,661,411.87	12.43
Foreign Large-Cap Blend	1,538,516.96	11.51
Mid-Cap Blend	997,676.33	7.46
Small-Cap Blend	694,932.81	5.20
Moderate Allocation	669,154.03	5.01
Real Estate	645,877.76	4.83
Emerging Markets	419,087.51	3.14
Multi-Strategy	404,789.91	3.03
Cash and Equivalents	105,149.31	.79
Total	**$13,366,478.40**	**100%**

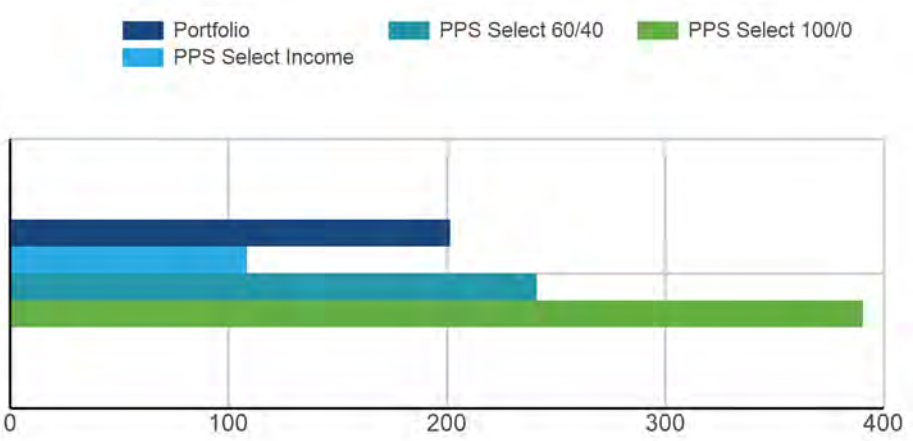
Performance Summary with Account Detail

As of 10/13/2024 **Ionia County Pension**

Annualized Portfolio Rates of Return



Cumulative Returns Since 7/6/2006



Rates of Return

Portfolio vs. Benchmarks	Inception Date	QTD (%)	YTD (%)	Annualized Returns (%) 1 Year (%)	3 Year (%)	5 Year (%)	Since Inception (%)	Cumulative Return Since Inception (%)
Your Portfolio	7/6/2006	-0.30	12.34	23.52	4.06	7.62	6.22	201.41
PPS Select Income	7/6/2006	-1.01	6.25	14.29	1.12	2.75	4.10	108.48
PPS Select 60/40	7/6/2006	-0.26	12.73	23.15	4.79	8.39	6.95	241.23
PPS Select 100/0	7/6/2006	0.38	19.48	32.93	8.47	13.45	9.09	390.72

Rates of Return by Account	Inception Date	QTD (%)	YTD (%)	1 year (%)	3 year (%)	5 year (%)	Since Inception (%)	Cumulative Return Since Inception (%)
County Of Ionia Pension Plan Unincorporated Association NFS - PPS Custom (xxxx8221)	7/6/2006	-0.30	12.34	23.52	4.06	7.62	6.22	201.41

Note: Returns are time-weighted and annualized for any period greater than one year.
This report is incomplete without the accompanying disclosure page.

Report Generated on: 10/14/2024 1:00:35 PM Eastern Time

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Position and account values shown are based on trade date and do not necessarily reflect actual current market prices or the value you would receive upon sale of such assets. Fixed income securities do not account for cost basis adjustments associated with holding these securities. The investment return and principal value of an investment will fluctuate, so an investor's shares, when redeemed, may be worth more or less than their original cost. Certain assets may be illiquid and unavailable for sale at any price. There is no assurance that your investment objective will be attained.

An investment in a money market fund is not insured or guaranteed by the Federal Deposit Insurance Corporation ("FDIC") or any other governmental agency; although the fund seeks to preserve the value of the investment at $1 per share, it is possible to lose money. Non-bank deposit investments are not FDIC- or NCUA-insured, are not guaranteed by the bank/financial institution, and are subject to risk, including loss of principal invested.

*“Current yield”, if reflected in this report, is the percentage of interest (bonds) or dividends (stocks) that the security is yielding based on the security's current price. It is calculated by dividing a bond's current interest rate, or a stock's dividends paid over the prior 12 months, by the current market price of the security as of the date of this statement. Current yield, if reflected in this report, is provided for informational or illustrative purposes only and is not an accurate reflection of the actual return an investor will receive because bond and stock prices are constantly changing due to market factors. “Distribution rate” applies to securities that are not listed or traded on a national securities exchange (i.e., nontraded real estate investment programs). Distribution rates and payments are not guaranteed and may be modified at the program's discretion. Distributions may consist of return of principal (including offering proceeds) or borrowings. A breakdown of the distribution components and the time period during which they have been funded from return of principal, borrowings, or any sources other than cash flow from investment or operations can be found in your tax forms, which the sponsor will provide. When distributions include a return of principal, the program will have less money to invest, which may lower its overall return. When distributions include borrowings, the distribution rate may not be sustainable. Please refer to the relevant prospectus or offering memorandum for additional information and disclosures about the nature of and potential source of funds for distributions relating to nontraded securities.

All returns are shown net of fees unless otherwise indicated. Commonwealth relies upon data, formulas, and software to calculate the performance of portfolios. Periodic software enhancements may possibly cause inconsistencies with some performance calculations. Please notify your advisor if you have reason to believe calculations are incorrect to help ensure proper performance calculations going forward.

Certain assets listed in this report (identified as “Additional Assets” or “Advisor Manually Entered Account(s)”) may not be held through Commonwealth and may not be covered by SIPC. Such assets are not subject to fee billing and are excluded from account performance calculations. Descriptions and valuations of Additional Assets or Advisor Manually Entered Account(s) are based upon information provided by you (or by a third party acting on your behalf) to your advisor, have not been verified by Commonwealth, and may not be accurate or current. The “unknown” label located in the value field indicates that no current value for the holding(s) has been able to be obtained. If you have a custodial statement indicating the current value, and wish to see it listed on future reports, please provide it to your advisor.

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Blended benchmark returns are composed of individual index data and index composition may change over time. All indices are unmanaged and it is not possible to invest directly in an index or blended benchmark. Unlike investments, indices and blended benchmarks do not incur management fees, charges, or expenses.

PPS Select Income - 5.00% Bloomberg 1–3 Month U.S. Treasury Bills; 70.00% Bloomberg US Aggregate Bond; 25.00% MSCI World Index Value (NR) - Rebalance monthly.

PPS Select 60/40 - 45.00% Russell 3000; 6.00% Bloomberg 1–3 Month U.S. Treasury Bills; 34.00% Bloomberg US Aggregate Bond; 15.00% MSCI ACWI ex USA (NR) - Rebalance monthly.

PPS Select 100/0 - 75.00% Russell 3000; 25.00% MSCI ACWI ex USA (NR) - Rebalance monthly.

Russell 3000 - The Russell 3000 Index is composed of 3000 large U.S. companies, as determined by market capitalization. This portfolio of securities represents approximately 98% of the investable U.S. equity market.

Bloomberg 1–3 Month U.S. Treasury Bills - Effective February 8, 2024, the 3-Month U.S. Treasury Bill Benchmark Index, listed on your previous statements as “US Treasury Bills,” was retroactively replaced by the Bloomberg 1–3 Month U.S. Treasury Bill Index to provide a better comparison that incorporates the asset class’s yield performance (i.e., income), in addition to the pricing of the underlying securities. For more information, please contact your advisor. The Bloomberg 1–3 Month U.S. Treasury Bill Index measures the performance of public obligations of the U.S. Treasury with maturities of one to three months.

Bloomberg US Aggregate Bond - The Bloomberg US Aggregate Bond index covers the U.S. investment-grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities.

MSCI ACWI ex USA (NR) - The MSCI ACWI ex USA (Net) is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of Developed and Emerging Markets. The MSCI ACWI ex USA does not include the United States. (Total Return Net USD)

MSCI World Index Value (NR) - The MSCI World Index Value captures large and mid-cap securities exhibiting overall value style characteristics across Developed Market countries. The value investment style characteristics for index construction are defined using three variables: book value to price, 12-month forward earnings to price and dividend yield. (Total Return Net)

Market Insights

Guide selections

October 14, 2024



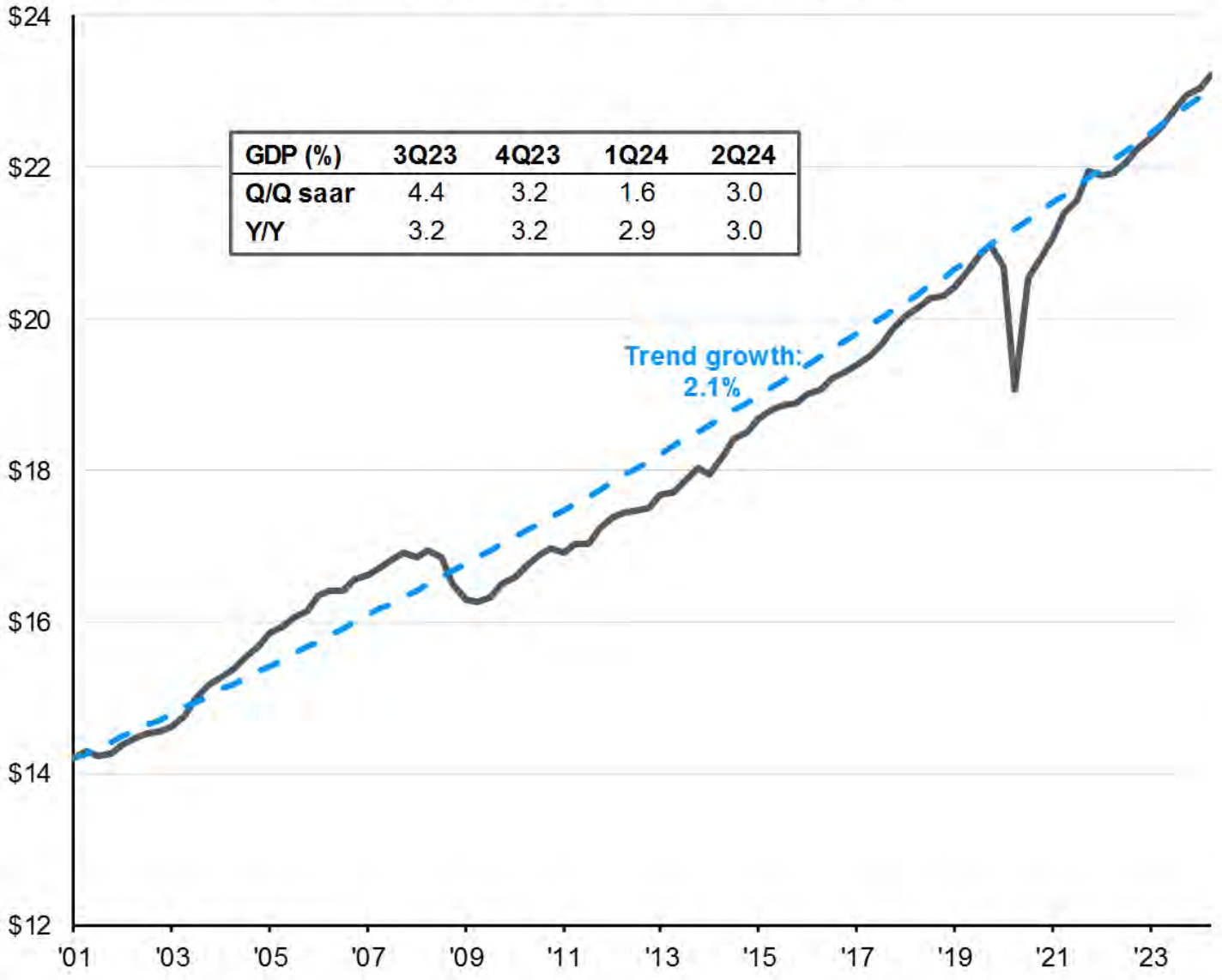
J.P.Morgan
ASSET MANAGEMENT

Economic growth and the composition of GDP

Real GDP

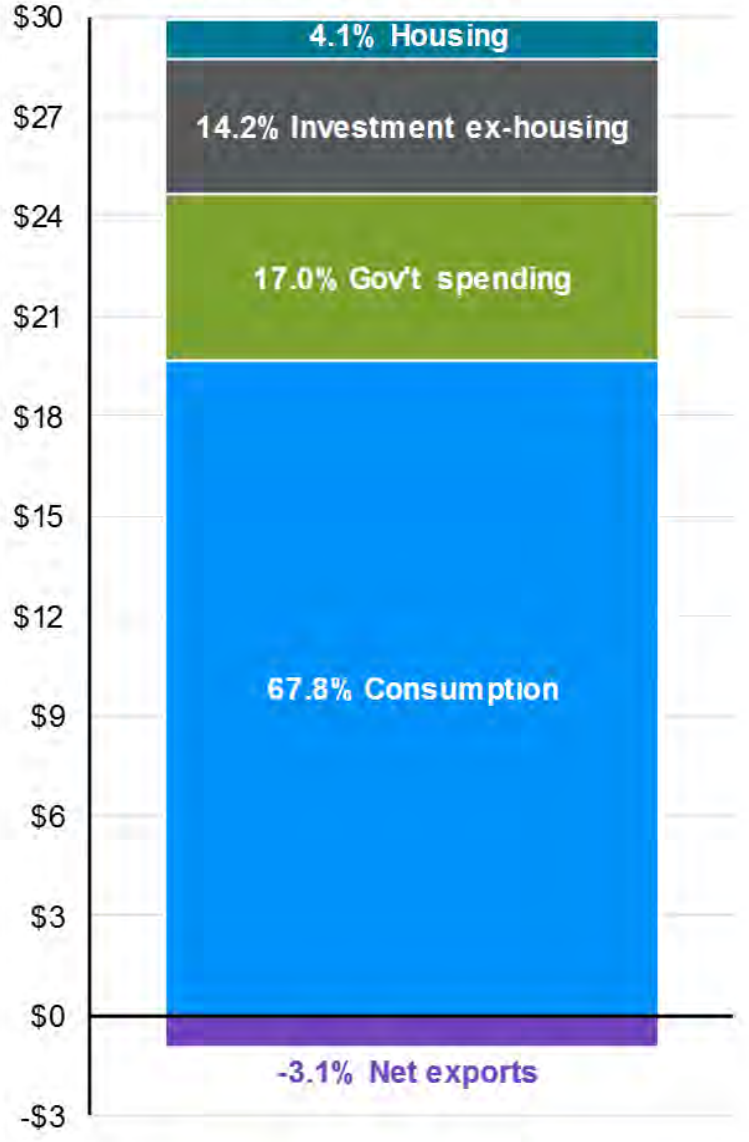
Trillions of chained (2017) dollars, seasonally adjusted at annual rates

GDP (%)	3Q23	4Q23	1Q24	2Q24
Q/Q saar	4.4	3.2	1.6	3.0
Y/Y	3.2	3.2	2.9	3.0



Components of GDP

2Q24 nominal GDP, USD trillions



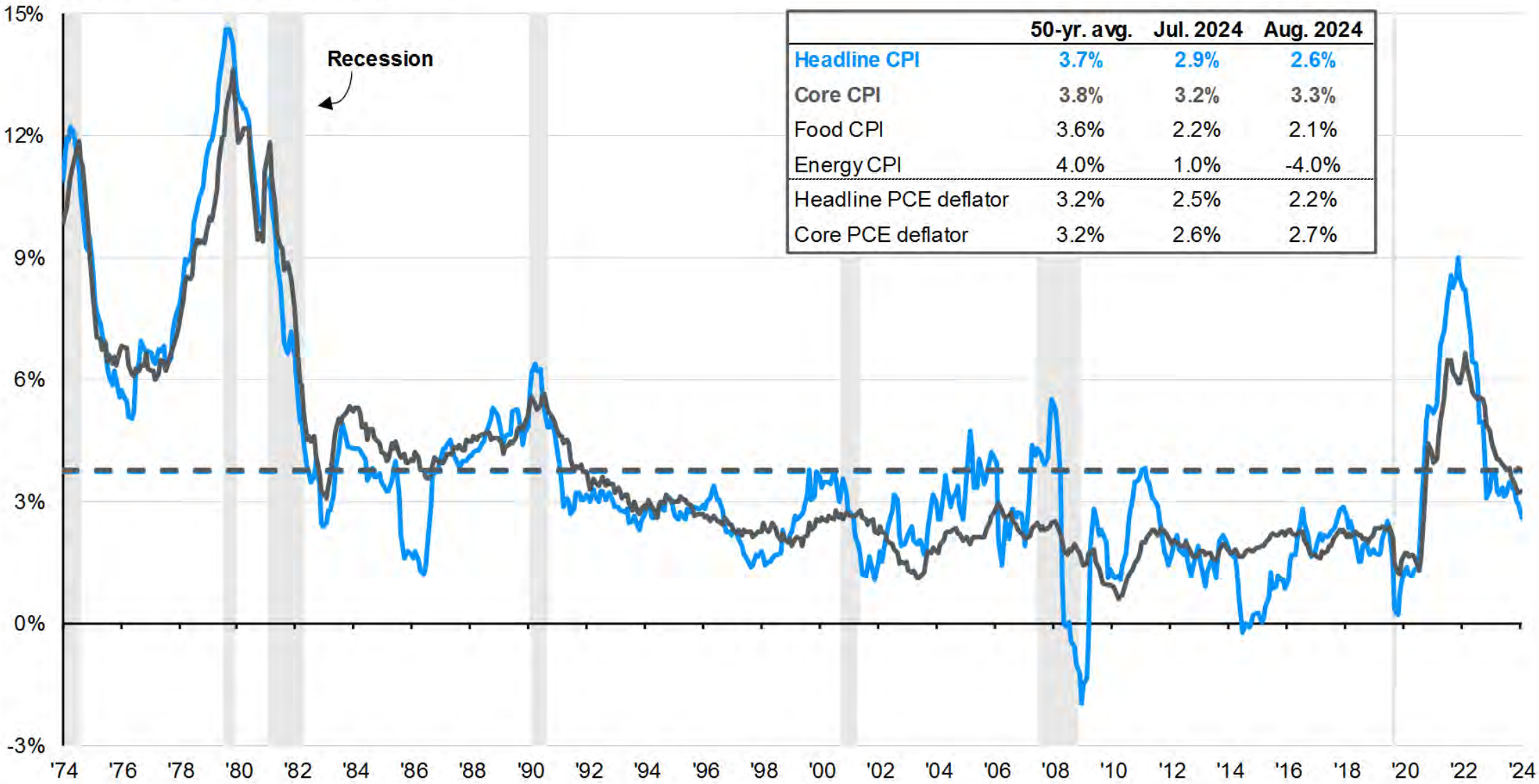
Source: BEA, FactSet, J.P. Morgan Asset Management. Values may not sum to 100% due to rounding. Trend growth is measured as the average annual growth rate from business cycle peak 1Q01 to business cycle peak 4Q19.
Guide to the Markets – U.S. Data are as of September 30, 2024.

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Inflation

CPI and core CPI

% change vs. prior year, seasonally adjusted



	50-yr. avg.	Jul. 2024	Aug. 2024
Headline CPI	3.7%	2.9%	2.6%
Core CPI	3.8%	3.2%	3.3%
Food CPI	3.6%	2.2%	2.1%
Energy CPI	4.0%	1.0%	-4.0%
Headline PCE deflator	3.2%	2.5%	2.2%
Core PCE deflator	3.2%	2.6%	2.7%

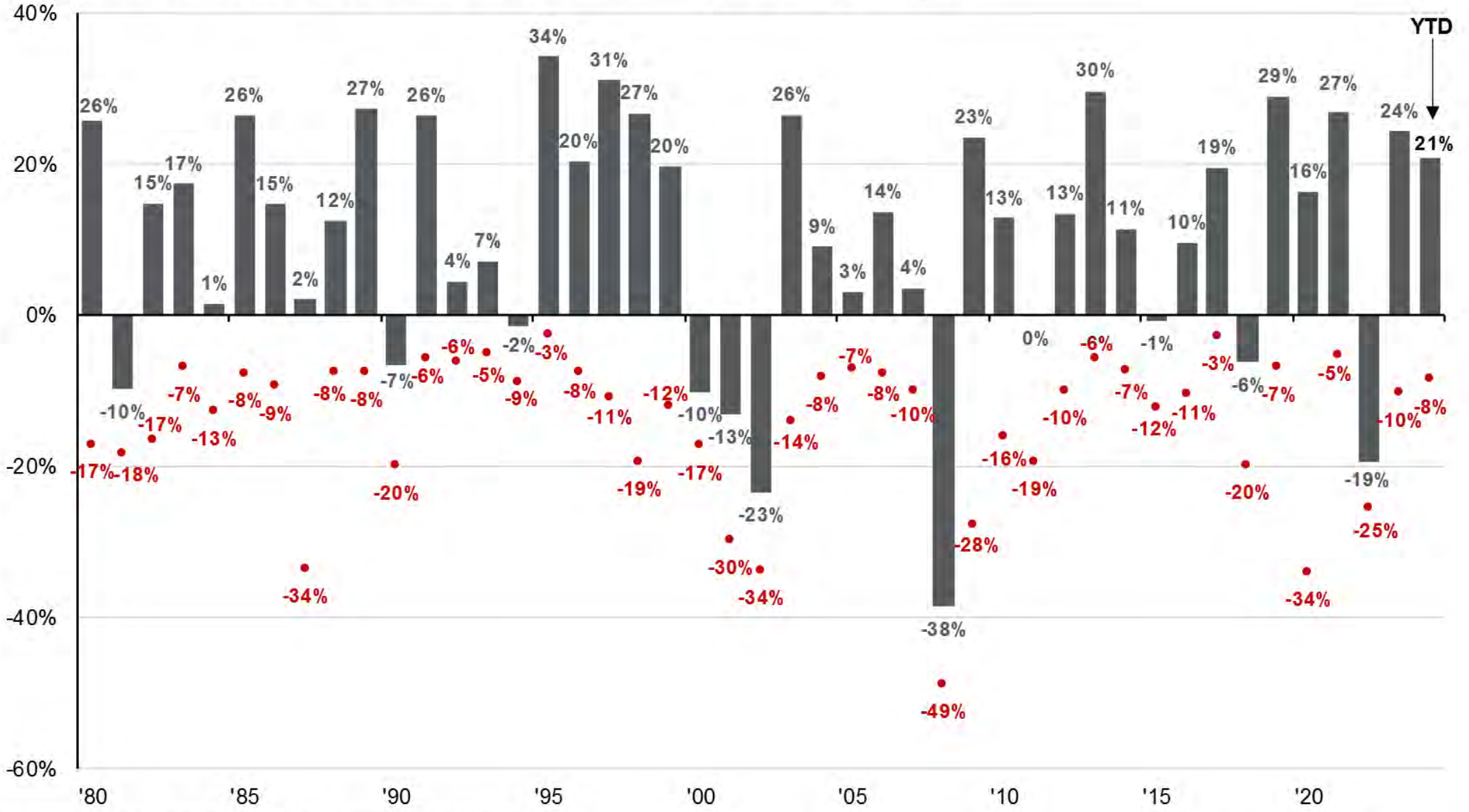
Source: BLS, FactSet, J.P. Morgan Asset Management.
CPI used is CPI-U and values shown are % change vs. one year ago. Core CPI is defined as CPI excluding food and energy prices. The Personal Consumption Expenditure (PCE) deflator employs an evolving chain-weighted basket of consumer expenditures instead of the fixed-weight basket used in CPI calculations.
Guide to the Markets – U.S. Data are as of September 30, 2024.

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Annual returns and intra-year declines

S&P intra-year declines vs. calendar year returns

Despite average intra-year drops of 14.2%, annual returns were positive in 33 of 44 years



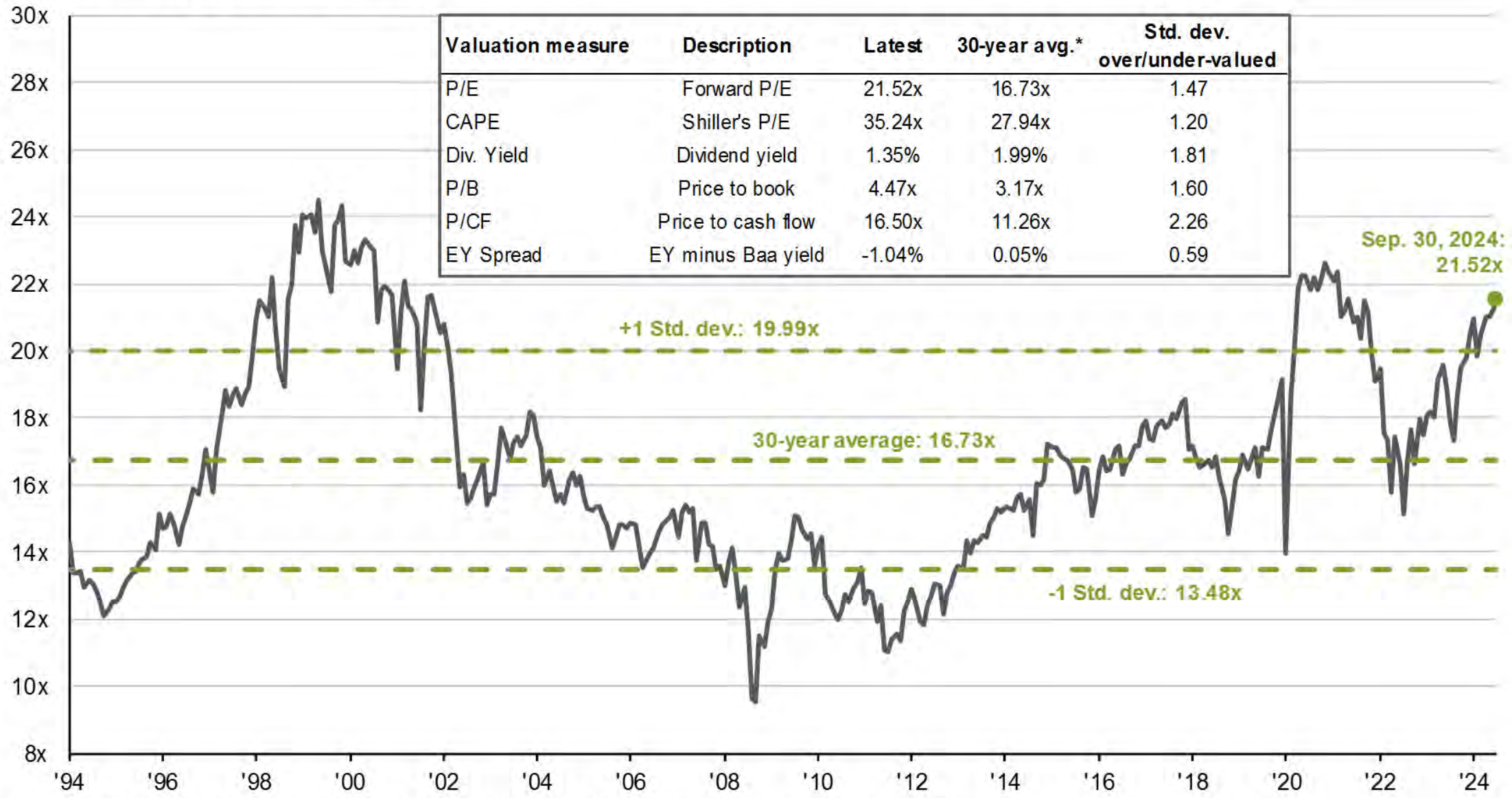
Source: FactSet, Standard & Poor's, J.P. Morgan Asset Management.
Returns are based on price index only and do not include dividends. Intra-year drops refers to the largest market drops from a peak to a trough during the year. For illustrative purposes only. Returns shown are calendar year returns from 1980 to 2023, over which time period the average annual return was 10.3%.
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S&P 500 valuation measures

S&P 500 Index: Forward P/E ratio

Valuation measure	Description	Latest	30-year avg.*	Std. dev. over/under-valued
P/E	Forward P/E	21.52x	16.73x	1.47
CAPE	Shiller's P/E	35.24x	27.94x	1.20
Div. Yield	Dividend yield	1.35%	1.99%	1.81
P/B	Price to book	4.47x	3.17x	1.60
P/CF	Price to cash flow	16.50x	11.26x	2.26
EY Spread	EY minus Baa yield	-1.04%	0.05%	0.59



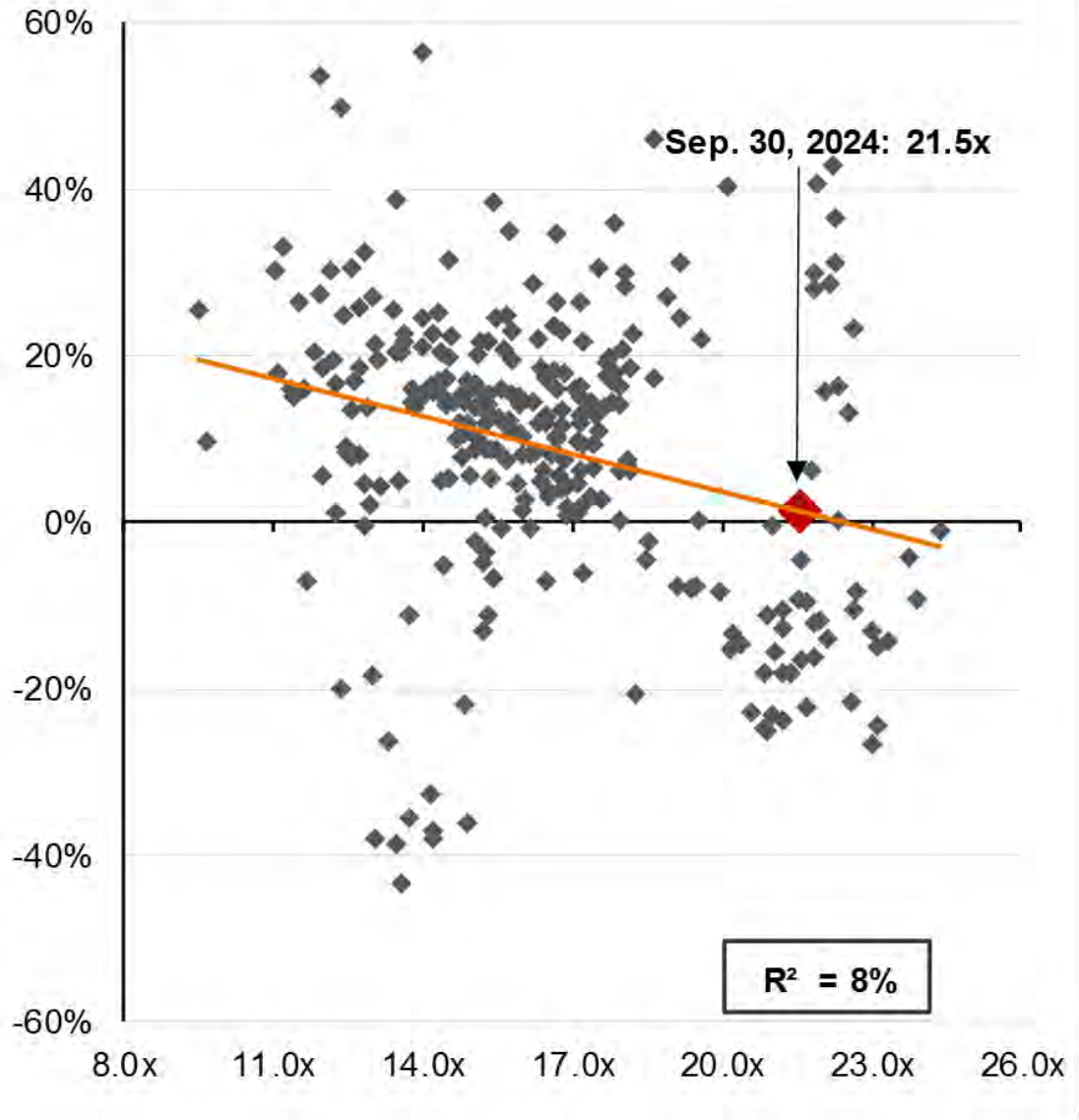
Source: FactSet, FRB, Refinitiv Datastream, Robert Shiller, Standard & Poor's, Thomson Reuters, J.P. Morgan Asset Management.
Price-to-earnings is price divided by consensus analyst estimates of earnings per share for the next 12 months as provided by IBES since March 1994 and by FactSet since January 2022. Average P/E and standard deviations are calculated using 30 years of history. Shiller's P/E uses trailing 10-years of inflation-adjusted earnings as reported by companies. Dividend yield is calculated as the next 12-months consensus dividend divided by most recent price. Price-to-book ratio is the price divided by book value per share. Price-to-cash flow is price divided by NTM cash flow. EY minus Baa yield is the forward earnings yield (consensus analyst estimates of EPS over the next 12 months divided by price) minus the Moody's Baa seasoned corporate bond yield. Std. dev. over-/under-valued is calculated using the average and standard deviation over 30 years for each measure. *Averages and standard deviations for dividend yield and P/CF are since November 1995 due to data availability.
Guide to the Markets – U.S. Data are as of September 30, 2024.

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P/E ratios and equity returns

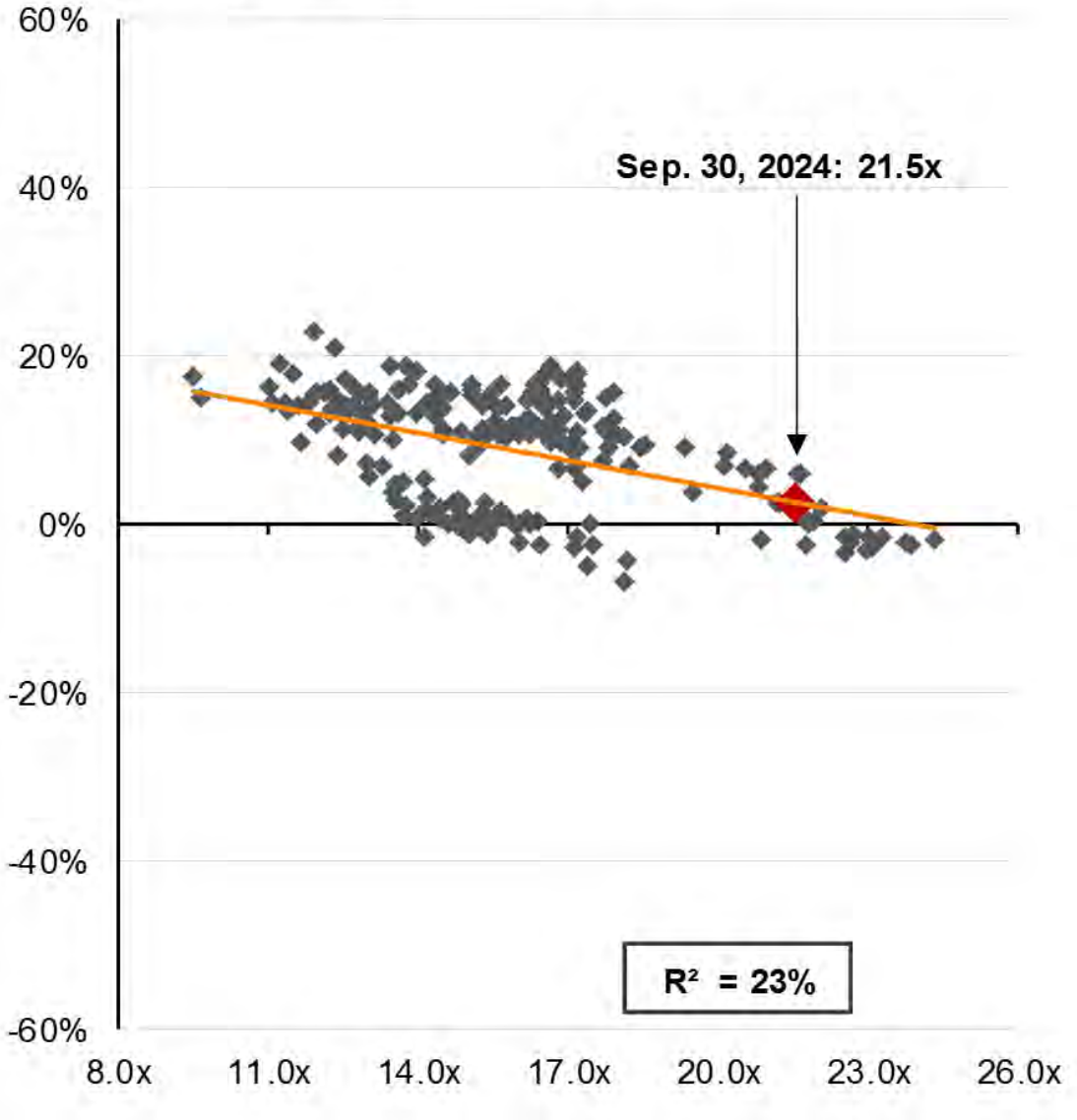
Forward P/E and subsequent 1-yr. returns

S&P 500 Total Return Index



Forward P/E and subsequent 5-yr. annualized returns

S&P 500 Total Return Index



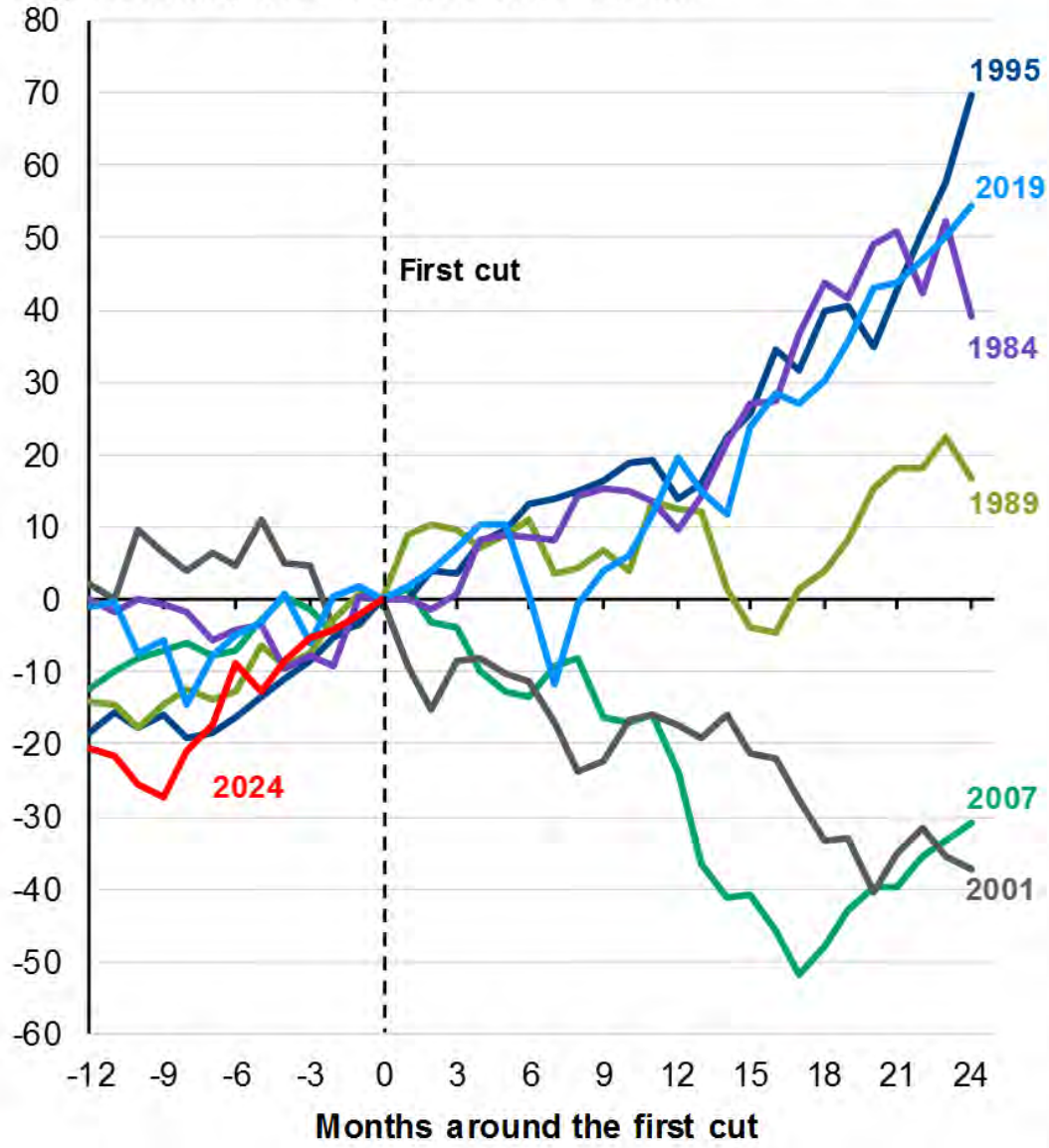
Source: FactSet, Refinitiv Datastream, Standard & Poor's, Thomson Reuters, J.P. Morgan Asset Management.
Returns are 12-month and 60-month annualized total returns, measured monthly, beginning 9/30/1999. R^2 represents the percent of total variation in total returns that can be explained by forward price-to-earnings ratios. Price-to-earnings is price divided by consensus analyst estimates of earnings per share for the next 12 months as provided by IBES since May 1999 and by FactSet since January 2022.
Guide to the Markets – U.S. Data are as of September 30, 2024.

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Market returns around the start of Fed cutting cycles

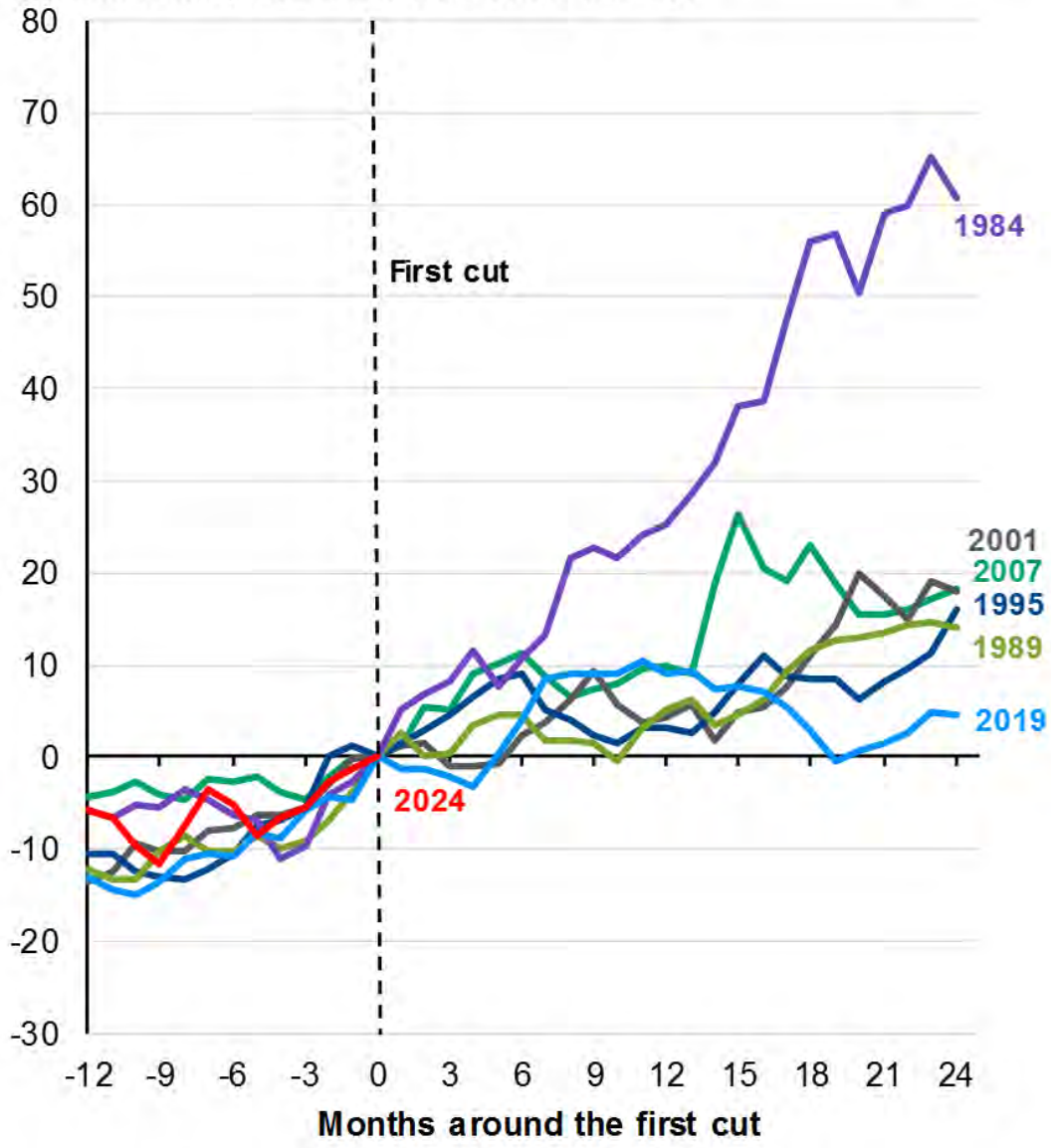
S&P 500 returns around the start of Fed cutting cycles

%, price return, indexed to zero at the first cut



U.S. 10-yr returns around the start of Fed cutting cycles

%, total return, indexed to zero at the first cut



Source: FactSet, Federal Reserve, LSEG Datastream, S&P Global, J.P. Morgan Asset Management. Past performance is not a reliable indicator of current and future results. Excludes 1998 episode due to the short length of the cutting cycle and economic context for the cuts.
Guide to the Markets – U.S. Data are as of September 30, 2024.

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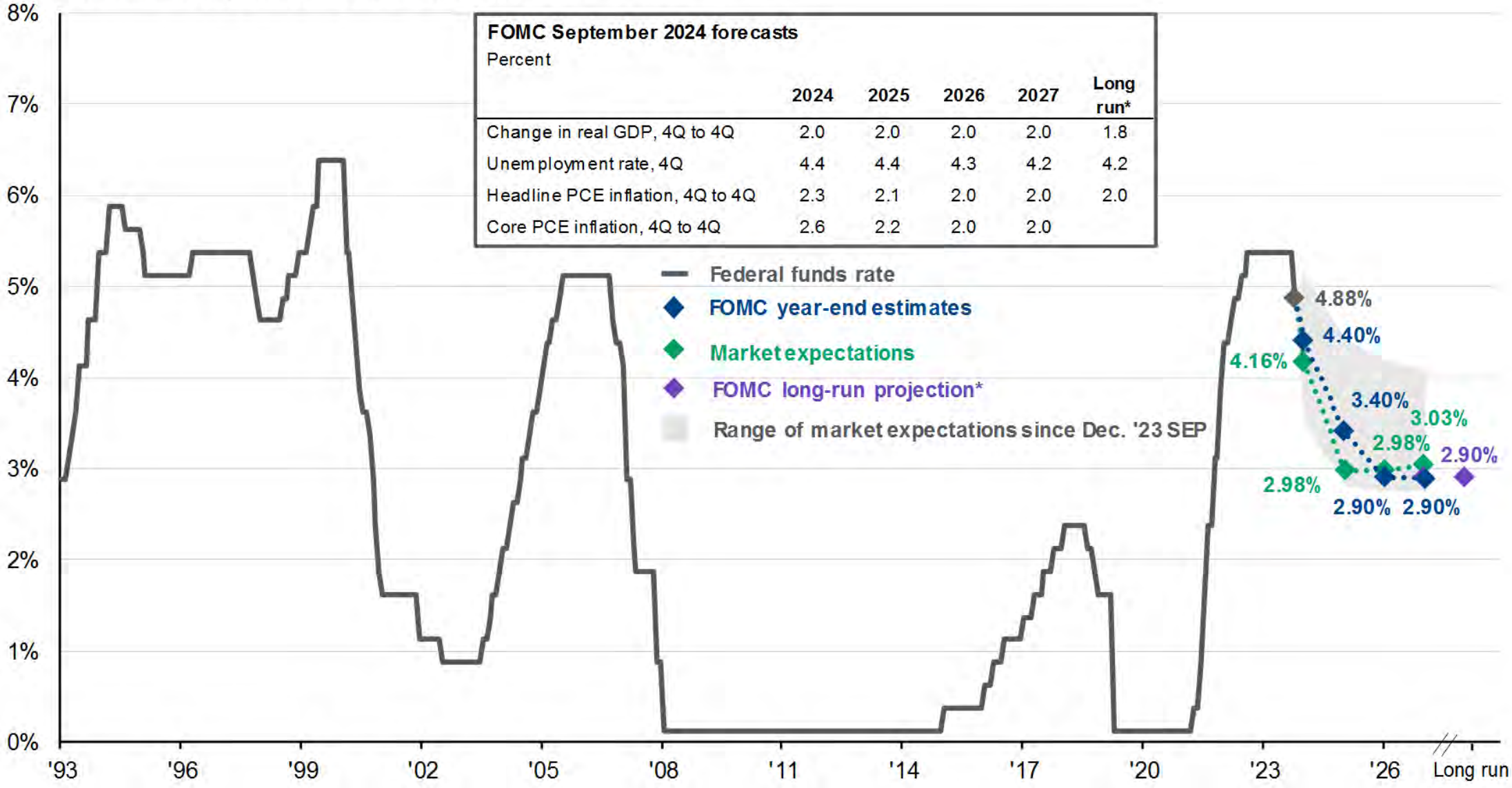
The Fed and interest rates

Federal funds rate expectations

FOMC and market expectations for the federal funds rate

FOMC September 2024 forecasts
Percent

	2024	2025	2026	2027	Long run*
Change in real GDP, 4Q to 4Q	2.0	2.0	2.0	2.0	1.8
Unemployment rate, 4Q	4.4	4.4	4.3	4.2	4.2
Headline PCE inflation, 4Q to 4Q	2.3	2.1	2.0	2.0	2.0
Core PCE inflation, 4Q to 4Q	2.6	2.2	2.0	2.0	



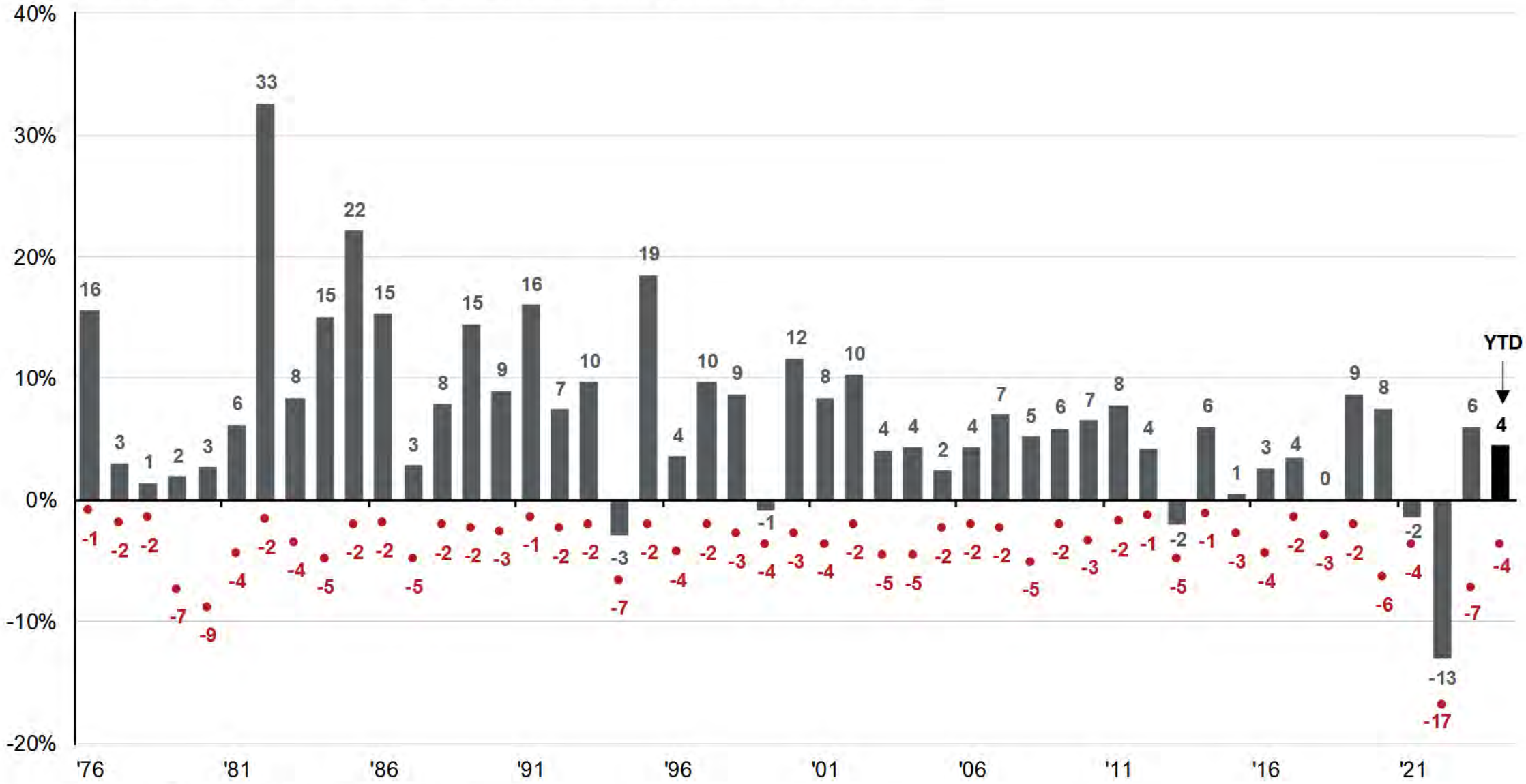
Source: Bloomberg, FactSet, Federal Reserve, J.P. Morgan Asset Management.
Market expectations are based off of USD Overnight Index Swaps. *Long-run projections are the rates of growth, unemployment and inflation to which a policymaker expects the economy to converge over the next five to six years in absence of further shocks and under appropriate monetary policy. Forecasts are not a reliable indicator of future performance. Forecasts, projections and other forward-looking statements are based upon current beliefs and expectations. They are for illustrative purposes only and serve as an indication of what may occur. Given the inherent uncertainties and risks associated with forecasts, projections or other forward-looking statements, actual events, results or performance may differ materially from those reflected or contemplated.
Guide to the Markets – U.S. Data are as of September 30, 2024.

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Bloomberg U.S. Agg. annual returns and intra-year declines

Bloomberg U.S. Aggregate intra-year declines vs. calendar year returns

Despite average intra-year drops of 3.5%, annual returns were positive in 43 of 48 years



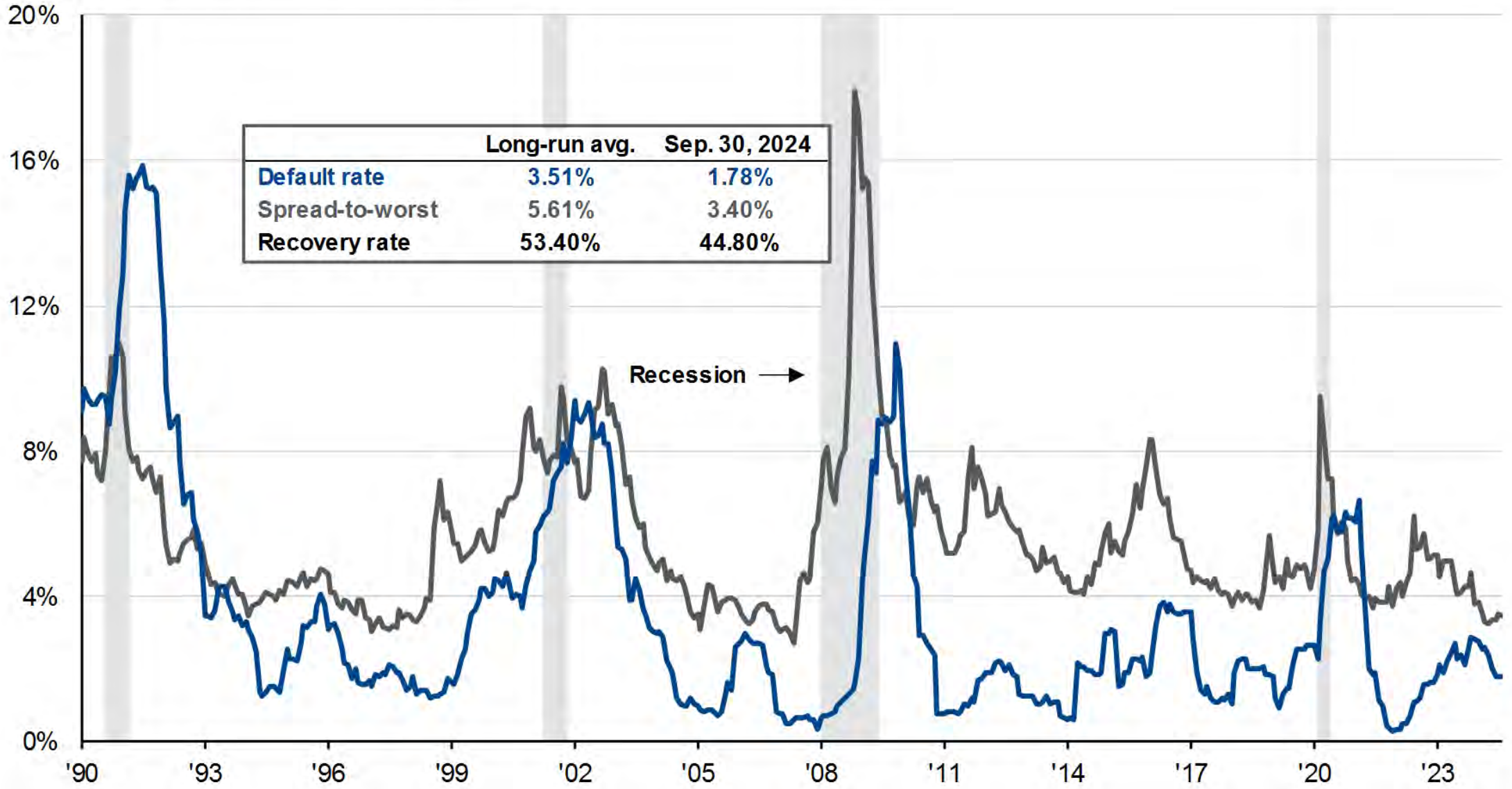
Source: Bloomberg, FactSet, J.P. Morgan Asset Management.
Returns are based on total return. Intra-year drops refers to the largest market drops from a peak to a trough during the year. For illustrative purposes only. Returns shown are calendar year returns from 1976 to 2023, over which time period the average annual return was 6.6%. Returns from 1976 to 1989 are calculated on a monthly basis; daily data are used afterward.
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High yield bonds

Default rate and spread-to-worst

Percent



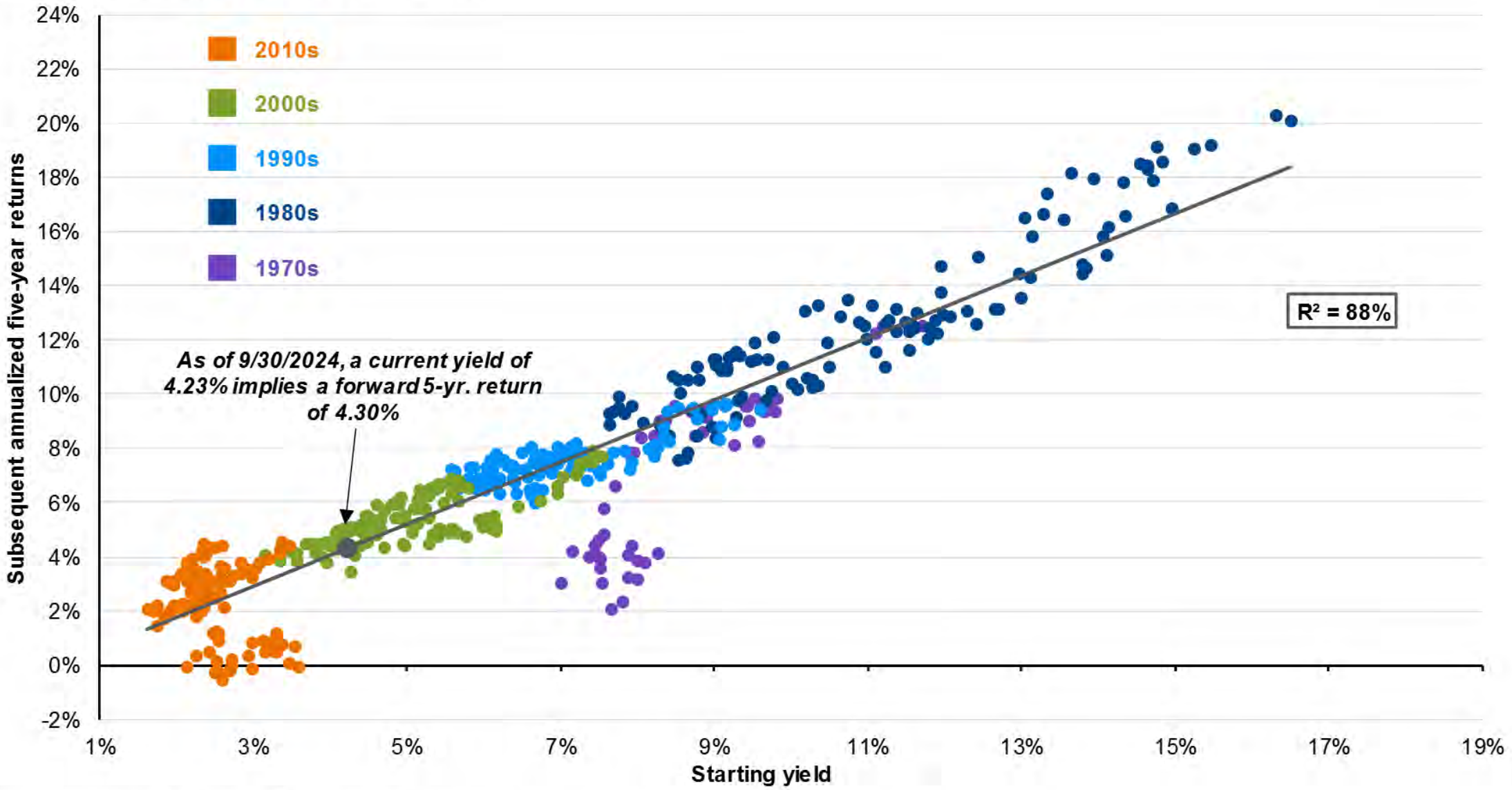
Source: J.P. Morgan Global Economic Research, J.P. Morgan Asset Management.
Long-run average is based on monthly historical data beginning in January 1990. Default rates are defined as the par value percentage of the total market trading at or below 50% of par value and include any Chapter 11 filing, prepackaged filing or missed interest payments. The default rate is a LTM figure (last 12 months) and tracks the % of defaults over the period. Recovery rates are based on the price of the defaulted bonds or loans 30 days post the default date. Default and recovery rates are as of most recent month-end. Spread-to-worst indicated are the difference between the yield-to-worst of a bond and yield-to-worst of a U.S. Treasury security with a similar duration. High yield is represented by the J.P. Morgan Domestic High Yield Index.
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Fixed income yields and forward returns

Yield-to-worst and subsequent 5-year annualized returns

Bloomberg U.S. Aggregate Total Return Index



Source: Bloomberg, FactSet, J.P. Morgan Asset Management.
Returns are 60-month annualized total returns, measured monthly, beginning 1/31/1976. R^2 represents the percent of total variation in total returns that can be explained by yields at the start of each period.
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Asset class returns

GTM | U.S. | 60

2009-2023 Ann.	2009-2023 Vol.	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	YTD
Large Cap 14.0%	Small Cap 21.9%	EM Equity 79.0%	REITs 27.9%	REITs 8.3%	REITs 19.7%	Small Cap 38.8%	REITs 28.0%	REITs 2.8%	Small Cap 21.3%	EM Equity 37.8%	Cash 1.8%	Large Cap 31.5%	Small Cap 20.0%	REITs 41.3%	Comdty. 16.1%	Large Cap 26.3%	Large Cap 22.1%
Small Cap 11.3%	REITs 21.2%	High Yield 59.4%	Small Cap 26.9%	Fixed Income 7.8%	High Yield 19.6%	Large Cap 32.4%	Large Cap 13.7%	Large Cap 1.4%	High Yield 14.3%	DM Equity 25.6%	Fixed Income 0.0%	REITs 28.7%	EM Equity 18.7%	Large Cap 28.7%	Cash 1.5%	DM Equity 18.9%	EM Equity 17.2%
REITs 10.9%	EM Equity 20.3%	DM Equity 32.5%	EM Equity 19.2%	High Yield 3.1%	EM Equity 18.6%	DM Equity 23.3%	Fixed Income 6.0%	Fixed Income 0.5%	Large Cap 12.0%	Large Cap 21.8%	REITs -4.0%	Small Cap 25.5%	Large Cap 18.4%	Comdty. 27.1%	High Yield -12.7%	Small Cap 16.9%	REITs 14.2%
High Yield 8.6%	DM Equity 18.4%	REITs 28.0%	Comdty. 16.8%	Large Cap 2.1%	DM Equity 17.9%	Asset Alloc. 14.9%	Asset Alloc. 5.2%	Cash 0.0%	Comdty. 11.8%	Small Cap 14.6%	High Yield -4.1%	DM Equity 22.7%	Asset Alloc. 10.6%	Small Cap 14.8%	Fixed Income -13.0%	Asset Alloc. 14.1%	DM Equity 13.5%
Asset Alloc. 8.1%	Comdty. 16.6%	Small Cap 27.2%	Large Cap 15.1%	Cash 0.1%	Small Cap 16.3%	High Yield 7.3%	Small Cap 4.9%	DM Equity -0.4%	EM Equity 11.6%	Asset Alloc. 14.6%	Large Cap -4.4%	Asset Alloc. 19.5%	DM Equity 8.3%	Asset Alloc. 13.5%	Asset Alloc. -13.9%	High Yield 14.0%	Asset Alloc. 12.3%
DM Equity 7.4%	Large Cap 16.1%	Large Cap 26.5%	High Yield 14.8%	Asset Alloc. -0.7%	Large Cap 16.0%	REITs 2.9%	Cash 0.0%	Asset Alloc. -2.0%	REITs 8.6%	High Yield 10.4%	Asset Alloc. -5.8%	EM Equity 18.9%	Fixed Income 7.5%	DM Equity 11.8%	DM Equity -14.0%	REITs 11.4%	Small Cap 11.2%
EM Equity 6.9%	High Yield 11.5%	Asset Alloc. 25.0%	Asset Alloc. 13.3%	Small Cap -4.2%	Asset Alloc. 12.2%	Cash 0.0%	High Yield 0.0%	High Yield -2.7%	Asset Alloc. 8.3%	REITs 8.7%	Small Cap -11.0%	High Yield 12.6%	High Yield 7.0%	High Yield 1.0%	Large Cap -18.1%	EM Equity 10.3%	High Yield 9.6%
Fixed Income 2.7%	Asset Alloc. 11.5%	Comdty. 18.9%	DM Equity 8.2%	DM Equity -11.7%	Fixed Income 4.2%	Fixed Income -2.0%	EM Equity -1.8%	Small Cap -4.4%	Fixed Income 2.6%	Fixed Income 3.5%	Comdty. -11.2%	Fixed Income 8.7%	Cash 0.5%	Cash 0.0%	EM Equity -19.7%	Fixed Income 5.5%	Comdty. 5.9%
Cash 0.8%	Fixed Income 4.5%	Fixed Income 5.9%	Fixed Income 6.5%	Comdty. -13.3%	Cash 0.1%	EM Equity -2.3%	DM Equity -4.5%	EM Equity -14.6%	DM Equity 1.5%	Comdty. 1.7%	DM Equity -13.4%	Comdty. 7.7%	Comdty. -3.1%	Fixed Income -1.5%	Small Cap -20.4%	Cash 5.1%	Fixed Income 4.4%
Comdty. -0.2%	Cash 0.7%	Cash 0.1%	Cash 0.1%	EM Equity -18.2%	Comdty. -1.1%	Comdty. -9.5%	Comdty. -17.0%	Comdty. -24.7%	Cash 0.3%	Cash 0.8%	EM Equity -14.2%	Cash 2.2%	REITs -5.1%	EM Equity -2.2%	REITs -24.9%	Comdty. -7.9%	Cash 4.1%

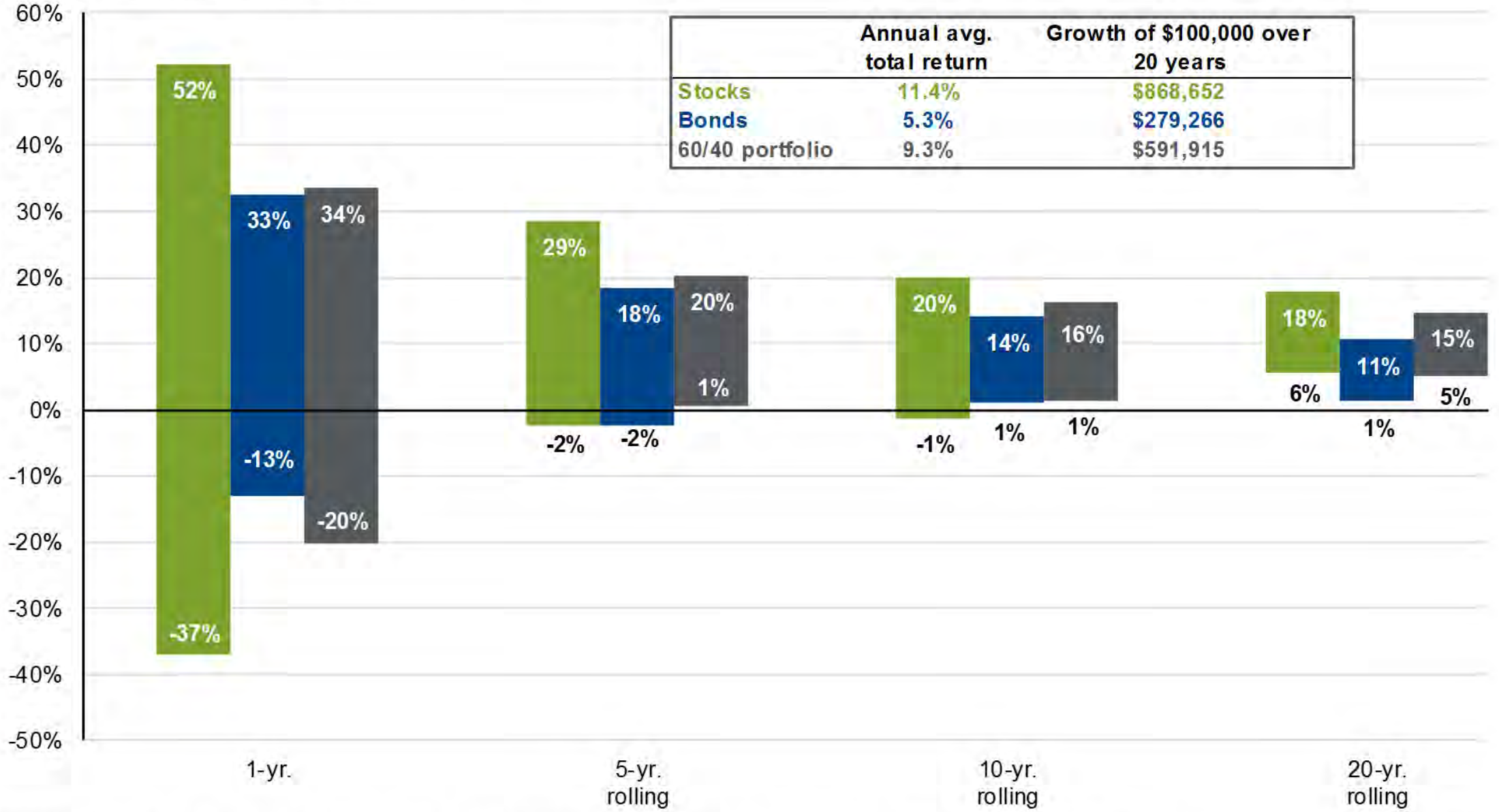
Source: Bloomberg, FactSet, MSCI, NAREIT, Russell, Standard & Poor's, J.P. Morgan Asset Management.
Large cap: S&P 500, Small cap: Russell 2000, EM Equity: MSCI EME, DM Equity: MSCI EAFE, Comdty: Bloomberg Commodity Index, High Yield: Bloomberg Global HY Index, Fixed Income: Bloomberg US Aggregate, REITs: NAREIT Equity REIT Index, Cash: Bloomberg 1-3m Treasury. The "Asset Allocation" portfolio assumes the following weights: 25% in the S&P 500, 10% in the Russell 2000, 15% in the MSCI EAFE, 5% in the MSCI EME, 25% in the Bloomberg US Aggregate, 5% in the Bloomberg 1-3m Treasury, 5% in the Bloomberg Global High Yield Index, 5% in the Bloomberg Commodity Index and 5% in the NAREIT Equity REIT Index. Balanced portfolio assumes annual rebalancing. Annualized (Ann.) return and volatility (Vol.) represents period from 12/31/2008 to 12/31/2023. Please see disclosure page at end for index definitions. All data represents total return for stated period. The "Asset Allocation" portfolio is for illustrative purposes only. Past performance is not indicative of future returns.
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Time, diversification and the volatility of returns

Range of stock, bond and blended total returns

Annual total returns, 1950-2023



	Annual avg. total return	Growth of $100,000 over 20 years
Stocks	11.4%	$868,652
Bonds	5.3%	$279,266
60/40 portfolio	9.3%	$591,915

Source: Bloomberg, FactSet, Federal Reserve, Robert Shiller, Standard & Poor's, Strategas/Ibbotson, J.P. Morgan Asset Management. Returns shown are based on calendar year returns from 1950 to 2023. Stocks represent the S&P 500 Shiller Composite for periods prior to 1936 and the S&P 500 thereafter. Bonds represent Strategas/Ibbotson for periods prior to 1976 and the Bloomberg Aggregate thereafter. Growth of $100,000 is based on annual average total returns from 1950 to 2023.
Guide to the Markets – U.S. Data are as of September 30, 2024.

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J.P. Morgan Asset Management – Index definitions

All indexes are unmanaged and an individual cannot invest directly in an index. Index returns do not include fees or expenses.

Equities:

The **Dow Jones Industrial Average** is a price-weighted average of 30 actively traded blue-chip U.S. stocks.

The **MSCI ACWI (All Country World Index)** is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets.

The **MSCI EAFE Index(Europe, Australasia, Far East)**is a free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the US & Canada.

The **MSCI Emerging Markets Index** is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global emerging markets.

The **MSCI Europe Index** is a free float-adjusted market capitalization index that is designed to measure developed market equity performance in Europe.

The **MSCI Pacific Index** is a free float-adjusted market capitalization index that is designed to measure equity market performance in the Pacific region.

The **Russell 1000 Index®** measures the performance of the 1,000 largest companies in the Russell 3000.

The **Russell 1000 Growth Index®** measures the performance of those Russell 1000 companies with higher price-to-book ratios and higher forecasted growth values.

The **Russell 1000 Value Index®** measures the performance of those Russell 1000 companies with lower price-to-book ratios and lower forecasted growth values.

The **Russell 2000 Index®** measures the performance of the 2,000 smallest companies in the Russell 3000 Index.

The **Russell 2000 Growth Index®** measures the performance of those Russell 2000 companies with higher price-to-book ratios and higher forecasted growth values.

The **Russell 2000 Value Index®** measures the performance of those Russell 2000 companies with lower price-to-book ratios and lower forecasted growth values.

The **Russell 3000 Index®** measures the performance of the 3,000 largest U.S. companies based on total market capitalization.

The **Russell Midcap Index®** measures the performance of the 800 smallest companies in the Russell 1000 Index.

The **Russell Midcap Growth Index ®** measures the performance of those Russell Midcap companies with higher price-to-book ratios and higher forecasted growth values. The stocks are also members of the Russell 1000 Growth index.

The **Russell Midcap Value Index ®** measures the performance of those Russell Midcap companies with lower price-to-book ratios and lower forecasted growth values. The stocks are also members of the Russell 1000 Value index.

The **S&P 500 Index** is widely regarded as the best single gauge of the U.S. equities market. The index includes a representative sample of 500 leading companies in leading industries of the U.S. economy. The **S&P 500 Index** focuses on the large-cap segment of the market; however, since it includes a significant portion of the total value of the market, it also represents the market.

Fixed income:

The **Bloomberg 1-3 Month U.S. Treasury Bill Index** includes all publicly issued zero-coupon US Treasury Bills that have a remaining maturity of less than 3 months and more than 1 month, are rated investment grade, and have $250 million or more of outstanding face value. In addition, the securities must be denominated in U.S. dollars and must be fixed rate and non convertible.

The **Bloomberg Global High Yield Index** is a multi-currency flagship measure of the global high yield debt market. The index represents the union of the US High Yield, the Pan-European High Yield, and Emerging Markets (EM) Hard Currency High Yield Indices. The high yield and emerging markets sub-components are mutually exclusive. Until January 1, 2011, the index also included CMBS high yield securities.

The **Bloomberg Municipal Index**: consists of a broad selection of investment-grade general obligation and revenue bonds of maturities ranging from one year to 30 years. It is an unmanaged index representative of the tax-exempt bond market.

The **Bloomberg US Dollar Floating Rate Note (FRN) Index** provides a measure of the U.S. dollar denominated floating rate note market.

The **Bloomberg US Corporate Investment Grade Index** is an unmanaged index consisting of publicly issued US Corporate and specified foreign debentures and secured notes that are rated investment grade (Baa3/BBB or higher) by at least two ratings agencies, have at least one year to final maturity and have at least $250 million par amount outstanding. To qualify, bonds must be SEC-registered.

The **Bloomberg US High Yield Index** covers the universe of fixed rate, non-investment grade debt. Eurobonds and debt issues from countries designated as emerging markets (sovereign rating of Baa1/BBB+/BBB+ and below using the middle of Moody's, S&P, and Fitch) are excluded, but Canadian and global bonds (SEC registered) of issuers in non-EMG countries are included.

The **Bloomberg US Mortgage Backed Securities Index** is an unmanaged index that measures the performance of investment grade fixed-rate mortgage backed pass-through securities of GNMA, FNMA and FHLMC.

The **Bloomberg US TIPS Index** consists of Inflation-Protection securities issued by the U.S. Treasury.

The **J.P. Morgan Emerging Market Bond Global Index(EMBI)**includes U.S. dollar denominated Brady bonds, Eurobonds, traded loans and local market debt instruments issued by sovereign and quasi-sovereign entities.

The **J.P. Morgan Domestic High Yield Index** is designed to mirror the investable universe of the U.S. dollar domestic high yield corporate debt market.

The **J.P. Morgan Corporate Emerging Markets Bond Index Broad Diversified (CEMBI Broad Diversified)**is an expansion of the **J.P. Morgan Corporate Emerging Markets Bond Index (CEMBI)**. The CEMBI is a market capitalization weighted index consisting of U.S. dollar denominated emerging market corporate bonds.

The **J.P. Morgan Emerging Markets Bond Index Global Diversified (EMBI Global Diversified)** tracks total returns for U.S. dollar-denominated debt instruments issued by emerging market sovereign and quasi-sovereign entities: Brady bonds, loans, Eurobonds. The index limits the exposure of some of the larger countries.

The **J.P. Morgan GBI EM Global Diversified** tracks the performance of local currency debt issued by emerging market governments, whose debt is accessible by most of the international investor base.

The **U.S. Treasury Index** is a component of the U.S. Government index.

J.P.Morgan
ASSET MANAGEMENT

J.P. Morgan Asset Management – Definitions

Other asset classes:

The **Alerian MLP Index** is a composite of the 50 most prominent energy Master Limited Partnerships (MLPs) that provides investors with an unbiased, comprehensive benchmark for the asset class.

The **Bloomberg Commodity Index** and related sub-indices are composed of futures contracts on physical commodities and represents twenty two separate commodities traded on U.S. exchanges, with the exception of aluminum, nickel, and zinc

The **Cambridge Associates U.S. Global Buyout and Growth Index®** is based on data compiled from 1,768 global (U.S. & ex –U.S.) buyout and growth equity funds, including fully liquidated partnerships, formed between 1986 and 2013.

The **CS/Tremont Hedge Fund Index** is compiled by Credit Suisse Tremont Index, LLC. It is an asset-weighted hedge fund index and includes only funds, as opposed to separate accounts. The Index uses the Credit Suisse/Tremont database, which tracks over 4500 funds, and consists only of funds with a minimum of US$50 million under management, a 12-month track record, and audited financial statements. It is calculated and rebalanced on a monthly basis, and shown net of all performance fees and expenses. It is the exclusive property of Credit Suisse Tremont Index, LLC.

The **HFRI Monthly Indices (HFRI)** are equally weighted performance indexes, utilized by numerous hedge fund managers as a benchmark for their own hedge funds. The HFRI are broken down into 4 main strategies, each with multiple sub strategies. All single-manager HFRI Index constituents are included in the HFRI Fund Weighted Composite, which accounts for over 2200 funds listed on the internal HFR Database.

The **NAREIT EQUITY REIT Index** is designed to provide the most comprehensive assessment of overall industry performance, and includes all tax-qualified real estate investment trusts (REITs) that are listed on the NYSE, the American Stock Exchange or the NASDAQ National Market List.

The **NFI-ODCE**, short for NCREIF Fund Index -Open End Diversified Core Equity, is an index of investment returns reporting on both a historical and current basis the results of 33 open-end commingled funds pursuing a core investment strategy, some of which have performance histories dating back to the 1970s. The NFI-ODCE Index is capitalization-weighted and is reported gross of fees. Measurement is time-weighted.

Definitions:

Investing in **alternative assets** involves higher risks than traditional investments and is suitable only for sophisticated investors. Alternative investments involve greater risks than traditional investments and should not be deemed a complete investment program. They are not tax efficient and an investor should consult with his/her tax advisor prior to investing. Alternative investments have higher fees than traditional investments and they may also be highly leveraged and engage in speculative investment techniques, which can magnify the potential for investment loss or gain. The value of the investment may fall as well as rise and investors may get back less than they invested.

Bonds are subject to interest rate risks. Bond prices generally fall when interest rates rise.

Investments in **commodities** may have greater volatility than investments in traditional securities, particularly if the instruments involve leverage. The value of commodity-linked derivative instruments may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or factors affecting a particular industry or commodity, such as drought, floods, weather, livestock disease, embargoes, tariffs and international economic, political and regulatory developments. Use of leveraged commodity-linked derivatives creates an opportunity for increased return but, at the same time, creates the possibility for greater loss.

Derivatives may be riskier than other types of investments because they may be more sensitive to changes in economic or market conditions than other types of investments and could result in losses that significantly exceed the original investment. The use of derivatives may not be successful, resulting in investment losses, and the cost of such strategies may reduce investment returns.

Distressed Restructuring Strategies employ an investment process focused on corporate fixed income instruments, primarily on corporate credit instruments of companies trading at significant discounts to their value at issuance or obliged (par value) at maturity as a result of either formal bankruptcy proceeding or financial market perception of near term proceedings.

Investments in **emerging markets** can be more volatile. The normal risks of investing in foreign countries are heightened when investing in emerging markets. In addition, the small size of securities markets and the low trading volume may lead to a lack of liquidity, which leads to increased volatility. Also, emerging markets may not provide adequate legal protection for private or foreign investment or private property.

The price of **equity** securities may rise, or fall because of changes in the broad market or changes in a company's financial condition, sometimes rapidly or unpredictably. These price movements may result from factors affecting individual companies, sectors or industries, or the securities market as a whole, such as changes in economic or political conditions. Equity securities are subject to "stock market risk" meaning that stock prices in general may decline over short or extended periods of time.

Equity market neutral strategies employ sophisticated quantitative techniques of analyzing price data to ascertain information about future price movement and relationships between securities, select securities for purchase and sale. Equity Market Neutral Strategies typically maintain characteristic net equity market exposure no greater than 10% long or short.

Global macro strategies trade a broad range of strategies in which the investment process is predicated on movements in underlying economic variables and the impact these have on equity, fixed income, hard currency and commodity markets.

International investing involves a greater degree of risk and increased volatility. Changes in currency exchange rates and differences in accounting and taxation policies outside the U.S. can raise or lower returns. Some overseas markets may not be as politically and economically stable as the United States and other nations.

There is no guarantee that the use of **long and short positions** will succeed in limiting an investor's exposure to domestic stock market movements, capitalization, sector swings or other risk factors. Using long and short selling strategies may have higher portfolio turnover rates. Short selling involves certain risks, including additional costs associated with covering short positions and a possibility of unlimited loss on certain short sale positions.

Merger arbitrage strategies which employ an investment process primarily focused on opportunities in equity and equity related instruments of companies which are currently engaged in a corporate transaction.

Mid-capitalization investing typically carries more risk than investing in well-established "blue-chip" companies. Historically, mid-cap companies' stock has experienced a greater degree of market volatility than the average stock.

Price to forward earnings is a measure of the price-to-earnings ratio (P/E) using forecasted earnings. **Price to book value** compares a stock's market value to its book value. **Price to cash flow** is a measure of the market's expectations of a firm's future financial health. **Price to dividends** is the ratio of the price of a share on a stock exchange to the dividends per share paid in the previous year, used as a measure of a company's potential as an investment.

Real estate investments may be subject to a higher degree of market risk because of concentration in a specific industry, sector or geographical sector. Real estate investments may be subject to risks including, but not limited to, declines in the value of real estate, risks related to general and economic conditions, changes in the value of the underlying property owned by the trust and defaults by borrower.

Relative Value Strategies maintain positions in which the investment thesis is predicated on realization of a valuation discrepancy in the relationship between multiple securities.

Small-capitalization investing typically carries more risk than investing in well-established "blue-chip" companies since smaller companies generally have a higher risk of failure. Historically, smaller companies' stock has experienced a greater degree of market volatility than the average stock.

J.P.Morgan
ASSET MANAGEMENT

J.P. Morgan Asset Management – Risks & disclosures

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Unless otherwise stated, all data are as of December 31, 2022 or most recently available.

Guide to the Markets – U.S.

JP-LITTLEBOOK | 0903c02a82565a44

J.P.Morgan
ASSET MANAGEMENT

Commonwealth

October 2024 Portfolio Illustration

October 14, 2024

Prepared for:
IONIA COUNTY PENSION

Prepared by:
Jaakko Kasko

CFP®, CRPC®

Commonwealth Financial Network

2610 Lakeshore Drive
Saint Joseph, MI 49085
USA
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jaakko@milestonewm.com

Portfolio Snapshot

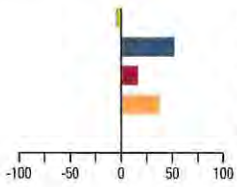
Portfolio Value
$13,587,618.68

Benchmark
Custom

IONIA COUNTY PENSION: B37098221 (Advisory)

Analysis 09-30-2024

Asset Allocation



	Portfolio Net %	Bmark Net %
Cash	-4.66	6.00
US Stocks	51.26	44.78
Non-US Stocks	15.96	15.20
Bonds	36.49	34.00
Other/Not Clsfd	**0.95**	**0.02**
Total	100.00	100.00

Morningstar Equity Style Box %

	Value	Blend	Growth
Large	15	28	18
Mid	7	13	6
Small	4	6	3

Total Stock Holdings 5,239
% Not Classified 0

0-10 10-25 25-50 >50

Morningstar Fixed Income Style Box %

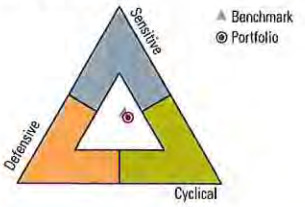
	Ltd	Mod	Ext
High	0	0	0
Med	90	90	0
Low	0	0	0

Total Bond Holdings 9,778
% Not Classified 18

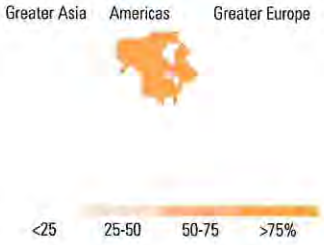
0-10 10-25 25-50 >50

Stock Analysis 09-30-2024

Stock Sectors



World Regions



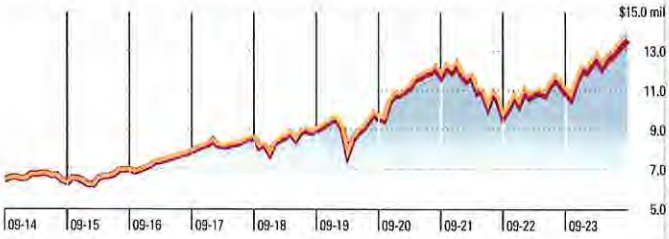
	Portfolio (%)	Bmark (%)
Cyclical	**39.08**	**32.06**
Basic Matls	3.48	3.54
Consumer Cycl	9.61	10.52
Financial Svs	14.06	15.31
Real Estate	11.93	2.69
Sensitive	**42.66**	**48.04**
Commun Svs	6.38	7.83
Energy	3.98	3.91
Industrials	9.79	10.04
Technology	22.51	26.26
Defensive	**18.22**	**19.90**
Consumer Def	5.11	5.95
Healthcare	10.41	11.26
Utilities	2.70	2.69
Not Classified	**0.04**	**0.00**

	Portfolio (%)	Bmark (%)
Americas	**78.91**	**77.26**
North America	78.03	76.61
Latin America	0.88	0.65
Greater Europe	**9.38**	**11.49**
United Kingdom	1.87	2.33
Europe-Developed	6.24	8.21
Europe-Emerging	0.21	0.14
Africa/Middle East	1.06	0.81
Greater Asia	**11.71**	**11.24**
Japan	2.70	3.50
Australasia	0.89	1.23
Asia-Developed	3.35	2.64
Asia-Emerging	4.77	3.87
Not Classified	**0.00**	**0.00**

Performance 09-30-2024

Investment Activity Graph — Portfolio Gross — Benchmark — Portfolio Net

Initial Mkt Val: $6,450,132
Final Mkt Val: $13,587,619



Trailing Returns*	3 Mo	1 Yr	3 Yr	5 Yr	10 Yr	Since Inception
Portfolio Return-Gross	6.87	25.35	5.37	8.92	*7.99*	7.60
Portfolio Return-Net	6.81	25.05	5.11	8.66	*7.74*	7.34
Benchmark Return	5.86	23.54	5.14	8.43	7.46	7.20
Relative Return	0.95	1.51	-0.03	0.23	*0.28*	0.14

Portfolio Inception Date: 09-30-2014

**Full return history is not available for all securities. Please see Return Participation disclosure.*

Best/Worst Time Periods	Best % (Net of Fees)	Worst % (Net of Fees)
3 Months	16.18 (Apr 2020-Jun 2020)	-18.01 (Jan 2020-Mar 2020)
1 Year	42.99 (Apr 2020-Mar 2021)	-17.60 (Oct 2021-Sep 2022)
3 Years	16.40 (Jan 2019-Dec 2021)	*1.70 (Apr 2017-Mar 2020)*

Portfolio Yield (09-30-2024) Yield %

12-Month Yield —

Disclosure

The portfolio-level performance returns shown are hypothetical, based on historic economic and market assumptions and the investment and planning assumptions selected by your financial professional. Hypothetical performance is for illustrative purposes only and is not a guarantee of future results. Actual performance returns will vary. If required to do so under applicable regulation, your financial professional has determined that you have the resources and financial expertise to understand the risks and limitations of using such hypothetical performance returns in making investment decisions. "Net" performance returns are calculated using the fees and expenses input by your financial professional. "Gross" performance returns are calculated before the deduction of all fees and expenses that you have paid or would have paid in connection with your financial professional's services. Such fees may include investment advisory fees; however, not all financial professionals charge investment advisory fees. You should speak with your financial professional to understand the fees and expenses they included and the impact that fees and expenses have on performance returns before making investment decisions. The historical benchmark index performance is selected by [you or] your financial professional as a comparison tool and is provided for informational purposes only. Actual performance returns will vary. Please refer to the Investment Performance and Benchmark Disclosures for additional information.

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Portfolio Snapshot

Portfolio Value
$13,587,618.68

Benchmark
Custom

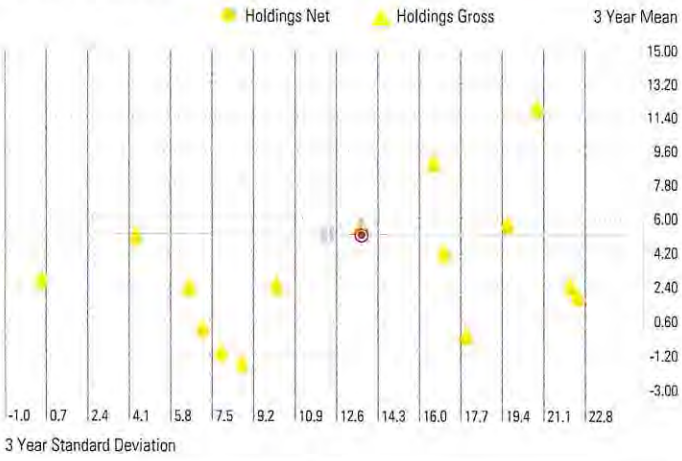
IONIA COUNTY PENSION: B37098221 (Advisory)

Holdings 09-30-2024

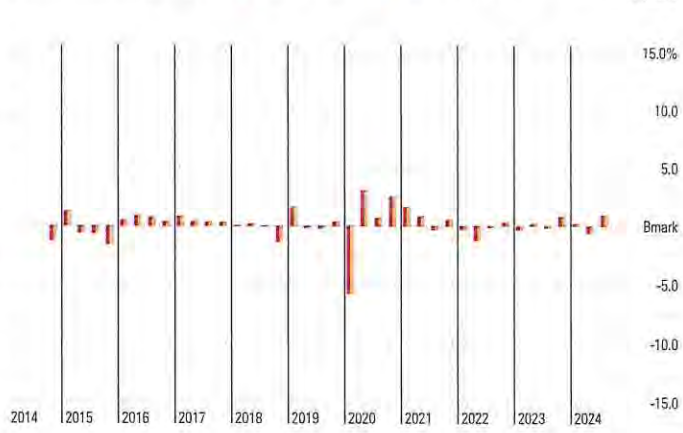
Top 10 holdings out of 14	Symbol	Type	Holding Value $	% Assets
Fidelity Large Cap Growth Idx (USD)	FSPGX	MF	2,459,211	18.10
Fidelity Large Cap Value Index (USD)	FLCOX	MF	1,909,947	14.06
Fidelity Global ex US Index (USD)	FSGGX	MF	1,690,255	12.44
PIMCO Income Instl (USD)	PIMIX	MF	1,263,689	9.30
Fidelity Mid Cap Index (USD)	FSMDX	MF	1,041,745	7.67
PGIM Total Return Bond Z (USD)	PDBZX	MF	1,026,843	7.56
Fidelity Small Cap Index (USD)	FSSNX	MF	697,225	5.13
Lord Abbett Bond-Debenture F (USD)	LBDFX	MF	679,731	5.00
Fidelity MSCI Real Estate ETF (USD)	FREL	ETF	664,125	4.89
Fidelity Advisor Real Estate Income Z (USD)	FIKMX	MF	611,193	4.50

Risk Analysis 09-30-2024

Risk/Reward Scatterplot



Performance History Graph



Risk and Return Statistics (Portfolio is Net of Fees)*	3 Yr Portfolio	3 Yr Bmark	5 Yr Portfolio	5 Yr Bmark	10 Yr Portfolio	10 Yr Bmark
Standard Deviation	13.64	12.26	14.31	12.07	*11.46*	9.84
Mean	5.11	5.14	8.66	8.43	*7.74*	7.46
Sharpe Ratio	0.16	0.16	0.50	0.55	*0.58*	0.62

MPT Statistics (Net of Fees)*	3 Yr Portfolio	5 Yr Portfolio	10 Yr Portfolio
Alpha	-0.07	-0.60	*-0.47*
Beta	1.11	1.17	*1.15*
R-Squared	99.02	97.92	*97.55*

Risk and Return Statistics (Gross)*	3 Yr Portfolio	3 Yr Bmark	5 Yr Portfolio	5 Yr Bmark	10 Yr Portfolio	10 Yr Bmark
Standard Deviation	13.63	12.26	14.29	12.07	*11.45*	9.84
Mean	5.37	5.14	8.92	8.43	*7.99*	7.46
Sharpe Ratio	0.17	0.16	0.52	0.55	*0.60*	0.62

MPT Statistics (Gross)*	3 Yr Portfolio	5 Yr Portfolio	10 Yr Portfolio
Alpha	0.18	-0.35	*-0.23*
Beta	1.11	1.17	*1.15*
R-Squared	99.03	97.93	*97.54*

Disclosure

The portfolio-level performance returns shown are hypothetical, based on historic economic and market assumptions and the investment and planning assumptions selected by your financial professional. Hypothetical performance is for illustrative purposes only and is not a guarantee of future results. Actual performance returns will vary. If required to do so under applicable regulation, your financial professional has determined that you have the resources and financial expertise to understand the risks and limitations of using such hypothetical performance returns in making investment decisions. "Net" performance returns are calculated using the fees and expenses input by your financial professional. "Gross" performance returns are calculated before the deduction of all fees and expenses that you have paid or would have paid in connection with your financial professional's services. Such fees may include investment advisory fees; however, not all financial professionals charge investment advisory fees. You should speak with your financial professional to understand the fees and expenses they included and the impact that fees and expenses have on performance returns before making investment decisions. The historical benchmark index performance is selected by [you or] your financial professional as a comparison tool and is provided for informational purposes only. Actual performance returns will vary. Please refer to the Investment Performance and Benchmark Disclosures for additional information.

**Full return history is not available for all securities. Please see Return Participation disclosure.*

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Portfolio Snapshot

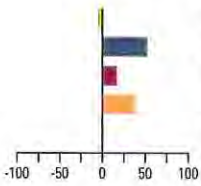
Portfolio Value
$13,587,618.68

Benchmark
Custom

IONIA COUNTY PENSION: B37098221 (Advisory)

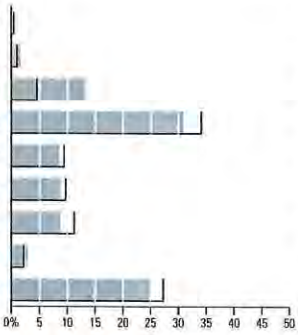
Fundamental Analysis 09-30-2024

Asset Allocation



	Portfolio Net %	Portfolio Long %	Portfolio Short %
Cash	-4.66	19.54	24.21
US Stocks	51.26	52.44	1.18
Non-US Stocks	15.96	16.02	0.07
Bonds	36.49	47.57	11.08
Other/Not Clsfd	**0.95**	**1.00**	**0.05**
Total	100.00	136.58	36.58

Type Weightings



% of Stocks	Portfolio	Bmark
High Yield	0.33	0.43
Distressed	1.54	1.01
Hard Asset	13.20	4.57
Cyclical	30.86	34.13
Slow Growth	8.62	9.43
Classic Growth	8.72	9.75
Aggressive Growth	8.76	11.25
Speculative Growth	2.81	2.20
Not Available	**25.15**	**27.23**

Market Maturity

% of Stocks	Portfolio	Bmark
Developed Markets	93.47	94.84
Emerging Markets	6.53	5.16
Not Available	**0.00**	**0.00**

Valuation Multiples	Portfolio	Bmark
Price/Earnings	21.95	22.56
Price/Book	2.89	3.22
Price/Sales	2.15	2.28
Price/Cash Flow	12.59	13.74

Profitability % of Stocks	Portfolio 2024-09	Bmark 2024-09
Net Margin	17.69	18.49
ROE	23.92	27.16
ROA	9.87	11.88
Debt/Capital	38.34	37.01

Fund Statistics

Potential Cap Gains Exposure	0.65
Avg Net Expense Ratio	0.27
Avg Gross Expense Ratio	0.27

Average Capitalization ($Mil)

Portfolio	75,984.19
Benchmark	143,128.13

Credit Quality Breakdown	% of Bonds
AAA	45.83
AA	4.66
A	6.95
BBB	18.58
BB	12.63
B	7.20
Below B	2.87
NR	1.29

Interest Rate Risk	Bonds	% Not Available
Avg Eff Maturity	6.67	17.92
Avg Eff Duration	4.99	7.29
Avg Wtd Coupon	—	0.08

Disclosure

Fundamental analysis is a method that uses qualitative factors and quantitative measurements to evaluate an investment. Please refer to the Investment Performance Disclosures for additional information.

Disclosure

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Portfolio Snapshot

Portfolio Value
$13,587,618.68

Benchmark
Custom

IONIA COUNTY PENSION: B37098221 (Advisory)

Standardized and Tax Adjusted Returns

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end please visit http://advisor.morningstar.com/familyinfo.asp.

Standardized Returns assume reinvestment of dividends and capital gains. They depict performance without adjusting for the effects of taxation, but are adjusted to reflect sales charges and ongoing fund expenses.

If adjusted for taxation, the performance quoted would be significantly reduced. For variable annuities, additional expenses will be taken into account, including M&E risk charges, fund-level expenses such as management fees and operating fees, contract-level administration fees, and charges such as surrender, contract, and sales charges. The maximum redemption fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase.

After-tax returns are calculated using the highest individual federal marginal income tax rates, and do not reflect the impact of state and local taxes. Actual after-tax returns depend on the investor's tax situation and may differ from those shown. The after-tax returns shown are not relevant to investors who hold their fund shares through tax-deferred arrangements such as 401(k) plans or an IRA. After-tax returns exclude the effects of either the alternative minimum tax or phase-out of certain tax credits. Any taxes due are as of the time the distributions are made, and the taxable amount and tax character of each distribution are as specified by the fund on the dividend declaration date. Due to foreign tax credits or realized capital losses, after-tax returns may be greater than before-tax returns. After-tax returns for exchange-traded funds are based on net asset value.

Money Market Fund Disclosures

If money market fund(s) are included in the Standardized Returns table below, each money market fund's name will be followed by a superscripted letter that links it to the applicable disclosure below:

Institutional Money Market Funds (designated by an "S"):

You could lose money by investing in the fund. Because the share price of the fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them. The fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Government Money Market Funds that have chosen to rely on the ability to impose liquidity fees and suspend redemptions (designated by an "L") and

Retail Money Market Funds (designated by an "L"):

You could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at $1.00 per share, it cannot guarantee it will do so. The fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Government Money Market Funds that have chosen not to rely on the ability to impose liquidity fees and suspend redemptions (designated by an "N"):

You could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at $1.00 per share, it cannot guarantee it will do so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

Annualized returns 09-30-2024

Standardized Returns (%)	7-day Yield Subsidized *as of date*	7-day Yield Unsubsidized *as of date*	1Yr	5Yr	10Yr	Since Inception	Inception Date	Max Front Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Ratio %	Max Redemption %
AB Income Advisor	—	—	13.23	0.49	2.53	7.36	08-28-1987	NA	NA	0.55[1]	0.61	NA
BlackRock Systematic Multi-Strat Instl	—	—	14.18	4.35	—	4.72	05-19-2015	NA	NA	0.93	0.93	NA
Fidelity Advisor Real Estate Income Z	—	—	19.38	4.38	—	5.81	10-02-2018	NA	NA	0.57	0.57	NA
Fidelity Emerging Markets Idx	—	—	24.17	5.22	3.76	3.21	09-08-2011	NA	NA	0.08	0.08	NA
Fidelity Global ex US Index	—	—	25.29	7.55	5.23	6.00	09-08-2011	NA	NA	0.06	0.06	NA

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Annualized returns 09-30-2024

Standardized Returns (%)	7-day Yield Subsidized *as of date*	7-day Yield Unsubsidized *as of date*	1Yr	5Yr	10Yr	Since Inception	Inception Date	Max Front Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Ratio %	Max Redemption %
Fidelity Government MMkt Cptl Rsrvs [N]	4.01[2] *10-13-2024*	4.46 *10-01-2023*	4.52	1.77	—	1.16	04-06-2015	NA	NA	0.95[2]	0.96	NA
Fidelity Large Cap Growth Idx	—	—	42.19	19.71	—	18.34	06-07-2016	NA	NA	0.04	0.04	NA
Fidelity Large Cap Value Index	—	—	27.75	10.68	—	10.24	06-07-2016	NA	NA	0.04	0.04	NA
Fidelity Mid Cap Index	—	—	29.29	11.30	10.19	12.49	09-08-2011	NA	NA	0.03	0.03	NA
Fidelity MSCI Real Estate ETF-NAV	—	—	34.27	4.76	—	5.80	02-02-2015	NA	NA	0.08	0.08	NA
Fidelity MSCI Real Estate ETF-Market	—	—	34.19	4.74	—	5.80	02-02-2015	NA	NA	0.08	0.08	NA
Fidelity Small Cap Index	—	—	26.84	9.48	8.93	10.99	09-08-2011	NA	NA	0.03	0.03	NA
Lord Abbett Bond-Debenture F	—	—	14.55	2.67	4.07	5.33	09-28-2007	NA	NA	0.74	0.74	NA
PGIM Total Return Bond Z	—	—	13.33	0.71	2.62	4.94	09-16-1996	NA	NA	0.49[3]	0.51	NA
PIMCO Income Instl	—	—	12.73	3.61	4.36	6.86	03-30-2007	NA	NA	0.83	0.83	NA
Bloomberg US Agg Bond TR USD			**11.57**	**0.33**	**1.84**	**—**	**01-03-1980**					
Bloomberg US Treasury Bill 1-3 M TR USD			**5.52**	**2.33**	**1.63**	**—**	**11-29-1991**					
Bloomberg US Universal TR USD			**12.08**	**0.70**	**2.15**	**—**	**12-31-1998**					
ICE BofA USD 3M Dep OR CM TR USD			**5.64**	**2.45**	**1.84**	**—**	**12-30-1994**					
Morningstar Con Tgt Risk TR USD			**14.94**	**2.75**	**3.25**	**—**	**02-18-2009**					
Morningstar Mod Con Tgt Risk TR USD			**18.53**	**5.20**	**5.10**	**—**	**02-18-2009**					
Morningstar Mod Tgt Risk TR USD			**22.04**	**7.07**	**6.49**	**—**	**02-18-2009**					
Morningstar US Core Bd TR USD			**11.39**	**0.30**	**—**	**—**	**05-01-2019**					
Morningstar US HY Bd TR USD			**15.69**	**—**	**—**	**—**	**01-01-2020**					
Morningstar US Real Est TR USD			**34.49**	**4.79**	**7.31**	**—**	**12-20-2010**					
Morningstar USD 1M Cash TR USD			**5.48**	**2.37**	**—**	**—**	**07-01-2019**					
MSCI ACWI Ex USA NR USD			**25.35**	**7.59**	**5.22**	**—**	**01-01-2001**					
MSCI ACWI NR USD			**31.76**	**12.19**	**9.39**	**—**	**12-29-2000**					
MSCI EAFE NR USD			**24.77**	**8.20**	**5.71**	**—**	**03-31-1986**					
MSCI EM NR USD			**26.05**	**5.75**	**4.02**	**—**	**01-01-2001**					
Russell 1000 Growth TR USD			**42.19**	**19.74**	**16.52**	**—**	**01-01-1987**					
Russell 1000 Value TR USD			**27.76**	**10.69**	**9.23**	**—**	**01-01-1987**					
Russell 2000 TR USD			**26.76**	**9.39**	**8.78**	**—**	**01-01-1984**					
Russell 3000 TR USD			**35.19**	**15.26**	**12.83**	**—**	**12-31-1978**					
Russell Mid Cap TR USD			**29.33**	**11.30**	**10.19**	**—**	**12-31-1978**					
S&P 500 TR USD			**36.35**	**15.98**	**13.38**	**—**	**01-30-1970**					
S&P Global REIT TR USD			**31.93**	**3.62**	**6.05**	**—**	**12-31-1992**					
S&P United States REIT TR USD			**34.24**	**5.49**	**7.66**	**—**	**12-31-1992**					
USTREAS T-Bill Auction Ave 3 Mon			**5.53**	**2.48**	**1.75**	**—**	**02-28-1941**					

1. Contractual waiver; Expires 01-31-2025; Interest expense 0.03%
2. Contractual waiver; Expires 08-31-2025
3. Contractual waiver; Expires 02-28-2025

Return after Tax (%)	On Distribution					On Distribution and Sales of Shares			
	1Yr	5Yr	10Yr	Since Inception	Inception Date	1Yr	5Yr	10Yr	Since Inception
AB Income Advisor	10.78	-1.26	0.49	4.09	08-28-1987	7.75	-0.36	1.02	4.29
BlackRock Systematic Multi-Strat Instl	12.26	3.03	—	3.17	05-19-2015	8.30	2.76	—	2.97
Fidelity Advisor Real Estate Income Z	17.00	2.83	—	4.12	10-02-2018	11.32	2.82	—	3.87
Fidelity Emerging Markets Idx	23.07	4.46	3.03	2.53	09-08-2011	14.43	3.82	2.68	2.26
Fidelity Global ex US Index	24.33	6.79	4.48	5.30	09-08-2011	15.35	5.72	3.90	4.60
Fidelity Government MMkt Cptl Rsrvs [N]	3.44	1.35	—	0.86	04-06-2015	3.44	1.35	—	0.86
Fidelity Large Cap Growth Idx	41.99	19.29	—	17.95	06-07-2016	25.05	15.95	—	15.36
Fidelity Large Cap Value Index	27.14	9.99	—	9.56	06-07-2016	16.64	8.26	—	8.09
Fidelity Mid Cap Index	28.89	10.57	9.36	11.73	09-08-2011	17.48	8.78	8.04	10.31
Fidelity MSCI Real Estate ETF-NAV	32.38	3.35	—	4.20	02-02-2015	20.16	3.00	—	3.75
Fidelity Small Cap Index	26.36	8.84	8.03	10.13	09-08-2011	16.00	7.33	6.94	8.91
Lord Abbett Bond-Debenture F	11.85	0.75	1.97	3.02	09-28-2007	8.53	1.20	2.21	3.13
PGIM Total Return Bond Z	11.12	-1.14	0.93	2.95	09-16-1996	7.81	-0.22	1.29	3.02
PIMCO Income Instl	9.89	1.29	1.85	4.31	03-30-2007	7.45	1.73	2.19	4.29

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Commonwealth

Portfolio Snapshot

Portfolio Value
$13,587,618.68

Benchmark
Custom

IONIA COUNTY PENSION: B37098221 (Advisory)

Non-Load Adjusted Returns

Total 14 holdings as of 09-30-2024	Symbol	Type	Holdings Date	% of Assets	Holding Value $	30-day SEC Yield Subsidized as of date	30-day SEC Yield Unsubsidized as of date	1 Yr Ret %	3 Yr Ret %	5 Yr Ret %	10 Yr Ret %
Fidelity Large Cap Growth Idx (USD)	FSPGX	MF	08-2024	18.10	2,459,211	—	—	41.85	11.73	19.42	—
Fidelity Large Cap Value Index (USD)	FLCOX	MF	08-2024	14.06	1,909,947	—	—	27.44	8.76	10.42	—
Fidelity Global ex US Index (USD)	FSGGX	MF	08-2024	12.44	1,690,255	—	—	24.99	4.01	7.29	4.98
PIMCO Income Instl (USD)	PIMIX	MF	06-2024	9.30	1,263,689	5.04 *2024-09-30*	5.04 *2024-09-30*	12.46	2.19	3.36	4.11
Fidelity Mid Cap Index (USD)	FSMDX	MF	08-2024	7.67	1,041,745	—	—	28.98	5.51	11.03	9.93
PGIM Total Return Bond Z (USD)	PDBZX	MF	08-2024	7.56	1,026,843	5.03 *2024-09-30*	5.02 *2024-09-30*	13.05	-1.21	0.47	2.37
Fidelity Small Cap Index (USD)	FSSNX	MF	07-2024	5.13	697,225	—	—	26.54	1.73	9.21	8.67
Lord Abbett Bond-Debenture F (USD)	LBDFX	MF	08-2024	5.00	679,731	5.55 *2024-09-30*	5.54 *2024-09-30*	14.28	0.06	2.43	3.82
Fidelity MSCI Real Estate ETF (USD)	FREL	ETF	10-2024	4.89	664,125	—	—	33.86	2.27	4.49	—
Fidelity Advisor Real Estate Income Z (USD)	FIKMX	MF	07-2024	4.50	611,193	—	—	19.09	2.28	4.13	5.77
AB Income Advisor (USD)	ACGYX	MF	08-2024	3.34	453,151	4.88 *2024-09-30*	4.84 *2024-09-30*	12.96	-1.78	0.25	2.28
Fidelity Emerging Markets Idx (USD)	FPADX	MF	08-2024	3.14	426,402	—	—	23.87	-0.35	4.96	3.51
BlackRock Systematic Multi-Strat Instl (USD)	BIMBX	MF	08-2024	2.64	358,937	—	—	13.91	4.87	4.10	—
Fidelity Government MMkt Cptl Rsrvs (USD)	FZAXX	MM	05-2024	2.25	305,165	—	—	4.27	2.60	1.53	—

Asset-Based Fees

The returns and/or return statistics in this report reflect the deduction of the asset-based fees listed in the table below. The annual fee percentage and frequency were provided by your financial professional. This type of fee is in addition to the normal operating expenses of the securities within the portfolio. At the portfolio-level, the asset-based fee is based on a weighted calculation of the fees associated with the underlying holdings/securities of the portfolio and the account-level fee, if any.

Security	Annual Fee %	Frequency
Fidelity Emerging Markets Idx (USD, FPADX)	0.2400	Every 3 Months
Fidelity Global ex US Index (USD, FSGGX)	0.2400	Every 3 Months
Fidelity Mid Cap Index (USD, FSMDX)	0.2400	Every 3 Months
Fidelity Small Cap Index (USD, FSSNX)	0.2400	Every 3 Months
Fidelity MSCI Real Estate ETF (USD, FREL)	0.2400	Every 3 Months
Fidelity Government MMkt Cptl Rsrvs (USD, FZAXX)	0.2400	Every 3 Months
BlackRock Systematic Multi-Strat Instl (USD, BIMBX)	0.2400	Every 3 Months
AB Income Advisor (USD, ACGYX)	0.2400	Every 3 Months
Fidelity Large Cap Value Index (USD, FLCOX)	0.2400	Every 3 Months
Fidelity Large Cap Growth Idx (USD, FSPGX)	0.2400	Every 3 Months
Fidelity Advisor Real Estate Income Z (USD, FIKMX)	0.2400	Every 3 Months
PGIM Total Return Bond Z (USD, PDBZX)	0.2400	Every 3 Months
PIMCO Income Instl (USD, PIMIX)	0.2400	Every 3 Months
Lord Abbett Bond-Debenture F (USD, LBDFX)	0.2400	Every 3 Months

Return Participation 09-30-2024

This portfolio report includes securities for which return data is not available for the entire history represented. When return is not available for a security, the remaining securities returns are reweighted to maintain consistent proportions for the securities that do have returns. The reweighting impacts trailing return data, as well as statistics that are calculated using return, including standard deviation, mean, Sharpe ratio, alpha, beta and R-squared. The following securities do not have 120 months of return data reflected in the report.

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Commonwealth

Security	Start Date
Fidelity Large Cap Value Index (USD, FLCOX)	07-31-2016
Fidelity Large Cap Growth Idx (USD, FSPGX)	07-31-2016
BlackRock Systematic Multi-Strat Instl (USD, BIMBX)	06-30-2015
Fidelity Government MMkt Cptl Rsrvs (USD, FZAXX)	05-31-2015
Fidelity MSCI Real Estate ETF (USD, FREL)	03-31-2015

Performance Disclosure

The security-level performance data shown represents past performance and does not guarantee future results. The investment return and market value will fluctuate. Current performance and market value will be lower or higher than stated herein. Please refer to the Disclosure Statement and relevant information at the end of the report for additional information. The historical benchmark index performance is selected by [you or] your financial professional as an appropriate comparison tool and is provided for informational purposes only. Actual performance returns will vary. Please refer to the Benchmark Disclosures for additional information.

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Appendix

Quarterly Performance History

Portfolio Net %	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	YTD
Q1	—	1.25	0.49	0.83	0.05	1.65	-5.76	1.63	-0.30	-0.34	0.20
Q2	—	-0.58	0.89	0.41	0.21	-0.16	3.05	0.82	-1.21	0.20	-0.60
Q3	—	-0.65	0.75	0.35	-0.01	-0.22	0.69	-0.35	-0.12	-0.14	0.95
Q4	-1.23	-1.55	0.40	0.30	-1.32	0.37	2.50	0.54	0.32	0.80	—
Portfolio Gross %	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**YTD**
Q1	—	1.32	0.56	0.89	0.11	1.72	-5.71	1.69	-0.25	-0.28	0.26
Q2	—	-0.52	0.96	0.47	0.27	-0.09	3.12	0.89	-1.16	0.26	-0.54
Q3	—	-0.59	0.82	0.41	0.05	-0.16	0.75	-0.29	-0.06	-0.08	1.01
Q4	-1.17	-1.49	0.46	0.36	-1.27	0.43	2.57	0.61	0.38	0.87	—

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Commonwealth

Correlation Matrix 09-30-2021 to 09-30-2024: IONIA COUNTY PENSION: B37098221 (Advisory)

Report Currency

USD

Correlation Matrix 3 Year

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1														
2	0.77													
3	0.87	0.76												
4	0.76	0.57	0.72											
5	0.84	0.71	0.87	0.90										
6	0.39	0.35	0.28	0.31	0.29									
7	0.70	0.57	0.79	0.59	0.74	0.31								
8	0.70	0.73	0.86	0.66	0.88	0.16	0.76							
9	0.72	0.69	0.89	0.66	0.87	0.21	0.84	0.96						
10	0.78	0.70	0.95	0.66	0.82	0.16	0.78	0.88	0.90					
11	0.66	0.59	0.83	0.56	0.75	0.21	0.76	0.89	0.95	0.84				
12	0.89	0.79	0.91	0.69	0.86	0.43	0.83	0.85	0.89	0.84	0.82			
13	0.99	0.77	0.87	0.75	0.83	0.42	0.72	0.69	0.73	0.77	0.67	0.90		
14	0.95	0.81	0.91	0.78	0.89	0.38	0.74	0.80	0.81	0.82	0.75	0.92	0.95	

Investment Key

1 AB Income Advisor (USD, ACGYX)
2 BlackRock Systematic Multi-Strat Instl (USD, BIMBX)
3 Fidelity Advisor Real Estate Income Z (USD, FIKMX)
4 Fidelity Emerging Markets Idx (USD, FPADX)
5 Fidelity Global ex US Index (USD, FSGGX)
6 Fidelity Government MMkt Cptl Rsrvs (USD, FZAXX)
7 Fidelity Large Cap Growth Idx (USD, FSPGX)
8 Fidelity Large Cap Value Index (USD, FLCOX)
9 Fidelity Mid Cap Index (USD, FSMDX)
10 Fidelity MSCI Real Estate ETF (USD, FREL)
11 Fidelity Small Cap Index (USD, FSSNX)
12 Lord Abbett Bond-Debenture F (USD, LBDFX)
13 PGIM Total Return Bond Z (USD, PDBZX)
14 PIMCO Income Instl (USD, PIMIX)

Degree of Correlation

High	Moderate	None	Moderately Negative	Highly Negative
0.70 to 1.00	0.11 to 0.69	0.10 to -0.10	-0.11 to -0.69	-0.70 to -1.00

The Correlation Matrix demonstrates the relationship of return patterns among investments. It is based upon the correlation coefficient, a number between -1.0 and 1.0. A perfect negative linear relationship between two investments has a correlation of -1.0, whereas a perfect positive linear relationship exists with a correlation of 1.0.

A correlation coefficient of 0.0 indicates no linear relationship between the investments. Correlation information can be valuable in assessing the diversification effect of combining an investment with other investing options.

Disclosure

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AB Income Advisor (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Neutral	100.00	★★★	Bloomberg US Agg	Bloomberg US Universal	US Fund Intermediate
02-05-2024	Data Coverage % 100.00	546 US Fund Intermediate Core-Plus Bond	Bond TR USD	TR USD	Core-Plus Bond

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-6.03	-7.34	-5.48	2.81	-15.38
2023	2.63	-0.28	-2.88	7.54	6.90
2024	-0.61	0.22	5.44	—	5.03

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	12.96	-1.78	0.25	2.28	7.11
Q 09-30-2024	12.96	-1.78	0.25	2.28	7.11
+/- Std Index	1.39	-0.39	-0.08	0.44	—
+/- Cat Index	0.88	-0.73	-0.45	0.13	—
% Rank Cat	23	68	65	22	
No. in Cat	606	546	505	357	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield 09-30-24	4.88 [1]	4.84

1. Contractual waiver; Expires 01-31-2025

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-227-4618 or visit www.AllianceBernstein.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

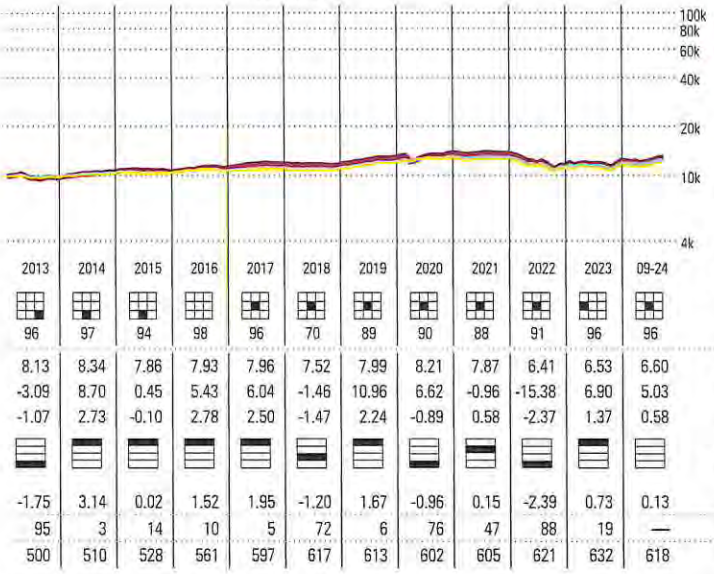
Management Fees %	0.45
12b1 Expense %	NA
Gross Expense Ratio %	**0.61**

Risk and Return Profile

	3 Yr 546 funds	5 Yr 505 funds	10 Yr 357 funds
Morningstar Rating™	2★	2★	4★
Morningstar Risk	High	High	High
Morningstar Return	-Avg	Avg	+Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	8.76	8.31	6.26
Mean	-1.54	0.49	2.53
Sharpe Ratio	-0.58	-0.20	0.15

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Bloomberg US Universal TR USD
Alpha	0.31	0.06
Beta	1.13	1.15
R-Squared	96.05	97.45
12-Month Yield		5.19%
Potential Cap Gains Exp		-38.81%



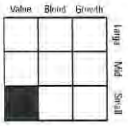
Growth of $10,000
- AB Income Advisor 12,977
- Category Average 12,685
- Standard Index 12,243

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
Investment Style													Fixed-Income/Bond %
	96	97	94	98	96	70	89	90	88	91	96	96	
	8.13	8.34	7.86	7.93	7.96	7.52	7.99	8.21	7.87	6.41	6.53	6.60	NAV/Price
	-3.09	8.70	0.45	5.43	6.04	-1.46	10.96	6.62	-0.96	-15.38	6.90	5.03	Total Return %
	-1.07	2.73	-0.10	2.78	2.50	-1.47	2.24	-0.89	0.58	-2.37	1.37	0.58	+/- Standard Index
Performance Quartile (within category)													
	-1.75	3.14	0.02	1.52	1.95	-1.20	1.67	-0.96	0.15	-2.39	0.73	0.13	+/- Category Index
	95	3	14	10	5	72	6	76	47	88	19	—	% Rank Cat
	500	510	528	561	597	617	613	602	605	621	632	618	No. of Funds in Cat

Portfolio Analysis 08-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	-32.60	3.67	36.27
US Stocks	0.13	0.13	0.00
Non-US Stocks	0.00	0.00	0.00
Bonds	130.53	143.27	12.74
Other/Not Clsfd	1.94	1.94	0.00
Total	100.00	149.01	49.01

Equity Style



Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	—	—	—
P/C Ratio TTM	—	—	—
P/B Ratio TTM	—	—	—
Geo Avg Mkt Cap $mil	—	—	—

Fixed-Income Style



Avg Eff Maturity	7.85
Avg Eff Duration	6.68
Avg Wtd Coupon	5.06
Avg Wtd Price	98.66

Credit Quality Breakdown 06-30-2024	Bond %
AAA	78.56
AA	1.34
A	5.10
BBB	14.07
BB	12.45
B	3.52
Below B	1.01
NR	-16.06

Regional Exposure	Stocks %	Rel Std Index
Americas	100.0	—
Greater Europe	0.0	—
Greater Asia	0.0	—

Share Chg since 07-2024	Share Amount	Holdings : 7 Total Stocks , 530 Total Fixed-Income, 231% Turnover Ratio	Net Assets %
✲	3,617	US 5 Year Note (CBT) Dec14	15.07
	298 mil	United States Treasury Notes 4.125%	11.67
⊖	1,337	2 Year Treasury Note Future Dec 24	-10.56
⊖	224 mil	United States Treasury Notes 4.75%	8.61
✲	1,711	10 Year Treasury Note Future Dec 24	7.37
	152 mil	United States Treasury Notes 5%	5.82
	91 mil	United States Treasury Bonds 4.25%	3.49
⊖	89 mil	United States Treasury Notes 4.125%	3.44
	81 mil	United States Treasury Bonds 4.5%	3.19
⊖	81 mil	Fnma Pass-Thru I	2.64
✲	400	US Treasury Bond Future Dec 24	1.86
⊖	40 mil	Government National Mortgage Assoc	1.53
	36 mil	United States Treasury Notes 4.875%	1.46
	45 mil	United States Treasury Bonds 3%	1.38
	34 mil	United States Treasury Notes 3.75%	1.31

Sector Weightings	Stocks %	Rel Std Index
Cyclical	—	—
Basic Materials	—	—
Consumer Cyclical	—	—
Financial Services	—	—
Real Estate	—	—
Sensitive	—	—
Communication Services	—	—
Energy	—	—
Industrials	—	—
Technology	—	—
Defensive	—	—
Consumer Defensive	—	—
Healthcare	—	—
Utilities	—	—

Operations

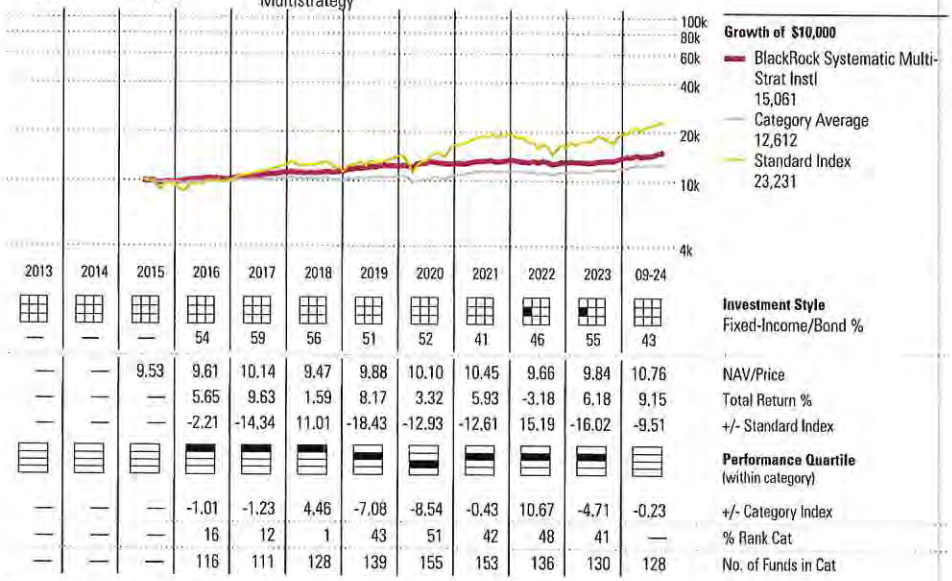
Family:	AllianceBernstein	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	ACGYX	Incept:	08-28-1987
Tenure:	8.5 Years	ISIN:	US01881M4428	Type:	MF
Objective:	Income	Minimum Initial Purchase:	$0	Total Assets:	$2,583.43 mil

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MORNINGSTAR®

BlackRock Systematic Multi-Strat Instl (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Bronze	100.00	★★★★	MSCI ACWI NR USD	Morningstar Mod Con Tgt Risk TR USD	US Fund Multistrategy
05-13-2024	Data Coverage % 100.00	112 US Fund Multistrategy			



Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-2.93	-0.65	-2.48	2.95	-3.18
2023	-0.27	0.04	1.98	4.36	6.18
2024	3.90	-0.45	5.53	—	9.15

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	13.91	4.87	4.10	—	4.47
Q 09-30-2024	13.91	4.87	4.10	—	4.47
+/- Std Index	-17.85	-3.22	-8.09	—	—
+/- Cat Index	-4.62	2.62	-1.11	—	—
% Rank Cat	1	26	34	—	
No. in Cat	126	112	104	—	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

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Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-441-7762.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

Management Fees %	0.73
12b1 Expense %	NA
Gross Expense Ratio %	**0.93**

Risk and Return Profile

	3 Yr 112 funds	5 Yr 104 funds	10 Yr 59 funds
Morningstar Rating™	4★	4★	—
Morningstar Risk	Avg	-Avg	—
Morningstar Return	+Avg	Avg	—

	3 Yr	5 Yr	10 Yr
Standard Deviation	4.42	4.70	—
Mean	5.12	4.35	—
Sharpe Ratio	0.30	0.41	—

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Morningstar Con Tgt Risk TR USD
Alpha	0.06	2.23
Beta	0.18	0.39
R-Squared	49.54	61.42

12-Month Yield	—
Potential Cap Gains Exp	-5.49%

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
	—	—	—	54	59	56	51	52	41	46	55	43	
	—	—	9.53	9.61	10.14	9.47	9.88	10.10	10.45	9.66	9.84	10.76	NAV/Price
	—	—	—	5.65	9.63	1.59	8.17	3.32	5.93	-3.18	6.18	9.15	Total Return %
	—	—	—	-2.21	-14.34	11.01	-18.43	-12.93	-12.61	15.19	-16.02	-9.51	+/- Standard Index
	—	—	—	-1.01	-1.23	4.46	-7.08	-8.54	-0.43	10.67	-4.71	-0.23	+/- Category Index
	—	—	—	16	12	1	43	51	42	48	41	—	% Rank Cat
	—	—	—	116	111	128	139	155	153	136	130	128	No. of Funds in Cat

Investment Style Fixed-Income/Bond %

Performance Quartile (within category)

Portfolio Analysis 08-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	-23.01	105.21	128.22
US Stocks	16.42	60.84	44.43
Non-US Stocks	-0.39	2.13	2.51
Bonds	106.83	125.38	18.55
Other/Not Clsfd	0.14	0.35	0.20
Total	100.00	293.91	193.91

Equity Style

Value	Blend	Growth	
			Large
■			Mid
			Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	17.9	0.82	1.06
P/C Ratio TTM	10.0	0.76	1.01
P/B Ratio TTM	2.8	0.92	1.22
Geo Avg Mkt Cap $mil	39089	0.25	0.94

Fixed-Income Style

Ltd	Mod	Ext	
			High
			Med
			Low

Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown 08-31-2024

	Bond %
AAA	0.12
AA	12.84
A	21.70
BBB	26.45
BB	21.22
B	12.75
Below B	1.39
NR	3.53

Regional Exposure	Stocks %	Rel Std Index
Americas	98.6	1.46
Greater Europe	1.2	0.08
Greater Asia	0.1	0.01

Share Chg since 07-2024	Share Amount	Holdings : 535 Total Stocks , 1,330 Total Fixed-Income, 344% Turnover Ratio	Net Assets %
✲	6,927	Us 2Yr Note Dec 24	20.92
⊖	8,082	10 Year Treasury Note Future Dec 24	-13.35
✲	2,586	Us Ultra T-Bond Dec 24	4.95
⊖	2,257	Us Long Bond Dec 24	-4.04
⊕	1,296	Euro Bund Future Sept 24	2.79
✲	2,097	10 Year Australian Treasury Bond F	2.41
	68 mil	CONNECTICUT AVENUE SECURITIES TRUS	1.02
⊕	65 mil	CONNECTICUT AVENUE SECURITIES TRUS	1.00
⊕	64 mil	CONNECTICUT AVENUE SECURITIES TRUS	0.96
	62 mil	CONNECTICUT AVENUE SECURITIES TRUS	0.95
	61 mil	CONNECTICUT AVENUE SECURITIES TRUS	0.95
	60 mil	CONNECTICUT AVENUE SECURITIES TRUS	0.90
⊖	85,650	Netflix Inc	0.87
⊖	379,437	Quest Diagnostics Inc	0.87
⊖	313,538	Allstate Corp	0.86

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**36.0**	**1.11**
Basic Materials	6.2	1.58
Consumer Cyclical	17.5	1.67
Financial Services	10.2	0.64
Real Estate	2.2	0.97
Sensitive	**34.9**	**0.73**
Communication Services	5.3	0.67
Energy	7.7	1.92
Industrials	10.9	1.09
Technology	10.9	0.42
Defensive	**29.1**	**1.46**
Consumer Defensive	8.8	1.41
Healthcare	11.9	1.09
Utilities	8.4	3.03

Operations

Family:	BlackRock	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	BIMBX	Incept:	05-19-2015
Tenure:	9.4 Years	ISIN:	US09260C3079	Type:	MF
Objective:	Growth and Income	Minimum Initial Purchase:	$2 mil	Total Assets:	$7,005.68 mil

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MORNINGSTAR®

Fidelity Advisor Real Estate Income Z (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Silver	100.00	★	Morningstar Mod Tgt Risk TR USD	Morningstar Mod Tgt Risk TR USD	US Fund Moderate Allocation
02-16-2024	Data Coverage % 100.00	682 US Fund Moderate Allocation			

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-3.41	-8.66	-4.97	1.76	-14.68
2023	2.10	1.92	-2.72	7.92	9.26
2024	1.24	1.29	7.61	—	10.35

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	19.09	2.28	4.13	*5.77*	5.55
Q 09-30-2024	19.09	2.28	4.13	*5.77*	5.55
+/- Std Index	-2.95	-1.33	-2.93	*-0.72*	—
+/- Cat Index	-2.95	-1.33	-2.93	*-0.72*	—
% Rank Cat	80	91	96	*76*	
No. in Cat	733	682	643	491	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 877-208-0098 or visit www.institutional.fidelity.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

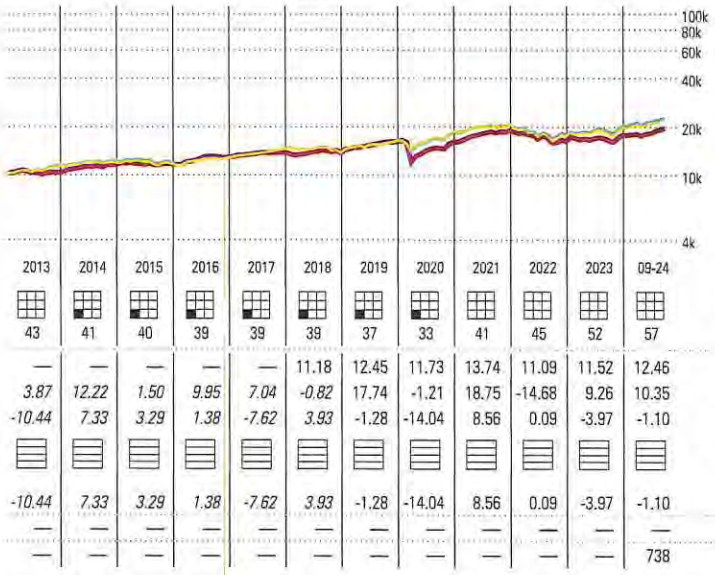
Management Fees %	0.56
12b1 Expense %	NA
Gross Expense Ratio %	**0.57**

Risk and Return Profile

	3 Yr 682 funds	5 Yr 643 funds	10 Yr *491 funds*
Morningstar Rating™	2★	1★	2☆
Morningstar Risk	Low	High	*High*
Morningstar Return	Low	Low	*-Avg*

	3 Yr	5 Yr	10 Yr
Standard Deviation	10.18	15.09	*11.26*
Mean	2.53	4.38	*6.02*
Sharpe Ratio	-0.08	0.20	*0.43*

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index S&P Global REIT TR USD
Alpha	-1.44	-1.62
Beta	0.76	0.48
R-Squared	87.49	92.89
12-Month Yield		—
Potential Cap Gains Exp		-0.99%



Growth of $10,000
- Fidelity Advisor Real Estate Income Z 19,621
- Category Average 22,834
- Standard Index 22,217

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24
Investment Style Fixed-Income/Bond %	43	41	40	39	39	39	37	33	41	45	52	57
NAV/Price	—	—	—	—	—	11.18	12.45	11.73	13.74	11.09	11.52	12.46
Total Return %	*3.87*	*12.22*	*1.50*	*9.95*	*7.04*	*-0.82*	17.74	-1.21	18.75	-14.68	9.26	10.35
+/- Standard Index	*-10.44*	*7.33*	*3.29*	*1.38*	*-7.62*	*3.93*	-1.28	-14.04	8.56	0.09	-3.97	-1.10
Performance Quartile (within category)												
+/- Category Index	*-10.44*	*7.33*	*3.29*	*1.38*	*-7.62*	*3.93*	-1.28	-14.04	8.56	0.09	-3.97	-1.10
% Rank Cat	—	—	—	—	—	—	—	—	—	—	—	—
No. of Funds in Cat	—	—	—	—	—	—	—	—	—	—	—	738

Portfolio Analysis 07-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	3.87	3.87	0.00
US Stocks	23.82	23.82	0.00
Non-US Stocks	0.00	0.00	0.00
Bonds	56.66	56.66	0.00
Other/Not Clsfd	15.65	15.65	0.00
Total	100.00	100.00	0.00

Equity Style

Value	Blend	Growth	
			Large
	■		Mid
			Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	33.2	1.67	1.41
P/C Ratio TTM	17.9	1.54	1.20
P/B Ratio TTM	2.5	1.03	0.72
Geo Avg Mkt Cap $mil	22084	0.37	0.12

Fixed-Income Style

Ltd	Mod	Ext	
			High
			Med
			Low

Avg Eff Maturity	—
Avg Eff Duration	3.08
Avg Wtd Coupon	—
Avg Wtd Price	95.00

Credit Quality Breakdown 07-31-2024

	Bond %
AAA	8.28
AA	3.03
A	6.81
BBB	30.71
BB	19.59
B	9.59
Below B	0.00
NR	21.99

Regional Exposure	Stocks %	Rel Std Index
Americas	100.0	1.63
Greater Europe	0.0	0.00
Greater Asia	0.0	0.00

Share Chg since 06-2024	Share Amount	Holdings : 49 Total Stocks , 180 Total Fixed-Income, 24% Turnover Ratio	Net Assets %
⊖	171 mil	Fidelity Cash Central Fund	3.57
	532,300	American Tower Corp	2.45
	1 mil	Equity Lifestyle Properties Inc	1.88
	588,830	Prologis Inc	1.55
⊖	627,800	Welltower Inc	1.46
	85,000	Equinix Inc	1.40
	573,510	Crown Castle Inc	1.32
	174,300	Public Storage	1.08
	934,186	Ventas Inc	1.06
	138,800	Essex Property Trust Inc	0.81
⊕	1 mil	VICI Properties Inc Ordinary Shares	0.78
	1 mil	Annaly Capital Management Inc Cum	0.78
	38 mil	VICI Properties LP 5.125%	0.77
	35 mil	Crown Castle Inc. 5.1%	0.73
	3 mil	LXP Industrial Trust	0.70

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**99.8**	**2.57**
Basic Materials	0.0	0.00
Consumer Cyclical	0.0	0.00
Financial Services	0.0	0.00
Real Estate	99.8	14.77
Sensitive	**0.2**	**0.01**
Communication Services	0.0	0.00
Energy	0.0	0.00
Industrials	0.2	0.02
Technology	0.0	0.00
Defensive	**0.0**	**0.00**
Consumer Defensive	0.0	0.00
Healthcare	0.0	0.00
Utilities	0.0	0.00

Operations

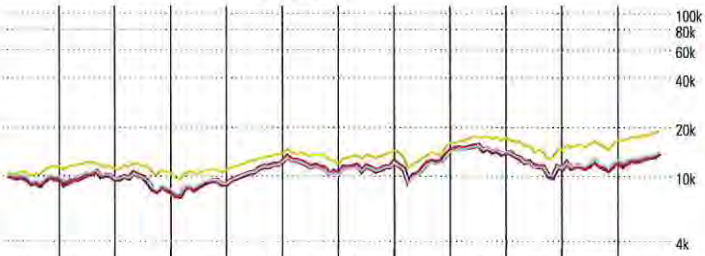
Family:	Fidelity Investments	Base Currency:	USD	Purchase Constraints:	A
Manager:	Bill Maclay	Ticker:	FIKMX	Incept:	10-02-2018
Tenure:	5.6 Years	ISIN:	US3163893114	Type:	MF
Objective:	Specialty - Real Estate	Minimum Initial Purchase:	$0	Total Assets:	$4,993.42 mil

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MORNINGSTAR®

Fidelity Emerging Markets Idx (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Bronze	100.00	★★★	MSCI ACWI Ex USA NR USD	MSCI EM NR USD	US Fund Diversified Emerging Mkts
08-31-2024	Data Coverage % 100.00	711 US Fund Diversified Emerging Mkts			



Growth of $10,000
- Fidelity Emerging Markets Idx 13,986
- Category Average 14,278
- Standard Index 19,173

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-7.67	-10.26	-12.32	9.75	-20.26
2023	4.18	0.96	-3.48	7.61	9.24
2024	2.13	4.71	7.65	—	15.12

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	23.87	-0.35	4.96	3.51	2.96
Q 09-30-2024	23.87	-0.35	4.96	3.51	2.96
+/- Std Index	-1.48	-4.49	-2.62	-1.71	—
+/- Cat Index	-2.18	-0.75	-0.79	-0.52	—
% Rank Cat	44	52	60	49	
No. in Cat	795	711	639	426	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

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Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

Management Fees %	0.08
12b1 Expense %	NA
Gross Expense Ratio %	**0.08**

Risk and Return Profile

	3 Yr 711 funds	5 Yr 639 funds	10 Yr 426 funds
Morningstar Rating™	3★	3★	3★
Morningstar Risk	Avg	-Avg	Avg
Morningstar Return	Avg	Avg	Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	17.96	18.76	17.16
Mean	-0.11	5.22	3.76
Sharpe Ratio	-0.13	0.23	0.20

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index MSCI EM NR USD
Alpha	-4.12	-0.68
Beta	0.97	1.01
R-Squared	77.85	98.22

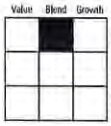
12-Month Yield	—
Potential Cap Gains Exp	-23.39%

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
	94	93	99	99	98	94	98	96	97	98	98	96	**Investment Style** Equity/Stocks %
	9.56	9.42	7.73	8.46	11.42	9.54	10.98	12.74	12.09	9.43	10.05	11.59	NAV/Price
	-4.92	0.35	-16.04	10.99	37.32	-14.83	17.98	17.54	-3.27	-20.26	9.24	15.12	Total Return %
	-20.21	4.22	-10.38	6.50	10.12	-0.64	-3.53	6.89	-11.09	-4.25	-6.38	0.90	+/- Standard Index
													Performance Quartile (within category)
	-2.32	2.54	-1.13	-0.19	0.03	-0.26	-0.46	-0.77	-0.73	-0.17	-0.59	-1.75	+/- Category Index
	74	17	65	30	34	35	57	43	68	44	66	—	% Rank Cat
	614	749	840	813	806	836	835	796	791	816	816	800	No. of Funds in Cat

Portfolio Analysis 08-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	0.07	3.73	3.65
US Stocks	0.28	0.28	0.00
Non-US Stocks	99.65	99.65	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	103.65	3.65

Equity Style



Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	14.1	0.90	0.98
P/C Ratio TTM	5.5	0.67	0.94
P/B Ratio TTM	1.7	0.92	0.91
Geo Avg Mkt Cap $mil	45280	0.86	0.83

Fixed-Income Style



Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown —	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	7.5	0.72
Greater Europe	12.7	0.28
Greater Asia	79.8	1.78

Share Chg since 07-2024	Share Amount	Holdings : 1,324 Total Stocks , 1 Total Fixed-Income, 7% Turnover Ratio	Net Assets %
	24 mil	Taiwan Semiconductor Manufacturing	9.16
	7 mil	Tencent Holdings Ltd	4.03
⊕	5,329	MSCI Emerging Markets Index Future	3.72
⊕	284 mil	Fidelity Cash Central Fund	3.61
	5 mil	Samsung Electronics Co Ltd	3.33
	15 mil	Alibaba Group Holding Ltd Ordinary	2.03
	3 mil	Reliance Industries Ltd	1.38
	3 mil	Infosys Ltd	0.97
	5 mil	Meituan Class B	0.96
	5 mil	ICICI Bank Ltd	0.96
	12 mil	Hon Hai Precision Industry Co Ltd	0.90
	540,202	SK Hynix Inc	0.89
	95 mil	China Construction Bank Corp Class	0.86
	2 mil	MediaTek Inc	0.74
	591,510	PDD Holdings Inc ADR	0.72

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**42.3**	**1.01**
Basic Materials	6.7	0.94
Consumer Cyclical	11.6	1.10
Financial Services	22.5	1.01
Real Estate	1.4	0.73
Sensitive	**45.9**	**1.20**
Communication Services	9.4	1.55
Energy	5.4	1.06
Industrials	6.9	0.51
Technology	24.1	1.80
Defensive	**11.8**	**0.59**
Consumer Defensive	5.0	0.70
Healthcare	3.8	0.39
Utilities	3.0	0.98

Operations

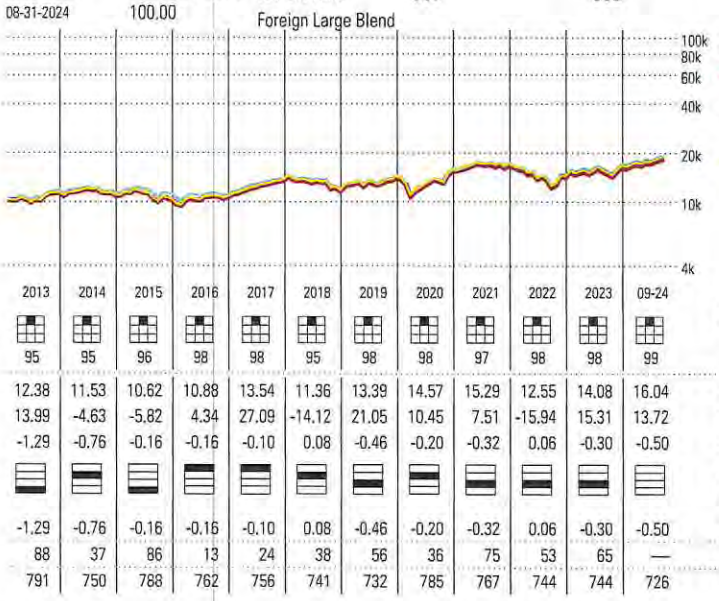
Family:	Fidelity Investments	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	FPADX	Incept:	09-08-2011
Tenure:	13.1 Years	ISIN:	US3161463316	Type:	MF
Objective:	Diversified Emerging Markets	Minimum Initial Purchase:	$0	Total Assets:	$8,382.12 mil

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MORNINGSTAR®

Fidelity Global ex US Index (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Silver	20.00	★★★	MSCI ACWI Ex USA NR USD	MSCI ACWI Ex USA NR USD	US Fund Foreign Large Blend
08-31-2024	Data Coverage % 100.00	667 US Fund Foreign Large Blend			



Growth of $10,000
- Fidelity Global ex US Index 18,473
- Category Average 19,296
- Standard Index 19,173

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-6.14	-12.66	-10.81	14.96	-15.94
2023	6.95	2.54	-4.34	9.92	15.31
2024	4.62	0.96	7.66	—	13.72

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	24.99	4.01	7.29	4.98	5.74
Q 09-30-2024	24.99	4.01	7.29	4.98	5.74
+/- Std Index	-0.36	-0.12	-0.29	-0.24	—
+/- Cat Index	-0.36	-0.12	-0.29	-0.24	—
% Rank Cat	35	57	61	62	
No. in Cat	717	667	629	422	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
	95	95	96	98	98	95	98	98	97	98	98	99	**Investment Style** Equity/Stocks %
	12.38	11.53	10.62	10.88	13.54	11.36	13.39	14.57	15.29	12.55	14.08	16.04	NAV/Price
	13.99	-4.63	-5.82	4.34	27.09	-14.12	21.05	10.45	7.51	-15.94	15.31	13.72	Total Return %
	-1.29	-0.76	-0.16	-0.16	-0.10	0.08	-0.46	-0.20	-0.32	0.06	-0.30	-0.50	+/- Standard Index
													Performance Quartile (within category)
	-1.29	-0.76	-0.16	-0.16	-0.10	0.08	-0.46	-0.20	-0.32	0.06	-0.30	-0.50	+/- Category Index
	88	37	86	13	24	38	56	36	75	53	65	—	% Rank Cat
	791	750	788	762	756	741	732	785	767	744	744	726	No. of Funds in Cat

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-835-5092 or visit www.institutional.fidelity.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

Management Fees %	0.06
12b1 Expense %	NA
Gross Expense Ratio %	**0.06**

Risk and Return Profile

	3 Yr 667 funds	5 Yr 629 funds	10 Yr 422 funds
Morningstar Rating™	3★	3★	3★
Morningstar Risk	Avg	-Avg	-Avg
Morningstar Return	Avg	Avg	Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	17.05	17.56	15.05
Mean	4.26	7.55	5.23
Sharpe Ratio	0.11	0.36	0.30

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index MSCI ACWI Ex USA NR USD
Alpha	-0.07	-0.07
Beta	1.03	1.03
R-Squared	98.04	98.04
12-Month Yield		—
Potential Cap Gains Exp		-10.84%

Portfolio Analysis 08-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	0.00	1.04	1.04
US Stocks	0.53	0.53	0.00
Non-US Stocks	99.31	99.31	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.15	0.15	0.00
Total	100.00	101.04	1.04

Equity Style

Value	Blend	Growth
	■	

(Large / Mid / Small)

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	16.1	1.02	0.98
P/C Ratio TTM	8.3	1.02	0.86
P/B Ratio TTM	1.8	0.98	0.96
Geo Avg Mkt Cap $mil	52494	0.99	0.81

Fixed-Income Style

Ltd	Mod	Ext

(High / Mid / Low)

Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown —	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	10.3	0.99
Greater Europe	45.8	1.03
Greater Asia	43.9	0.98

Share Chg since 07-2024	Share Amount	Holdings : 2,183 Total Stocks , 1 Total Fixed-Income, 8% Turnover Ratio	Net Assets %
	10 mil	Taiwan Semiconductor Manufacturing	2.63
	1 mil	Novo Nordisk A/S Class B	1.64
	156,984	ASML Holding NV	1.30
	3 mil	Tencent Holdings Ltd	1.16
	1 mil	Nestle SA	1.03
	608,981	AstraZeneca PLC	0.98
⊖	104 mil	Fidelity Cash Central Fund	0.96
	2 mil	Samsung Electronics Co Ltd	0.96
⊖	830	MSCI EAFE Index Future Sept 24	0.94
	774,154	Novartis AG Registered Shares	0.86
	276,055	Roche Holding AG	0.86
	410,199	SAP SE	0.83
	3 mil	Shell PLC	0.82
	108,315	Lvmh Moet Hennessy Louis Vuitton SE	0.74
	4 mil	Toyota Motor Corp	0.73

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**40.7**	**0.97**
Basic Materials	6.8	0.95
Consumer Cyclical	10.3	0.97
Financial Services	21.8	0.98
Real Estate	1.9	0.97
Sensitive	**38.8**	**1.01**
Communication Services	5.8	0.95
Energy	5.5	1.07
Industrials	13.7	1.00
Technology	13.8	1.03
Defensive	**20.4**	**1.03**
Consumer Defensive	7.1	0.99
Healthcare	10.3	1.07
Utilities	3.0	0.99

Operations

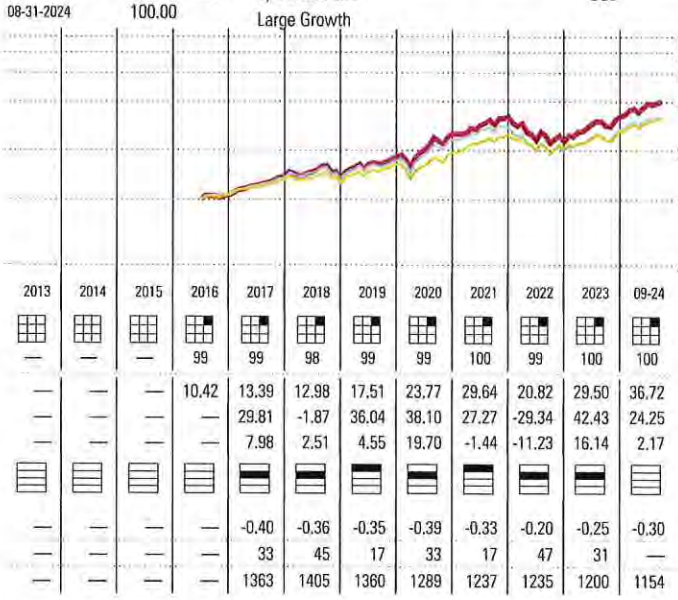
Family:	Fidelity Investments	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	FSGGX	Incept:	09-08-2011
Tenure:	13.1 Years	ISIN:	US3161463159	Type:	MF
Objective:	Foreign Stock	Minimum Initial Purchase:	$0	Total Assets:	$11,196.19 mil

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MORNINGSTAR®

Fidelity Large Cap Growth Idx (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Silver	100.00	★★★★★	S&P 500 TR USD	Russell 1000 Growth TR USD	US Fund Large Growth
08-31-2024	Data Coverage % 100.00	1,076 US Fund Large Growth			



Growth of $10,000
- Fidelity Large Cap Growth Idx 40,194
- Category Average 32,549
- Standard Index 31,773

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-9.10	-20.98	-3.68	2.12	-29.34
2023	14.34	12.71	-3.19	14.16	42.43
2024	11.32	8.27	3.08	—	24.25

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	41.85	11.73	19.43	—	18.05
Q 09-30-2024	41.85	11.73	19.43	—	18.05
+/- Std Index	5.49	-0.18	3.45	—	—
+/- Cat Index	-0.34	-0.29	-0.32	—	—
% Rank Cat	35	9	12	—	
No. in Cat	1141	1076	1005	—	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit www.institutional.fidelity.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

Management Fees %	0.04
12b1 Expense %	NA
Gross Expense Ratio %	**0.04**

Risk and Return Profile

	3 Yr 1,076 funds	5 Yr 1,005 funds	10 Yr *788 funds*
Morningstar Rating™	4★	5★	—
Morningstar Risk	Avg	Avg	—
Morningstar Return	High	+Avg	—

	3 Yr	5 Yr	10 Yr
Standard Deviation	20.87	20.59	—
Mean	12.00	19.71	—
Sharpe Ratio	0.47	0.86	—

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Russell 1000 Growth TR USD
Alpha	-0.77	-0.27
Beta	1.14	1.00
R-Squared	91.53	100.00
12-Month Yield		—
Potential Cap Gains Exp		28.70%

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
	—	—	—	99	99	98	99	99	100	99	100	100	**Investment Style** Equity/Stocks %
	—	—	—	10.42	13.39	12.98	17.51	23.77	29.64	20.82	29.50	36.72	NAV/Price
	—	—	—	—	29.81	-1.87	36.04	38.10	27.27	-29.34	42.43	24.25	Total Return %
	—	—	—	—	7.98	2.51	4.55	19.70	-1.44	-11.23	16.14	2.17	+/- Standard Index
													Performance Quartile (within category)
	—	—	—	—	-0.40	-0.36	-0.35	-0.39	-0.33	-0.20	-0.25	-0.30	+/- Category Index
	—	—	—	—	33	45	17	33	17	47	31	—	% Rank Cat
	—	—	—	—	1363	1405	1360	1289	1237	1235	1200	1154	No. of Funds in Cat

Portfolio Analysis 08-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	-0.01	0.15	0.16
US Stocks	99.82	99.82	0.00
Non-US Stocks	0.19	0.19	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.16	0.16

Equity Style

Value	Blend	Growth	
		■	Large
			Mid
			Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	35.7	1.30	1.04
P/C Ratio TTM	25.4	1.34	1.03
P/B Ratio TTM	11.8	2.47	1.33
Geo Avg Mkt Cap $mil	656137	2.00	1.22

Fixed-Income Style

Ltd	Mod	Ext	
			High
			Mid
			Low

Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown —	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	100.0	1.01
Greater Europe	0.0	0.01
Greater Asia	0.0	0.02

Share Chg since 07-2024	Share Amount	Holdings : 394 Total Stocks , 0 Total Fixed-Income, 15% Turnover Ratio	Net Assets %
⊕	15 mil	Apple Inc	12.35
⊕	8 mil	Microsoft Corp	11.51
⊕	24 mil	NVIDIA Corp	10.53
⊕	9 mil	Amazon.com Inc	6.15
⊕	2 mil	Meta Platforms Inc Class A	4.24
⊕	6 mil	Alphabet Inc Class A	3.56
⊕	859,688	Eli Lilly and Co	3.03
⊕	5 mil	Alphabet Inc Class C	3.02
⊕	5 mil	Broadcom Inc	2.75
⊕	3 mil	Tesla Inc	2.21
⊕	2 mil	Visa Inc Class A	1.62
⊕	835,157	Mastercard Inc Class A	1.48
⊕	448,048	Costco Wholesale Corp	1.47
⊕	3 mil	Merck & Co Inc	1.11
⊕	432,421	Netflix Inc	1.11

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**20.6**	**0.76**
Basic Materials	0.6	0.32
Consumer Cyclical	13.3	1.30
Financial Services	6.1	0.49
Real Estate	0.6	0.25
Sensitive	**67.0**	**1.27**
Communication Services	12.6	1.42
Energy	0.4	0.13
Industrials	3.5	0.46
Technology	50.6	1.53
Defensive	**12.4**	**0.61**
Consumer Defensive	3.8	0.64
Healthcare	8.5	0.73
Utilities	0.2	0.07

Operations

Family:	Fidelity Investments	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	FSPGX	Incept:	06-07-2016
Tenure:	8.3 Years	ISIN:	US31635V7293	Type:	MF
Objective:	Growth	Minimum Initial Purchase:	$0	Total Assets:	$28,187.21 mil

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MORNINGSTAR®

Fidelity Large Cap Value Index (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Silver	100.00	★★★	S&P 500 TR USD	Russell 1000 Value TR USD	US Fund Large Value
08-31-2024	Data Coverage % 100.00	1,085 US Fund Large Value			

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-0.86	-12.27	-5.64	12.34	-7.79
2023	0.95	3.97	-3.16	9.43	11.23
2024	8.90	-2.21	9.36	—	16.46

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	27.44	8.76	10.42	—	9.97
Q 09-30-2024	27.44	8.76	10.42	—	9.97
+/- Std Index	-8.91	-3.15	-5.56	—	—
+/- Cat Index	-0.32	-0.26	-0.27	—	—
% Rank Cat	46	63	63	—	
No. in Cat	1173	1085	1031	—	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit www.institutional.fidelity.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

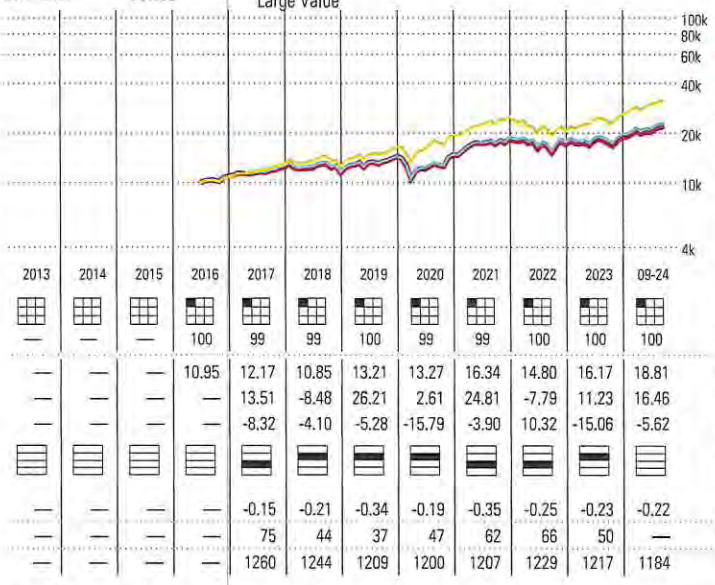
Management Fees %	0.04
12b1 Expense %	NA
Gross Expense Ratio %	**0.04**

Risk and Return Profile

	3 Yr 1,085 funds	5 Yr 1,031 funds	10 Yr *804 funds*
Morningstar Rating™	3★	3★	—
Morningstar Risk	Avg	Avg	—
Morningstar Return	Avg	Avg	—

	3 Yr	5 Yr	10 Yr
Standard Deviation	16.62	18.42	—
Mean	9.02	10.68	—
Sharpe Ratio	0.38	0.51	—

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Russell 1000 Value TR USD
Alpha	-1.86	-0.24
Beta	0.87	1.00
R-Squared	83.42	100.00
12-Month Yield		—
Potential Cap Gains Exp		14.90%



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
Investment Style Equity/Stocks %	—	—	—	100	99	99	100	99	99	100	100	100	
NAV/Price	—	—	—	10.95	12.17	10.85	13.21	13.27	16.34	14.80	16.17	18.81	
Total Return %	—	—	—	—	13.51	-8.48	26.21	2.61	24.81	-7.79	11.23	16.46	
+/- Standard Index	—	—	—	—	-8.32	-4.10	-5.28	-15.79	-3.90	10.32	-15.06	-5.62	
Performance Quartile (within category)													
+/- Category Index	—	—	—	—	-0.15	-0.21	-0.34	-0.19	-0.35	-0.25	-0.23	-0.22	
% Rank Cat	—	—	—	—	75	44	37	47	62	66	50	—	
No. of Funds in Cat	—	—	—	—	1260	1244	1209	1200	1207	1229	1217	1184	

Portfolio Analysis 08-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	0.04	0.13	0.10
US Stocks	98.91	98.91	0.00
Non-US Stocks	1.05	1.05	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.10	0.10

Equity Style

Value	Blend	Growth	
			Large
			Mid
			Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	20.3	0.74	1.04
P/C Ratio TTM	13.0	0.69	1.05
P/B Ratio TTM	2.6	0.55	1.01
Geo Avg Mkt Cap $mil	82541	0.25	0.60

Fixed-Income Style

Ltd	Mod	Ext	
			High
			Mid
			Low

Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown —	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	99.1	1.00
Greater Europe	0.9	1.66
Greater Asia	0.0	0.60

Share Chg since 07-2024	Share Amount	Holdings : 872 Total Stocks , 0 Total Fixed-Income, 27% Turnover Ratio	Net Assets %
⊕	641,202	Berkshire Hathaway Inc Class B	3.48
⊕	1 mil	JPMorgan Chase & Co	2.57
⊕	2 mil	Exxon Mobil Corp	2.11
⊕	300,249	UnitedHealth Group Inc	2.02
⊕	845,032	Johnson & Johnson	1.60
⊕	2 mil	Walmart Inc	1.34
⊕	642,245	Procter & Gamble Co	1.26
⊕	2 mil	Bank of America Corp	1.10
⊕	603,542	Chevron Corp	1.02
⊕	133,771	Thermo Fisher Scientific Inc	0.94
⊕	168,305	Linde PLC	0.92
⊕	219,798	Accenture PLC Class A	0.86
⊕	1 mil	Cisco Systems Inc	0.82
⊕	1 mil	Wells Fargo & Co	0.82
⊕	352,515	AbbVie Inc	0.79

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**36.2**	**1.33**
Basic Materials	3.9	1.96
Consumer Cyclical	6.5	0.63
Financial Services	20.8	1.67
Real Estate	4.9	2.09
Sensitive	**35.2**	**0.67**
Communication Services	4.1	0.46
Energy	7.0	2.12
Industrials	13.7	1.81
Technology	10.3	0.31
Defensive	**28.6**	**1.42**
Consumer Defensive	7.9	1.34
Healthcare	15.9	1.37
Utilities	4.8	1.80

Operations

Family:	Fidelity Investments	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	FLCOX	Incept:	06-07-2016
Tenure:	8.3 Years	ISIN:	US31635V6790	Type:	MF
Objective:	Growth	Minimum Initial Purchase:	$0	Total Assets:	$8,809.75 mil

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MORNINGSTAR®

Fidelity Mid Cap Index (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Gold	100.00	★★★★	S&P 500 TR USD	Russell Mid Cap TR USD	US Fund Mid-Cap Blend
08-31-2024	Data Coverage % 100.00	402 US Fund Mid-Cap Blend			

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-5.75	-16.90	-3.47	9.14	-17.48
2023	3.99	4.69	-4.71	12.72	16.93
2024	8.55	-3.40	9.13	—	14.43

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	28.98	5.51	11.03	9.93	12.22
Q 09-30-2024	28.98	5.51	11.03	9.93	12.22
+/- Std Index	-7.37	-6.41	-4.94	-3.45	—
+/- Cat Index	-0.34	-0.24	-0.26	-0.27	—
% Rank Cat	27	65	49	28	
No. in Cat	427	402	365	253	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit www.institutional.fidelity.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

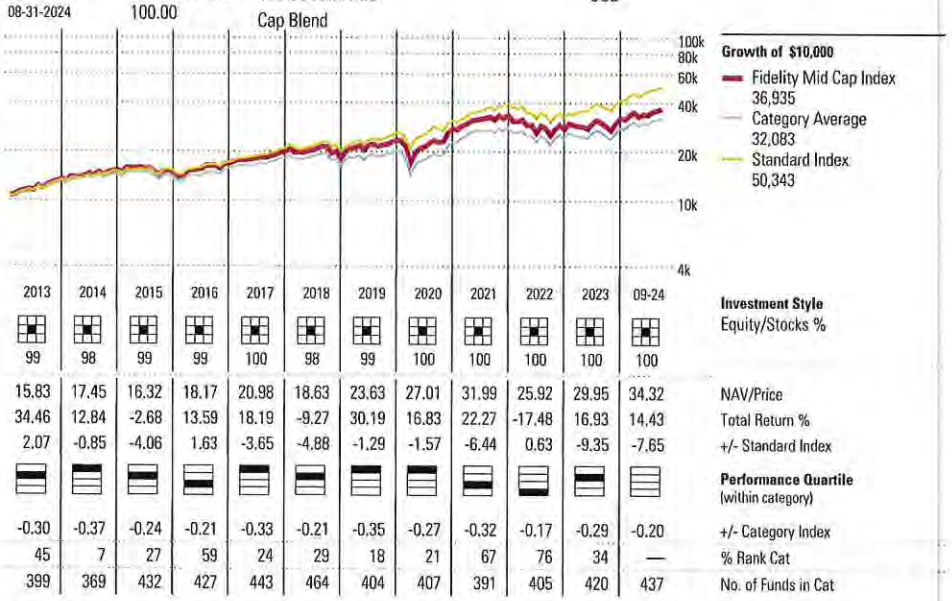
Management Fees %	0.03
12b1 Expense %	NA
Gross Expense Ratio %	**0.03**

Risk and Return Profile

	3 Yr 402 funds	5 Yr 365 funds	10 Yr 253 funds
Morningstar Rating™	3★	3★	4★
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	Avg	+Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	19.65	20.95	17.27
Mean	5.76	11.30	10.19
Sharpe Ratio	0.19	0.50	0.55

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Russell Mid Cap TR USD
Alpha	-6.02	-0.23
Beta	1.05	1.00
R-Squared	87.64	100.00
12-Month Yield		—
Potential Cap Gains Exp		18.30%



Growth of $10,000
- Fidelity Mid Cap Index 36,935
- Category Average 32,083
- Standard Index 50,343

Investment Style Equity/Stocks %

15.83	17.45	16.32	18.17	20.98	18.63	23.63	27.01	31.99	25.92	29.95	34.32	NAV/Price
34.46	12.84	-2.68	13.59	18.19	-9.27	30.19	16.83	22.27	-17.48	16.93	14.43	Total Return %
2.07	-0.85	-4.06	1.63	-3.65	-4.88	-1.29	-1.57	-6.44	0.63	-9.35	-7.65	+/- Standard Index
												Performance Quartile (within category)
-0.30	-0.37	-0.24	-0.21	-0.33	-0.21	-0.35	-0.27	-0.32	-0.17	-0.29	-0.20	+/- Category Index
45	7	27	59	24	29	18	21	67	76	34	—	% Rank Cat
399	369	432	427	443	464	404	407	391	405	420	437	No. of Funds in Cat

Portfolio Analysis 08-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	0.07	0.14	0.07
US Stocks	98.22	98.22	0.00
Non-US Stocks	1.71	1.71	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.07	0.07

Equity Style

Value	Blend	Growth	
			Large
	■		Mid
			Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	21.1	0.77	1.03
P/C Ratio TTM	13.1	0.69	1.03
P/B Ratio TTM	2.9	0.60	0.96
Geo Avg Mkt Cap $mil	20845	0.06	1.56

Fixed-Income Style

Ltd	Mod	Ext	
			High
			Mod
			Low

Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown —	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	99.0	1.00
Greater Europe	1.0	1.77
Greater Asia	0.1	1.28

Share Chg since 07-2024	Share Amount	Holdings : 811 Total Stocks , 0 Total Fixed-Income, 8% Turnover Ratio	Net Assets %
⊖	6 mil	Palantir Technologies Inc Ordinary	0.55
⊖	669,986	Arthur J. Gallagher & Co	0.55
⊖	2 mil	Aflac Inc	0.55
⊖	920,412	D.R. Horton Inc	0.49
⊖	4 mil	Williams Companies Inc	0.48
⊖	1 mil	Simon Property Group Inc	0.47
⊖	2 mil	ONEOK Inc	0.47
⊖	762,444	Hilton Worldwide Holdings Inc	0.47
⊖	3 mil	Realty Income Corp	0.47
⊖	2 mil	Bank of New York Mellon Corp	0.44
⊖	814,910	Allstate Corp	0.43
⊖	1 mil	Ross Stores Inc	0.43
⊖	206,093	United Rentals Inc	0.43
⊖	1 mil	Digital Realty Trust Inc	0.43
⊖	1 mil	Crown Castle Inc	0.42

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**38.6**	**1.42**
Basic Materials	4.4	2.22
Consumer Cyclical	11.6	1.13
Financial Services	14.3	1.15
Real Estate	8.3	3.53
Sensitive	**40.2**	**0.76**
Communication Services	3.1	0.35
Energy	5.2	1.58
Industrials	15.7	2.07
Technology	16.2	0.49
Defensive	**21.2**	**1.05**
Consumer Defensive	5.0	0.85
Healthcare	10.7	0.92
Utilities	5.5	2.06

Operations

Family:	Fidelity Investments	Base Currency:	USD	Purchase Constraints:	—
Manager:	Multiple	Ticker:	FSMDX	Incept:	09-08-2011
Tenure:	13.1 Years	ISIN:	US3161462656	Type:	MF
Objective:	Growth	Minimum Initial Purchase:	$0	Total Assets:	$36,378.80 mil

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MORNINGSTAR®

Fidelity MSCI Real Estate ETF (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Bronze	20.00	★★★	MSCI ACWI NR USD	S&P United States REIT TR USD	US Fund Real Estate
08-31-2024	Data Coverage % 99.00	229 US Fund Real Estate			

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-6.04	-15.41	-11.06	4.24	-26.32
2023	1.70	1.60	-8.60	18.02	11.46
2024	-1.18	-1.97	17.16	—	13.50

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Q Mkt 09-30-24	33.86	2.27	4.49	—	5.53
Q NAV 09-30-24	33.95	2.26	4.51	—	5.54
Mkt Total Ret	33.86	2.27	4.49	—	5.53
NAV Total Ret	33.95	2.26	4.51	—	5.54
+/- Std Index	2.19	-5.82	-7.68	—	—
+/- Cat Index	-0.30	-2.77	-0.98	—	—
% Rank Cat	27	62	54	—	
No. in Cat	238	229	210	—	

	Subsidized	Unsubsidized
30-day SEC Yield	—	—

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-343-3548 or visit www.institutional.fidelity.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

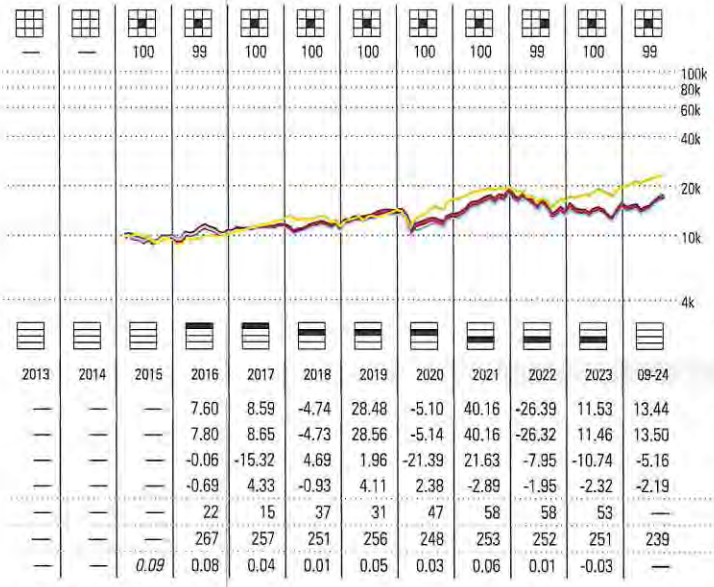
Management Fees %	0.08
Expense Ratio %	0.08
12b1 Expense %	NA

Risk and Return Profile

	3 Yr 229 funds	5 Yr 210 funds	10 Yr *152 funds*
Morningstar Rating™	2★	3★	—
Morningstar Risk	+Avg	Avg	—
Morningstar Return	Avg	Avg	—

	3 Yr	5 Yr	10 Yr
Standard Deviation NAV	22.19	21.30	—
Standard Deviation MKT	22.23	21.33	—
Mean NAV	2.51	4.76	—
Mean MKT	2.51	4.74	—
Sharpe Ratio	0.05	0.21	—

MPT Statistics	Standard Index	Best Fit Index Morningstar US Real Est TR USD
NAV Portfolio is Net of Fees		
Alpha	-5.57	-0.62
Beta	1.20	1.01
R-Squared	78.89	99.85
12-Month Yield		—
Potential Cap Gains Exp		—
Leveraged		No
Leverage Type		—
Leverage %		100.00
Primary Prospectus Benchmark		MSCI US IMI/REAL ESTATE 25-25 GR USD



Investment Style
Equity
Stocks %

Growth of $10,000
- Fidelity MSCI Real Estate ETF 17,476
- Category Average 16,696
- Standard Index 23,504

Performance Quartile (within category)

History	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24
Mkt Total Ret %	—	—	—	7.60	8.59	-4.74	28.48	-5.10	40.16	-26.39	11.53	13.44
NAV Total Ret %	—	—	—	7.80	8.65	-4.73	28.56	-5.14	40.16	-26.32	11.46	13.50
+/- Standard Index	—	—	—	-0.06	-15.32	4.69	1.96	-21.39	21.63	-7.95	-10.74	-5.16
+/- Category Index	—	—	—	-0.69	4.33	-0.93	4.11	2.38	-2.89	-1.95	-2.32	-2.19
% Rank Cat	—	—	—	22	15	37	31	47	58	58	53	—
No. of Funds in Cat	—	—	—	267	257	251	256	248	253	252	251	239
Avg Prem/Discount %	—	—	*0.09*	0.08	0.04	0.01	0.05	0.03	0.06	0.01	-0.03	—

Portfolio Analysis 10-10-2024

Asset Allocation %	Net %	Long %	Short %
Cash	0.17	0.17	0.00
US Stocks	99.46	99.46	0.00
Non-US Stocks	0.00	0.00	0.00
Bonds	0.37	0.37	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

Equity Style

Value	Blend	Growth	
			Large
	■		Mid
			Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	36.6	1.68	1.06
P/C Ratio TTM	18.2	1.38	1.00
P/B Ratio TTM	2.6	0.85	7.14
Geo Avg Mkt Cap $mil	27187	0.17	0.68

Fixed-Income Style

Ltd	Mod	Ext	
			High
			Mid
			Low

Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown —	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	100.0	1.48
Greater Europe	0.0	0.00
Greater Asia	0.0	0.00

Top Holdings 10-03-2024

Share Chg since 10-2024	Share Amount	Holdings : 146 Total Stocks , 1 Total Fixed-Income, 6% Turnover Ratio	Net Assets %
	644,661	Prologis Inc	7.46
	324,993	American Tower Corp	7.03
	66,045	Equinix Inc	5.46
	393,981	Welltower Inc	4.67
	110,014	Public Storage	3.64
	227,362	Simon Property Group Inc	3.57
	600,808	Realty Income Corp	3.50
	220,267	Digital Realty Trust Inc	3.28
	302,297	Crown Castle Inc	3.26
	213,475	CBRE Group Inc Class A	2.49
	147,748	Extra Space Storage Inc	2.44
	204,738	Iron Mountain Inc	2.28
	726,066	VICI Properties Inc Ordinary Shares	2.22
	98,764	AvalonBay Communities Inc	2.05
	284,960	CoStar Group Inc	2.00

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**99.3**	**3.06**
Basic Materials	0.0	0.00
Consumer Cyclical	0.0	0.00
Financial Services	0.0	0.00
Real Estate	99.3	43.84
Sensitive	**0.7**	**0.01**
Communication Services	0.6	0.08
Energy	0.0	0.00
Industrials	0.0	0.00
Technology	0.0	0.00
Defensive	**0.0**	**0.00**
Consumer Defensive	0.0	0.00
Healthcare	0.0	0.00
Utilities	0.0	0.00

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Operations

Family:	Fidelity Investments	Ticker:	FREL	Mkt Price:	29.48
Manager:	Multiple	Incept:	02-02-2015	Base Currency:	USD
Tenure:	9.7 Years	Expiration Date:	—	Legal Structure:	Open Ended Investment Company
Total Assets:	$1,059.5 mil	Exchange:	NYSE ARCA	Backing Bank:	Fidelity Management & Research Company LLC
Shares Outstanding:	36.95 mil	NAV:	29.49		
Type:	ETF	Prem/Discount:	-0.02		

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MORNINGSTAR®

Fidelity Small Cap Index (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Bronze	100.00	★★★	S&P 500 TR USD	Russell 2000 TR USD	US Fund Small Blend
08-31-2024	Data Coverage % 100.00	569 US Fund Small Blend			

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-7.53	-17.23	-2.14	6.19	-20.46
2023	2.75	5.17	-5.14	13.99	16.84
2024	5.13	-3.31	9.21	—	11.01

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	26.54	1.73	9.21	8.67	10.72
Q 09-30-2024	26.54	1.73	9.21	8.67	10.72
+/- Std Index	-9.82	-10.19	-6.77	-4.71	—
+/- Cat Index	-0.23	-0.12	-0.17	-0.11	—
% Rank Cat	31	81	66	47	
No. in Cat	594	569	547	387	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield	—	—

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit www.institutional.fidelity.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

Management Fees %	0.03
12b1 Expense %	NA
Gross Expense Ratio %	**0.03**

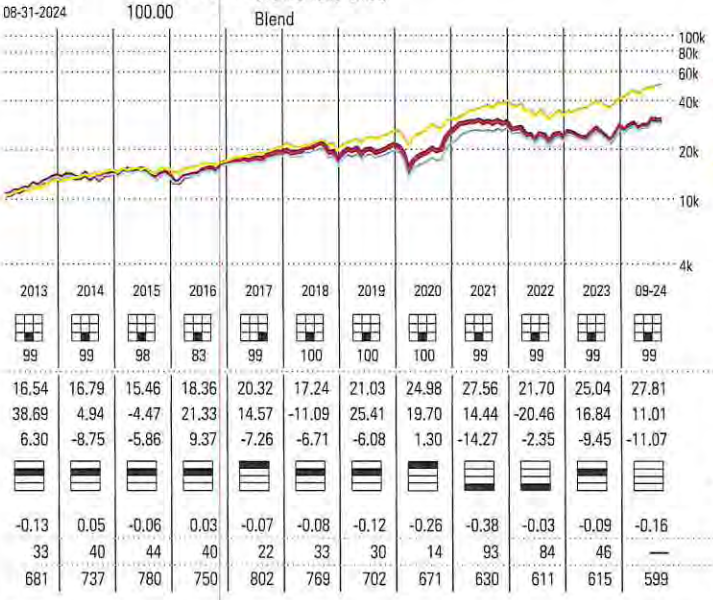
Risk and Return Profile

	3 Yr 569 funds	5 Yr 547 funds	10 Yr 387 funds
Morningstar Rating™	2★	2★	3★
Morningstar Risk	+Avg	+Avg	+Avg
Morningstar Return	-Avg	Avg	Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	22.51	23.96	20.35
Mean	1.97	9.48	8.93
Sharpe Ratio	0.03	0.40	0.44

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Russell 2000 TR USD
Alpha	-9.38	-0.12
Beta	1.08	1.00
R-Squared	70.56	100.00

12-Month Yield	—
Potential Cap Gains Exp	4.74%



Growth of $10,000
- Fidelity Small Cap Index 30,454
- Category Average 29,140
- Standard Index 50,343

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
	99	99	98	83	99	100	100	100	99	99	99	99	
	16.54	16.79	15.46	18.36	20.32	17.24	21.03	24.98	27.56	21.70	25.04	27.81	NAV/Price
	38.69	4.94	-4.47	21.33	14.57	-11.09	25.41	19.70	14.44	-20.46	16.84	11.01	Total Return %
	6.30	-8.75	-5.86	9.37	-7.26	-6.71	-6.08	1.30	-14.27	-2.35	-9.45	-11.07	+/- Standard Index
													Performance Quartile (within category)
	-0.13	0.05	-0.06	0.03	-0.07	-0.08	-0.12	-0.26	-0.38	-0.03	-0.09	-0.16	+/- Category Index
	33	40	44	40	22	33	30	14	93	84	46	—	% Rank Cat
	681	737	780	750	802	769	702	671	630	611	615	599	No. of Funds in Cat

Investment Style
Equity/Stocks %

Portfolio Analysis 07-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	-0.01	0.81	0.82
US Stocks	98.27	98.27	0.00
Non-US Stocks	1.74	1.74	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.82	0.82

Equity Style

Value	Blend	Growth	
			Large
			Mid
	■		Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	16.7	0.61	0.94
P/C Ratio TTM	10.0	0.53	0.86
P/B Ratio TTM	2.0	0.41	0.82
Geo Avg Mkt Cap $mil	2592	0.01	0.44

Fixed-Income Style

Ltd	Mod	Ext	
			High
			Mid
			Low

Avg Eff Maturity	—
Avg Eff Duration	—
Avg Wtd Coupon	—
Avg Wtd Price	—

Credit Quality Breakdown —	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	99.2	1.00
Greater Europe	0.5	0.86
Greater Asia	0.3	6.36

Share Chg since 06-2024	Share Amount	Holdings : 1,986 Total Stocks , 0 Total Fixed-Income, 9% Turnover Ratio	Net Assets %
⊖	2,199	E-mini Russell 2000 Index Future S	0.88
⊖	217 mil	Fidelity Cash Central Fund	0.76
⊕	2 mil	Insmed Inc	0.42
⊕	1 mil	FTAI Aviation Ltd	0.41
⊕	1 mil	Sprouts Farmers Market Inc	0.37
⊕	1 mil	Vaxcyte Inc Ordinary Shares	0.32
⊕	403,474	Applied Industrial Technologies Inc	0.31
⊕	2 mil	Fluor Corp	0.30
⊕	382,861	Fabrinet	0.30
⊕	390,808	SPS Commerce Inc	0.30
⊕	634,808	UFP Industries Inc	0.29
⊕	1 mil	Mueller Industries Inc	0.29
⊕	581,780	Ensign Group Inc	0.29
⊕	798,367	SouthState Corp	0.28
⊕	527,915	Abercrombie & Fitch Co Class A	0.27

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**38.1**	**1.41**
Basic Materials	4.7	2.35
Consumer Cyclical	9.8	0.95
Financial Services	16.4	1.32
Real Estate	7.2	3.09
Sensitive	**38.3**	**0.73**
Communication Services	2.1	0.24
Energy	5.9	1.79
Industrials	15.6	2.06
Technology	14.6	0.44
Defensive	**23.5**	**1.17**
Consumer Defensive	3.5	0.59
Healthcare	17.2	1.48
Utilities	2.8	1.06

Operations

Family:	Fidelity Investments	Base Currency:	USD	Purchase Constraints:	—
Manager:	Multiple	Ticker:	FSSNX	Incept:	09-08-2011
Tenure:	13.1 Years	ISIN:	US3161461823	Type:	MF
Objective:	Small Company	Minimum Initial Purchase:	$0	Total Assets:	$27,450.17 mil

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MORNINGSTAR®

Lord Abbett Bond-Debenture F (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Neutral	55.00	★★★	Bloomberg US Agg	Bloomberg US Universal	US Fund Multisector
08-31-2024	Data Coverage % 100.00	325 US Fund Multisector Bond	Bond TR USD	TR USD	Bond

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-5.99	-7.94	-1.78	2.57	-12.82
2023	1.75	0.08	-1.45	6.32	6.71
2024	1.84	0.90	4.60	—	7.48

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	14.28	0.06	2.43	3.82	5.07
Q 09-30-2024	14.28	0.06	2.43	3.82	5.07
+/- Std Index	2.71	1.45	2.10	1.98	—
+/- Cat Index	2.20	1.11	1.72	1.67	—
% Rank Cat	24	82	54	10	
No. in Cat	358	325	272	189	

	Subsidized	Unsubsidized
7-day Yield 10-11-24	0.06	—
30-day SEC Yield 09-30-24	5.55	5.54

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 888-522-2388 or visit www.lordabbett.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

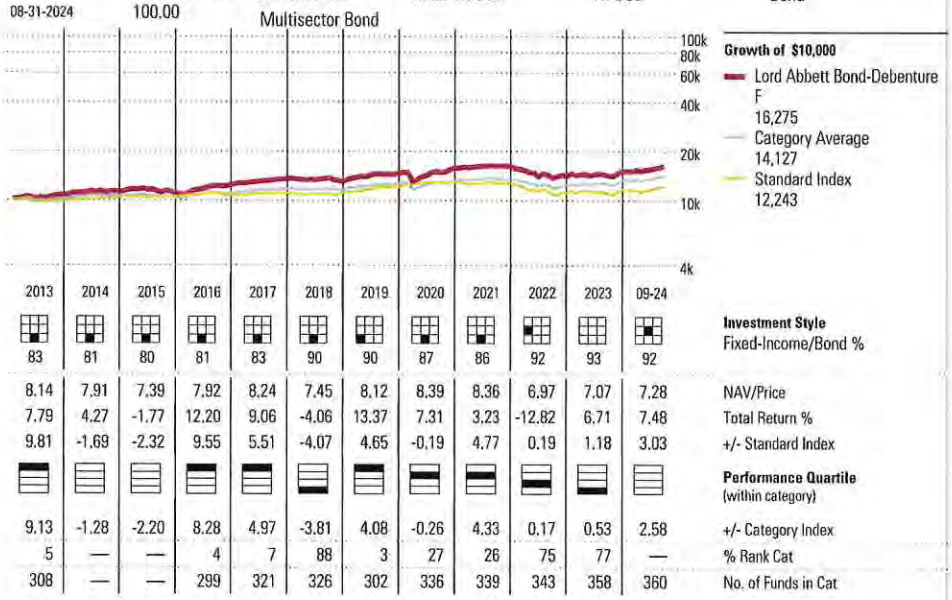
Management Fees %	0.42
12b1 Expense %	0.10
Gross Expense Ratio %	**0.74**

Risk and Return Profile

	3 Yr 325 funds	5 Yr 272 funds	10 Yr 189 funds
Morningstar Rating™	2★	3★	4★
Morningstar Risk	Avg	+Avg	+Avg
Morningstar Return	-Avg	Avg	High

	3 Yr	5 Yr	10 Yr
Standard Deviation	7.15	8.75	7.01
Mean	0.30	2.67	4.07
Sharpe Ratio	-0.47	0.07	0.36

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Morningstar US HY Bd TR USD
Alpha	0.39	-3.23
Beta	0.79	0.79
R-Squared	72.53	92.49
12-Month Yield		5.72%
Potential Cap Gains Exp		-14.04%



2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
83	81	80	81	83	90	90	87	86	92	93	92	Investment Style Fixed-Income/Bond %
8.14	7.91	7.39	7.92	8.24	7.45	8.12	8.39	8.36	6.97	7.07	7.28	NAV/Price
7.79	4.27	-1.77	12.20	9.06	-4.06	13.37	7.31	3.23	-12.82	6.71	7.48	Total Return %
9.81	-1.69	-2.32	9.55	5.51	-4.07	4.65	-0.19	4.77	0.19	1.18	3.03	+/- Standard Index
												Performance Quartile (within category)
9.13	-1.28	-2.20	8.28	4.97	-3.81	4.08	-0.26	4.33	0.17	0.53	2.58	+/- Category Index
5	—	—	4	7	88	3	27	26	75	77	—	% Rank Cat
308	—	—	299	321	326	302	336	339	343	358	360	No. of Funds in Cat

Portfolio Analysis 08-31-2024

Asset Allocation %	Net %	Long %	Short %
Cash	0.99	0.99	0.00
US Stocks	4.22	4.28	0.06
Non-US Stocks	1.01	1.01	0.00
Bonds	92.55	92.56	0.01
Other/Not Clsfd	1.22	1.22	0.00
Total	100.00	100.07	0.07

Equity Style

Value	Blend	Growth	
			Large
		■	Mid
			Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	28.0	—	—
P/C Ratio TTM	15.7	—	—
P/B Ratio TTM	3.7	—	—
Geo Avg Mkt Cap $mil	35152	—	—

Fixed-Income Style

Ltd	Mod	Ext	
			High
	■		Mid
			Low

Avg Eff Maturity	6.12
Avg Eff Duration	4.78
Avg Wtd Coupon	5.84
Avg Wtd Price	98.36

Credit Quality Breakdown 08-31-2024	Bond %
AAA	16.20
AA	2.06
A	5.10
BBB	27.21
BB	26.88
B	17.06
Below B	4.07
NR	1.44

Regional Exposure	Stocks %	Rel Std Index
Americas	88.8	—
Greater Europe	9.6	—
Greater Asia	1.6	—

Top Holdings 07-31-2024

Share Chg since 07-2024	Share Amount	Holdings : 69 Total Stocks , 702 Total Fixed-Income, 263% Turnover Ratio	Net Assets %
	122 mil	AAdvantage Loyalty IP Ltd/ America	0.56
⊖	177 mil	Argentina (Republic Of) 0.75%	0.45
	98 mil	Antero Resources Corporation 5.375%	0.45
	85 mil	DISH Network Corporation 11.75%	0.40
	88 mil	Turkey (Republic of) 5.125%	0.40
	103 mil	Community Health Systems Incorpora	0.40
	80 mil	Dominican Republic 6%	0.37
	77 mil	EMRLD Borrower LP / Emerald Co-Iss	0.37
	83 mil	Crowdstrike Holdings Inc 3%	0.35
	77 mil	Vistra Operations Co LLC 4.375%	0.34
	85 mil	Senegal (Republic of) 6.25%	0.34
	74 mil	Calpine Corporation 4.625%	0.33
	69 mil	Cloud Software Group Inc. 9%	0.32
	71 mil	Cenovus Energy Inc 5.4%	0.32
	79 mil	VMED O2 UK Financing I PLC 4.25%	0.31

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**30.4**	—
Basic Materials	6.0	—
Consumer Cyclical	4.9	—
Financial Services	15.2	—
Real Estate	4.3	—
Sensitive	**34.8**	—
Communication Services	6.0	—
Energy	4.7	—
Industrials	15.7	—
Technology	8.4	—
Defensive	**34.8**	—
Consumer Defensive	3.9	—
Healthcare	23.9	—
Utilities	6.9	—

Operations

Family:	Lord Abbett	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	LBDFX	Incept:	09-28-2007
Tenure:	10.8 Years	ISIN:	US5440046093	Type:	MF
Objective:	Corporate Bond - High Yield	Minimum Initial Purchase:	$0	Total Assets:	$22,043.82 mil

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PGIM Total Return Bond Z (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Silver	100.00	★★★★	Bloomberg US Agg Bond TR USD	Bloomberg US Universal TR USD	US Fund Intermediate Core-Plus Bond
03-25-2024	Data Coverage % 100.00	546 US Fund Intermediate Core-Plus Bond			

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-6.60	-6.73	-4.67	2.22	-15.11
2023	3.09	-0.17	-2.61	7.17	7.41
2024	0.05	0.38	5.04	—	5.49

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	13.05	-1.21	0.47	2.37	4.69
Q 09-30-2024	13.05	-1.21	0.47	2.37	4.69
+/- Std Index	1.49	0.18	0.14	0.53	—
+/- Cat Index	0.98	-0.16	-0.23	0.22	—
% Rank Cat	20	40	53	18	
No. in Cat	606	546	505	357	

	Subsidized	Unsubsidized
7-day Yield 10-11-24	5.24 [1]	—
30-day SEC Yield 09-30-24	5.03 [1]	5.02

1. Contractual waiver; Expires 02-28-2025

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-225-1852 or visit www.prudentialfunds.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

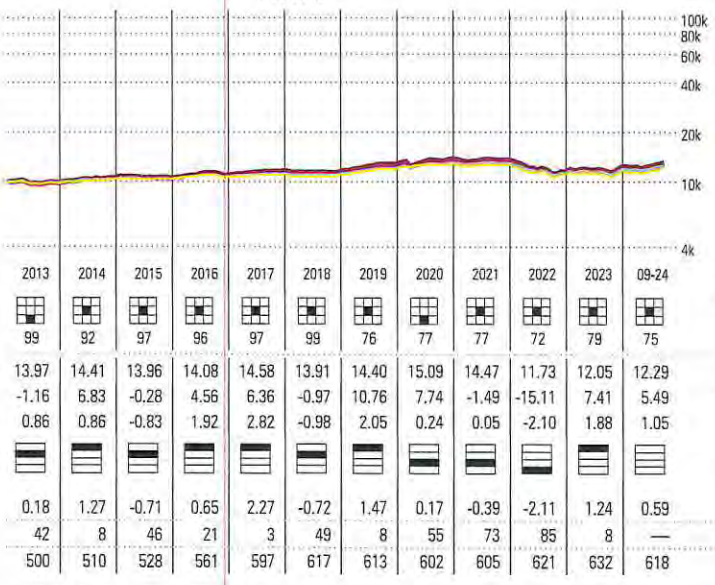
Management Fees %	0.39
12b1 Expense %	NA
Gross Expense Ratio %	**0.51**

Risk and Return Profile

	3 Yr 546 funds	5 Yr 505 funds	10 Yr 357 funds
Morningstar Rating™	3★	3★	4★
Morningstar Risk	Avg	+Avg	High
Morningstar Return	Avg	Avg	+Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	7.92	7.49	5.84
Mean	-0.98	0.71	2.62
Sharpe Ratio	-0.58	-0.20	0.18

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Bloomberg US Universal TR USD
Alpha	0.30	0.07
Beta	1.02	1.04
R-Squared	97.47	98.72
12-Month Yield		4.65%
Potential Cap Gains Exp		-30.04%

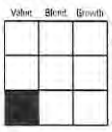


	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	09-24	
Investment Style	99	92	97	96	97	99	76	77	77	72	79	75	Fixed-Income/Bond %
	13.97	14.41	13.96	14.08	14.58	13.91	14.40	15.09	14.47	11.73	12.05	12.29	NAV/Price
	-1.16	6.83	-0.28	4.56	6.36	-0.97	10.76	7.74	-1.49	-15.11	7.41	5.49	Total Return %
	0.86	0.86	-0.83	1.92	2.82	-0.98	2.05	0.24	0.05	-2.10	1.88	1.05	+/- Standard Index
Performance Quartile (within category)													
	0.18	1.27	-0.71	0.65	2.27	-0.72	1.47	0.17	-0.39	-2.11	1.24	0.59	+/- Category Index
	42	8	46	21	3	49	8	55	73	85	8	—	% Rank Cat
	500	510	528	561	597	617	613	602	605	621	632	618	No. of Funds in Cat

Portfolio Analysis 08-31-2024

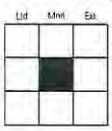
Asset Allocation %	Net %	Long %	Short %
Cash	3.59	30.34	26.75
US Stocks	0.12	0.12	0.00
Non-US Stocks	0.00	0.00	0.00
Bonds	94.55	95.48	0.93
Other/Not Clsfd	1.74	1.75	0.01
Total	100.00	127.69	27.69

Equity Style



Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	24.6	—	—
P/C Ratio TTM	5.9	—	—
P/B Ratio TTM	0.9	—	—
Geo Avg Mkt Cap $mil	9779	—	—

Fixed-Income Style



Avg Eff Maturity	7.77
Avg Eff Duration	5.92
Avg Wtd Coupon	4.62
Avg Wtd Price	94.73

Credit Quality Breakdown 08-31-2024

	Bond %
AAA	56.74
AA	6.80
A	9.78
BBB	15.02
BB	5.71
B	2.33
Below B	0.99
NR	2.63

Regional Exposure	Stocks %	Rel Std Index
Americas	100.0	—
Greater Europe	0.0	—
Greater Asia	0.0	—

Share Chg since 07-2024	Share Amount	Holdings : 6 Total Stocks , 2,325 Total Fixed-Income, 310% Turnover Ratio	Net Assets %
⊕	2,136 mil	Prudential Govt Money Mkt Fd	4.46
⊕	643 mil	United States Treasury Bonds 2.25%	1.02
⊖	392 mil	Federal National Mortgage Associat	0.73
⊖	344 mil	Federal Home Loan Mortgage Corp. 5	0.72
⊖	517 mil	United States Treasury Bonds 1.375%	0.72
⊖	357 mil	Federal Home Loan Mortgage Corp.	0.61
	383 mil	United States Treasury Bonds 1.75%	0.56
⊖	283 mil	Federal Home Loan Mortgage Corp. 3%	0.53
✲	438 mil	United States Treasury Bonds 1.625%	0.53
⊖	192 mil	Greece (Republic Of) 5.2%	0.50
	267 mil	Bank of America Corp. 2.687%	0.49
⊖	216 mil	Federal Home Loan Mortgage Corp. 3	0.42
	220 mil	Bank of America Corp. 2.496%	0.41
⊖	211 mil	Government National Mortgage Assoc	0.41
⊕	182 mil	United States Treasury Bonds 4.75%	0.40

Sector Weightings	Stocks %	Rel Std Index
Cyclical	**0.0**	—
Basic Materials	0.0	—
Consumer Cyclical	0.0	—
Financial Services	0.0	—
Real Estate	0.0	—
Sensitive	**100.0**	—
Communication Services	0.0	—
Energy	100.0	—
Industrials	0.0	—
Technology	0.0	—
Defensive	**0.0**	—
Consumer Defensive	0.0	—
Healthcare	0.0	—
Utilities	0.0	—

Operations

Family:	PGIM Investments	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	PDBZX	Incept:	09-16-1996
Tenure:	22.0 Years	ISIN:	US74440B4059	Type:	MF
Objective:	Multisector Bond	Minimum Initial Purchase:	$0	Total Assets:	$49,420.46 mil

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PIMCO Income Instl (USD)

Morningstar Medalist Rating™	Analyst-Driven %	Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
Gold	100.00	★★★★★	Bloomberg US Agg Bond TR USD	Bloomberg US Universal TR USD	US Fund Multisector Bond
05-09-2024	Data Coverage % 100.00	325 US Fund Multisector Bond			

Performance 09-30-2024

Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2022	-4.26	-5.24	-1.92	3.35	-8.03
2023	2.50	1.14	-0.60	5.83	9.06
2024	1.32	0.38	4.49	—	6.26

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Monthly	12.46	2.19	3.36	4.11	6.61
Q 09-30-2024	12.46	2.19	3.36	4.11	6.61
+/- Std Index	0.89	3.57	3.03	2.27	—
+/- Cat Index	0.38	3.24	2.66	1.96	—
% Rank Cat	51	23	21	3	
No. in Cat	358	325	272	189	

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield 09-30-24	5.04	5.04

Performance Disclosure

The security-level performance data shown is net of asset-based fees.

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 888-877-4626 or visit www.pimco.com.

Fees and Expenses

Asset-Based Fees

Annual Fee %	**0.24**

Fund Expenses

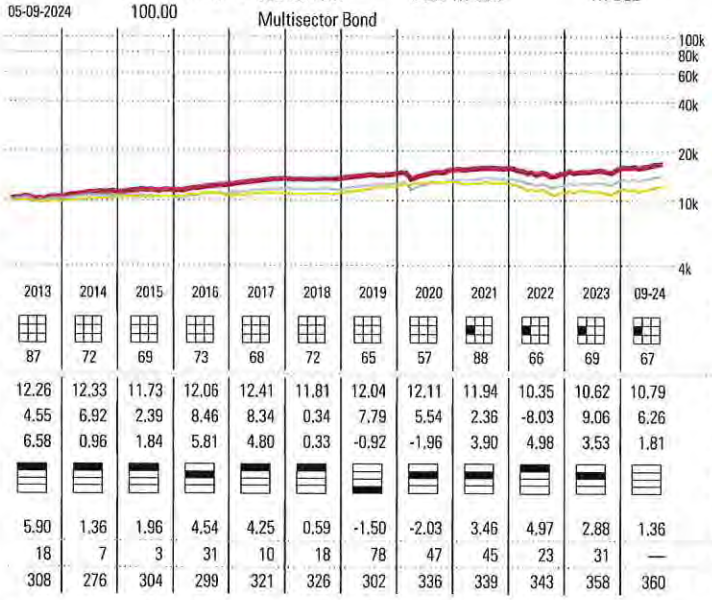
Management Fees %	0.50
12b1 Expense %	NA
Gross Expense Ratio %	**0.83**

Risk and Return Profile

	3 Yr 325 funds	5 Yr 272 funds	10 Yr 189 funds
Morningstar Rating™	4★	4★	5★
Morningstar Risk	Avg	Avg	-Avg
Morningstar Return	+Avg	+Avg	High

	3 Yr	5 Yr	10 Yr
Standard Deviation	6.61	6.68	4.97
Mean	2.43	3.61	4.36
Sharpe Ratio	-0.19	0.20	0.54

MPT Statistics Portfolio is Net of Fees	Standard Index	Best Fit Index Morningstar Con Tgt Risk TR USD
Alpha	2.42	0.74
Beta	0.78	0.72
R-Squared	82.72	91.91
12-Month Yield		6.12%
Potential Cap Gains Exp		-10.65%



Growth of $10,000

- PIMCO Income Instl 16,748
- Category Average 14,127
- Standard Index 12,243

Investment Style
Fixed-Income/Bond %

Performance Quartile (within category)

NAV/Price
Total Return %
+/- Standard Index
+/- Category Index
% Rank Cat
No. of Funds in Cat

Portfolio Analysis 06-30-2024

Asset Allocation %	Net %	Long %	Short %
Cash	-55.10	130.44	185.53
US Stocks	0.61	0.61	0.00
Non-US Stocks	0.33	0.33	0.00
Bonds	154.53	263.07	108.53
Other/Not Clsfd	-0.37	0.06	0.43
Total	100.00	394.50	294.50

Equity Style

Value	Blend	Growth	
			Large
			Mid
■			Small

Portfolio Statistics	Port Avg	Rel Index	Rel Cat
P/E Ratio TTM	—	—	—
P/C Ratio TTM	—	—	—
P/B Ratio TTM	—	—	—
Geo Avg Mkt Cap $mil	—	—	—

Fixed-Income Style

Ltd	Mod	Ext	
			High
■			Med
			Low

Avg Eff Maturity	5.48
Avg Eff Duration	4.22
Avg Wtd Coupon	4.99
Avg Wtd Price	95.14

Credit Quality Breakdown 06-30-2024

	Bond %
AAA	64.80
AA	5.56
A	4.10
BBB	11.30
BB	3.96
B	4.18
Below B	6.10
NR	0.00

Regional Exposure	Stocks %	Rel Std Index
Americas	65.0	—
Greater Europe	35.0	—
Greater Asia	0.0	—

Share Chg since 03-2024	Share Amount	Holdings : 21 Total Stocks , 6,199 Total Fixed-Income, 588% Turnover Ratio	Net Assets %
☼	99,077	5 Year Treasury Note Future Sept 24	6.85
⊖	61,239	US Treasury Bond Future Sept 24	-4.68
⊖	662 mil	Pimco Fds	4.18
☼	14,032	2 Year Treasury Note Future Sept 24	1.86
☼	2,225 mil	United States Treasury Notes 4.5%	1.44
☼	2,204 mil	United States Treasury Notes 4.5%	1.42
☼	1,830 mil	Galibier 24-1	1.28
⊖	15,493	Ultra US Treasury Bond Future Sept	-1.25
⊕	1,733 mil	United States Treasury Notes 0.125%	1.11
☼	14,613	Ultra 10 Year US Treasury Note Fut	1.07
⊕	1,535 mil	United States Treasury Notes 0.25%	0.92
⊕	1,486 mil	United States Treasury Notes 1.375%	0.91
⊕	1,416 mil	United States Treasury Notes 0.25%	0.90
⊕	1,469 mil	United States Treasury Notes 0.125%	0.85
⊖	953 mil	Durham Mortgages A PLC 6.01229%	0.78

Sector Weightings	Stocks %	Rel Std Index
Cyclical	—	—
Basic Materials	—	—
Consumer Cyclical	—	—
Financial Services	—	—
Real Estate	—	—
Sensitive	—	—
Communication Services	—	—
Energy	—	—
Industrials	—	—
Technology	—	—
Defensive	—	—
Consumer Defensive	—	—
Healthcare	—	—
Utilities	—	—

Operations

Family:	PIMCO	Base Currency:	USD	Purchase Constraints:	A
Manager:	Multiple	Ticker:	PIMIX	Incept:	03-30-2007
Tenure:	17.6 Years	ISIN:	US72201F4900	Type:	MF
Objective:	Multisector Bond	Minimum Initial Purchase:	$1 mil	Total Assets:	$167,236.63 mil

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Portfolio X-Ray Report Disclosure Statement

This report summarizes the composition characteristics of a portfolio of securities. It considers broad asset allocation and regional exposure, security style, and sector exposure to provide a variety of ways for considering the level of diversification within a portfolio, its potential riskiness, and its possible behavior in the future. Diversification is an investment method used to help manage risk; it does not ensure a profit or protect against a loss.

Data for this analysis is collected in several ways. For example, equity data for funds is based upon Morningstar's analysis of the holdings, which are provided periodically by the fund to Morningstar. For fixed-income securities included in these products, duration and other data is provided by the fund company. For separate accounts, data for the account composite reflecting the average investor's experience is provided directly by the manager. For models, data is provided by the manager. Stock data is based upon Morningstar analysis.

All data presented in this report is based on the most recent information available to Morningstar as of the release date of the report and may or may not be an accurate reflection of current data for the portfolio or its underlying holdings. There is no assurance that the data will remain the same.

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Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and exchange-traded funds as separate groups. Each group contained a subset of the current investments included in our current comparative analysis. In this report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology.

Most Morningstar rankings do not include any adjustment for one-time sales charges, or loads. Morningstar does publish load-adjusted returns, and ranks such returns within a Morningstar Category in certain reports. The total returns for ETFs and fund share classes without one-time loads are equal to Morningstar's calculation of load-adjusted returns. Share classes that are subject to one-time loads relating to advice or sales commissions have their returns adjusted as part of the load-adjusted return calculation to reflect those loads.

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You should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions.

Types of Performance Returns

The following further describes the criteria, methodology, assumptions, risk and limitations used in calculating various types of investment performance returns

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that may be presented in this report. It may be inappropriate to compare the different types of investment performance returns and you should consult with your financial professional to discuss these differences.

After-Tax Returns: In the Standardized and Tax-Adjusted Returns section, Morningstar calculates after-tax returns for individual securities using the highest applicable federal marginal income tax rate plus the investment income tax and Medicare surcharge. As of 2018, this rate is 37% plus 3.8% investment income plus 0.9% Medicare surcharge, or 41.7%. This rate changes periodically in accordance with changes in federal law.

Benchmark Returns: Returns for user-created custom benchmarks are calculated by applying weightings supplied by your financial professional to each benchmark's returns every month. Custom benchmarks are rebalanced monthly. Returns for custom benchmarks created by the Auto Benchmark feature uses the portfolio's characteristics to assign a benchmark or blend of benchmarks and appropriate weights for each based on Asset Allocation or Category. Auto Benchmark created benchmarks are rebalanced monthly.

Standardized Returns: Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experience if the security was purchased at the beginning of the period and sold at the end, incurring transaction charges. If applicable, the advisory fee input by your financial professional is not applied to standardized returns.

For mutual funds, standardized return is total return adjusted for sales charges, and reflects all ongoing fund expenses. Standardized returns for each portfolio holding are shown in this report.

For money-market mutual funds, standardized return is total return adjusted for sales charges and reflects all ongoing fund expenses. Current 7-day yield more closely reflects the current earnings of the money-market fund than the total return quotation.

For Variable Annuity subaccounts, standardized return is total return based on the inception date within the separate account and is adjusted to reflect recurring and non- recurring charges such as surrender fees, contract charges, maximum front-end load, maximum deferred load, maximum M&E risk charge, administration fees and actual ongoing fund-level expenses.

For ETFs, the standardized returns reflect performance, both at market price and NAV price, without adjusting for the effects of taxation or brokerage commissions. These returns are adjusted to reflect all ongoing ETF expenses and assume reinvestment of dividends and capital gains. If adjusted, the effects of taxation would reduce the performance quoted.

The charges and expenses used in the standardized returns are obtained from the most recent prospectus and/or shareholder report available to Morningstar. For mutual funds and VAs, all dividends and capital gains are assumed to be reinvested. For stocks, stock acquired via divestitures is assumed to be liquidated and reinvested in the original holding.

Data Definitions

7-day Yield

The 7-day yield is a measure of performance in the interest rates of money market funds.

Asset Allocation

Asset Allocation reflects asset class weightings of the portfolio. The Other category includes security types that are not neatly classified in the other asset classes, such as convertible bonds and preferred stocks, or cannot be classified by Morningstar as a result of missing data. Morningstar may display asset allocation data in several ways, including tables or pie charts. In addition, Morningstar may compare the asset class breakdown of the portfolio against its three-year average, category average, and/or index proxy.

Asset allocations shown in tables may include a breakdown among the long, short, and net (long positions net of short) positions. These statistics summarize what the portfolio managers are buying and how they are positioning the portfolio. When short positions are captured in these portfolio statistics, investors get a more robust description of the portfolio exposure and risk. Long positions involve buying the security outright and selling it later, with the hope the security price rises over time. Short positions are taken with the hope of benefitting from anticipated price declines. The investor borrows the security from another investor, sells it and receives cash, and then is obligated to buy it back at some point in the future. If the price falls after the short sale, the investor will have sold high and can buy low to close the short position and lock in a profit. However, if the price of the security increases after the short sale, the investor will experience a loss buying it at a higher price than the sale price.

Most portfolios hold fairly conventional securities, such as long positions in equities and bonds. Morningstar may generate a colored pie chart for these portfolios. Other portfolios use other investment strategies or securities, such as short positions or derivatives, in an attempt to reduce transaction costs, enhance returns, or reduce risk. Some of these securities and strategies behave like conventional securities, while other have unique return and risk characteristics. Portfolios that incorporate investment strategies resulting in short positions or portfolio with relatively exotic derivative positions often report data to Morningstar that does not meet the parameters of the calculation underlying a pie chart generation. Because of the nature of how these securities are reported to Morningstar, we may not always get complete portfolio information to report asset allocation. Morningstar, at its discretion, may determine if unidentified characteristics of portfolio holdings are material.

Asset allocation and other breakdowns may be rescaled accordingly so that percentages total to 100 percent. (Morningstar used discretion to determine if unidentified characteristics of portfolio holdings are material, pie charts and other breakdowns may rescale identified characteristics to 100% for moreintuitive presentation.).

Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the portfolio only.

Average Effective Duration

Average Effective Duration is a weighted average of the effective durations of fixed income and certain derivative holdings. The portfolio average is computed by weighting each holding effective duration by the market value of the holding (notional value for derivatives) and then averaging by the sum of holding values. Effective duration is a measure of price elasticity relative to change in yield which accounts for the impact of redemption options on return of principal. It is expressed as a factor which represents the percentage change in value that is expected for a specific unit change in yield.

Average Effective Maturity

Average Effective Maturity is a weighted average of the length of time, measured in years, until return of principal can be reasonably expected for debt securities, and is computed by weighting each holding effective maturity term by the market value of the holding and then averaging by the sum of holding values. The effective maturity may be the nominal maturity date, the next put date, the average life of a sinking fund, the weighted average life of an

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amortizing prepayment, or a proxy maturity date for perpetual securities. NOTE: Effective Maturity is measured only for holdings which have a principal value or reference a security with a principal value and exclude many derivatives.

Average Market Capitalization
Average Market Capitalization is a measure of the size of the companies in which a portfolio invests.

Back Load %
The back-end sales charge or deferred load is imposed when an investor redeems shares of a fund. The percentage of the load charged generally declines the longer the fund shares are held by the investor. This charge, coupled with 12b-1 fees, commonly serves as an alternative to a traditional front-end load.

Credit Quality Breakdown
Displays the weighted distribution of holdings by credit rating symbol categories. The percentage for each rating category is computed by weighting each holding's credit rating by the market value of the holding and then averaging by the sum of holding values. For holdings that have more than one credit rating the ratings will be combined and an average rating for the holding will be computed. The distribution is based upon available credit ratings from recognized credit rating agencies such as a Nationally Recognized Statistical Rating Organization (NRSRO) in the U.S. (For a list of all NRSROs, please visit https://www.sec.gov/ocr/ocr-current-nrsros.html.) The categories are based on the rating scale produced by Morningstar Credit Ratings, LLC and range from AAA, indicating the highest level of credit quality, to D, indicating a security which has defaulted on its payment obligations. Holdings for which no credit rating is available are assigned to a "Not Rated', or "NR" category. Morningstar calculates Long, Short, and Net values.

Expense Ratio %
The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Front-end Load %
The initial sales charge or front-end load is a deduction made from each investment in a fund and is generally based on the amount of the investment.

Maturity Breakdown
Maturity is the date a loan, bond or debenture comes due and is to be paid off. The Maturity Breakdown shows the percentage of a fund's fixed income holdings that are due in specific ranges.

Maximum Redemption Fee %
The Maximum Redemption Fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase (for example, 30, 180, or 365 days).

Morningstar Style Box
The Morningstar Style Box reveals a portfolio investment strategy as of the date noted on this report.

For equity portfolios, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened square in the style box indicates the weighted average style of the portfolio.

For portfolios holding fixed-income investments, a Fixed Income Style Box is calculated. The vertical axis shows the credit quality based on credit ratings and the horizontal axis shows interest-rate sensitivity as measured by effective duration. There are three credit categories - "High", "Medium", and "Low - and there are three interest rate sensitivity categories - "Limited", "Moderate", and "Extensive" - resulting in nine possible combinations. As in the equity Style Box the combination of credit and interest rate sensitivity for a portfolio is represented by a darkened cell in the matrix.

Morningstar uses credit rating information from credit rating agencies (CRA's) that have been designated Nationally Recognized Statistical Rating Organizations (NRSRO's) by the Securities and Exchange Commission (SEC) in the United States. For a list of all NRSROs, please visit https://www.sec.gov/ocr/ocr-learn-nrsros.html. Additionally, Morningstar will use credit ratings from CRA's which have been recognized by foreign regulatory institutions that are deemed the equivalent of the NRSRO designation.

To determine the rating applicable to a holding and the subsequent holding weighted value of a portfolio two methods may be employed. First is a common methodology approach where if a case exists such that two rating organizations/ agencies have rated a holding, the lower rating of the two should be applied; if three or more CRA's have rated a holding, the median rating should be applied, and in cases where there are more than two ratings and a median rating cannot be determined, the lower of the two middle ratings should be applied. Alternatively, if there is more than one rating available an average can be calculated from all and applied. Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. Credit ratings for any security held in a portfolio may change over time.

Morningstar uses the credit rating information to calculate a weighted-average credit quality value for the portfolio. This value is based only upon those holdings which are considered to be classified as "fixed income", such as government, corporate, or securitized issues. Other types of holdings such as equities and many, though not all, types of derivatives are excluded. The weighted-average credit quality value is represented by a rating symbol which corresponds to the long-term rating symbol schemas employed by most CRA's. Note that this value is not explicitly published but instead serves as an input in the Morningstar Style Box calculation. This symbol is then used to map to a Style Box credit quality category of "low," "medium," or "high". Funds with a "low" credit quality category are those whose weighted-average credit quality is determined to be equivalent to the commonly used High Yield classification, meaning a rating below "BBB", portfolios assigned to the "high" credit category have either a "AAA" or "AA+" average credit quality value, while "medium" are those with an average rating of "AA" inclusive to "BBB-". It is expected and intended that the majority of portfolios will be assigned a credit category of "medium".

For assignment to an interest-rate sensitivity category Morningstar uses the average effective duration of the portfolio. From this value there are three distinct methodologies employed to determine assignment to category. Portfolios which are assigned to Morningstar municipal-bond categories employ static breakpoints between categories. These breakpoints are: (i) "Limited" equal to 4.5 years or less; (ii) "Moderate" equal to 4.5 years to less than 7 years, and (iii) "Extensive" equal to more than 7 years. For portfolios assigned to Morningstar categories other than U.S. Taxable, including all domiciled outside the United States, static duration breakpoints are also used. The values differ from the municipal category values: (i) "Limited" equals less than or equal to 3.5 years, (ii) "Moderate" equals greater than 3.5 years but less than or equal to 6 years, (iii) "Extensive" is assigned to portfolios with effective durations of more

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than 6 years. Note: Interest-rate sensitivity for non-U.S. domiciled portfolios (excluding those in Morningstar convertible categories) may be assigned using average modified duration when average effective duration is not available.

For portfolios Morningstar classifies as U.S Taxable Fixed-Income, interest-rate sensitivity category assignment is based on the effective duration of the Morningstar Core Bond Index (MCBI). The classification assignment is dynamically determined relative to the benchmark index value. A "Limited" category will be assigned to portfolios whose average effective duration is between 25% to 75% of MCBI average effective duration, where the average effective duration is between 75% to 125% of the MCBI the portfolio will be classified as "Moderate", and those portfolios with an average effective duration value 125% or greater of the average effective duration of the MCBI will be classified as "Extensive".

Portfolio Holdings
This section indicates the underlying holdings in the portfolio. It identifies the percentage of assets that each holding represents in the portfolio, the security type, and the market value.

Price/Book Ratio
The Price/Book Ratio (or P/B Ratio) is the weighted average of the P/B Ratio of the stocks in the portfolio. Book value is the total assets of a company, less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

Price/Cash Flow Ratio
The Price/Cash Flow Ratio (or P/C Ratio) is the weighted average of the P/C Ratio of the stocks in the portfolio. The P/C Ratio of a stock represents the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

Price/Earnings Ratio
The Price/Earnings Ratio (or P/E Ratio) is the weighted average of the P/E Ratios of the stocks in the portfolio. The P/E Ratio of a stock is the stock current price divided by the company trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such stocks have an overlooked or undervalued potential for appreciation.

Price/Sales Ratio
The Price/Sales Ratio (or P/S Ratio) is the weighted average of the price/sales ratios of the stocks in its portfolio. Price/ sales represents the amount an investor is willing to pay for a dollar of revenue generated from a particular company's operations.

Sector Weightings %
Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector generally have betas that are close to 1.

Fixed-income Super Sectors represent Morningstar's broadest classification of fixed-income sectors. Securities held in domestic taxable-bond portfolios are mapped into one of 14 fixed-income sectors, which in turn, roll up to five super sectors. The Government Super Sector includes all conventional debt issued by governments, bonds issued by a Central Bank or Treasury, and bonds issued by local governments, cantons, regions, and provinces. The Municipal Super Sector includes taxable and tax-exempt debt obligations issued under the auspices of states, cities, counties, provinces, and other non-federal government entities. The Corporate Super Sector includes bank loans, convertible bonds, conventional debt securities issued by corporations, and preferred stock. The Securitized Super Sector includes all types of mortgage- based securities, covered bonds, and asset-backed securities The Cash &Equivalents Super Sector includes cash in the bank, certificates of deposit, currency, and money market holdings. Cash can also be any fixed-income securities that mature in certain short time frames, commercial paper, and repurchase agreements. The Derivatives Super Sector includes the common types of fixed-income derivative contracts: futures and forwards, options, and swamps. This sector may be displayed as "Other" in certain reports.

Security Types
The following security types may be represented herein: bond (BND), closed-end fund (CE), collective investment trust (CIT), exchange-traded fund (ETF), index (IDX), model (MO), money market mutual fund (MM), open-end mutual fund (MF), separate account (SA), stock (ST), unit investment trust (UIT), and variable annuity/life (VA/L).

Top 10 Net Underlying Holdings
This section indicates the 10 most heavily weighted underlying holdings in the portfolio. It identifies the percentage of assets that each holding represents in the portfolio, the security type, the sector classification, and the country of origin.

World Regions
World regions is a display of the portfolio's assets invested in the regions shown on the report.

Comparison of Fund Types
Funds, including closed-end funds, exchange-traded funds (ETFs), money market funds, open-end funds, and unit investment trusts (UITs), have many similarities, but also many important differences. In general, publicly offered funds are investment companies registered with the Securities and Exchange Commission under the Investment Company Act of 1940, as amended. Funds pool money from their investors and manage it according to an investment strategy or objective, which can vary greatly from fund to fund. Funds have the ability to offer diversification and professional management, but also involve risk, including the loss of principal.

Closed-End Funds:A closed-end fund is an investment company, which typically makes one public offering of a fixed number of shares. Thereafter, shares are traded on a secondary market. As a result, the secondary market price may be higher or lower than the closed-end fund's net asset value (NAV). If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. A closed-end mutual fund's expense ratio is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. Closed-end funds may also have 12b- 1 fees. Income distributions and capital gains of the closed-end fund are subject to income tax, if held in a taxable account.

Exchange-Traded Funds:An ETF is an investment company that typically has an investment objective of striving to achieve a similar return as a particular market index. The ETF will invest in either all or a representative sample of the

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securities included in the index it is seeking to imitate. Like closed-end funds, an ETF can be traded on a secondary market and thus have a market price higher or lower than its net asset value. If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. ETFs are not actively managed, so their value may be affected by a general decline in the U.S. market segments relating to their underlying indexes. Similarly, an imperfect match between an ETF's holdings and those of its underlying index may cause its performance to vary from that of its underlying index. The expense ratio of an ETF is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. ETFs do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable account are subject to income tax. In many, but not all cases, ETFs are generally considered to be more tax-efficient when compared to similarly invested mutual funds.

Money Market Funds:A money-market fund is an investment company that invests in commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit and other highly liquid securities, and pays money market rates of interest. Money markets are not FDIC-insured, may lose money, and are not guaranteed by a bank or other financial institution.

Open-End Funds: An open-end fund is an investment company that issues shares on a continuous basis. Shares can be purchased from the open-end mutual fund itself, or through an intermediary, but cannot be traded on a secondary market, such as the New York Stock Exchange. Investors pay the open-end mutual fund's current net asset value plus any initial sales loads. Net asset value is calculated daily, at the close of business. Open-end mutual fund shares can be redeemed, or sold back to the fund or intermediary, at their current net asset value minus any deferred sales loads or redemption fees. The expense ratio for an open-end mutual fund is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. Open-end funds may also have 12b-1 fees. Income distributions and capital gains of the open-end fund are subject to income tax, if held in a taxable account.

Unit Investment Trusts: A unit investment trust (UIT) is an investment company organized under a trust agreement between a sponsor and trustee. UITs typically purchase a fixed portfolio of securities and then sell units in the trust to investors. The major difference between a UIT and a mutual fund is that a mutual fund is actively managed, while a UIT is not. On a periodic basis, UITs usually distribute to the unit holder their pro rata share of the trust's net investment income and net realized capital gains, if any. If the trust is one that invests only in tax-free securities, then the income from the trust is also tax-free. UITs generally make one public offering of a fixed number of units. However, in some cases, the sponsor will maintain a secondary market that allows existing unit holders to sell their units and for new investors to buy units. A one-time initial sales charge is deducted from an investment made into the trust. UIT investors may also pay creation and development fees, organization costs, and/or trustee and operation expenses. UIT units may be redeemed by the sponsor at their net asset value minus a deferred sales charge and sold to other investors. UITs have set termination dates, at which point the underlying securities are sold and the sales proceeds are paid to the investor. Typically, a UIT investment is rolled over into successive trusts as part of a long-term strategy. A rollover fee may be charged for the exercise of rollover purchases. There are tax consequences associated with rolling over an investment from one trust to the next.

Comparison of Other Investment Types

Variable Annuities: Variable annuities are tax-deferred investments structured to convert a sum of money into a series of payments over time. Variable annuity policies have limitations and are not viewed as short-term liquid investments. An insurance company's fulfillment of a commitment to pay a minimum death benefit, a schedule of payments, a fixed investment account guaranteed by the insurance company, or another form of guarantee depends on the claims-paying ability of the issuing insurance company. Any such guarantee does not affect or apply to the investment return or principal value of the separate account and its subaccount. The financial ratings quoted for an insurance company do not apply to the separate account and its subaccount. The insurance company offering a variable annuity will charge several fees to investors, including annual contract charges that compensate the insurance company for the cost of maintaining and administering the variable annuity contract, mortality and expense risk (M&E Risk) charges based on a percentage of a subaccount's assets to cover costs associated with mortality and expense risk, and administration fees that are based on a percentage of a subaccount's assets to cover the costs involved in offering and administering the subaccount. A variable annuity investor will also be charged a front-end load by the insurance company on their initial contribution, ongoing fees related to the management of the fund, and surrender charges if the investor makes a withdrawal prior to a specified time. If the variable annuity subaccount is invested in a money-market fund, the money market fund is not FDIC-insured, may lose money, and is not guaranteed by a bank or other financial institution.

Variable Life Insurance: Variable life insurance is a cash-value life insurance that has a variable cash value and/or death benefit depending on the investment performance of the subaccount into which premium payments are invested. Unlike traditional life insurance, variable life insurance has inherent risks associated with it, including market volatility, and is not viewed as a short-term liquid investment. For more information on a variable life product, including each subaccount, please read the current prospectus. Please note, the financial ratings noted on the report are quoted for an insurance company and do not apply to the separate account and its subaccount. The insurance company offering a variable life contract will charge several fees to investors, including annual contract charges that compensate the insurance company for the cost of maintaining and administering the variable life contract, mortality and expense risk (M&E Risk) charges based on a percentage of a subaccount's assets to cover costs associated with mortality and expense risk, and administration fees that are based on a percentage of a subaccount's assets to cover the costs involved in offering and administering the subaccount. A variable life investor will also be charged a front-end load by the insurance company on their initial contribution, ongoing fees related to the management of the fund, and surrender charges if the investor makes a withdrawal prior to a specified time. If the variable life subaccount is invested in a money-market fund, the money market fund is not FDIC-insured, may lose money, and is not guaranteed by a bank or other financial institution.

Fixed Annuities: Fixed annuities have a predetermined rate of return an investor earns and a fixed income payout that is guaranteed by the issuing investment company and may be immediate or deferred. Payouts may last for a specific period or for the life of the investor. Investments in a deferred fixed annuity grow tax-deferred with income tax incurred upon withdrawal, and do not depend on the stock market. However, the insurance company's guaranteed rate of return and payments depends on the claims-paying ability of the insurance company. Fixed annuities typically do not have cost-of-living payment adjustments. Fixed annuities often have surrender charges if the event you need to withdraw your investment early. Fixed annuities are regulated by state insurance commissioners.

Fixed Indexed Annuities: Fixed indexed annuities, also called equity index annuities, are a combination of the characteristics of both fixed and variable annuities. Fixed indexed annuities offer a predetermined rate of return like a fixed annuity, but they also allow for participation in the stock market, like a variable annuity. Fixed indexed annuities are typically risker and offer the potential for greater return than fixed annuities, but less so than a variable

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annuity. Investments in a fixed indexed annuity grow tax-deferred with income tax incurred upon withdrawal. The insurance company's guaranteed rate of return and ability to make payments depends on the claims-paying ability of the insurance company. While fixed indexed annuities may limit an investor's gains in an up market, they are also designed to help limit losses in a down market. Fixed indexed annuities can be complicated and an investor in a fixed indexed annuity should carefully read the insurance company's offering material to understand how a specific annuity's return will be determined. Fixed indexed annuities often have surrender charges in the event you need to withdraw your investment early and are regulated by state insurance commissioners.

Stock (Equity): A stock is an ownership interest in a company. When an investor purchases a stock, they become a business owner, and the value of their ownership stake will rise and fall according to the underlying business. Stockholders are entitled to the profits, if any, generated by the company after everyone else – employees, vendors, lenders – get paid. Companies usually pay out their profits to investors in the form of dividends, or they reinvest the money back into the business. Stocks trade on exchanges throughout the day, through a brokerage firm who will charge a commission for the purchase or sale of shares. Income distributions and capital gains of the stock are subject to income tax upon their sale, if held in a taxable account.

Bond (Debt, Fixed Income): A bond is a debt security. When an investor purchases a bond, the purchase amount is lent to a government, municipality, corporation or other entity known as an issuer. The issuer promises to pay a specified rate of interest during the life of the bond and repay the face value of the bond when it matures. U.S Treasuries can be purchased directly from the Treasury or through a brokerage firm. Most other newly issued bonds are offered through an underwriter. Older bonds are traded throughout the day on the secondary market and can be purchased through a brokerage firm, who will charge transaction fees and commission for the purchase or sale. Price evaluations are provided by Interactive Data Corporation (IDC).

Preferred Stock: Preferred stock usually offers a fixed dividend payment, which is paid out before variable dividends that may be paid to investors in a company's common stock. Therefore, preferred stock is typically less risky in terms of principal loss, but there is also less potential for return when compared to a company's common stock. If a company fails, their obligations to preferred stockholders must be met before those of the company's common stockholders, but after bondholders are reimbursed.

Separate Accounts: A separate account is a portfolio of securities (such as stocks, bonds, and cash) that follows a specified investment strategy and is managed by an investment professional (typically referred to as a separate account manager). Separate accounts are unregistered investment vehicles; therefore, they do not have the same performance and holding reporting responsibilities that registered securities have. The securities in a separate account portfolio are directly owned by the separate account's owner. As such, investors in the same separate account may have slightly different portfolio holdings because each investor has customized account needs, tax considerations and security preferences.

Models: A model, as defined by Morningstar, is a portfolio of securities such as mutual funds, ETFs, and cash created by your financial professional (a "Financial Professional-Created Model) or an investment manager such as a broker-dealer, investment adviser, or asset manager (collectively referred to as a model manager) that is distributed through centralized platforms to various types of investors or financial professionals. Models created by model managers do not take into account the investment objectives, financial situation, or particular needs of any specific investor. A model is intended to provide information to assist investors in making their own investment decisions; investors must exercise their own independent judgment as to the suitability of a model and its holdings in light of their own investment objectives, experience, taxation status, and financial position.

The performance of a model or its underlying holdings, or that a model's objective will be achieved, are not guaranteed. An investor using a model can incur a loss. Unless the model manager and an investor enter in an agreement stating otherwise, the model manager is not responsible for an investors decision to invest in accordance with a model, the suitability of the model for a specific investor, or trading decisions, and does not manage or have access to the investor account. Instead, the investor or their financial professional chooses whether and how to implement the model and is ultimately responsible for related investment decisions. If an investor chooses to invest in accordance with a model, the securities in the account are directly owned by the investor. Models are not registered investment vehicles; therefore, they do not have the same performance and holding reporting responsibilities that registered securities have.

Before using a model as an investment template, investors should obtain the disclosure documents and other relevant information about the model manager and the model, including any material conditions, objectives, or strategies used to obtain the performance provided or whether the performance provided does not relate to all potential investors and how this impacts the performance shown. Investors should inquire whether the objective or strategy of the model changed materially during the time period shown in this report, and the effect of those changes. If the model manager offers this same strategy in other forms such as a separate account, a fund, or as a discretionary investment manager, investors should compare the performance shown here to that obtained by the manager's clients.

Collective Investment Trusts: A collective investment trust (CIT) may also be called a commingled or collective fund. CITs are tax-exempt, pooled investment vehicles maintained by a bank or trust company exclusively for qualified plans, including 401(k)s, and certain types of government plans. CITs are unregistered investment vehicles subject to banking regulations of the Office of the Comptroller of the Currency (OCC), which means they are typically less expensive than other investment options due to lower marketing, overhead, and compliance-related costs. CITs are not available to the general public but are managed only for specific retirement plans.

529 Portfolios: A 529 Portfolio is a specific portfolio of securities created from a 529 plan's available investments. In general, the data presented for a 529 Portfolio uses a weighted average of the underlying holdings in the portfolio. Most 529 plans are invested in open-end mutual funds; however, other investment types are possible such as stable value funds, certificates of deposit, and separate accounts.

Before investing, an investor should consider whether the investor's or designated beneficiary's home state offers any state tax or other state benefits such as financial aid, scholarship funds, and protection from creditors that are only available for investments in such state's 529 qualified tuition program.

Offshore Funds: Offshore funds are funds domiciled in a country outside the one the investor resides in. Many banks have offshore subsidiaries that are under the standards and regulations of the particular country, which can vary considerably. Companies may establish headquarters offshore because of lower tax rates. Offshore funds are not regulated by the SEC and may have tax implications.

Hedge Funds: Hedge funds are aggressively managed portfolios which make extensive use of unconventional investment tools such as derivatives as well as long and short positions. Managers of hedge-funds typically focus on specific areas of the market and/or trading strategies. Strategies may include the use of

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arbitrage, derivatives, leverage, and short selling, and may hold concentrated positions or private securities, which can make them risker than other investment types.

Hedge funds are typically pooled investment vehicles available to sophisticated investors that meet high investing minimums. Many hedge funds are unregistered and are not subject to the same regulations as registered investment vehicles, such as mutual funds. Funds of hedge funds are pooled investment vehicles that invest in multiple unregistered hedge funds and may be registered with the SEC. Registered funds of hedge funds typically have lower investment minimums than hedge funds, but they are usually not registered on an exchange and can be illiquid. Fund of hedge fund fees are generally higher than those of other pooled investments (like mutual funds) and may have tax consequences.

Cash: Cash is a short-term, highly liquid investment. Cash typically doesn't earn as much as other investments, such as stocks or bonds, but is less risky.

Benchmark or Indexes: Benchmarks or indexes are unmanaged and not available for direct investment. Indexes are created to measure a specified area of the stock market using a representative portfolio of securities. If a security is not available in Morningstar's database, your financial professional may choose to show a representative index. Please note that indexes vary widely, and it is important to choose an index that has similar characteristics to the security it is being used to represent. In no way should the performance of an index be considered indicative or a guarantee of the future performance of an actual security, be considered indicative of the actual performance achieved by a security or viewed as a substitute for the actual security in your portfolio. Actual results of a security may differ substantially from the historical performance shown for an index and may include an individual client incurring a loss. Past performance is no guarantee of future results. For additional information, see the Benchmark Disclosure in this report.

Morningstar Category: Morningstar assigns each security in its database to a Morningstar Category using the underlying securities in the security's portfolio. If a security is not available in Morningstar's database, your financial professional may choose to show the security's category. Please note that a category will not be an exact match to your securities. In no way should the performance of a category be considered indicative or a guarantee of the future performance of an actual security, be considered indicative of the actual performance achieved by a security or viewed as a substitute for the actual security in your portfolio. Actual results of a security may differ substantially from the historical performance shown for a category and may include an individual client incurring a loss. Past performance is no guarantee of future results.

Structured Products: Structured products are unsecured debt securities of an issuer that are linked to the performance of an underlying asset, such as a security, basket of securities, index, commodity, interest rate, yield, exchange rate, debt issuance, or a foreign currency or a combination of these assets. Structured products are typically the combination of a note (or other corporate bond) and a derivative (such as an option). Structured products include range accruals, trigger notes, dual directionals, barriers, buffers, and income notes.

Structured products are generally designed to be held until maturity and are not intended for short-term trading. Structured products may not be appropriate for investors seeking current income, as they may not pay interest or the interest they pay may vary in amount or timing. It may be possible to lose the entire amount of principal invested in a structured product. Some structured products result in the investor owning the underlying asset at maturity.

Each structured product may differ greatly from another structured product. Some offer full principal protection while others offer limited or no protection. The note portion of the structured product may pay regular interest payments, interest payments that vary according to certain conditions, or may not pay interest at all. Investors should be aware of any attributes related to limits on the upside or downside potential of returns, call options, income, risk reduction strategies, early termination events, tax consequences, and market events that impact the structured product or its underlying asset. Before investing in a structured product, investors should carefully read its offering documents and make sure they fully understand the specific terms and conditions for that product.

Investors should fully understand the underlying assets upon which a structured product is based on and how events that affect the underlying assets, like mergers or rebalances, may affect the structured product. The return on a structured product may not align with its underlying asset. The structured product may not provide a return, and/or the return may be significantly less than what an investor could have received by investing directly in the underlying asset or other security. Underlying assets are subject to market and other risks that may impact the structured product. Structured products are complex and may use advanced trading techniques such as leverage, options, futures, swaps, and other derivatives which lead to additional risks. Investing in a structured product should not be compared to investing in the underlying asset, as the features and risks may differ significantly.

As unsecured debt securities, structured products are not backed by collateral and they are subject to the creditworthiness of the issuer to make interest payments and repay principal. If the issuer of a structured product were to default or go into bankruptcy, an investor may lose some or all of their invested principal. An investor should carefully consider the credit rating, financial condition, and stability of the issuer before investing in a structured product, however, the credit rating of the issuer is not a reflection of the risk of the structured product or its underlying asset.

Structured products may not be listed on a national securities exchange and those that are may be thinly traded. A structured product's issuer may maintain a secondary market but is not required to do so. Even if a secondary market is maintained, an investor may not be able to sell the structured product prior to maturity and is unlikely to receive the full amount invested. An investor should be prepared to hold a structured product until maturity.

As structured products are typically not traded on a national securities exchange and they are linked to an underlying asset, it is difficult to value a structured product.

Structured products may use barriers, caps, participation rates, or other limits that impact their return potential. Certain structured products may not offer any return if a barrier is crossed or certain thresholds are reached. Caps impose maximum return limits, regardless of the return reached by the underlying asset. Participation rates limit the amount of return an investor can realize.

The costs and fees of a structured product are typically included within the product and will vary.

Structured products have an uncertain tax treatment due to limited guidance. The Internal Revenue Service may change how structured products are treated at any time. Investors should consult with a tax financial professional prior to investing in a structured product.

Important Note: In this report, if a structured product is included, it is reflected as a 100% allocation to bonds. No return information, fees or risk, return, or portfolio statistics for a structured product are included in the data shown in this report.

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Fixed Annuity and Fixed Indexed Annuity Holdings Proxy Disclosure

If a proxy is used in this report, the data shown may not be an accurate representation of the data for the actual portfolio and should not be viewed as such. The actual portfolio data may be higher or lower than what is shown in this report, and will vary depending on the actual investments in the portfolio and the allocation of those investments.

When reviewing or recommending a portfolio, your financial professional analyses the investments in the portfolio along with their fees and expenses. Your financial professional may choose to rely on a proxy to estimate this information. If included in this report, the Holding Type will be "PROXY".

For Fixed Annuity or Fixed Indexed Annuity proxies included in this report, the performance of the proxy will be zero (0.00) over all time periods. A portfolio yield will not be calculated and all Risk and Return and MPT Statistics will be shown as zero (0.00). Your financial professional should explain to you how an actual Fixed Annuity or Fixed Indexed Annuity will impact the portfolio shown in this report any other limitations or disclosures that may be material to your decision-making process.

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The proxy used in this report is provided for informational and educational purposes only to help your financial professional illustrate and document a portfolio to you. Morningstar is not responsible for any trading decisions, damages, or other losses resulting from or related to a proxy, assumptions made in choosing a proxy, or the information noted herein. Any security noted is not an offer or solicitation by Morningstar to buy or sell that security.

In no way should the information about a proxy shown within this report be considered indicative or a guarantee of an actual portfolio. Actual results may differ substantially from that shown.

Please note: If a proxy is used in this report, you should not use it as the sole basis for your investment decisions.

Portfolio Snapshot Report Disclosure Statement

All data presented in this report is based on the most recent information available to Morningstar as of the release date of the report and may or may not be an accurate reflection of current data for the portfolio and its underlying holdings. There is no assurance that the data will remain the same.

Unless otherwise specified, the definition of funds used throughout this Disclosure Statement includes closed-end funds, exchange-traded funds, grantor trusts, index mutual funds, open-ended mutual funds, and unit investment trusts. It does not include exchange-traded notes or exchange-traded commodities.

Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and exchange-traded funds as separate groups. Each group contained a subset of the current investments included in our current comparative analysis. In this report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology.

Most Morningstar rankings do not include any adjustment for one-time sales charges, or loads. Morningstar does publish load-adjusted returns, and ranks such returns within a Morningstar Category in certain reports. The total returns for ETFs and fund share classes without one-time loads are equal to Morningstar's calculation of load-adjusted returns. Share classes that are subject to one-time loads relating to advice or sales commissions have their returns adjusted as part of the load-adjusted return calculation to reflect those loads.

General Disclosures

These disclosures provide you (the investor) and your financial professional with important information regarding the key terms, criteria, methodology, assumptions, risks and limitations presented in this report.

There are many resources available to assist you and your financial professional with evaluating a particular investment or investment strategy. This report, alone, should not be used to make an investment decision. Investing involves numerous risks, and there is always the potential of losing money. You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Your financial professional may provide you with investment advisory services, brokerage services or both. Those services and fees differ; therefore, it is important for you to understand the differences. Free and simple tools are available to research firms and financial professionals at the SEC's investor education website, Investor.gov/CRS, which also provides educational materials about investment advisers, broker/dealers, and investing. You should carefully read the information provided by your financial professional that more fully describes the services, fees, costs, and conflicts of interest specific to your financial professional and situation.

The report contains information, data, analyses and opinions that (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by you or your financial professional, and (3) may include, or be derived from, information provided by other third-parties. This report is provided for information purposes only and therefore is not an offer to buy or sell a security, and is not warranted to be correct, complete, or accurate. Morningstar has not reviewed or verified any information input by you or your financial professional, nor can Morningstar guarantee the completeness or accuracy of this data. Except as otherwise provided by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from the use of this report.

The underlying holdings of the portfolio are not federally or FDIC insured and are not deposits or obligations of, or guaranteed by, any financial institution.

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Investment in securities involve investment risks including possible loss of principal and fluctuation in value.

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- In some cases, Morningstar's Scenario Builder tool uses different calculation methodologies than Morningstar's Quick Portfolio tool,
- Investment adviser representatives typically include an annual advisory fee (which may be referred to as an "Annual Fee", "Annual Asset-Based Advisory Fee", or "Advisory Fee" in this report and its disclosures) in net performance calculations, but such fees are generally not applicable to broker/dealer representatives who charge fees based on specific trades;
- Certain Morningstar tools can be used as an "interactive analysis tool" or "investment analysis tool" where you, alone or with the support of your financial professional, use the tool to produce simulations and statistical analyses that present the likelihood of various investment outcomes if certain investments are made or certain investment strategies or styles are undertaken; and/or
- The performance shown in this report could be calculated based on portfolio holdings and allocations entered by you or your financial professional or could be input from Morningstar's Separate Account or Model database, and may take into account various fees and expenses, portfolio changes over time, and other assumptions such as rebalances or subsequent investments/withdrawals; and/or
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Your financial professional can explain how this report was created and which disclosures apply to this report.

This report is supplemental sales literature and therefore must be preceded or accompanied by the investment's current prospectus or equivalent disclosure documents. Please read this information carefully. In all cases, this disclosure statement should accompany this report.

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You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Investment Performance Disclosures

It is important that you understand the risks and limitations of using investment performance returns in making investment decisions. The performance data given represents past performance and should not be considered indicative of future results. Furthermore, fees, expenses, and other costs, including any applicable trading commissions, short-term fees, or taxes, negatively impact investment performance return. The purpose of including such fees and expenses is to illustrate the effect they have on investment returns for the time periods shown. For additional information, please refer to the Fee Schedule (if applicable) and related disclosures contained in this report and those provided by your financial professional.

Gross and Net Performance Returns and Fee Types

Gross performance is calculated before the deduction of all fees and expenses an investor paid in connection with advisory fees, brokerage commissions or other expenses. If included, these fees would reduce the gross performance shown. A "net" return is calculated over the same time period, using the same type of return and calculation methodology as the "gross" return. If your financial professional is an investment adviser representative, the impact of fees and expenses paid in connection with your portfolio's advisory services will be reflected in the "net" return calculation. For other financial professionals, or when no associated advisory fees are input, the "gross" and "net" returns will be the same or they may differ only due to the application of sales loads and other security-level fees and expenses. The purpose of showing net performance is to demonstrate the impact of fees and expenses on performance returns.

For example, if the one-year investment performance return before any fees (referred to as true gross return) was 10% and the portfolio was assessed an annual advisory fee of 1.50% that was deducted quarterly, the fee would reduce the portfolio's one-year performance to approximately 8.36%. Any taxes, expenses, costs and/or other fees not included would decrease the performance further. You should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions. Additional information on the types of fees, time periods, types of returns, and calculation methodologies that may be used in this report is further provided below.

Your financial professional may choose to show two "net" returns, a "Net of Max Fee" return and a "Net of Proposed Fee" return. The "Net of Max Fee" return reflects the maximum advisory fee that your financial professional could charge for the portfolio. The "Net of Proposed Fee" return reflects the advisory fee your financial professional plans to charge. The Proposed Fee will always be equal to or less than the Max Fee.

If this report includes performance from the Morningstar Separate Account or Model databases, the net performance included for the Separate Account or Model could reflect the:

- Net performance data reported by the separate account or model manager to Morningstar's Separate Account or Model database,
- Net performance calculated from the application of the separate account or model manager's reported fee data to their reported gross performance data, or
- Net performance calculated from the application of the advisory fee input in this report by your financial professional or their advisory firm to the separate account or model manager's reported gross performance data.

If this report includes performance from a Financial Professional-Created Model, the net performance is calculated by applying the advisory fee to the historical returns of the investment holdings and allocations, which are input by your financial professional.

Your financial professional can provide you with further information about how net performance was calculated for this report.

You should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions.

You should refer to the disclosure document of the separate account manager, model manager, and/or your financial professional, as applicable, for specific information regarding fees and expenses and

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discuss with your financial professional the methodologies used to calculate the performance returns reflected in this report.

Performance Return Time Periods

Portfolio-level performance returns are presented for, at least, the one-, five, and ten-year periods, unless the life (or inception) of the portfolio is shorter, then the life (or inception) period is substituted for the relevant time period or the portfolio-level performance returns are hypothetical. For additional information on hypothetical performance returns, see disclosures below.

Performance for periods longer than one year is annualized based on the number of years. Performance for periods less than one year is cumulative, based on the number of days between the start and end dates.

Types of Performance Returns

The following further describes the criteria, methodology, assumptions, risk and limitations used in calculating various types of investment performance returns that may be presented in this report. It may be inappropriate to compare the different types of investment performance returns and you should consult with your financial professional to discuss these differences.

After-Tax Returns: In the Standardized and Tax-Adjusted Returns section, Morningstar calculates after-tax returns for individual securities using the highest applicable federal marginal income tax rate plus the investment income tax and Medicare surcharge. As of 2018, this rate is 37% plus 3.8% investment income plus 0.9% Medicare surcharge, or 41.7%. This rate changes periodically in accordance with changes in federal law.

Benchmark Returns: Returns for user-created custom benchmarks are calculated by applying weightings supplied by your financial professional to each benchmark's returns every month. Custom benchmarks are rebalanced monthly. Returns for custom benchmarks created by the Auto Benchmark feature uses the portfolio's characteristics to assign a benchmark or blend of benchmarks and appropriate weights for each based on Asset Allocation or Category. Auto Benchmark created benchmarks are rebalanced monthly.

Extracted Performance: Extracted performance means the performance results of a subset of investments extracted from a portfolio, this includes performance attribution. The performance results of the total portfolio from which the performance was extracted may be obtained by contacting your financial professional.

Financial Professional-Created Model Returns: Performance data for these models are not reported to Morningstar's databases. Instead, hypothetical performance for the model is calculated based on the allocation and investment holdings input by your financial professional, which does not reflect actual trading. Financial professional-created model performance does not reflect the impact that material economic and market factors may have had on your financial professional's decision-making process were actually managing client assets in this financial professional-created model.

The performance and risk information shown for a financial professional-created model will differ from that of an investor account during the same period for a number of reasons including the model and investor having different trading and rebalancing patterns and fees and expenses. In addition, an investor account could have different holdings because each investor has customized account needs, tax considerations and security preferences. Performance of the financial professional-created model may or may not reflect the reinvestment of dividends and capital gains, based on the criteria input by your financial professional. Thus, performance and risk figures for models and investor accounts or even different models may not be fully comparable to each other. Investors should refer to the investment prospectus or equivalent document for a model's underlying securities, applicable disclosure documents of their financial professional, and fee schedules of their account custodian or similar entity for specific information regarding fees and expenses.

Hypothetical Performance Returns: Hypothetical performance is investment performance returns not actually achieved by any portfolio of the financial professional. Hypothetical performance may include, but is not limited to, model performance returns, back-tested performance returns, targeted or projected performance returns, and/or pre-inception returns. Additional information on these types of hypothetical performance is further provided in these disclosures.

Hypothetical performance returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. Hypothetical performance returns are based on historic economic and market assumptions and the investment and planning assumptions selected by you or your financial professional. Actual performance returns will vary. If required under applicable regulation, your financial professional has determined that you have the resources and financial expertise to understand the risks and limitations of using such hypothetical performance returns in making investment decisions.

Hypothetical performance returns do not reflect actual trading and may not reflect the impact that material economic and market factors had on the decision-making process for this portfolio. For example, the ability to withstand losses or adhere to a particular investment strategy in spite of losses are material points which can also adversely affect markets in general or the implementation of any specific investment or investment strategy.

Illustration Returns: The Illustration Returns section uses the Morningstar Internal Rate of Return calculation. Returns in this section are calculated using portfolio holdings and allocations input by your financial professional and applying assumptions input by the financial professional which may include assumptions about initial investments, holding periods, subsequent investments/withdrawals, rebalances, etc. If applicable, the advisory fee input by your financial professional is also applied to the illustration returns.

Morningstar's Model Database Returns: Model managers can report hypothetical performance calculated based on the model's underlying holdings over time to Morningstar's Model database. Model performance does not reflect actual trading and may not reflect the impact that material economic and market factors may have had on the model manager's decision-making process if the model manager was actually managing client assets. Morningstar has informed model managers that back-tested performance, which is created with the benefit of hindsight and does not reflect the impact material economic and market factors may have had on the model manger decision-making process, should not be submitted to the Model database. The method for calculating model returns can vary and Morningstar does not review or verify any reported performance or other information submitted for a model.

The performance and risk information shown for a model will differ from that of an investor account during the same period for a number of reasons including the model and investor having different trading and rebalancing patterns and fees and expenses. In addition, an investor account could have different holdings because each investor has customized account needs, tax considerations and security preferences. Since different model managers may use different methods in constructing or computing performance figures, performance of the model may or may not reflect the reinvestment of dividends and capital gains. Thus, performance and risk figures for models and investor accounts or even different models may not be fully comparable to each other.

Model managers have the option to report gross and net performance to

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Morningstar's Model database on a monthly basis and portfolio data at least quarterly. The investor should refer to the investment prospectus or equivalent document for a model's underlying securities, applicable disclosure documents of the investor's financial professional, and fee schedules of the account custodian or similar entity for specific information regarding fees and expenses.

Morningstar's Separate Account Database Returns: Separate account managers can report performance data as a composite of similarly managed accounts to Morningstar's Separate Account database. Composite performance may differ from the returns realized by a specific account in the composite over the same period for a number of reasons. Likewise, performance and risk information of certain separate account managers may include only composites of larger accounts, which may or may not have more holdings, different diversification, different trading patterns and different performance than smaller accounts with the same strategy. Different managers may use different methods in constructing or computing performance figures and may or may not reflect the reinvestment of dividends and capital gains. Thus, the performance and risk figures for different separate account managers may not be fully comparable to each other. Morningstar does not review or verify any reported performance or other information submitted for a separate account.

When reporting performance data to Morningstar's Separate Account database, the separate account manager has the option to report both gross and net performance. The investor should refer to the investment prospectus (or equivalent document) for the separate account's underlying securities, applicable disclosure documents of the separate account manager and the investor's financial professional, and fee schedules of the account custodian or similar entity for specific information regarding fees and expenses.

Non-Load Adjusted Return: Expressed in percentage terms, Morningstar's calculation of non-load adjusted return is determined by taking the change in a security's net asset value (NAV), assuming the reinvestment of all income (in the form of dividends or interest payments) and capital gains distributions (on the actual reinvestment date used by the fund) during the period, and dividing by the initial NAV. For variable annuity and variable life subaccounts, non-standardized returns illustrate performance that is adjusted to reflect recurring and non-recurring charges such as surrender fees, contract charges, maximum front-end load, maximum deferred load, maximum M&E risk charge, administrative fees and underlying fund-level expenses for various time periods. Returns are not adjusted for sales charges (such as front-end or deferred loads) or redemption fees. Total returns do account for the expense ratio, which includes management, administrative, 12b-1 fees, and other costs that are automatically taken out of fund assets. Non-load adjusted returns for periods longer than one year are expressed in terms of compounded average annual returns (also known as geometric total returns). If adjusted for sales charges, redemption fees, and the effects of taxation, the performance quoted would be reduced. If applicable, the advisory fee input by your financial professional is also applied to the returns.

Predecessor Performance: Predecessor performance means investment performance achieved by a group of investments consisting of an account (or a private fund) that was not advised at all times during the period by the investment adviser reporting the performance. Additional information may be obtained by contacting your financial professional.

Pre-Inception Returns: Pre-inception returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. The analysis in this report may be based, in part, on adjusted historical returns for periods prior to the inception of the share class of the fund shown in this report ("Report Share Class"). If pre-inception returns are shown, a performance stream consisting of the Report Share Class and older share class(es) is created. Morningstar adjusts pre-inception returns downward to reflect higher expenses in the Report Share Class, we and does not hypothetically adjust returns upwards for lower expenses. For more information regarding calculation of pre-inception returns please see the Morningstar Extended Performance Methodology.

When pre-inception data is presented in the report, the header at the top of the report will indicate this. In addition, the pre-inception data included in the report will appear in italics.

While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. For example, the fee structures of a retail share class will vary from that of an institutional share class, as retail shares tend to have higher operating expenses and sales charges. These adjusted historical returns are not actual returns. The underlying investments in the share classes used to calculate the pre-performance string will likely vary from the underlying investments held in the fund after inception. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.

Standardized Returns: Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experience if the security was purchased at the beginning of the period and sold at the end, incurring transaction charges. If applicable, the advisory fee input by your financial professional is not applied to standardized returns.

For mutual funds, standardized return is total return adjusted for sales charges, and reflects all ongoing fund expenses. Standardized returns for each portfolio holding are shown in this report.

For money-market mutual funds, standardized return is total return adjusted for sales charges and reflects all ongoing fund expenses. Current 7-day yield more closely reflects the current earnings of the money-market fund than the total return quotation.

For Variable Annuity subaccounts, standardized return is total return based on the inception date within the separate account and is adjusted to reflect recurring and non- recurring charges such as surrender fees, contract charges, maximum front-end load, maximum deferred load, maximum M&E risk charge, administration fees and actual ongoing fund-level expenses.

For ETFs, the standardized returns reflect performance, both at market price and NAV price, without adjusting for the effects of taxation or brokerage commissions. These returns are adjusted to reflect all ongoing ETF expenses and assume reinvestment of dividends and capital gains. If adjusted, the effects of taxation would reduce the performance quoted.

The charges and expenses used in the standardized returns are obtained from the most recent prospectus and/or shareholder report available to Morningstar. For mutual funds and VAs, all dividends and capital gains are assumed to be reinvested. For stocks, stock acquired via divestitures is assumed to be liquidated and reinvested in the original holding.

Related Performance: Related performance means performance results of one or more related portfolios, either on a portfolio-by-portfolio basis or as a composite aggregation of all portfolios falling within stated criteria. All or some related portfolios, those with substantially similar investment policies,

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objectives, and strategies, may be excluded from the related performance, so long as in doing so the related performance is not materially higher that if all related portfolios had been included in the reported performance returns. For additional information, contact your financial professional.

Calculation Methodologies

Portfolio-level performance returns can be calculated using a Time Weighted Rate of Return or Internal Rate of Return. The Time Weighted and Internal Rate of Return calculations differ. You should speak to your financial professional with any questions regarding this report and the different performance calculation methodologies.

Morningstar Internal Rate of Return:The discount rate at which the present value of the cost of the investment equals the present value of the return of the investment. It helps estimate or evaluate investor- related return as it takes into account the timing and size of initial investment/beginning balance, dividends/capital paid out, subsequent investments/withdrawals, investment ending value, etc. Performance is affected by large additions or withdrawals into the portfolio. In other words, Internal Rate of Return is highly affected by cash flows and is a complex calculation that typically requires the use of computers and calculators, using a trial-and-error technique by applying a base estimation method and an iterative process.

When the Morningstar Internal Rate of Return calculation is used, you or your financial professional input the portfolio's holdings and allocations, plus assumptions about time periods, initial investments, subsequent investments/withdrawals, the reinvestment or payment of distributions, rebalancing activities, transfers, tax rates, fees, and other factors that would have affected portfolio performance. This information is used to calculate final market values and returns. Fees, tax rates, dividends, and capital gains distributions are taken into account as specified by you or your financial professional. If applicable, dividends and capital gains are reinvested on the excluding date in which they are made at the reinvestment date price. This can cause discrepancies between calculated returns and actual investor experience. Portfolios whose returns are calculated using this method were previously known as "Scheduled Portfolios".

The trailing returns for portfolios calculated using the Morningstar Internal Rate of Return calculation commence at the end of the day on the investment start date. All front-load fees are deducted at the start of the day, therefore these fees will not be incorporated within the trailing return time period that matches the whole investment time period. For example, an investor pays $10,000 for security A with a 5% front-load and generates a 5-year Hypothetical Illustration that shows an end value of $12,000. Assuming no cash inflows or outflows aside from the initial investment and end value, the whole investment time period return will be 4.56% (($12,500/ $10,000)^(1/5)-1) while the 5-year trailing return will be 5.65% (($12,500/ $9,500)^(1/5)-1).

Morningstar Time-Weighted Return:Measures the performance (as a percent) of capital at work during each interval between contributions and withdrawals and then linking that performance together to produce a return for a stated period. The Morningstar Time-Weighted Return calculation is designed to eliminate the effect of cash and/ or securities being added to or taken out of a portfolio (that influences the internal rate of return calculation, for example). The more contributions and withdrawals that occur and the longer the time frame, the more complex the time-weighted return calculation can become.

When the Morningstar Time-Weighted Return calculation is used, the current allocations for the portfolio's holdings were used to generate historical performance assuming monthly rebalancing. Taxes, loads, and sales charges and any applicable trading commissions or short-term trading fees are not taken into account. Portfolios whose returns are calculated using this method were previously known as "Unscheduled Portfolios.".

Monthly total returns for portfolios calculated using the Morningstar Time-Weighted Return method are calculated by applying the ending period holding allocations supplied by you or your financial professional to an individual holding's monthly returns. When monthly returns are unavailable for a holding (i.e., due to it not being in existence during the historical period being reported), the remaining portfolio holdings are re-weighted to maintain consistent proportions. (Inception dates for individual securities are listed in the Standardized and Tax Adjusted Returns section of this report.) Trailing returns are calculated by geometrically linking these weighted- average monthly returns. Returns for individual holdings are simple time-weighted trailing returns. Portfolio and holding returns are adjusted for advisory fees, but not for other fees or taxes. If they were, the returns stated would be reduced. The returns stated assume the reinvestment of dividends and capital gains. Fund returns include all ongoing fund expenses. VA/VL returns reflect subaccount level fund expenses, including M&E expenses, administration fees, and actual ongoing fund-level expenses.

Risk and Return Statistics

Risk measures (such as alpha, beta, R-squared, standard deviation, mean, or Sharpe ratio) are calculated for securities or portfolios that have at least a three-year history.

When a portfolio's returns are calculated using the Morningstar Internal Rate of Return method, the monthly returns used to calculate alpha, beta, R- squared, standard deviation, Sharpe ratio and best/worst time-period data also use this method.

When a portfolio's returns are calculated using the Morningstar Time-Weighted Return method, the monthly returns used to calculate alpha, beta, R- squared, standard deviation, Sharpe ratio and best/worst time-period data also use this method.

Interactive Analysis Tool/Investment Analysis Tool Disclosures

The purpose of an interactive analysis tool/investment analysis tool ("IA Tool") is to establish a clear understanding between an investor and a financial professional as to the investment goals and policies applicable to the investor's investment portfolio. If this report was generated from the use of an IA Tool, it was prepared by you (the investor) or in direct consultation between you and your financial professional to establish reasonable objectives and guidelines in the investment of the investor's assets, set forth a target portfolio indicative of the risk levels, allocations and return targets that the investor's assets will typically be invested to achieve. The customized investment strategy and target portfolio allocation illustrated for you are approximate based on individual cash requirements, re-balancing tolerance, economic and market conditions. This has been developed from an evaluation of many key factors which impact the investor's specific situation, risk tolerance and investment objectives. This is only a summary of the investment philosophy that the financial professional may seek to pursue on your behalf.

Use of an IA Tool: If this report was generated from the use of an IA Tool, this report includes simulated analyses including certain limitations and assumptions, that present the likelihood of various outcomes of an investment in the offered strategy. IA Tools alone cannot determine which securities to buy or sell, or which investment strategy to invest in. **IMPORTANT: The projections or other information generated regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results and are not guarantees of future results.** All such analyses, projections and estimates in this presentation were prepared solely by you and/or your financial professional and not by any other person. Please note that results may vary with each use of the tool and over time,

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reflecting any changed circumstances, assumptions or variables upon which the analysis is based.

Also note that the analysis provided by the IA Tool relates only to the investments and investment strategy(ies) presented in this report or shown in the IA Tool, other investments and strategies not considered may have characteristics similar or superior to those being analyzed. Please contact your financial professional if you would like to request alternative analyses using the IA Tool, based on different assumptions and inputs than those described in this report.

Data Definitions

7-day Yield

The 7-day yield is a measure of performance in the interest rates of money market funds.

12 Month Yield %

12 Month Yield % is derived by summing the trailing 12- months' income distributions and dividing the sum by the last month's ending NAV, plus any capital gains distributed over the same period. Income refers only to interest payments from fixed-income securities and dividend payoffs from common stocks.

30-Day SEC Yield

The 30-day SEC Yield is a calculation based on a 30-day period ending on the last day of the previous month. It is computed by dividing the net investment income per share earned during the period by the maximum offering price per share on the last day of the period. The figure listed lags by one month. When a dash appears, the yield available is more than 30 days old. This information is taken from fund surveys.

30-Day Unsubsidized Yield

The 30-day Unsubsidized Yield is computed under a SEC standardized formula based on net income earned over the past 30 days. It excludes contractual expense reimbursements, resulting in a lower yield.

Alpha

Alpha is a measure of the difference between a security or portfolio's actual returns and its expected performance, given its level of risk (as measured by beta.) Alpha is often seen as a measure of the value added or subtracted by a portfolio manager.

Asset Allocation

Asset Allocation reflects asset class weightings of the portfolio. The Other category includes security types that are not neatly classified in the other asset classes, such as convertible bonds and preferred stocks, or cannot be classified by Morningstar as a result of missing data. Morningstar may display asset allocation data in several ways, including tables or pie charts. In addition, Morningstar may compare the asset class breakdown of the portfolio against its three-year average, category average, and/or index proxy.

Asset allocations shown in tables may include a breakdown among the long, short, and net (long positions net of short) positions. These statistics summarize what the portfolio managers are buying and how they are positioning the portfolio. When short positions are captured in these portfolio statistics, investors get a more robust description of the portfolio exposure and risk. Long positions involve buying the security outright and selling it later, with the hope the security price rises over time. Short positions are taken with the hope of benefitting from anticipated price declines. The investor borrows the security from another investor, sells it and receives cash, and then is obligated to buy it back at some point in the future. If the price falls after the short sale, the investor will have sold high and can buy low to close the short position and lock in a profit. However, if the price of the security increases after the short sale, the investor will experience a loss buying it at a higher price than the sale price.

Most portfolios hold fairly conventional securities, such as long positions in equities and bonds. Morningstar may generate a colored pie chart for these portfolios. Other portfolios use other investment strategies or securities, such as short positions or derivatives, in an attempt to reduce transaction costs, enhance returns, or reduce risk. Some of these securities and strategies behave like conventional securities, while other have unique return and risk characteristics. Portfolios that incorporate investment strategies resulting in short positions or portfolio with relatively exotic derivative positions often report data to Morningstar that does not meet the parameters of the calculation underlying a pie chart generation. Because of the nature of how these securities are reported to Morningstar, we may not always get complete portfolio information to report asset allocation. Morningstar, at its discretion, may determine if unidentified characteristics of portfolio holdings are material.

Asset allocation and other breakdowns may be rescaled accordingly so that percentages total to 100 percent. (Morningstar used discretion to determine if unidentified characteristics of portfolio holdings are material, pie charts and other breakdowns may rescale identified characteristics to 100% for more intuitive presentation.).

Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the portfolio only.

Average Capitalization

Average Capitalization is a measure of the size of the companies in which a portfolio invests.

Average Effective Duration

Average Effective Duration is a weighted average of the effective durations of fixed income and certain derivative holdings. The portfolio average is computed by weighting each holding effective duration by the market value of the holding (notional value for derivatives) and then averaging by the sum of holding values. Effective duration is a measure of price elasticity relative to change in yield which accounts for the impact of redemption options on return of principal. It is expressed as a factor which represents the percentage change in value that is expected for a specific unit change in yield.

Average Effective Maturity

Average Effective Maturity is a weighted average of the length of time, measured in years, until return of principal can be reasonably expected for debt securities, and is computed by weighting each holding effective maturity term by the market value of the holding and then averaging by the sum of holding values. The effective maturity may be the nominal maturity date, the next put date, the average life of a sinking fund, the weighted average life of an amortizing prepayment, or a proxy maturity date for perpetual securities. NOTE: Effective Maturity is measured only for holdings which have a principal value or reference a security with a principal value and exclude many derivatives.

Average Gross Expense Ratio

A weighted-average of the gross Expense Ratio of the underlying funds within a portfolio.

Average Net Expense Ratio

A weighted-average of the net Expense Ratio of the underlying funds within a portfolio.

Average Weighted Coupon

Average weighted Coupon is the weighted average of the rates of interest paid of the fixed income and certain derivative securities in a portfolio. The average

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is computed by weighting each holding price by the market value of the holding and then averaging by the sum of holding values. For securities which pay no periodic interest but accrete in value at an assigned interest rate, (e.g. zero coupons), the value of the coupon is 0%. For non-periodic instruments which pay interest at maturity, (e.g. short-tern bills/notes), the interest rate at issuance is assigned as the coupon rate.

Back Load %
The back-end sales charge or deferred load is imposed when an investor redeems shares of a fund. The percentage of the load charged generally declines the longer the fund shares are held by the investor. This charge, coupled with 12b-1 fees, commonly serves as an alternative to a traditional front-end load.

Best Time Period
The Best Tim Period is the highest net return of the portfolio for the period shown since its inception or for as long as Morningstar has data available.

Beta
Beta is a measure of a security or portfolio sensitivity to market movements (proxied using an index.) A beta of greater than 1 indicates more volatility than the market, and a beta of less than 1 indicates less volatility than the market.

Credit Quality Breakdown
Displays the weighted distribution of holdings by credit rating symbol categories. The percentage for each rating category is computed by weighting each holding's credit rating by the market value of the holding and then averaging by the sum of holding values. For holdings that have more than one credit rating the ratings will be combined and an average rating for the holding will be computed. The distribution is based upon available credit ratings from recognized credit rating agencies such as a Nationally Recognized Statistical Rating Organization (NRSRO) in the U.S. (For a list of all NRSROs, please visit https://www.sec.gov/ocr/ocr-current-nrsros.html.) The categories are based on the rating scale produced by Morningstar Credit Ratings, LLC and range from AAA, indicating the highest level of credit quality, to D, indicating a security which has defaulted on its payment obligations. Holdings for which no credit rating is available are assigned to a "Not Rated', or "NR" category. Morningstar calculates Long, Short, and Net values.

Debt/Capital
The debt-to-capital ratio for a managed investment's underlying stock holdings is calculated by dividing each security's long- term debt by its total capitalization (the sum of common equity plus preferred equity and long-term debt) and is a measure of the company's financial leverage.

All else being equal, stocks with high D/C ratios are generally riskier than those with low D/C ratios. Note that debt-to-capital figures can be misleading owing to accounting conventions.

Because balance sheets are based on historic cost accounting, they may bear little resemblance to current market values. Morningstar aggregates debt-to-capital figures for managed investments using a median methodology, whereby domestic stocks are ordered from highest to lowest based on their D/C ratios. One adds up the asset weighting of each holding until the total is equal to or greater than half of the total weighting of all domestic stocks in the managed investment. The debt/ total cap for that stock is then used to represent the debt/ total cap of the total portfolio.

Expense Ratio %
The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Front-end Load %
The initial sales charge or front-end load is a deduction made from each investment in a fund and is generally based on the amount of the investment.

Average Capitalization
Average Capitalization is a measure of the size of the companies in which a portfolio invests.

Investment Activity Graph
The Investment Activity Graph for portfolios calculated using the Morningstar Internal Rate of Return calculation plots the approximate market value of the portfolio over the investing horizon. If shown, a benchmark assumes a similar pattern of contributions/withdrawals as that of the portfolio.

The Investment Activity Graph for portfolios calculated using the Morningstar Time-Weighted Return calculation takes the portfolio's ending market value, portfolio holdings, and fees and calculates net returns working backward in time to determine the starting market value of the portfolio for the historical time period shown. Once determined, the starting market value is then used to calculate the portfolio's gross and benchmark returns.

Market Maturity
These numbers show the percentage of a portfolio's common stocks that are domiciled in developed or emerging markets. Developed markets are countries with mature economies and stock markets that benefit from a high degree of investor recourse, corporate governance and legal infrastructure. Countries are designated as "developed" based on certain criteria for gross national income per capita, market float, offshore portfolio restrictions, operational efficiencies and maturity, regulatory environment, shareholders' rights, and accounting standards. Emerging markets are countries with fairly young economies and stock markets that offer higher growth potential and higher risk. Countries are designated as "emerging" based on certain criteria for gross national income per capita, market float, offshore portfolio restrictions, operational efficiencies and maturity, regulatory environment, shareholders' rights, and accounting standards. Emerging markets normally carry greater political and economic risk than developed countries, and stocks located in them are normally less liquid and more volatile. When Morningstar cannot determine the country in which a stock issuer is domiciled, it is categorized as "Not Available" for any portfolio that holds it.

Maximum Redemption Fee %
The Maximum Redemption Fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase (for example, 30, 180, or 365 days).

Mean
Mean is the annualized geometric return for the period shown.

Morningstar Style Box
The Morningstar Style Box reveals a portfolio investment strategy as of the date noted on this report.

For equity portfolios, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened square in the style box indicates the weighted

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average style of the portfolio.

For portfolios holding fixed-income investments, a Fixed Income Style Box is calculated. The vertical axis shows the credit quality based on credit ratings and the horizontal axis shows interest-rate sensitivity as measured by effective duration. There are three credit categories - "High", "Medium", and "Low - and there are three interest rate sensitivity categories - "Limited", "Moderate", and "Extensive" - resulting in nine possible combinations. As in the equity Style Box the combination of credit and interest rate sensitivity for a portfolio is represented by a darkened cell in the matrix.

Morningstar uses credit rating information from credit rating agencies (CRA's) that have been designated Nationally Recognized Statistical Rating Organizations (NRSRO's) by the Securities and Exchange Commission (SEC) in the United States. For a list of all NRSROs, please visit https://www.sec.gov/ocr/ocr-learn-nrsros.html. Additionally, Morningstar will use credit ratings from CRA's which have been recognized by foreign regulatory institutions that are deemed the equivalent of the NRSRO designation.

To determine the rating applicable to a holding and the subsequent holding weighted value of a portfolio two methods may be employed. First is a common methodology approach where if a case exists such that two rating organizations/ agencies have rated a holding, the lower rating of the two should be applied; if three or more CRA's have rated a holding, the median rating should be applied, and in cases where there are more than two ratings and a median rating cannot be determined, the lower of the two middle ratings should be applied. Alternatively, if there is more than one rating available an average can be calculated from all and applied. Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. Credit ratings for any security held in a portfolio may change over time.

Morningstar uses the credit rating information to calculate a weighted-average credit quality value for the portfolio. This value is based only upon those holdings which are considered to be classified as "fixed income", such as government, corporate, or securitized issues. Other types of holdings such as equities and many, though not all, types of derivatives are excluded. The weighted-average credit quality value is represented by a rating symbol which corresponds to the long-term rating symbol schemas employed by most CRA's. Note that this value is not explicitly published but instead serves as an input in the Morningstar Style Box calculation. This symbol is then used to map to a Style Box credit quality category of "low," "medium," or "high". Funds with a "low" credit quality category are those whose weighted-average credit quality is determined to be equivalent to the commonly used High Yield classification, meaning a rating below "BBB", portfolios assigned to the "high" credit category have either a "AAA" or "AA+" average credit quality value, while "medium" are those with an average rating of "AA" inclusive to "BBB-". It is expected and intended that the majority of portfolios will be assigned a credit category of "medium".

For assignment to an interest-rate sensitivity category Morningstar uses the average effective duration of the portfolio. From this value there are three distinct methodologies employed to determine assignment to category. Portfolios which are assigned to Morningstar municipal-bond categories employ static breakpoints between categories. These breakpoints are: (i) "Limited" equal to 4.5 years or less; (ii) "Moderate" equal to 4.5 years to less than 7 years, and (iii) "Extensive" equal to more than 7 years. For portfolios assigned to Morningstar categories other than U.S. Taxable, including all domiciled outside the United States, static duration breakpoints are also used. The values differ from the municipal category values: (i) "Limited" equals less than or equal to 3.5 years, (ii) "Moderate" equals greater than 3.5 years but less than or equal to 6 years, (iii) "Extensive" is assigned to portfolios with effective durations of more than 6 years. Note: Interest-rate sensitivity for non-U.S. domiciled portfolios (excluding those in Morningstar convertible categories) may be assigned using average modified duration when average effective duration is not available.

For portfolios Morningstar classifies as U.S Taxable Fixed-Income, interest-rate sensitivity category assignment is based on the effective duration of the Morningstar Core Bond Index (MCBI). The classification assignment is dynamically determined relative to the benchmark index value. A "Limited" category will be assigned to portfolios whose average effective duration is between 25% to 75% of MCBI average effective duration, where the average effective duration is between 75% to 125% of the MCBI the portfolio will be classified as "Moderate", and those portfolios with an average effective duration value 125% or greater of the average effective duration of the MCBI will be classified as "Extensive".

Net Margin
Also known as net profit margin. This figure is a measure of profitability. It is equal to annual net income divided by revenues from the same period. The resulting figure is then multiplied by 100.

Portfolio Holdings
This section indicates the underlying holdings in the portfolio. It identifies the percentage of assets that each holding represents in the portfolio, the security type, and the market value.

Potential Capital Gains Exposure
Capital gains exposure is an estimate of the percent of a holding's assets that represent capital appreciation. It measures how much the holding's assets have appreciated, and it can be an indicator of possible future capital gains distributions. A positive potential capital gains exposure value means that a holding has generally increased in value while a negative value means that a holding has reported losses on its book.

Price/Book Ratio
The Price/Book Ratio (or P/B Ratio) is the weighted average of the P/B Ratio of the stocks in the portfolio. Book value is the total assets of a company, less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

Price/Cash Flow Ratio
The Price/Cash Flow Ratio (or P/C Ratio) is the weighted average of the P/C Ratio of the stocks in the portfolio. The P/C Ratio of a stock represents the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

Price/Earnings Ratio
The Price/Earnings Ratio (or P/E Ratio) is the weighted average of the P/E Ratios of the stocks in the portfolio. The P/E Ratio of a stock is the stock current price divided by the company trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such stocks have an overlooked or undervalued potential for appreciation.

Price/Sales Ratio
The Price/Sales Ratio (or P/S Ratio) is the weighted average of the price/sales ratios of the stocks in its portfolio. Price/ sales represents the amount an investor is willing to pay for a dollar of revenue generated from a particular

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company's operations.

Quarterly Returns
Quarterly Return is calculated applying the same methodology as Total Return except it represents return through each quarter-end.

R-Squared
R-squared is the percentage of a security or portfolio return movements that are explained by movements in its benchmark index, showing the degree of correlation between the security or portfolio and the benchmark. This figure is helpful in assessing how likely it is that beta and alpha are statistically significant. A value of 1 indicates perfect correlation between the security or portfolio and its benchmark. The lower the R-squared value, the lower the correlation.

Relative Return
Relative Return represents the difference between the Portfolio Return – Net and the Benchmark Return.

Return on Equity
The Return on Equity (ROE) is the percentage a company earns on its shareholders' equity in a given year. The calculation is net income divided by end-of-year net worth, multiplied by 100.

Risk vs Return Scatterplot
The risk vs return scatterplot graph plots the return and risk (measured by standard deviation) for the portfolio, its underlying holdings, and the portfolio's benchmark for the trailing period identified in the report.

The return plotted in the graph is mean geometric return. Standard deviation is a statistical measure of the volatility of the security's or portfolio's returns in relation to the mean return. The larger the standard deviation, the greater the volatility of return in relation to the mean return.

Return on Assets
The return on assets (ROA) is the percentage a company earns on its assets in a given year. The calculation is net income divided by end-of-year total assets, multiplied by 100.

Sector Weightings %
Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector generally have betas that are close to 1.

Fixed-income Super Sectors represent Morningstar's broadest classification of fixed-income sectors. Securities held in domestic taxable-bond portfolios are mapped into one of 14 fixed-income sectors, which in turn, roll up to five super sectors. The Government Super Sector includes all conventional debt issued by governments, bonds issued by a Central Bank or Treasury, and bonds issued by local governments, cantons, regions, and provinces. The Municipal Super Sector includes taxable and tax-exempt debt obligations issued under the auspices of states, cities, counties, provinces, and other non-federal government entities. The Corporate Super Sector includes bank loans, convertible bonds, conventional debt securities issued by corporations, and preferred stock. The Securitized Super Sector includes all types of mortgage- based securities, covered bonds, and asset-backed securities The Cash &Equivalents Super Sector includes cash in the bank, certificates of deposit, currency, and money market holdings. Cash can also be any fixed-income securities that mature in certain short time frames, commercial paper, and repurchase agreements. The Derivatives Super Sector includes the common types of fixed-income derivative contracts: futures and forwards, options, and swamps. This sector may be displayed as "Other" in certain reports.

Security Types
The following security types may be represented herein: bond (BDN), closed-end fund (CE), collective investment trust (CIT), exchange-traded fund (ETF), index (IDX), model (MO), money market mutual fund (MM), open-end mutual fund (MF), separate account (SA), stock (ST), unit investment trust (UIT), and variable annuity/life (VA/L).

Sharpe Ratio
Sharpe Ratio uses standard deviation and excess return (a measure of a security or portfolio's return in excess of the U.S. Treasury three-month Treasury Bill) to determine the reward per unit of risk.

Standard Deviation
Standard deviation is a statistical measure of the volatility of the security or portfolio's returns. The larger the standard deviation, the greater the volatility of return.

Stock (Equity) Type
Morningstar places stocks into eight type designations that each defines a broad category of investment characteristics. Stocks are assigned to a type based on objective financial criteria and Morningstar's proprietary algorithm, so stocks of the same type have similar economic fundamentals. Every stock has individual idiosyncrasies, but in general, when evaluating investments, many of the same concerns and evaluation methods will apply across the stocks in one type. Stocks that don't meet the criteria to fit into any Stock Type category are giving a "N/A" (Not Applicable) designation.

Distressed: These companies are having serious operating problems. This could mean declining cash flow, negative earnings, high debt, or some combination of these.

Hard Asset: These companies main businesses revolve around the ownership or exploitation of hard assets like real estate, metals, timber, etc. Such companies typically sport a low correlation with the overall stock market.

Cyclical: Cyclical companies core businesses can generally be expected to fluctuate in line with the overall economy.

Speculative Growth: Speculative growth companies may show inconsistent performance with spotty (at best) profits. At worst, they lose money. Many companies never make it beyond speculative growth, going instead to bankruptcy court.

Aggressive Growth: Aggressive growth companies show a bit more maturity than their speculative growth counterparts: They have the potential to post rapid growth in profits, not just in sales.Classic Growth: These firms are mature companies. A classic grower is expected to provide steady growth, high returns on capital, positive free cash flows, and rising dividends. However, their growth is below that of the aggressive-growth group.

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Slow Growth and High Yield: Having run out of attractive investment opportunities, most slow growth and high yield companies pay out the bulk of their earnings in dividends – investors expect high payout ratios from these companies rather than for them to reinvest any profits back into their businesses.

World Regions
World regions is a display of the portfolio's equity assets invested in the regions shown on the report.

Worst Time Period
The Worst Time Period is the lowest return of the portfolio for the period shown since its inception or for as long as Morningstar has data available.

Comparison of Fund Types
Funds, including closed-end funds, exchange-traded funds (ETFs), money market funds, open-end funds, and unit investment trusts (UITs), have many similarities, but also many important differences. In general, publicly offered funds are investment companies registered with the Securities and Exchange Commission under the Investment Company Act of 1940, as amended. Funds pool money from their investors and manage it according to an investment strategy or objective, which can vary greatly from fund to fund. Funds have the ability to offer diversification and professional management, but also involve risk, including the loss of principal.

Closed-End Funds:A closed-end fund is an investment company, which can be offered in two ways. For some closed-end funds, new shares are continuously offered for sale, but are not available for trading on a secondary market ("non-traded funds"). Instead, the investment company will periodically offer to repurchase shares. Shares may be transferred or sold only in accordance with the non-traded fund's policies and agreements, but there is no guarantee shareholders will be able to sell their shares during a repurchase offer. Due to this, non-traded funds have limited liquidity and you should not expect to be able to sell your shares upon demand. Shares for non-traded funds will not be listed on any securities exchange and you should not expect a secondary market to develop. Non-traded funds are not appropriate for investors that require flexible liquidity options. As non-traded funds do not trade in a secondary market, performance and other data points based on market price are not included in this report. For other closed-end funds, a fixed number of shares is offered initially, and then the shares trade on a secondary market/securities exchange after the offering period is complete ("traded funds"). Traded funds may trade at, above, or below their net asset value. If a closed-end fund's shares trade at a price above their net asset value, they are said to be trading at a premium. Conversely, if they are trading at a price below their net asset value, they are said to be trading at a discount. A closed-end mutual fund's expense ratio is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. Closed-end funds may also have 12b- 1 fees. Income distributions and capital gains of the closed-end fund are subject to income tax, if held in a taxable account.

Exchange-Traded Funds:An ETF is an investment company that typically has an investment objective of striving to achieve a similar return as a particular market index. The ETF will invest in either all or a representative sample of the securities included in the index it is seeking to imitate. Like closed-end funds, an ETF can be traded on a secondary market and thus have a market price higher or lower than its net asset value. If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. ETFs are not actively managed, so their value may be affected by a general decline in the U.S. market segments relating to their underlying indexes. Similarly, an imperfect match between an ETF's holdings and those of its underlying index may cause its performance to vary from that of its underlying index. The expense ratio of an ETF is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. ETFs do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable account are subject to income tax. In many, but not all cases, ETFs are generally considered to be more tax-efficient when compared to similarly invested mutual funds.

Money Market Funds:A money-market fund is an investment company that invests in commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit and other highly liquid securities, and pays money market rates of interest. Money markets are not FDIC-insured, may lose money, and are not guaranteed by a bank or other financial institution.

Open-End Funds: An open-end fund is an investment company that issues shares on a continuous basis. Shares can be purchased from the open-end mutual fund itself, or through an intermediary, but cannot be traded on a secondary market, such as the New York Stock Exchange. Investors pay the open-end mutual fund's current net asset value plus any initial sales loads. Net asset value is calculated daily, at the close of business. Open-end mutual fund shares can be redeemed, or sold back to the fund or intermediary, at their current net asset value minus any deferred sales loads or redemption fees. The expense ratio for an open-end mutual fund is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. Open-end funds may also have 12b-1 fees. Income distributions and capital gains of the open-end fund are subject to income tax, if held in a taxable account.

Unit Investment Trusts: A unit investment trust (UIT) is an investment company organized under a trust agreement between a sponsor and trustee. UITs typically purchase a fixed portfolio of securities and then sell units in the trust to investors. The major difference between a UIT and a mutual fund is that a mutual fund is actively managed, while a UIT is not. On a periodic basis, UITs usually distribute to the unit holder their pro rata share of the trust's net investment income and net realized capital gains, if any. If the trust is one that invests only in tax-free securities, then the income from the trust is also tax-free. UITs generally make one public offering of a fixed number of units. However, in some cases, the sponsor will maintain a secondary market that allows existing unit holders to sell their units and for new investors to buy units. A one-time initial sales charge is deducted from an investment made into the trust. UIT investors may also pay creation and development fees, organization costs, and/or trustee and operation expenses. UIT units may be redeemed by the sponsor at their net asset value minus a deferred sales charge and sold to other investors. UITs have set termination dates, at which point the underlying securities are sold and the sales proceeds are paid to the investor. Typically, a UIT investment is rolled over into successive trusts as part of a long-term strategy. A rollover fee may be charged for the exercise of rollover purchases. There are tax consequences associated with rolling over an investment from one trust to the next.

Comparison of Other Investment Types
Variable Annuities: Variable annuities are tax-deferred investments structured to convert a sum of money into a series of payments over time. Variable annuity policies have limitations and are not viewed as short-term liquid investments. An insurance company's fulfillment of a commitment to pay a minimum death benefit, a schedule of payments, a fixed investment account guaranteed by the insurance company, or another form of guarantee depends on the claims-paying ability of the issuing insurance company. Any such guarantee does not affect or apply to the investment return or principal value of the separate account and its subaccount. The financial ratings quoted for an insurance company do not apply to the separate account and its subaccount. The insurance company offering a variable annuity will charge several fees to investors, including annual contract

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charges that compensate the insurance company for the cost of maintaining and administering the variable annuity contract, mortality and expense risk (M&E Risk) charges based on a percentage of a subaccount's assets to cover costs associated with mortality and expense risk, and administration fees that are based on a percentage of a subaccount's assets to cover the costs involved in offering and administering the subaccount. A variable annuity investor will also be charged a front-end load by the insurance company on their initial contribution, ongoing fees related to the management of the fund, and surrender charges if the investor makes a withdrawal prior to a specified time. If the variable annuity subaccount is invested in a money-market fund, the money market fund is not FDIC-insured, may lose money, and is not guaranteed by a bank or other financial institution.

Variable Life Insurance: Variable life insurance is a cash-value life insurance that has a variable cash value and/or death benefit depending on the investment performance of the subaccount into which premium payments are invested. Unlike traditional life insurance, variable life insurance has inherent risks associated with it, including market volatility, and is not viewed as a short-term liquid investment. For more information on a variable life product, including each subaccount, please read the current prospectus. Please note, the financial ratings noted on the report are quoted for an insurance company and do not apply to the separate account and its subaccount. The insurance company offering a variable life contract will charge several fees to investors, including annual contract charges that compensate the insurance company for the cost of maintaining and administering the variable life contract, mortality and expense risk (M&E Risk) charges based on a percentage of a subaccount's assets to cover costs associated with mortality and expense risk, and administration fees that are based on a percentage of a subaccount's assets to cover the costs involved in offering and administering the subaccount. A variable life investor will also be charged a front-end load by the insurance company on their initial contribution, ongoing fees related to the management of the fund, and surrender charges if the investor makes a withdrawal prior to a specified time. If the variable life subaccount is invested in a money-market fund, the money market fund is not FDIC-insured, may lose money, and is not guaranteed by a bank or other financial institution.

Fixed Annuities: Fixed annuities have a predetermined rate of return an investor earns and a fixed income payout that is guaranteed by the issuing investment company and may be immediate or deferred. Payouts may last for a specific period or for the life of the investor. Investments in a deferred fixed annuity grow tax-deferred with income tax incurred upon withdrawal, and do not depend on the stock market. However, the insurance company's guaranteed rate of return and payments depends on the claims-paying ability of the insurance company. Fixed annuities typically do not have cost-of-living payment adjustments. Fixed annuities often have surrender charges if the event you need to withdraw your investment early. Fixed annuities are regulated by state insurance commissioners.

Fixed Indexed Annuities: Fixed indexed annuities, also called equity index annuities, are a combination of the characteristics of both fixed and variable annuities. Fixed indexed annuities offer a predetermined rate of return like a fixed annuity, but they also allow for participation in the stock market, like a variable annuity. Fixed indexed annuities are typically risker and offer the potential for greater return than fixed annuities, but less so than a variable annuity. Investments in a fixed indexed annuity grow tax-deferred with income tax incurred upon withdrawal. The insurance company's guaranteed rate of return and ability to make payments depends on the claims-paying ability of the insurance company. While fixed indexed annuities may limit an investor's gains in an up market, they are also designed to help limit losses in a down market. Fixed indexed annuities can be complicated and an investor in a fixed indexed annuity should carefully read the insurance company's offering material to understand how a specific annuity's return will be determined. Fixed indexed annuities often have surrender charges in the event you need to withdraw your investment early and are regulated by state insurance commissioners.

Stock (Equity): A stock is an ownership interest in a company. When an investor purchases a stock, they become a business owner, and the value of their ownership stake will rise and fall according to the underlying business. Stockholders are entitled to the profits, if any, generated by the company after everyone else – employees, vendors, lenders – get paid. Companies usually pay out their profits to investors in the form of dividends, or they reinvest the money back into the business. Stocks trade on exchanges throughout the day, through a brokerage firm who will charge a commission for the purchase or sale of shares. Income distributions and capital gains of the stock are subject to income tax upon their sale, if held in a taxable account.

Bond (Debt, Fixed Income): A bond is a debt security. When an investor purchases a bond, the purchase amount is lent to a government, municipality, corporation or other entity known as an issuer. The issuer promises to pay a specified rate of interest during the life of the bond and repay the face value of the bond when it matures. U.S Treasuries can be purchased directly from the Treasury or through a brokerage firm. Most other newly issued bonds are offered through an underwriter. Older bonds are traded throughout the day on the secondary market and can be purchased through a brokerage firm, who will charge transaction fees and commission for the purchase or sale. Price evaluations are provided by Interactive Data Corporation (IDC).

Preferred Stock: Preferred stock usually offers a fixed dividend payment, which is paid out before variable dividends that may be paid to investors in a company's common stock. Therefore, preferred stock is typically less risky in terms of principal loss, but there is also less potential for return when compared to a company's common stock. If a company fails, their obligations to preferred stockholders must be met before those of the company's common stockholders, but after bondholders are reimbursed.

Separate Accounts: A separate account is a portfolio of securities (such as stocks, bonds, and cash) that follows a specified investment strategy and is managed by an investment professional (typically referred to as a separate account manager). Separate accounts are unregistered investment vehicles; therefore, they do not have the same performance and holding reporting responsibilities that registered securities have. The securities in a separate account portfolio are directly owned by the separate account's owner. As such, investors in the same separate account may have slightly different portfolio holdings because each investor has customized account needs, tax considerations and security preferences.

Models: A model, as defined by Morningstar, is a portfolio of securities such as mutual funds, ETFs, and cash created by your financial professional (a "Financial Professional-Created Model) or an investment manager such as a broker-dealer, investment adviser, or asset manager (collectively referred to as a model manager) that is distributed through centralized platforms to various types of investors or financial professionals. Models created by model managers do not take into account the investment objectives, financial situation, or particular needs of any specific investor. A model is intended to provide information to assist investors in making their own investment decisions; investors must exercise their own independent judgment as to the suitability of a model and its holdings in light of their own investment objectives, experience, taxation status, and financial position.

The performance of a model or its underlying holdings, or that a model's objective will be achieved, are not guaranteed. An investor using a model can incur a loss. Unless the model manager and an investor enter in an agreement stating otherwise, the model manager is not responsible for an investors decision to invest in accordance with a model, the suitability of the model for a

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specific investor, or trading decisions, and does not manage or have access to the investor account. Instead, the investor or their financial professional chooses whether and how to implement the model and is ultimately responsible for related investment decisions. If an investor chooses to invest in accordance with a model, the securities in the account are directly owned by the investor. Models are not registered investment vehicles; therefore, they do not have the same performance and holding reporting responsibilities that registered securities have.

Before using a model as an investment template, investors should obtain the disclosure documents and other relevant information about the model manager and the model, including any material conditions, objectives, or strategies used to obtain the performance provided or whether the performance provided does not relate to all potential investors and how this impacts the performance shown. Investors should inquire whether the objective or strategy of the model changed materially during the time period shown in this report, and the effect of those changes. If the model manager offers this same strategy in other forms such as a separate account, a fund, or as a discretionary investment manager , investors should compare the performance shown here to that obtained by the manager's clients. .

Collective Investment Trusts: A collective investment trust (CIT) may also be called a commingled or collective fund. CITs are tax-exempt, pooled investment vehicles maintained by a bank or trust company exclusively for qualified plans, including 401(k)s, and certain types of government plans. CITs are unregistered investment vehicles subject to banking regulations of the Office of the Comptroller of the Currency (OCC), which means they are typically less expensive than other investment options due to lower marketing, overhead, and compliance-related costs. CITs are not available to the general public but are managed only for specific retirement plans.

529 Portfolios: A 529 Portfolio is a specific portfolio of securities created from a 529 plan's available investments. In general, the data presented for a 529 Portfolio uses a weighted average of the underlying holdings in the portfolio. Most 529 plans are invested in open-end mutual funds; however, other investment types are possible such as stable value funds, certificates of deposit, and separate accounts.

Before investing, an investor should consider whether the investor's or designated beneficiary's home state offers any state tax or other state benefits such as financial aid, scholarship funds, and protection from creditors that are only available for investments in such state's 529 qualified tuition program.

Offshore Funds: Offshore funds are funds domiciled in a country outside the one the investor resides in. Many banks have offshore subsidiaries that are under the standards and regulations of the particular country, which can vary considerably. Companies may establish headquarters offshore because of lower tax rates. Offshore funds are not regulated by the SEC and may have tax implications.

Hedge Funds: Hedge funds are aggressively managed portfolios which make extensive use of unconventional investment tools such as derivatives as well as long and short positions. Managers of hedge-funds typically focus on specific areas of the market and/or trading strategies. Strategies may include the use of arbitrage, derivatives, leverage, and short selling, and may hold concentrated positions or private securities, which can make them risker than other investment types.

Hedge funds are typically pooled investment vehicles available to sophisticated investors that meet high investing minimums. Many hedge funds are unregistered and are not subject to the same regulations as registered investment vehicles, such as mutual funds. Funds of hedge funds are pooled investment vehicles that invest in multiple unregistered hedge funds and may be registered with the SEC. Registered funds of hedge funds typically have lower investment minimums than hedge funds, but they are usually not registered on an exchange and can be illiquid. Fund of hedge fund fees are generally higher than those of other pooled investments (like mutual funds) and may have tax consequences.

Cash: Cash is a short-term, highly liquid investment. Cash typically doesn't earn as much as other investments, such as stocks or bonds, but is less risky.

Benchmark or Indexes: Benchmarks or indexes are unmanaged and not available for direct investment. Indexes are created to measure a specified area of the stock market using a representative portfolio of securities. If a security is not available in Morningstar's database, your financial professional may choose to show a representative index. Please note that indexes vary widely, and it is important to choose an index that has similar characteristics to the security it is being used to represent. In no way should the performance of an index be considered indicative or a guarantee of the future performance of an actual security, be considered indicative of the actual performance achieved by a security or viewed as a substitute for the actual security in your portfolio. Actual results of a security may differ substantially from the historical performance shown for an index and may include an individual client incurring a loss. Past performance is no guarantee of future results. For additional information, see the Benchmark Disclosure in this report.

Morningstar Category:Morningstar assigns each security in its database to a Morningstar Category using the underlying securities in the security's portfolio. If a security is not available in Morningstar's database, your financial professional may choose to show the security's category. Please note that a category will not be an exact match to your securities. In no way should the performance of a category be considered indicative or a guarantee of the future performance of an actual security, be considered indicative of the actual performance achieved by a security or viewed as a substitute for the actual security in your portfolio. Actual results of a security may differ substantially from the historical performance shown for a category and may include an individual client incurring a loss. Past performance is no guarantee of future results.

Structured Products: Structured products are unsecured debt securities of an issuer that are linked to the performance of an underlying asset, such as a security, basket of securities, index, commodity, interest rate, yield, exchange rate, debt issuance, or a foreign currency or a combination of these assets. Structured products are typically the combination of a note (or other corporate bond) and a derivative (such as an option). Structured products include range accruals, trigger notes, dual directionals, barriers, buffers, and income notes.

Structured products are generally designed to be held until maturity and are not intended for short-term trading. Structured products may not be appropriate for investors seeking current income, as they may not pay interest or the interest they pay may vary in amount or timing. It may be possible to lose the entire amount of principal invested in a structured product. Some structured products result in the investor owning the underlying asset at maturity.

Each structured product may differ greatly from another structured product. Some offer full principal protection while others offer limited or no protection. The note portion of the structured product may pay regular interest payments, interest payments that vary according to certain conditions, or may not pay interest at all. Investors should be aware of any attributes related to limits on the upside or downside potential of returns, call options, income, risk reduction strategies, early termination events, tax consequences, and market events that impact the structured product or its underlying asset. Before investing in a structured product, investors should carefully read its offering documents and

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make sure they fully understand the specific terms and conditions for that product.

Investors should fully understand the underlying assets upon which a structured product is based on and how events that affect the underlying assets, like mergers or rebalances, may affect the structured product. The return on a structured product may not align with its underlying asset. The structured product may not provide a return, and/or the return may be significantly less than what an investor could have received by investing directly in the underlying asset or other security. Underlying assets are subject to market and other risks that may impact the structured product. Structured products are complex and may use advanced trading techniques such as leverage, options, futures, swaps, and other derivatives which lead to additional risks. Investing in a structured product should not be compared to investing in the underlying asset, as the features and risks may differ significantly.

As unsecured debt securities, structured products are not backed by collateral and they are subject to the creditworthiness of the issuer to make interest payments and repay principal. If the issuer of a structured product were to default or go into bankruptcy, an investor may lose some or all of their invested principal. An investor should carefully consider the credit rating, financial condition, and stability of the issuer before investing in a structured product, however, the credit rating of the issuer is not a reflection of the risk of the structured product or its underlying asset.

Structured products may not be listed on a national securities exchange and those that are may be thinly traded. A structured product's issuer may maintain a secondary market but is not required to do so. Even if a secondary market is maintained, an investor may not be able to sell the structured product prior to maturity and is unlikely to receive the full amount invested. An investor should be prepared to hold a structured product until maturity.

As structured products are typically not traded on a national securities exchange and they are linked to an underlying asset, it is difficult to value a structured product.

Structured products may use barriers, caps, participation rates, or other limits that impact their return potential. Certain structured products may not offer any return if a barrier is crossed or certain thresholds are reached. Caps impose maximum return limits, regardless of the return reached by the underlying asset. Participation rates limit the amount of return an investor can realize.

The costs and fees of a structured product are typically included within the product and will vary.

Structured products have an uncertain tax treatment due to limited guidance. The Internal Revenue Service may change how structured products are treated at any time. Investors should consult with a tax financial professional prior to investing in a structured product.

Important Note: In this report, if a structured product is included, it is reflected as a 100% allocation to bonds. No return information, fees or risk, return, or portfolio statistics for a structured product are included in the data shown in this report.

Correlation Graph Disclosure Statement

All data presented in this report is based on the most recent information available to Morningstar as of the release date of the report and may or may not be an accurate reflection of the current data for the portfolio or its underlying holdings included in the portfolio. There is no assurance that the data will remain the same.

Unless otherwise specified, the definition of "funds" used throughout this Disclosure Statement includes closed-end funds, exchange-traded funds, grantor trusts, index mutual funds, open-ended mutual funds, and unit investment trusts. It does not include exchange-traded notes or exchange-traded commodities.

General Disclosures

These disclosures provide you (the investor) and your financial professional with important information regarding the key terms, criteria, methodology, assumptions, risks and limitations presented in this report.

There are many resources available to assist you and your financial professional with evaluating a particular investment or investment strategy. This report, alone, should not be used to make an investment decision. Investing involves numerous risks, and there is always the potential of losing money. You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Your financial professional may provide you with investment advisory services, brokerage services or both. Those services and fees differ; therefore, it is important for you to understand the differences. Free and simple tools are available to research firms and financial professionals at the SEC's investor education website, Investor.gov/CRS, which also provides educational materials about investment advisers, broker/dealers, and investing. You should carefully read the information provided by your financial professional that more fully describes the services, fees, costs, and conflicts of interest specific to your financial professional and situation.

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- Investment adviser representatives typically include an annual advisory fee (which may be referred to as an "Annual Fee", "Annual Asset-Based Advisory Fee", or "Advisory Fee" in this report and its disclosures) in net

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performance calculations, but such fees are generally not applicable to broker/dealer representatives who charge fees based on specific trades;

- Certain Morningstar tools can be used as an "interactive analysis tool" or "investment analysis tool" where you, alone or with the support of your financial professional, use the tool to produce simulations and statistical analyses that present the likelihood of various investment outcomes if certain investments are made or certain investment strategies or styles are undertaken; and/or
- The data shown in this report could be calculated based on portfolio holdings and allocations entered by you or your financial professional or could be input from Morningstar's Separate Account or Model database, and may take into account various fees and expenses and other assumptions.

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This report is supplemental sales literature and therefore must be preceded or accompanied by the investment's current prospectus or equivalent disclosure documents. Please read this information carefully. In all cases, this disclosure statement should accompany this report.

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You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Investment Performance Disclosures

It is important that you understand the risks and limitations of using investment performance returns in making investment decisions. Performance data represents past performance and should not be considered indicative of future results. Furthermore, fees, expenses, and other costs, including any applicable trading commissions, short-term fees, or taxes, negatively impact investment performance return. The purpose of including such fees and expenses is to illustrate the effect they have on investment returns for the time periods shown. For additional information, please refer to the Fee Schedule (if applicable) and related disclosures contained in this report and those provided by your financial professional.

Gross and Net Performance Returns and Fee Types

Gross performance is calculated before the deduction of all fees and expenses an investor paid in connection with advisory fees, brokerage commissions or other expenses. If included, these fees would reduce the gross performance shown. A "net" return is calculated over the same time period, using the same type of return and calculation methodology as the "gross" return. If your financial professional is an investment adviser representative, the impact of fees and expenses paid in connection with your portfolio's advisory services will be reflected in the return calculation used in determining correlation.

You should speak with your financial professional to understand the impact that fees and expenses have on performance returns before making investment decisions. Additional information on the types of fees, time periods, types of returns, and calculation methodologies that may be used in this report is further provided below.

If this report uses performance from the Morningstar Separate Account or Model databases, the net performance for the Separate Account or Model could reflect the:

- Net performance data reported by the separate account or model manager to Morningstar's Separate Account or Model database,
- Net performance calculated from the application of the separate account or model manager's reported fee data to their reported gross performance data, or
- Net performance calculated from the application of the advisory fee input in this report by your financial professional or their advisory firm to the separate account or model manager's reported gross performance data.

If this report uses performance from a Financial Professional-Created Model, the net performance is calculated by applying the advisory fee to the historical returns of the investment holdings and allocations, which are input by your financial professional.

Your financial professional can provide you with further information about the performance used for this report.

You should refer to the disclosure document of the separate account manager, model manager, and/or your financial professional, as applicable, for specific information regarding fees and expenses and discuss with your financial professional the methodologies used to calculate the data reflected in this report.

Types of Performance Returns

The following further describes the criteria, methodology, assumptions, risk and limitations used in calculating various types of investment performance returns that may be used in this report. It may be inappropriate to compare the different types of investment performance returns and you should consult with your financial professional to discuss these differences.

After-Tax Returns: In the Standardized and Tax-Adjusted Returns section, Morningstar calculates after-tax returns for individual securities using the highest applicable federal marginal income tax rate plus the investment income tax and Medicare surcharge. As of 2018, this rate is 37% plus 3.8% investment income plus 0.9% Medicare surcharge, or 41.7%. This rate changes periodically in accordance with changes in federal law.

Benchmark Returns: Returns for user-created custom benchmarks are calculated by applying weightings supplied by your financial professional to each benchmark's returns every month. Custom benchmarks are rebalanced monthly. Returns for custom benchmarks created by the Auto Benchmark feature uses the portfolio's characteristics to assign a benchmark or blend of benchmarks and appropriate weights for each based on Asset Allocation or Category. Auto Benchmark created benchmarks are rebalanced monthly.

Extracted Performance: Extracted performance means the performance results of a subset of investments extracted from a portfolio, this includes performance attribution. The performance results of the total portfolio from which the performance was extracted may be obtained by contacting your financial professional.

Financial Professional-Created Model Returns: Performance data for these models are not reported to Morningstar's databases. Instead, hypothetical performance for the model is calculated based on the allocation and investment holdings input by your financial professional, which does not reflect actual trading. Financial professional-created model performance does not reflect the impact that material economic and market factors may have had on your financial professional's decision-making process were actually managing client assets in this financial professional-created model.

The performance and risk information shown for a financial professional-created model will differ from that of an investor account during the same period for a

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number of reasons including the model and investor having different trading and rebalancing patterns and fees and expenses. In addition, an investor account could have different holdings because each investor has customized account needs, tax considerations and security preferences. Performance of the financial professional-created model may or may not reflect the reinvestment of dividends and capital gains, based on the criteria input by your financial professional. Thus, performance and risk figures for models and investor accounts or even different models may not be fully comparable to each other.

Investors should refer to the investment prospectus or equivalent document for a model's underlying securities, applicable disclosure documents of their financial professional, and fee schedules of their account custodian or similar entity for specific information regarding fees and expenses.

Hypothetical Performance Returns: Hypothetical performance is investment performance returns not actually achieved by any portfolio of the financial professional. Hypothetical performance may include, but is not limited to, model performance returns, back-tested performance returns, targeted or projected performance returns, and/or pre-inception returns. Additional information on these types of hypothetical performance is further provided in these disclosures.

Hypothetical performance returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. Hypothetical performance returns are based on historic economic and market assumptions and the investment and planning assumptions selected by you or your financial professional. Actual performance returns will vary. If required under applicable regulation, your financial professional has determined that you have the resources and financial expertise to understand the risks and limitations of using such hypothetical performance returns in making investment decisions.

Hypothetical performance returns do not reflect actual trading and may not reflect the impact that material economic and market factors had on the decision-making process for this portfolio. For example, the ability to withstand losses or adhere to a particular investment strategy in spite of losses are material points which can also adversely affect markets in general or the implementation of any specific investment or investment strategy.

Morningstar's Model Database Returns: Model managers can report hypothetical performance calculated based on the model's underlying holdings over time to Morningstar's Model database. Model performance does not reflect actual trading and may not reflect the impact that material economic and market factors may have had on the model manager's decision-making process if the model manager was actually managing client assets. Morningstar has informed model managers that back-tested performance, which is created with the benefit of hindsight and does not reflect the impact material economic and market factors may have had on the model manger decision-making process, should not be submitted to the Model database. The method for calculating model returns can vary and Morningstar does not review or verify any reported performance or other information submitted for a model.

The performance and risk information shown for a model will differ from that of an investor account during the same period for a number of reasons including the model and investor having different trading and rebalancing patterns and fees and expenses. In addition, an investor account could have different holdings because each investor has customized account needs, tax considerations and security preferences. Since different model managers may use different methods in constructing or computing performance figures, performance of the model may or may not reflect the reinvestment of dividends and capital gains. Thus, performance and risk figures for models and investor accounts or even different models may not be fully comparable to each other.

Model managers have the option to report gross and net performance to Morningstar's Model database on a monthly basis and portfolio data at least quarterly. The investor should refer to the investment prospectus or equivalent document for a model's underlying securities, applicable disclosure documents of the investor's financial professional, and fee schedules of the account custodian or similar entity for specific information regarding fees and expenses.

Morningstar's Separate Account Database Returns: Separate account managers can report performance data as a composite of similarly managed accounts to Morningstar's Separate Account database. Composite performance may differ from the returns realized by a specific account in the composite over the same period for a number of reasons. Likewise, performance and risk information of certain separate account managers may include only composites of larger accounts, which may or may not have more holdings, different diversification, different trading patterns and different performance than smaller accounts with the same strategy. Different managers may use different methods in constructing or computing performance figures and may or may not reflect the reinvestment of dividends and capital gains. Thus, the performance and risk figures for different separate account managers may not be fully comparable to each other. Morningstar does not review or verify any reported performance or other information submitted for a separate account.

When reporting performance data to Morningstar's Separate Account database, the separate account manager has the option to report both gross and net performance. The investor should refer to the investment prospectus (or equivalent document) for the separate account's underlying securities, applicable disclosure documents of the separate account manager and the investor's financial professional, and fee schedules of the account custodian or similar entity for specific information regarding fees and expenses.

Total Return: Expressed in percentage terms, Morningstar's calculation of total return is determined by taking the change in a security's net asset value (NAV), assuming the reinvestment of all income (in the form of dividends or interest payments) and capital gains distributions (on the actual reinvestment date used by the fund) during the period, and dividing by the initial NAV. For variable annuity and variable life subaccounts, non-standardized returns illustrate performance that is adjusted to reflect recurring and non-recurring charges such as surrender fees, contract charges, maximum front-end load, maximum deferred load, maximum M&E risk charge, administrative fees and underlying fund-level expenses for various time periods. Unless otherwise noted, returns are not adjusted for sales charges (such as front-end or deferred loads) or redemption fees. Total returns do account for the expense ratio, which includes management, administrative, 12b-1 fees, and other costs that are automatically taken out of fund assets. Total returns for periods longer than one year are expressed in terms of compounded average annual returns (also known as geometric total returns). If adjusted for sales charges, redemption fees, and the effects of taxation, the performance quoted would be reduced. If applicable, the advisory fee input by your financial professional is also applied to the returns..

Predecessor Performance: Predecessor performance means investment performance achieved by a group of investments consisting of an account (or a private fund) that was not advised at all times during the period by the investment adviser reporting the performance. Additional information may be obtained by contacting your financial professional.

Pre-Inception Returns: Pre-inception returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. The analysis in this report may be based, in part, on adjusted historical returns for periods prior to the inception of the share class of the fund shown in this report ("Report Share Class"). If pre-inception returns are shown, a performance stream consisting of the Report Share Class and older share class(es) is created. Morningstar adjusts pre-inception returns downward to reflect higher expenses

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in the Report Share Class, we and does not hypothetically adjust returns upwards for lower expenses. For more information regarding calculation of pre-inception returns please see the Morningstar Extended Performance Methodology.

When pre-inception data is presented in the report, the header at the top of the report will indicate this. In addition, the pre-inception data included in the report will appear in italics.

While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. For example, the fee structures of a retail share class will vary from that of an institutional share class, as retail shares tend to have higher operating expenses and sales charges. These adjusted historical returns are not actual returns. The underlying investments in the share classes used to calculate the pre-performance string will likely vary from the underlying investments held in the fund after inception. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.

Related Performance: Related performance means performance results of one or more related portfolios, either on a portfolio-by-portfolio basis or as a composite aggregation of all portfolios falling within stated criteria. All or some related portfolios, those with substantially similar investment policies, objectives, and strategies, may be excluded from the related performance, so long as in doing so the related performance is not materially higher that if all related portfolios had been included in the reported performance returns. For additional information, contact your financial professional.

Standardized Returns: Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experience if the security was purchased at the beginning of the period and sold at the end, incurring transaction charges. If applicable, the advisory fee input by your financial professional is not applied to standardized returns.

For mutual funds, standardized return is total return adjusted for sales charges, and reflects all ongoing fund expenses. Standardized returns for each portfolio holding are shown in this report.

For money-market mutual funds, standardized return is total return adjusted for sales charges and reflects all ongoing fund expenses. Current 7-day yield more closely reflects the current earnings of the money-market fund than the total return quotation.

For Variable Annuity subaccounts, standardized return is total return based on the inception date within the separate account and is adjusted to reflect recurring and non- recurring charges such as surrender fees, contract charges, maximum front-end load, maximum deferred load, maximum M&E risk charge, administration fees and actual ongoing fund-level expenses.

For ETFs, the standardized returns reflect performance, both at market price and NAV price, without adjusting for the effects of taxation or brokerage commissions. These returns are adjusted to reflect all ongoing ETF expenses and assume reinvestment of dividends and capital gains. If adjusted, the effects of taxation would reduce the performance quoted.

The charges and expenses used in the standardized returns are obtained from the most recent prospectus and/or shareholder report available to Morningstar. For mutual funds and VAs, all dividends and capital gains are assumed to be reinvested. For stocks, stock acquired via divestitures is assumed to be liquidated and reinvested in the original holding.

Calculation Methodologies

Portfolio-level performance returns are calculated using a Time Weighted Rate of Return.

Morningstar Time-Weighted Return:Measures the performance (as a percent) of capital at work during each interval between contributions and withdrawals and then linking that performance together to produce a return for a stated period. The Morningstar Time-Weighted Return calculation is designed to eliminate the effect of cash and/ or securities being added to or taken out of a portfolio (that influences the internal rate of return calculation, for example). The more contributions and withdrawals that occur and the longer the time frame, the more complex the time-weighted return calculation can become.

When the Morningstar Time-Weighted Return calculation is used, the current allocations for the portfolio's holdings were used to generate historical performance assuming monthly rebalancing. Taxes, loads, and sales charges and any applicable trading commissions or short-term trading fees are not taken into account. Portfolios whose returns are calculated using this method were previously known as "Unscheduled Portfolios.".

Monthly total returns for portfolios calculated using the Morningstar Time-Weighted Return method are calculated by applying the ending period holding allocations supplied by you or your financial professional to an individual holding's monthly returns. When monthly returns are unavailable for a holding (i.e., due to it not being in existence during the historical period being reported), the remaining portfolio holdings are re-weighted to maintain consistent proportions. (Inception dates for individual securities are listed in the Standardized and Tax Adjusted Returns section of this report.) Trailing returns are calculated by geometrically linking these weighted- average monthly returns. Returns for individual holdings are simple time-weighted trailing returns. Portfolio and holding returns are adjusted for advisory fees, but not for other fees or taxes. If they were, the returns stated would be reduced. The returns stated assume the reinvestment of dividends and capital gains. Fund returns include all ongoing fund expenses. VA/VL returns reflect subaccount level fund expenses, including M&E expenses, administration fees, and actual ongoing fund-level expenses.

Interactive Analysis Tool/Investment Analysis Tool Disclosures

The purpose of an interactive analysis tool/investment analysis tool ("IA Tool") is to establish a clear understanding between an investor and a financial professional as to the investment goals and policies applicable to the investor's investment portfolio. If this report was generated from the use of an IA Tool, it was prepared by you (the investor) or in direct consultation between you and your financial professional to establish reasonable objectives and guidelines in the investment of the investor's assets, set forth a target portfolio indicative of the risk levels, allocations and return targets that the investor's assets will typically be invested to achieve. The customized investment strategy and target portfolio allocation illustrated for you are approximate based on individual cash requirements, re-balancing tolerance, economic and market conditions. This has been developed from an evaluation of many key factors which impact the investor's specific situation, risk tolerance and investment objectives. This is only a summary of the investment philosophy that the financial professional may seek to pursue on your behalf.

Use of an IA Tool: If this report was generated from the use of an IA Tool, this report includes simulated analyses including certain limitations and assumptions, that present the likelihood of various outcomes of an investment

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in the offered strategy. IA Tools alone cannot determine which securities to buy or sell, or which investment strategy to invest in. **IMPORTANT: The projections or other information generated regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results and are not guarantees of future results.** All such analyses, projections and estimates in this presentation were prepared solely by you and/or your financial professional and not by any other person. Please note that results may vary with each use of the tool and over time, reflecting any changed circumstances, assumptions or variables upon which the analysis is based.

Also note that the analysis provided by the IA Tool relates only to the investments and investment strategy(ies) presented in this report or shown in the IA Tool, other investments and strategies not considered may have characteristics similar or superior to those being analyzed. Please contact your financial professional if you would like to request alternative analyses using the IA Tool, based on different assumptions and inputs than those described in this report.

Correlation Matrix Graph
The Correlation Matrix is based on the correlation coefficient calculated for the monthly returns of each portfolio and/or investment showing in the report against the other investments in the report. The correlation coefficient is a number between -1.0 and 1.0.

If there is a perfect positive linear relationship between the returns of investments, the correlation will be 1.0. A correlation close to 1.0 means that two investments perform similarly—when one investment is performing above its average return, the other performs above its average return. The opposite is also true—when one investment performs below its average return, the other also performs below its average.

A correlation coefficient of 0.0 means that there is no linear relationship between the returns of two investments. Securities with a correlation coefficient at or near 0 indicate a pattern of returns between two securities that are unrelated.

If there is a perfect negative linear relationship between two investments the correlation coefficient is -1.0. If there is a perfectly negative relationship between two investments, when one investment performs above its average return, the other performs below its average, and vice versa.

Correlation between securities is a helpful measure because it indicates the extent to which securities may serve to improve diversification within a portfolio. Portfolios containing securities with low correlation of returns produce portfolio risk that is lower than the average risk of the individual securities. The lower the correlation between securities, the greater the impact in lowering portfolio risk. Securities with correlations equal to 1.0 indicate a pattern of returns that do not contribute to beneficial diversification in a portfolio and do not lower overall portfolio risk when the securities are combined in a portfolio. Securities with correlations equal to 0.0 or close to 0.0 indicate a pattern of returns that serve to improve diversification effects in a portfolio. Securities with correlations equal to -1.0 or close to -1.0 indicate a pattern of returns that serve to strongly improve diversification effects in a portfolio, notably, lower overall portfolio risk. Note that it is very unusual to have investments with extremely strong negative correlation patterns. Most securities have a correlation above 0.

Note that return patterns between securities may change over time. The correlation coefficient between two investments over one period may differ from that of another period. Further, note that while combining securities with correlation coefficients less than 1.0 in a portfolio can reduce risk, risk cannot be completely eliminated with diversification. There is no guarantee that any particular mix of securities will eliminate risk, reduce your current exposure to risk, or manage your exposure to risk in a way that is tolerable for you.

Individual bond price evaluations are provided by Interactive Data Corporation.

Data Definitions
7-day Yield
The 7-day yield is a measure of performance in the interest rates of money market funds.

Back Load %
The back-end sales charge or deferred load is imposed when an investor redeems shares of a fund. The percentage of the load charged generally declines the longer the fund's shares are held by the investor. This charge, coupled with 12b-1 fees, commonly serves as an alternative to a traditional front-end load.

Expense Ratio %
The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Front-end Load %
The initial sales charge or front-end load is a deduction made from each investment in the fund and is generally based on the amount of the investment.

Maximum Redemption Fee %
The Maximum Redemption Fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase (for example, 30, 180, or 365 days).

Comparison of Fund Types
Funds, including closed-end funds, exchange-traded funds (ETFs), money market funds, open-end funds, and unit investment trusts (UITs), have many similarities, but also many important differences. In general, publicly offered funds are investment companies registered with the Securities and Exchange Commission under the Investment Company Act of 1940, as amended. Funds pool money from their investors and manage it according to an investment strategy or objective, which can vary greatly from fund to fund. Funds have the ability to offer diversification and professional management, but also involve risk, including the loss of principal.

Closed-End Funds:A closed-end fund is an investment company, which typically makes one public offering of a fixed number of shares. Thereafter, shares are traded on a secondary market. As a result, the secondary market price may be higher or lower than the closed-end fund's net asset value (NAV). If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. A closed-end mutual fund's expense ratio is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. Closed-end funds may also have 12b- 1 fees. Income distributions and capital gains of the closed-end fund are subject to income tax, if held in a taxable account.

Exchange-Traded Funds:An ETF is an investment company that typically has an

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investment objective of striving to achieve a similar return as a particular market index. The ETF will invest in either all or a representative sample of the securities included in the index it is seeking to imitate. Like closed-end funds, an ETF can be traded on a secondary market and thus have a market price higher or lower than its net asset value. If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. ETFs are not actively managed, so their value may be affected by a general decline in the U.S. market segments relating to their underlying indexes. Similarly, an imperfect match between an ETF's holdings and those of its underlying index may cause its performance to vary from that of its underlying index. The expense ratio of an ETF is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. ETFs do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable account are subject to income tax. In many, but not all cases, ETFs are generally considered to be more tax-efficient when compared to similarly invested mutual funds.

Money Market Funds:A money-market fund is an investment company that invests in commercial paper, banker's acceptances, repurchase agreements, government securities, certificates of deposit and other highly liquid securities, and pays money market rates of interest. Money markets are not FDIC-insured, may lose money, and are not guaranteed by a bank or other financial institution.

Open-End Funds: An open-end fund is an investment company that issues shares on a continuous basis. Shares can be purchased from the open-end mutual fund itself, or through an intermediary, but cannot be traded on a secondary market, such as the New York Stock Exchange. Investors pay the open-end mutual fund's current net asset value plus any initial sales loads. Net asset value is calculated daily, at the close of business. Open-end mutual fund shares can be redeemed, or sold back to the fund or intermediary, at their current net asset value minus any deferred sales loads or redemption fees. The expense ratio for an open-end mutual fund is an annual fee charged to a shareholder. It includes operating expenses and management fees but does not take into account any brokerage costs. Open-end funds may also have 12b-1 fees. Income distributions and capital gains of the open-end fund are subject to income tax, if held in a taxable account.

Unit Investment Trusts: A unit investment trust (UIT) is an investment company organized under a trust agreement between a sponsor and trustee. UITs typically purchase a fixed portfolio of securities and then sell units in the trust to investors. The major difference between a UIT and a mutual fund is that a mutual fund is actively managed, while a UIT is not. On a periodic basis, UITs usually distribute to the unit holder their pro rata share of the trust's net investment income and net realized capital gains, if any. If the trust is one that invests only in tax-free securities, then the income from the trust is also tax-free. UITs generally make one public offering of a fixed number of units. However, in some cases, the sponsor will maintain a secondary market that allows existing unit holders to sell their units and for new investors to buy units. A one-time initial sales charge is deducted from an investment made into the trust. UIT investors may also pay creation and development fees, organization costs, and/or trustee and operation expenses. UIT units may be redeemed by the sponsor at their net asset value minus a deferred sales charge and sold to other investors. UITs have set termination dates, at which point the underlying securities are sold and the sales proceeds are paid to the investor. Typically, a UIT investment is rolled over into successive trusts as part of a long-term strategy. A rollover fee may be charged for the exercise of rollover purchases. There are tax consequences associated with rolling over an investment from one trust to the next.

Comparison of Other Investment Types

Variable Annuities: Variable annuities are tax-deferred investments structured to convert a sum of money into a series of payments over time. Variable annuity policies have limitations and are not viewed as short-term liquid investments. An insurance company's fulfillment of a commitment to pay a minimum death benefit, a schedule of payments, a fixed investment account guaranteed by the insurance company, or another form of guarantee depends on the claims-paying ability of the issuing insurance company. Any such guarantee does not affect or apply to the investment return or principal value of the separate account and its subaccount. The financial ratings quoted for an insurance company do not apply to the separate account and its subaccount. The insurance company offering a variable annuity will charge several fees to investors, including annual contract charges that compensate the insurance company for the cost of maintaining and administering the variable annuity contract, mortality and expense risk (M&E Risk) charges based on a percentage of a subaccount's assets to cover costs associated with mortality and expense risk, and administration fees that are based on a percentage of a subaccount's assets to cover the costs involved in offering and administering the subaccount. A variable annuity investor will also be charged a front-end load by the insurance company on their initial contribution, ongoing fees related to the management of the fund, and surrender charges if the investor makes a withdrawal prior to a specified time. If the variable annuity subaccount is invested in a money-market fund, the money market fund is not FDIC-insured, may lose money, and is not guaranteed by a bank or other financial institution.

Variable Life Insurance: Variable life insurance is a cash-value life insurance that has a variable cash value and/or death benefit depending on the investment performance of the subaccount into which premium payments are invested. Unlike traditional life insurance, variable life insurance has inherent risks associated with it, including market volatility, and is not viewed as a short-term liquid investment. For more information on a variable life product, including each subaccount, please read the current prospectus. Please note, the financial ratings noted on the report are quoted for an insurance company and do not apply to the separate account and its subaccount. The insurance company offering a variable life contract will charge several fees to investors, including annual contract charges that compensate the insurance company for the cost of maintaining and administering the variable life contract, mortality and expense risk (M&E Risk) charges based on a percentage of a subaccount's assets to cover costs associated with mortality and expense risk, and administration fees that are based on a percentage of a subaccount's assets to cover the costs involved in offering and administering the subaccount. A variable life investor will also be charged a front-end load by the insurance company on their initial contribution, ongoing fees related to the management of the fund, and surrender charges if the investor makes a withdrawal prior to a specified time. If the variable life subaccount is invested in a money-market fund, the money market fund is not FDIC-insured, may lose money, and is not guaranteed by a bank or other financial institution.

Fixed Annuities: Fixed annuities have a predetermined rate of return an investor earns and a fixed income payout that is guaranteed by the issuing investment company and may be immediate or deferred. Payouts may last for a specific period or for the life of the investor. Investments in a deferred fixed annuity grow tax-deferred with income tax incurred upon withdrawal, and do not depend on the stock market. However, the insurance company's guaranteed rate of return and payments depends on the claims-paying ability of the insurance company. Fixed annuities typically do not have cost-of-living payment adjustments. Fixed annuities often have surrender charges if the event you need to withdraw your investment early. Fixed annuities are regulated by state insurance commissioners.

Fixed Indexed Annuities: Fixed indexed annuities, also called equity index annuities, are a combination of the characteristics of both fixed and variable annuities. Fixed indexed annuities offer a predetermined rate of return like a fixed annuity, but they also allow for participation in the stock market, like a

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variable annuity. Fixed indexed annuities are typically risker and offer the potential for greater return than fixed annuities, but less so than a variable annuity. Investments in a fixed indexed annuity grow tax-deferred with income tax incurred upon withdrawal. The insurance company's guaranteed rate of return and ability to make payments depends on the claims-paying ability of the insurance company. While fixed indexed annuities may limit an investor's gains in an up market, they are also designed to help limit losses in a down market. Fixed indexed annuities can be complicated and an investor in a fixed indexed annuity should carefully read the insurance company's offering material to understand how a specific annuity's return will be determined. Fixed indexed annuities often have surrender charges in the event you need to withdraw your investment early and are regulated by state insurance commissioners.

Stock (Equity): A stock is an ownership interest in a company. When an investor purchases a stock, they become a business owner, and the value of their ownership stake will rise and fall according to the underlying business. Stockholders are entitled to the profits, if any, generated by the company after everyone else – employees, vendors, lenders – get paid. Companies usually pay out their profits to investors in the form of dividends, or they reinvest the money back into the business. Stocks trade on exchanges throughout the day, through a brokerage firm who will charge a commission for the purchase or sale of shares. Income distributions and capital gains of the stock are subject to income tax upon their sale, if held in a taxable account.

Bond (Debt, Fixed Income): A bond is a debt security. When an investor purchases a bond, the purchase amount is lent to a government, municipality, corporation or other entity known as an issuer. The issuer promises to pay a specified rate of interest during the life of the bond and repay the face value of the bond when it matures. U.S Treasuries can be purchased directly from the Treasury or through a brokerage firm. Most other newly issued bonds are offered through an underwriter. Older bonds are traded throughout the day on the secondary market and can be purchased through a brokerage firm, who will charge transaction fees and commission for the purchase or sale. Price evaluations are provided by Interactive Data Corporation (IDC).

Preferred Stock: Preferred stock usually offers a fixed dividend payment, which is paid out before variable dividends that may be paid to investors in a company's common stock. Therefore, preferred stock is typically less risky in terms of principal loss, but there is also less potential for return when compared to a company's common stock. If a company fails, their obligations to preferred stockholders must be met before those of the company's common stockholders, but after bondholders are reimbursed.

Separate Accounts: A separate account is a portfolio of securities (such as stocks, bonds, and cash) that follows a specified investment strategy and is managed by an investment professional (typically referred to as a separate account manager). Separate accounts are unregistered investment vehicles; therefore, they do not have the same performance and holding reporting responsibilities that registered securities have. The securities in a separate account portfolio are directly owned by the separate account's owner. As such, investors in the same separate account may have slightly different portfolio holdings because each investor has customized account needs, tax considerations and security preferences.

Models: A model, as defined by Morningstar, is a portfolio of securities such as mutual funds, ETFs, and cash created by your financial professional (a "Financial Professional-Created Model) or an investment manager such as a broker-dealer, investment adviser, or asset manager (collectively referred to as a model manager) that is distributed through centralized platforms to various types of investors or financial professionals. Models created by model managers do not take into account the investment objectives, financial situation, or particular needs of any specific investor. A model is intended to provide information to assist investors in making their own investment decisions; investors must exercise their own independent judgment as to the suitability of a model and its holdings in light of their own investment objectives, experience, taxation status, and financial position.

The performance of a model or its underlying holdings, or that a model's objective will be achieved, are not guaranteed. An investor using a model can incur a loss. Unless the model manager and an investor enter in an agreement stating otherwise, the model manager is not responsible for an investors decision to invest in accordance with a model, the suitability of the model for a specific investor, or trading decisions, and does not manage or have access to the investor account. Instead, the investor or their financial professional chooses whether and how to implement the model and is ultimately responsible for related investment decisions. If an investor chooses to invest in accordance with a model, the securities in the account are directly owned by the investor. Models are not registered investment vehicles; therefore, they do not have the same performance and holding reporting responsibilities that registered securities have.

Before using a model as an investment template, investors should obtain the disclosure documents and other relevant information about the model manager and the model, including any material conditions, objectives, or strategies used to obtain the performance provided or whether the performance provided does not relate to all potential investors and how this impacts the performance shown. Investors should inquire whether the objective or strategy of the model changed materially during the time period shown in this report, and the effect of those changes. If the model manager offers this same strategy in other forms such as a separate account, a fund, or as a discretionary investment manager , investors should compare the performance shown here to that obtained by the manager's clients.

Collective Investment Trusts: A collective investment trust (CIT) may also be called a commingled or collective fund. CITs are tax-exempt, pooled investment vehicles maintained by a bank or trust company exclusively for qualified plans, including 401(k)s, and certain types of government plans. CITs are unregistered investment vehicles subject to banking regulations of the Office of the Comptroller of the Currency (OCC), which means they are typically less expensive than other investment options due to lower marketing, overhead, and compliance-related costs. CITs are not available to the general public but are managed only for specific retirement plans.

529 Portfolios: A 529 Portfolio is a specific portfolio of securities created from a 529 plan's available investments. In general, the data presented for a 529 Portfolio uses a weighted average of the underlying holdings in the portfolio. Most 529 plans are invested in open-end mutual funds; however, other investment types are possible such as stable value funds, certificates of deposit, and separate accounts.

Before investing, an investor should consider whether the investor's or designated beneficiary's home state offers any state tax or other state benefits such as financial aid, scholarship funds, and protection from creditors that are only available for investments in such state's 529 qualified tuition program.

Offshore Funds: Offshore funds are funds domiciled in a country outside the one the investor resides in. Many banks have offshore subsidiaries that are under the standards and regulations of the particular country, which can vary considerably. Companies may establish headquarters offshore because of lower tax rates. Offshore funds are not regulated by the SEC and may have tax implications.

Hedge Funds: Hedge funds are aggressively managed portfolios which make extensive use of unconventional investment tools such as derivatives as well as

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long and short positions. Managers of hedge-funds typically focus on specific areas of the market and/or trading strategies. Strategies may include the use of arbitrage, derivatives, leverage, and short selling, and may hold concentrated positions or private securities, which can make them risker than other investment types.

Hedge funds are typically pooled investment vehicles available to sophisticated investors that meet high investing minimums. Many hedge funds are unregistered and are not subject to the same regulations as registered investment vehicles, such as mutual funds. Funds of hedge funds are pooled investment vehicles that invest in multiple unregistered hedge funds and may be registered with the SEC. Registered funds of hedge funds typically have lower investment minimums than hedge funds, but they are usually not registered on an exchange and can be illiquid. Fund of hedge fund fees are generally higher than those of other pooled investments (like mutual funds) and may have tax consequences.

Cash: Cash is a short-term, highly liquid investment. Cash typically doesn't earn as much as other investments, such as stocks or bonds, but is less risky.

Benchmark or Indexes: Benchmark or Indexes: Benchmarks or indexes are unmanaged and not available for direct investment. Indexes are created to measure a specified area of the stock market using a representative portfolio of securities. If a security is not available in Morningstar's database, your financial professional may choose to show a representative index. Please note that indexes vary widely, and it is important to choose an index that has similar characteristics to the security it is being used to represent. In no way should the performance of an index be considered indicative or a guarantee of the future performance of an actual security, be considered indicative of the actual performance achieved by a security or viewed as a substitute for the actual security in your portfolio. Actual results of a security may differ substantially from the historical performance shown for an index and may include an individual client incurring a loss. Past performance is no guarantee of future results. For additional information, see the Benchmark Disclosure in this report.

Morningstar Category: Morningstar assigns each security in its database to a Morningstar Category using the underlying securities in the security's portfolio. If a security is not available in Morningstar's database, your financial professional may choose to show the security's category. Please note that a category will not be an exact match to your securities. In no way should the performance of a category be considered indicative or a guarantee of the future performance of an actual security, be considered indicative of the actual performance achieved by a security or viewed as a substitute for the actual security in your portfolio. Actual results of a security may differ substantially from the historical performance shown for a category and may include an individual client incurring a loss. Past performance is no guarantee of future results.

Structured Products: Structured products are unsecured debt securities of an issuer that are linked to the performance of an underlying asset, such as a security, basket of securities, index, commodity, interest rate, yield, exchange rate, debt issuance, or a foreign currency or a combination of these assets. Structured products are typically the combination of a note (or other corporate bond) and a derivative (such as an option). Structured products include range accruals, trigger notes, dual directionals, barriers, buffers, and income notes.

Structured products are generally designed to be held until maturity and are not intended for short-term trading. Structured products may not be appropriate for investors seeking current income, as they may not pay interest or the interest they pay may vary in amount or timing. It may be possible to lose the entire amount of principal invested in a structured product. Some structured products result in the investor owning the underlying asset at maturity.

Each structured product may differ greatly from another structured product. Some offer full principal protection while others offer limited or no protection. The note portion of the structured product may pay regular interest payments, interest payments that vary according to certain conditions, or may not pay interest at all. Investors should be aware of any attributes related to limits on the upside or downside potential of returns, call options, income, risk reduction strategies, early termination events, tax consequences, and market events that impact the structured product or its underlying asset. Before investing in a structured product, investors should carefully read its offering documents and make sure they fully understand the specific terms and conditions for that product.

Investors should fully understand the underlying assets upon which a structured product is based on and how events that affect the underlying assets, like mergers or rebalances, may affect the structured product. The return on a structured product may not align with its underlying asset. The structured product may not provide a return, and/or the return may be significantly less than what an investor could have received by investing directly in the underlying asset or other security. Underlying assets are subject to market and other risks that may impact the structured product. Structured products are complex and may use advanced trading techniques such as leverage, options, futures, swaps, and other derivatives which lead to additional risks. Investing in a structured product should not be compared to investing in the underlying asset, as the features and risks may differ significantly.

As unsecured debt securities, structured products are not backed by collateral and they are subject to the creditworthiness of the issuer to make interest payments and repay principal. If the issuer of a structured product were to default or go into bankruptcy, an investor may lose some or all of their invested principal. An investor should carefully consider the credit rating, financial condition, and stability of the issuer before investing in a structured product, however, the credit rating of the issuer is not a reflection of the risk of the structured product or its underlying asset.

Structured products may not be listed on a national securities exchange and those that are may be thinly traded. A structured product's issuer may maintain a secondary market but is not required to do so. Even if a secondary market is maintained, an investor may not be able to sell the structured product prior to maturity and is unlikely to receive the full amount invested. An investor should be prepared to hold a structured product until maturity.

As structured products are typically not traded on a national securities exchange and they are linked to an underlying asset, it is difficult to value a structured product.

Structured products may use barriers, caps, participation rates, or other limits that impact their return potential. Certain structured products may not offer any return if a barrier is crossed or certain thresholds are reached. Caps impose maximum return limits, regardless of the return reached by the underlying asset. Participation rates limit the amount of return an investor can realize.

The costs and fees of a structured product are typically included within the product and will vary.

Structured products have an uncertain tax treatment due to limited guidance. The Internal Revenue Service may change how structured products are treated at any time. Investors should consult with a tax financial professional prior to investing in a structured product.

Important Note: In this report, if a structured product is included, it is reflected as a 100% allocation to bonds. No return information, fees or risk, return, or portfolio statistics for a structured product are included in the data shown in this

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report.

Mutual Fund Detail Report Disclosure Statement - Advisory Portfolio

The Mutual Fund Detail Report for Advisory Portfolios provides supplemental information about a fund currently underlying, or proposed for, your advisory portfolio. Your financial professional can provide you with information and disclosures about the advisory portfolio and/or other investment options underlying or proposed for the portfolio. The fund's current prospectus or an equivalent statement includes additional information and should be read carefully. In all cases, this disclosure statement should accompany the Mutual Fund Detail Report.

All data presented is based on the most recent information available to Morningstar as of the release date and may or may not be an accurate reflection of current data for securities included in the fund's portfolio. There is no assurance that the data will remain the same.

Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and exchange-traded funds as separate groups. Each group contained a subset of the current investments included in our current comparative analysis. In this report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology.

Most Morningstar rankings do not include any adjustment for one-time sales charges, or loads. Morningstar does publish load-adjusted returns, and ranks such returns within a Morningstar Category in certain reports. The total returns for ETFs and fund share classes without one-time loads are equal to Morningstar's calculation of load-adjusted returns. Share classes that are subject to one-time loads relating to advice or sales commissions have their returns adjusted as part of the load-adjusted return calculation to reflect those loads.

General Disclosures

These disclosures provide you (the investor) and your financial professional with important information regarding the key terms, criteria, methodology, assumptions, risks and limitations presented in this report.

There are many resources available to assist you and your financial professional with evaluating a particular investment or investment strategy. This report, alone, should not be used to make an investment decision. Investing involves numerous risks, and there is always the potential of losing money. You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Your financial professional may provide you with investment advisory services, brokerage services or both. Those services and fees differ; therefore, it is important for you to understand the differences. Free and simple tools are available to research firms and financial professionals at the SEC's investor education website, Investor.gov/CRS, which also provides educational materials about investment advisers, broker/dealers, and investing. You should carefully read the information provided by your financial professional that more fully describes the services, fees, costs, and conflicts of interest specific to your financial professional and situation.

This report is being presented as "extracted performance" (defined below) of an advisory portfolio. Financial professionals who offer investment advisory services typically include an annual advisory fee (which may be referred to as an "Annual Fee", "Annual Asset-Based Advisory Fee", or "Advisory Fee" in this report and its disclosures) in net performance calculations.

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The underlying holdings of the portfolio are not federally or FDIC insured and are not deposits or obligations of, or guaranteed by, any financial institution. Investment in securities involve investment risks including possible loss of principal and fluctuation in value.

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You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Investment Performance Disclosures

It is important that you understand the risks and limitations of using investment performance returns in making investment decisions. The performance data given represents past performance and should not be considered indicative of future results. Furthermore, fees, expenses, and other costs, including any applicable trading commissions, short-term fees, or taxes, negatively impact investment performance return. The purpose of including such fees and expenses is to illustrate the effect they have on investment returns for the time periods shown. For additional information, please refer to the Fee Schedule (if applicable) and related disclosures contained in this report and those provided by your financial professional.

Gross and Net Performance Returns and Fee Types

Gross performance is calculated before the deduction of all fees and expenses an investor paid in connection with advisory fees, brokerage commissions or other expenses. If included, these fees would reduce the gross performance shown. A "net" return is calculated over the same time period, using the same type of return and calculation methodology as the "gross" return. The impact of fees and expenses paid in connection with your portfolio's advisory services will be reflected in the "net" return calculation. The purpose of showing net performance is to demonstrate the impact of fees and expenses on performance returns.

For example, if the one-year investment performance return before any fees (referred to as true gross return) was 10% and the investment was assessed an annual advisory fee of 1.50% that was deducted monthly, the fee would reduce

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the one-year performance to approximately 8.36%. Any taxes, expenses, costs and/or other fees not included would decrease the performance further. You should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions. Additional information on the types of fees, time periods, types of returns, and calculation methodologies that may be used in this report is further provided below.

Your financial professional can provide you with further information about how net performance was calculated for this report.

You should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions.

You should refer to the disclosure document of the separate account manager, model manager, and/or your financial professional, as applicable, for specific information regarding fees and expenses and discuss with your financial professional the methodologies used to calculate the performance returns reflected in this report.

Performance Return Time Periods

Performance returns are presented for, at least, the one-, five, and ten-year periods, unless the life (or inception) of the investment is shorter, then the life (or inception) period is substituted for the relevant time period or the investment-level performance returns are hypothetical. For additional information on hypothetical performance returns, see disclosures below.

Performance for periods longer than one year is annualized based on the number of years. Performance for periods less than one year is cumulative, based on the number of days between the start and end dates.

Types of Performance Returns

The following further describes the criteria, methodology, assumptions, risk and limitations used in calculating various types of investment performance returns that may be presented in this report. It may be inappropriate to compare the different types of investment performance returns and you should consult with your financial professional to discuss these differences.

Extracted Performance: Extracted performance means the performance results of one or a subset of investments extracted from a portfolio, this includes performance attribution. The performance results of the total portfolio from which the performance was extracted may be obtained by contacting your financial professional.

Hypothetical Performance Returns: Hypothetical performance is investment performance returns not actually achieved by any portfolio of the financial professional. Hypothetical performance may include, but is not limited to, model performance returns, backtested performance returns, targeted or projected performance returns, and/or pre-inception returns. Additional information on these types of hypothetical performance is further provided in these disclosures.

Hypothetical performance returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. Hypothetical performance returns are based on historic economic and market assumptions and the investment and planning assumptions selected by you or your financial professional. Actual performance returns will vary. If required under applicable regulation, our financial professional has determined that you have the resources and financial expertise to understand the risks and limitations of using such hypothetical performance returns in making investment decisions. Hypothetical performance returns do not reflect actual trading and may not reflect the impact that material economic and market factors had on the decision-making process for this portfolio. For example, the ability to withstand losses or adhere to a particular investment strategy in spite of losses are material points which can also adversely affect markets in general or the implementation of any specific investment or investment strategy.

Predecessor Performance: Predecessor performance means investment performance achieved by a group of investments consisting of an account (or a private fund) that was not advised at all times during the period by the investment adviser reporting the performance. Additional information may be obtained by contacting your financial professional.

Pre-Inception Returns: Pre-inception returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. The analysis in this report may be based, in part, on adjusted historical returns for periods prior to the inception of the share class of the fund shown in this report ("Report Share Class"). If pre-inception returns are shown, a performance stream consisting of the Report Share Class and older share class(es) is created. Morningstar adjusts pre-inception returns downward to reflect higher expenses in the Report Share Class, we and does not hypothetically adjust returns upwards for lower expenses. For more information regarding calculation of pre-inception returns please see the Morningstar Extended Performance Methodology.

When pre-inception data is presented in the report, the header at the top of the report will indicate this. In addition, the pre-inception data included in the report will appear in italics.

While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. For example, the fee structures of a retail share class will vary from that of an institutional share class, as retail shares tend to have higher operating expenses and sales charges. These adjusted historical returns are not actual returns. The underlying investments in the share classes used to calculate the pre-performance string will likely vary from the underlying investments held in the fund after inception. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.

Calculation Methodologies

Investment returns are time-weighted total returns, which measures the performance of the security during an interval (for example, daily or monthly) and then geometrically links the interval performance together to produce a return for a stated period. The returns assume the reinvestment of all income (in the form of dividends or interest payments) and capital gains distributions, and are adjusted to reflect ongoing fund expenses and advisory fees. The ongoing fund expenses include management, administrative, 12b-1 fees, and other costs that are deducted from assets. Returns are not adjusted for sales charges (such as front-end or deferred loads), redemption fees, or to reflect the effects of taxation. If such charges, fees, and the effects of taxation were included, they would reduce the performance quoted.

Investment adviser representatives typically include an annual advisory fee, but such fees are generally not applicable to broker/dealer representatives who charge fees based on specific trades. The advisory fees are referred to as "Asset-Based Fees" and/or "Annual Fee" in this report. The Annual Fee percentage is input by your financial professional, and it is quoted annually and calculated monthly, assuming sale of shares payment at the month end. Inception month assumes full month advisory fees.

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The index benchmark does not reflect expenses, advisory fees or sales charges. The category average does not reflect advisory fees or sales charges. The index is an unmanaged portfolio of specified securities and cannot be invested in directly. A fund's portfolio may differ significantly from the securities in the index. The index is chosen by Morningstar.

Risk and Return Statistics
Risk measures (such as alpha, beta, R-squared, standard deviation, mean, or Sharpe ratio) are calculated for securities or portfolios that have at least a three-year history. MPT statistics (Alpha, Beta, R-Squared) are derived from investment returns adjusted for advisory fees.

Interactive Analysis Tool Disclosures
The purpose of an interactive analysis tool ("IA Tool") is to establish a clear understanding between an investor and a financial professional as to the investment goals and policies applicable to the investor's investment portfolio. If this report was generated from the use of an IA Tool, it was prepared by you (the investor) or in direct consultation between you and your financial professional to establish reasonable objectives and guidelines in the investment of the investor's assets, set forth a target portfolio indicative of the risk levels, allocations and return targets that the investor's assets will typically be invested to achieve. The customized investment strategy and target portfolio allocation illustrated for you are approximate based on individual cash requirements, re-balancing tolerance, economic and market conditions. This has been developed from an evaluation of many key factors which impact the investor's specific situation, risk tolerance and investment objectives. This is only a summary of the investment philosophy that the financial professional may seek to pursue on your behalf.

Use of an IA Tool: If this report was generated from the use of an IA Tool, this report includes simulated analyses including certain limitations and assumptions, that present the likelihood of various outcomes of an investment in the offered strategy. IA Tools alone cannot determine which securities to buy or sell, or which investment strategy to invest in. **IMPORTANT: The projections or other information generated regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results and are not guarantees of future results.** All such analyses, projections and estimates in this presentation were prepared solely by you and/or your financial professional and not by any other person. Please note that results may vary with each use of the tool and over time, reflecting any changed circumstances, assumptions or variables upon which the analysis is based.

Also note that the analysis provided by the IA Tool relates only to the investments and investment strategy(ies) presented in this report or shown in the IA Tool, other investments and strategies not considered may have characteristics similar or superior to those being analyzed. Please contact your financial professional if you would like to request alternative analyses using the IA Tool, based on different assumptions and inputs than those described in this report.

12b1 Expense %
A 12b-1 fee is a fee used to pay for a mutual fund's distribution costs. It is often used as a commission to brokers for selling the fund. The amount of the fee is taken from a fund's returns.

Alpha
Alpha is a measure of the difference between a security or portfolio's actual returns and its expected performance, given its level of risk (as measured by beta.) Alpha is often seen as a measure of the value added or subtracted by a portfolio manager.

Asset Allocation
Asset Allocation reflects asset class weightings of the portfolio. The "Other" category includes security types that are not neatly classified in the other asset classes, such as convertible bonds and preferred stocks, or cannot be classified by Morningstar as a result of missing data. Morningstar may display asset allocation data in several ways, including tables or pie charts. In addition, Morningstar may compare the asset class breakdown of the fund against its three-year average, category average, and/or index proxy.

Asset allocations shown in tables may include a breakdown among the long, short, and net (long positions net of short) positions. These statistics summarize what the fund's managers are buying and how they are positioning the fund's portfolio. When short positions are captured in these portfolio statistics, investors get a more robust description of the fund's exposure and risk. Long positions involve buying the security outright and selling it later, with the hope the security's price rises over time. Short positions are taken with the hope of benefitting from anticipated price declines. The investor borrows the security from another investor, sells it and receives cash, and then is obligated to buy it back at some point in the future. If the price falls after the short sale, the investor will have sold high and can buy low to close the short position and lock in a profit. However, if the price of the security increases after the short sale, the investor will experience a loss buying it at a higher price than the sale price.

Most fund portfolios hold fairly conventional securities, such as long positions in equities and bonds. Morningstar may generate a colored pie chart for these portfolios. Other portfolios use other investment strategies or securities, such as short positions or derivatives, in an attempt to reduce transaction costs, enhance returns, or reduce risk. Some of these securities and strategies behave like conventional securities, while other have unique return and risk characteristics. Portfolios that incorporate investment strategies resulting in short positions or portfolio with relatively exotic derivative positions often report data to Morningstar that does not meet the parameters of the calculation underlying a pie chart's generation. Because of the nature of how these securities are reported to Morningstar, we may not always get complete portfolio information to report asset allocation. Morningstar, at its discretion, may determine if unidentified characteristics of fund holdings are material. Asset allocation and other breakdowns may be rescaled accordingly so that percentages total to 100 percent. (Morningstar used discretion to determine if unidentified characteristics of fund holdings are material, pie charts and other breakdowns may rescale identified characteristics to 100% for more intuitive presentation.)

Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the fund only.

Average Effective Duration
Duration is a time measure of a bond's interest-rate sensitivity. Average effective duration is a weighted average of the duration of the fixed-income securities within a portfolio.

Average Effective Maturity
Average Effective Maturity is a weighted average of the maturities of all bonds in a portfolio.

Average Weighted Coupon
A coupon is the fixed annual percentage paid out on a bond. The average weighted coupon is the asset-weighted coupon of each bond in the portfolio.

Average Weighted Price

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Average Weighted Price is the asset-weighted price of bonds held in a portfolio, expressed as a percentage of par (face) value. This number reveals if the portfolio favors bonds selling at prices above or below par value (premium or discount securities respectively.)

Best Fit Index
Alpha, beta, and R-squared statistics are presented for a broad market index and a "best fit" index. The Best Fit Index identified in this report was determined by Morningstar by calculating R-squared for the fund against approximately 100 indexes tracked by Morningstar. The index representing the highest R-squared is identified as the best fit index. The best fit index may not be the fund's benchmark, nor does it necessarily contain the types of securities that may be held by the fund or portfolio.

Beta
Beta is a measure of a security or portfolio's sensitivity to market movements (proxied using an index.) A beta of greater than 1 indicates more volatility than the market, and a beta of less than 1 indicates less volatility than the market.

Credit Quality Breakdown
Credit Quality breakdowns are shown for corporate-bond holdings in the fund's portfolio and depict the quality of bonds in the underlying portfolio. It shows the percentage of fixed-income securities that fall within each credit-quality rating as assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). Bonds not rated by an NRSRO are included in the Other/Not-Classified category.

Expense Ratio %
The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Geometric Average Market Capitalization
Geometric Average Market Capitalization is a measure of the size of the companies in which a portfolio invests.

Growth of 10,000
Growth of 10,000 graph compares the growth of an investment of 10,000 (in the base currency of the fund) with that of an index and/or with that of the average for all funds in its Morningstar Category. If pre-inception data is included in the analysis, it will be graphed. Fund market value in the graph is reduced when shares are sold to pay advisory fees. Unlike fund, index benchmark or category average market values are not impacted by advisory fees.

Management Fees %
The management fee includes the management and administrative fees listed in the Management Fees section of a fund's prospectus. Typically, these fees represent the costs shareholders paid for management and administrative services over the fund's prior fiscal year.

Mean
Mean is the annualized geometric return for the period shown.

Morningstar Medalist Rating™
The Morningstar Medalist Rating is the summary expression of Morningstar's forward-looking analysis of investment strategies as offered via specific vehicles using a rating scale of Gold, Silver, Bronze, Neutral, and Negative. The Medalist Ratings indicate which investments Morningstar believes are likely to outperform a relevant index or peer group average on a risk-adjusted basis over time. Investment products are evaluated on three key pillars (People, Parent, and Process) which, when coupled with a fee assessment, forms the basis for Morningstar's conviction in those products' investment merits and determines the Medalist Rating they're assigned. Pillar ratings take the form of Low, Below Average, Average, Above Average, and High. Pillars may be evaluated via an analyst's qualitative assessment (either directly to a vehicle the analyst covers or indirectly when the pillar ratings of a covered vehicle are mapped to a related uncovered vehicle) or using algorithmic techniques. Vehicles are sorted by their expected performance into rating groups defined by their Morningstar Category and their active or passive status. When analysts directly cover a vehicle, they assign the three pillar ratings based on their qualitative assessment, subject to the oversight of the Analyst Rating Committee, and monitor and reevaluate them at least every 14 months. When the vehicles are covered either indirectly by analysts or by algorithm, the ratings are assigned monthly. For more detailed information about the Medalist Ratings, including their methodology, please go to https://global.morningstar.com/managerdisclosures .

The Morningstar Medalist Ratings are not statements of fact, nor are they credit or risk ratings. The Morningstar Medalist Rating (i) should not be used as the sole basis in evaluating an investment product, (ii) involves unknown risks and uncertainties which may cause expectations not to occur or to differ significantly from what was expected, (iii) are not guaranteed to be based on complete or accurate assumptions or models when determined algorithmically, (iv) involve the risk that the return target will not be met due to such things as unforeseen changes in changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rates, exchange rate changes, and/or changes in political and social conditions, and (v) should not be considered an offer or solicitation to buy or sell the investment product. A change in the fundamental factors underlying the Morningstar Medalist Rating can mean that the rating is subsequently no longer accurate.

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Morningstar Category
Morningstar Category is assigned by placing funds into peer groups based on their underlying holdings. The underlying securities in each portfolio are the primary factor in our analysis as the investment objective and investment strategy stated in a fund's prospectus may not be sufficiently detailed for our proprietary classification methodology. Funds are placed in a category based on their portfolio statistics and compositions over the past three years. Analysis of performance and other indicative facts are also considered. If the fund is new and has no portfolio history, Morningstar estimates where it will fall before giving it a permanent category assignment. Categories may be changed based on recent changes to the portfolio.

Morningstar Rank
Morningstar Rank is the total return percentile rank within each Morningstar Category. The highest (or most favorable) percentile rank is zero and the lowest (or least favorable) percentile rank is 100. Historical percentile ranks are based on a snapshot of a fund at the time of calculation.

Morningstar Rating™
The Morningstar Rating™ for funds, or "star rating", is calculated for funds and

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separate accounts with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. For more information about the Morningstar Rating for funds, including its methodology, please go to global.morningstar.com/managerdisclosures

Morningstar Return

The Morningstar Return rates a fund's performance relative to other managed products in its Morningstar Category. It is an assessment of a product's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison with the products in its Morningstar category. In each Morningstar category, the top 10% of products earn a High Morningstar Return (High), the next 22.5% Above Average (+Avg), the middle 35% Average (Avg), the next 22.5% Below Average (-Ave), and the bottom 10% Low (Low). Morningstar Return is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Morningstar Risk

Morningstar Risk evaluates a fund's downside volatility relative to that of other products in its Morningstar Category. It is an assessment of the variations in monthly returns, with an emphasis on downside variations, in comparison with the products in its Morningstar category. In each Morningstar category, the 10% of products with the lowest measured risk are described as Low Risk (Low), the next 22.5% Below Average (-Avg), the middle 35% Average (Avg), the next 22.5% Above Average (+Avg), and the top 10% High (High). Morningstar Risk is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Style Analysis

The Morningstar Style Box reveals a fund's investment style as of the date noted on this report.

For equity funds, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened cell in the style box matrix indicates the weighted average style of the portfolio.

For portfolios holding fixed-income investments, a Fixed Income Style Box is calculated. The vertical axis shows the credit quality based on credit ratings and the horizontal axis shows interest-rate sensitivity as measured by effective duration. There are three credit categories- "High", "Medium", and "Low; and there are three interest rate sensitivity categories- "Limited", "Moderate", and "Extensive" resulting in nine possible combinations. As in the equity Style Box the combination of credit and interest rate sensitivity for a portfolio is represented by a darkened cell in the matrix.

Morningstar uses credit rating information from credit rating agencies (CRA's) that have been designated Nationally Recognized Statistical Rating Organizations (NRSRO's) by the Securities and Exchange Commission (SEC) in the United States. For a list of all NRSROs, please visit https://www.sec.gov/ocr/ocr-learn-nrsros.html. Additionally, Morningstar will use credit ratings from CRA's which have been recognized by foreign regulatory institutions that are deemed the equivalent of the NRSRO designation.

To determine the rating applicable to a holding and the subsequent holding weighted value of a portfolio two methods may be employed. First is a common methodology approach where if a case exists such that two rating organizations/ agencies have rated a holding, the lower rating of the two should be applied; if three or more CRA's have rated a holding the median rating should be applied, and in cases where there are more than two ratings and a median rating cannot be determined the lower of the two middle ratings should be applied. Alternatively, if there is more than one rating available an average can be calculated from all and applied. Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. Credit ratings for any security held in a portfolio may change over time.

Morningstar uses the credit rating information to calculate a weighted-average credit quality value for the portfolio. This value is based only upon those holdings which are considered to be classified as "fixed_income", such as government, corporate, or securitized issues. Other types of holdings such as equities and many, though not all, types of derivatives are excluded. The weighted-average credit quality value is represented by a rating symbol which corresponds to the long-term rating symbol schemas employed by most CRA's. Note that this value is not explicitly published but instead serves an input in Style Box calculation. This symbol is then used to map to a Style Box credit quality category of "low," "medium," or "high". Funds with a "low" credit quality category are those whose weighted-average credit quality is determined to be equivalent to the commonly used High Yield classification, meaning a rating below "BBB", portfolios assigned to the "high" credit category have either a "AAA" or "AA+" average credit quality value, while "medium" are those with an average rating of "AA" inclusive to "BBB-". It is expected and intended that the majority of portfolios will be assigned a credit category of "medium".

For assignment to an interest-rate sensitivity category Morningstar uses the average effective duration of the portfolio. From this value there are three distinct methodologies employed to determine assignment to category. Portfolios which are assigned to Morningstar municipal-bond categories employ static breakpoints between categories. These breakpoints are "Limited" equal to 4.5 years or less,; (ii) "Moderate" equal to 4.5 years to less than 7 years, and "Extensive" equal to more than 7 years. For portfolios assigned to Morningstar categories other than U.S> Taxable, including all domiciled outside the United States, static duration breakpoints are also used. The values differ from the municipal category values, : (i) "Limited" equals less than or equal to 3.5 years, "Moderate" equals greater than 3.5 years but less than or equal to 6 years, "Extensive" is assigned to portfolios with effective durations of more than 6 years. Note: Interest-rate sensitivity for non-U.S. domiciled portfolios (excluding those in Morningstar convertible categories) may be assigned using average modified duration when average effective duration is not available.

For portfolios Morningstar classifies as U.S Taxable Fixed-Income, interest-rate sensitivity category assignment is based on the effective duration of the Morningstar Core Bond Index (MCBI). The classification assignment is dynamically determined relative to the benchmark index value. A "Limited" category will be assigned to portfolios whose average effective duration is between 25% to 75% of MCBI average effective duration, where the average effective duration is between 75% to 125% of the MCBI the portfolio will be classified as "Moderate", and those portfolios with an average effective duration value 125% or greater of the average effective duration of the MCBI will be classified as "Extensive".

P/B Ratio TTM

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The Price/Book Ratio (or P/B Ratio) for a fund is the weighted average of the P/B Ratio of the stocks in its portfolio. Book value is the total assets of a company, less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company's book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

P/C Ratio TTM
The Price/Cash Flow Ratio (or P/C Ratio) for a fund is the weighted average of the P/C Ratio of the stocks in its portfolio. The P/C Ratio of a stock represents the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

P/E Ratio TTM
The Price/Earnings Ratio (or P/E Ratio) for a fund is the weighted average of the P/E Ratios of the stocks in its portfolio. The P/E Ratio of a stock is the stock's current price divided by the company's trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company's earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such stocks have an overlooked or undervalued potential for appreciation.

Percentile Rank in Category
Percentile Rank is a standardized way of ranking items within a peer group, in this case, funds within the same Morningstar Category. The observation with the largest numerical value is ranked zero the observation with the smallest numerical value is ranked 100. The remaining observations are placed equal distance from one another on the rating scale. Note that lower percentile ranks are generally more favorable for returns (high returns), while higher percentile ranks are generally more favorable for risk measures (low risk).

Performance Quartile
Performance Quartile reflects a fund's Morningstar Rank.

Potential Capital Gains Exposure
Potential Capital Gains Exposure is an estimate of the percent of a fund's assets that represent gains. It measures how much the fund's assets have appreciated, and it can be an indicator of possible future capital gains distributions. A positive potential capital gains exposure value means that the fund's holdings have generally increased in value while a negative value means that the fund has reported losses on its book.

R-Squared
R-squared is the percentage of a security or portfolio's return movements that are explained by movements in its benchmark index, showing the degree of correlation between the security or portfolio and the benchmark. This figure is helpful in assessing how likely it is that beta and alpha are statistically significant. A value of 1 indicates perfect correlation between the security or portfolio and its benchmark. The lower the R-squared value, the lower the correlation.

Regional Exposure
The regional exposure is a display of the portfolio's assets invested in the regions shown on the report.

Sector Weightings
Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector generally have betas that are close to 1.

Share Change
Shares Change represents the number of shares of a stock bought or sold by a fund since the previously reported portfolio of the fund.

Sharpe Ratio
Sharpe Ratio uses standard deviation and excess return (a measure of a security or portfolio's return in excess of the U.S. Treasury three-month Treasury Bill) to determine the reward per unit of risk.

Standard Deviation
Standard deviation is a statistical measure of the volatility of the security or portfolio's returns. The larger the standard deviation, the greater the volatility of return.

ETF Detail Report Disclosure Statement - Advisory Portfolio

The Exchange-Traded Fund (ETF) Detail Report for Advisory Portfolios provides supplemental information about a fund currently underlying, or proposed for, your advisory portfolio. Your financial professional can provide you with information and disclosures about the advisory portfolio and/or other investment options underlying or proposed for the portfolio. The fund's current prospectus or an equivalent statement includes additional information and should be read carefully. In all cases, this disclosure statement should accompany the ETF Fund Detail Report.

All data presented is based on the most recent information available to Morningstar as of the release date and may or may not be an accurate reflection of current data for securities included in the fund's portfolio. There is no assurance that the data will remain the same. The market price noted on the ETF Detail Report is the price of the fund as of the close of trading on the last business day at month-end. This date is listed at the top of the ETF Detail Report.

Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and exchange-traded funds as separate groups. Each group contained a subset of the current investments included in our current comparative analysis. In this report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology.

Most Morningstar rankings do not include any adjustment for one-time sales charges, or loads. Morningstar does publish load-adjusted returns, and ranks such returns within a Morningstar Category in certain reports. The total returns for ETFs and fund share classes without one-time loads are equal to Morningstar's calculation of load-adjusted returns. Share classes that are subject to one-time loads relating to advice or sales commissions have their returns adjusted as part of the load-adjusted return calculation to reflect those loads.

An ETF is an investment company that typically has an investment objective of striving to achieve a similar return as a particular market index. The ETF will

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invest in either all or a representative sample of the securities included in the index it is seeking to imitate. An ETF can be traded on a secondary market and thus have a market price that may be higher or lower than its net asset value. If these shares trade at a price above their NAV, they are said to be trading at a premium. Conversely, if they are trading at a price below their NAV, they are said to be trading at a discount. ETFs are not actively managed, so their value may be affected by a general decline in the U.S. market segments relating to their underlying indexes. Similarly, an imperfect match between an ETF's holdings and those of its underlying index may cause its performance to vary from that of its underlying index. The expense ratio of an ETF is an annual fee charged to a shareholder. It includes operating expenses and management fees, but does not take into account any brokerage costs. ETFs do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable account are subject to income tax. In many, but not all cases, ETFs are generally considered to be more tax-efficient when compared to similarly invested mutual funds.

General Disclosures

These disclosures provide you (the investor) and your financial professional with important information regarding the key terms, criteria, methodology, assumptions, risks and limitations presented in this report.

There are many resources available to assist you and your financial professional with evaluating a particular investment or investment strategy. This report, alone, should not be used to make an investment decision. Investing involves numerous risks, and there is always the potential of losing money. You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Your financial professional may provide you with investment advisory services, brokerage services or both. Those services and fees differ; therefore, it is important for you to understand the differences. Free and simple tools are available to research firms and financial professionals at the SEC's investor education website, Investor.gov/CRS, which also provides educational materials about investment advisers, broker/dealers, and investing. You should carefully read the information provided by your financial professional that more fully describes the services, fees, costs, and conflicts of interest specific to your financial professional and situation.

This report is being presented as "extracted performance" (defined below) of an advisory portfolio. Financial professionals who offer investment advisory services typically include an annual advisory fee (which may be referred to as an "Annual Fee", "Annual Asset-Based Advisory Fee", or "Advisory Fee" in this report and its disclosures) in net performance calculations.

The report contains information, data, analyses and opinions that (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by you or your financial professional, and (3) may include, or be derived from, information provided by other third-parties. This report is provided for information purposes only and therefore is not an offer to buy or sell a security, and is not warranted to be correct, complete, or accurate. Morningstar has not reviewed or verified any information input by your financial professional, nor can Morningstar guarantee the completeness or accuracy of this data. Except as otherwise provided by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from the use of this report.

The underlying holdings of the portfolio are not federally or FDIC insured and are not deposits or obligations of, or guaranteed by, any financial institution. Investment in securities involve investment risks including possible loss of principal and fluctuation in value.

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While your financial professional may use this report to provide information on, or as a solicitation for, a security, investment or investment-related service, Morningstar, Inc. is not itself a FINRA-member firm or a registered investment adviser in any jurisdiction. Nothing in this report should be considered a solicitation by Morningstar, Inc. to buy or sell a security, investment or investment-related service to any person in any jurisdiction.

You should consult with legal, tax, or other advisors, including your financial professional, prior to making any investment decisions.

Investment Performance Disclosures

It is important that you understand the risks and limitations of using investment performance returns in making investment decisions. The performance data given represents past performance and should not be considered indicative of future results. Furthermore, fees, expenses, and other costs, including any applicable trading commissions, short-term fees, or taxes, negatively impact investment performance return. The purpose of including such fees and expenses is to illustrate the effect they have on investment returns for the time periods shown. For additional information, please refer to the Fee Schedule (if applicable) and related disclosures contained in this report and those provided by your financial professional.

Gross and Net Performance Returns and Fee Types

Gross performance is calculated before the deduction of all fees and expenses an investor paid in connection with advisory fees, brokerage commissions or other expenses. If included, these fees would reduce the gross performance shown. A "net" return is calculated over the same time period, using the same type of return and calculation methodology as the "gross" return. The impact of fees and expenses paid in connection with your portfolio's advisory services will be reflected in the "net" return calculation. The purpose of showing net performance is to demonstrate the impact of fees and expenses on performance returns.

For example, if the one-year investment performance return before any fees (referred to as true gross return) was 10% and the investment was assessed an annual advisory fee of 1.50% that was deducted monthly, the fee would reduce the one-year performance to approximately 8.36%. Any taxes, expenses, costs and/or other fees not included would decrease the performance further. You should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions. Additional information on the types of fees, time periods, types of returns, and calculation methodologies that may be used in this report is further provided below.

Your financial professional can provide you with further information about how net performance was calculated for this report.

You should speak with your financial professional to understand the impact that fees and expenses have on performance returns, including those shown in this report, before making investment decisions.

You should refer to the disclosure document of the separate account manager, model manager, and/or your financial professional, as applicable, for specific information regarding fees and expenses and discuss with your financial professional the methodologies used to calculate the performance returns reflected in this report.

Performance Return Time Periods

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Performance returns are presented for, at least, the one-, five, and ten-year periods, unless the life (or inception) of the investment is shorter, then the life (or inception) period is substituted for the relevant time period or the investment-level performance returns are hypothetical. For additional information on hypothetical performance returns, see disclosures below.

Performance for periods longer than one year is annualized based on the number of years. Performance for periods less than one year is cumulative, based on the number of days between the start and end dates.

Types of Performance Returns

The following further describes the criteria, methodology, assumptions, risk and limitations used in calculating various types of investment performance returns that may be presented in this report. It may be inappropriate to compare the different types of investment performance returns and you should consult with your financial professional to discuss these differences.

Extracted Performance: Extracted performance means the performance results of one or a subset of investments extracted from a portfolio, this includes performance attribution. The performance results of the total portfolio from which the performance was extracted may be obtained by contacting your financial professional.

Hypothetical Performance Returns: Hypothetical performance is investment performance returns not actually achieved by any portfolio of the financial professional. Hypothetical performance may include, but is not limited to, model performance returns, backtested performance returns, targeted or projected performance returns, and/or pre-inception returns. Additional information on these types of hypothetical performance is further provided in these disclosures.

Hypothetical performance returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. Hypothetical performance returns are based on historic economic and market assumptions and the investment and planning assumptions selected by you or your financial professional. Actual performance returns will vary. If required under applicable regulation, our financial professional has determined that you have the resources and financial expertise to understand the risks and limitations of using such hypothetical performance returns in making investment decisions.

Hypothetical performance returns do not reflect actual trading and may not reflect the impact that material economic and market factors had on the decision-making process for this portfolio. For example, the ability to withstand losses or adhere to a particular investment strategy in spite of losses are material points which can also adversely affect markets in general or the implementation of any specific investment or investment strategy.

Predecessor Performance: Predecessor performance means investment performance achieved by a group of investments consisting of an account (or a private fund) that was not advised at all times during the period by the investment adviser reporting the performance. Additional information may be obtained by contacting your financial professional.

Pre-Inception Returns: Pre-inception returns are theoretical, for illustrative purposes only, and are not reflective of an investor's actual experience. The analysis in this report may be based, in part, on adjusted historical returns for periods prior to the inception of the share class of the fund shown in this report ("Report Share Class"). If pre-inception returns are shown, a performance stream consisting of the Report Share Class and older share class(es) is created. Morningstar adjusts pre-inception returns downward to reflect higher expenses in the Report Share Class, we and does not hypothetically adjust returns upwards for lower expenses. For more information regarding calculation of pre-inception returns please see the Morningstar Extended Performance Methodology.

When pre-inception data is presented in the report, the header at the top of the report will indicate this. In addition, the pre-inception data included in the report will appear in italics.

While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. For example, the fee structures of a retail share class will vary from that of an institutional share class, as retail shares tend to have higher operating expenses and sales charges. These adjusted historical returns are not actual returns. The underlying investments in the share classes used to calculate the pre-performance string will likely vary from the underlying investments held in the fund after inception. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.

Calculation Methodologies

Investment returns are time-weighted total returns, which measures the performance of the security during an interval (for example, daily or monthly) and then geometrically links the interval performance together to produce a return for a stated period. The returns assume the reinvestment of all income (in the form of dividends or interest payments) and capital gains distributions, and are adjusted to reflect ongoing fund expenses and advisory fees. The ongoing fund expenses include management, administrative, 12b-1 fees, and other costs that are deducted from assets. Returns are not adjusted for sales charges (such as front-end or deferred loads), redemption fees, or to reflect the effects of taxation. If such charges, fees, and the effects of taxation were included, they would reduce the performance quoted.

Investment adviser representatives typically include an annual advisory fee, but such fees are generally not applicable to broker/dealer representatives who charge fees based on specific trades. The advisory fees are referred to as "Asset-Based Fees" and/or "Annual Fee" in this report. The Annual Fee percentage is input by your financial professional, and it is quoted annually and calculated monthly, assuming sale of shares payment at the month end. Inception month assumes full month advisory fees.

The index benchmark does not reflect expenses, advisory fees or sales charges. The category average does not reflect advisory fees or sales charges. The index is an unmanaged portfolio of specified securities and cannot be invested in directly. A fund's portfolio may differ significantly from the securities in the index. The index is chosen by Morningstar.

Risk and Return Statistics

Risk measures (such as alpha, beta, R-squared, standard deviation, mean, or Sharpe ratio) are calculated for securities or portfolios that have at least a three-year history. MPT statistics (Alpha, Beta, R-Squared) are derived from investment returns adjusted for advisory fees.

Interactive Analysis Tool Disclosures

The purpose of an interactive analysis tool ("IA Tool") is to establish a clear understanding between an investor and a financial professional as to the investment goals and policies applicable to the investor's investment portfolio. If this report was generated from the use of an IA Tool, it was prepared by you (the investor) or in direct consultation between you and your financial professional to establish reasonable objectives and guidelines in the investment of the investor's assets, set forth a target portfolio indicative of the risk levels, allocations and return targets that the investor's assets will typically be invested to achieve. The customized investment strategy and target portfolio

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allocation illustrated for you are approximate based on individual cash requirements, re-balancing tolerance, economic and market conditions. This has been developed from an evaluation of many key factors which impact the investor's specific situation, risk tolerance and investment objectives. This is only a summary of the investment philosophy that the financial professional may seek to pursue on your behalf.

Use of an IA Tool: If this report was generated from the use of an IA Tool, this report includes simulated analyses including certain limitations and assumptions, that present the likelihood of various outcomes of an investment in the offered strategy. IA Tools alone cannot determine which securities to buy or sell, or which investment strategy to invest in. **IMPORTANT: The projections or other information generated regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results and are not guarantees of future results.** All such analyses, projections and estimates in this presentation were prepared solely by you and/or your financial professional and not by any other person. Please note that results may vary with each use of the tool and over time, reflecting any changed circumstances, assumptions or variables upon which the analysis is based.

Also note that the analysis provided by the IA Tool relates only to the investments and investment strategy(ies) presented in this report or shown in the IA Tool, other investments and strategies not considered may have characteristics similar or superior to those being analyzed. Please contact your financial professional if you would like to request alternative analyses using the IA Tool, based on different assumptions and inputs than those described in this report.

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12 Month Yield
12 Month Yield % is derived by summing the trailing 12-months' income distributions and dividing the sum by the last month's ending NAV, plus any capital gains distributed over the same period. Income refers only to interest payments from fixed-income securities and dividend payoffs from common stocks.

12b1 Expense %
A 12b-1 fee is a fee used to pay for a mutual fund's distribution costs. It is often used as a commission to brokers for selling the fund. The amount of the fee is taken from a fund's returns.

30-Day SEC Yield
The 30-day SEC Yield is a calculation based on a 30-day period ending on the last day of the previous month. It is computed by dividing the net investment income per share earned during the period by the maximum offering price per share on the last day of the period. The figure listed lags by one month. When a dash appears, the yield available is more than 30 days old. This information is taken from fund surveys.

Alpha
Alpha is a measure of the difference between a security or portfolio's actual returns and its expected performance, given its level of risk (as measured by beta.) Alpha is often seen as a measure of the value added or subtracted by a portfolio manager.

Asset Allocation
Asset Allocation reflects asset class weightings of the portfolio. The "Other" category includes security types that are not neatly classified in the other asset classes, such as convertible bonds and preferred stocks, or cannot be classified by Morningstar as a result of missing data. Morningstar may display asset allocation data in several ways, including tables or pie charts. In addition, Morningstar may compare the asset class breakdown of the fund against its three-year average, category average, and/or index proxy.

Asset allocations shown in tables may include a breakdown among the long, short, and net (long positions net of short) positions. These statistics summarize what the fund's managers are buying and how they are positioning the fund's portfolio. When short positions are captured in these portfolio statistics, investors get a more robust description of the fund's exposure and risk. Long positions involve buying the security outright and selling it later, with the hope the security's price rises over time. Short positions are taken with the hope of benefitting from anticipated price declines. The investor borrows the security from another investor, sells it and receives cash, and then is obligated to buy it back at some point in the future. If the price falls after the short sale, the investor will have sold high and can buy low to close the short position and lock in a profit. However, if the price of the security increases after the short sale, the investor will experience a loss buying it at a higher price than the sale price.

Most fund portfolios hold fairly conventional securities, such as long positions in equities and bonds. Morningstar may generate a colored pie chart for these portfolios. Other portfolios use other investment strategies or securities, such as short positions or derivatives, in an attempt to reduce transaction costs, enhance returns, or reduce risk. Some of these securities and strategies behave like conventional securities, while other have unique return and risk characteristics. Portfolios that incorporate investment strategies resulting in short positions or portfolio with relatively exotic derivative positions often report data to Morningstar that does not meet the parameters of the calculation underlying a pie chart's generation. Because of the nature of how these securities are reported to Morningstar, we may not always get complete portfolio information to report asset allocation. Morningstar, at its discretion, may determine if unidentified characteristics of fund holdings are material. Asset allocation and other breakdowns may be rescaled accordingly so that percentages total to 100 percent. (Morningstar used discretion to determine if unidentified characteristics of fund holdings are material, pie charts and other breakdowns may rescale identified characteristics to 100% for more intuitive presentation.)

Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the fund only.

Average Effective Duration
Duration is a time measure of a bond's interest-rate sensitivity. Average effective duration is a weighted average of the duration of the fixed-income securities within a portfolio.

Average Effective Maturity
Average Effective Maturity is a weighted average of the maturities of all bonds in a portfolio.

Average Weighted Coupon
A coupon is the fixed annual percentage paid out on a bond. The average weighted coupon is the asset-weighted coupon of each bond in the portfolio.

Average Weighted Price
Average Weighted Price is the asset-weighted price of bonds held in a portfolio, expressed as a percentage of par (face) value. This number reveals if the portfolio favors bonds selling at prices above or below par value (premium or discount securities respectively.)

Best Fit Index
Alpha, beta, and R-squared statistics are presented for a broad market index and a "best fit" index. The Best Fit Index identified in this report was determined by Morningstar by calculating R-squared for the fund against approximately 100 indexes tracked by Morningstar. The index representing the

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highest R-squared is identified as the best fit index. The best fit index may not be the fund's benchmark, nor does it necessarily contain the types of securities that may be held by the fund or portfolio.

Beta
Beta is a measure of a security or portfolio's sensitivity to market movements (proxied using an index.) A beta of greater than 1 indicates more volatility than the market, and a beta of less than 1 indicates less volatility than the market.

Credit Quality Breakdown
Credit Quality breakdowns are shown for corporate-bond holdings in the fund's portfolio and depict the quality of bonds in the underlying portfolio. It shows the percentage of fixed-income securities that fall within each credit-quality rating as assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). Bonds not rated by an NRSRO are included in the Other/Not-Classified category.

Expense Ratio %
The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Geometric Average Market Capitalization
Geometric Average Market Capitalization is a measure of the size of the companies in which a portfolio invests.

Growth of 10,000
Growth of 10,000 graph compares the growth of an investment of 10,000 (in the base currency of the fund) with that of an index and/or with that of the average for all funds in its Morningstar Category. If pre-inception data is included in the analysis, it will be graphed. Fund market value in the graph is reduced when shares are sold to pay advisory fees. Unlike fund, index benchmark or category average market values are not impacted by advisory fees.

Management Fees%
The management fee includes the management and administrative fees listed in the Management Fees section of a fund's prospectus. Typically, these fees represent the costs shareholders paid for management and administrative services over the fund's prior fiscal year.

Mean
Mean is the annualized geometric return for the period shown.

Morningstar Medalist Rating™
The Morningstar Medalist Rating is the summary expression of Morningstar's forward-looking analysis of investment strategies as offered via specific vehicles using a rating scale of Gold, Silver, Bronze, Neutral, and Negative. The Medalist Ratings indicate which investments Morningstar believes are likely to outperform a relevant index or peer group average on a risk-adjusted basis over time. Investment products are evaluated on three key pillars (People, Parent, and Process) which, when coupled with a fee assessment, forms the basis for Morningstar's conviction in those products' investment merits and determines the Medalist Rating they're assigned. Pillar ratings take the form of Low, Below Average, Average, Above Average, and High. Pillars may be evaluated via an analyst's qualitative assessment (either directly to a vehicle the analyst covers or indirectly when the pillar ratings of a covered vehicle are mapped to a related uncovered vehicle) or using algorithmic techniques. Vehicles are sorted by their expected performance into rating groups defined by their Morningstar Category and their active or passive status. When analysts directly cover a vehicle, they assign the three pillar ratings based on their qualitative assessment, subject to the oversight of the Analyst Rating Committee, and monitor and reevaluate them at least every 14 months. When the vehicles are covered either indirectly by analysts or by algorithm, the ratings are assigned monthly. For more detailed information about the Medalist Ratings, including their methodology, please go to http://global.morningstar.com/managerdisclosures.

The Morningstar Medalist Ratings are not statements of fact, nor are they credit or risk ratings. The Morningstar Medalist Rating (i) should not be used as the sole basis in evaluating an investment product, (ii) involves unknown risks and uncertainties which may cause expectations not to occur or to differ significantly from what was expected, (iii) are not guaranteed to be based on complete or accurate assumptions or models when determined algorithmically, (iv) involve the risk that the return target will not be met due to such things as unforeseen changes in changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rates, exchange rate changes, and/or changes in political and social conditions, and (v) should not be considered an offer or solicitation to buy or sell the investment product. A change in the fundamental factors underlying the Morningstar Medalist Rating can mean that the rating is subsequently no longer accurate.

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Morningstar Category
Morningstar Category is assigned by placing funds into peer groups based on their underlying holdings. The underlying securities in each portfolio are the primary factor in our analysis as the investment objective and investment strategy stated in a fund's prospectus may not be sufficiently detailed for our proprietary classification methodology. Funds are placed in a category based on their portfolio statistics and compositions over the past three years. Analysis of performance and other indicative facts are also considered. If the fund is new and has no portfolio history, Morningstar estimates where it will fall before giving it a permanent category assignment. Categories may be changed based on recent changes to the portfolio.

Morningstar Rank
Morningstar Rank is the total return percentile rank within each Morningstar Category. The highest (or most favorable) percentile rank is zero and the lowest (or least favorable) percentile rank is 100. Historical percentile ranks are based on a snapshot of a fund at the time of calculation.

Morningstar Rating™
The Morningstar Rating™ for funds, or "star rating", is calculated for funds and separate accounts with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable)

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Commonwealth

Morningstar Rating metrics. For more information about the Morningstar Rating for funds, including its methodology, please go to global.morningstar.com/managerdisclosures

Morningstar Return

The Morningstar Return rates a fund's performance relative to other managed products in its Morningstar Category. It is an assessment of a product's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison with the products in its Morningstar category. In each Morningstar category, the top 10% of products earn a High Morningstar Return (High), the next 22.5% Above Average (+Avg), the middle 35% Average (Avg), the next 22.5% Below Average (-Ave), and the bottom 10% Low (Low). Morningstar Return is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Morningstar Risk

Morningstar Risk evaluates a fund's downside volatility relative to that of other products in its Morningstar Category. It is an assessment of the variations in monthly returns, with an emphasis on downside variations, in comparison with the products in its Morningstar category. In each Morningstar category, the 10% of products with the lowest measured risk are described as Low Risk (Low), the next 22.5% Below Average (-Avg), the middle 35% Average (Avg), the next 22.5% Above Average (+Avg), and the top 10% High (High). Morningstar Risk is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

Style Analysis

The Morningstar Style Box reveals a fund's investment style as of the date noted on this report.

For equity funds, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth.) A darkened cell in the style box matrix indicates the weighted average style of the portfolio.

For portfolios holding fixed-income investments, a Fixed Income Style Box is calculated. The vertical axis shows the credit quality based on credit ratings and the horizontal axis shows interest-rate sensitivity as measured by effective duration. There are three credit categories- "High", "Medium", and "Low; and there are three interest rate sensitivity categories- "Limited", "Moderate", and "Extensive" resulting in nine possible combinations. As in the equity Style Box the combination of credit and interest rate sensitivity for a portfolio is represented by a darkened cell in the matrix.

Morningstar uses credit rating information from credit rating agencies (CRA's) that have been designated Nationally Recognized Statistical Rating Organizations (NRSRO's) by the Securities and Exchange Commission (SEC) in the United States. For a list of all NRSROs, please visit https://www.sec.gov/ocr/ocr-learn-nrsros.html. Additionally, Morningstar will use credit ratings from CRA's which have been recognized by foreign regulatory institutions that are deemed the equivalent of the NRSRO designation.

To determine the rating applicable to a holding and the subsequent holding weighted value of a portfolio two methods may be employed. First is a common methodology approach where if a case exists such that two rating organizations/ agencies have rated a holding, the lower rating of the two should be applied; if three or more CRA's have rated a holding the median rating should be applied, and in cases where there are more than two ratings and a median rating cannot be determined the lower of the two middle ratings should be applied. Alternatively, if there is more than one rating available an average can be calculated from all and applied. Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. Credit ratings for any security held in a portfolio may change over time.

Morningstar uses the credit rating information to calculate a weighted-average credit quality value for the portfolio. This value is based only upon those holdings which are considered to be classified as "fixed_income", such as government, corporate, or securitized issues. Other types of holdings such as equities and many, though not all, types of derivatives are excluded. The weighted-average credit quality value is represented by a rating symbol which corresponds to the long-term rating symbol schemas employed by most CRA's. Note that this value is not explicitly published but instead serves an an input in Style Box calculation. This symbol is then used to map to a Style Box credit quality category of "low," "medium," or "high". Funds with a "low" credit quality category are those whose weighted-average credit quality is determined to be equivalent to the commonly used High Yield classification, meaning a rating below "BBB", portfolios assigned to the "high" credit category have either a "AAA" or "AA+" average credit quality value, while "medium" are those with an average rating of "AA" inclusive to "BBB-". It is expected and intended that the majority of portfolios will be assigned a credit category of "medium".

For assignment to an interest-rate sensitivity category Morningstar uses the average effective duration of the portfolio. From this value there are three distinct methodologies employed to determine assignment to category. Portfolios which are assigned to Morningstar municipal-bond categories employ static breakpoints between categories. These breakpoints are "Limited" equal to 4.5 years or less,; (ii) "Moderate" equal to 4.5 years to less than 7 years, and "Extensive" equal to more than 7 years. For portfolios assigned to Morningstar categories other than U.S> Taxable, including all domiciled outside the United States, static duration breakpoints are also used. The values differ from the municipal category values, : (i) "Limited" equals less than or equal to 3.5 years, "Moderate" equals greater than 3.5 years but less than or equal to 6 years, "Extensive" is assigned to portfolios with effective durations of more than 6 years. Note: Interest-rate sensitivity for non-U.S. domiciled portfolios (excluding those in Morningstar convertible categories) may be assigned using average modified duration when average effective duration is not available.

For portfolios Morningstar classifies as U.S Taxable Fixed-Income, interest-rate sensitivity category assignment is based on the effective duration of the Morningstar Core Bond Index (MCBI). The classification assignment is dynamically determined relative to the benchmark index value. A "Limited" category will be assigned to portfolios whose average effective duration is between 25% to 75% of MCBI average effective duration, where the average effective duration is between 75% to 125% of the MCBI the portfolio will be classified as "Moderate", and those portfolios with an average effective duration value 125% or greater of the average effective duration of the MCBI will be classified as "Extensive".

P/B Ratio TTM

The Price/Book Ratio (or P/B Ratio) for a fund is the weighted average of the P/B Ratio of the stocks in its portfolio. Book value is the total assets of a company, less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company's book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

P/C Ratio TTM

The Price/Cash Flow Ratio (or P/C Ratio) for a fund is the weighted average of the P/C Ratio of the stocks in its portfolio. The P/C Ratio of a stock represents

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the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

P/E Ratio TTM
The Price/Earnings Ratio (or P/E Ratio) for a fund is the weighted average of the P/E Ratios of the stocks in its portfolio. The P/E Ratio of a stock is the stock's current price divided by the company's trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company's earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such stocks have an overlooked or undervalued potential for appreciation.

Percentile Rank in Category
Percentile Rank is a standardized way of ranking items within a peer group, in this case, funds within the same Morningstar Category. The observation with the largest numerical value is ranked zero the observation with the smallest numerical value is ranked 100. The remaining observations are placed equal distance from one another on the rating scale. Note that lower percentile ranks are generally more favorable for returns (high returns), while higher percentile ranks are generally more favorable for risk measures (low risk).

Performance Quartile
Performance Quartile reflects a fund's Morningstar Rank.

Potential Capital Gains Exposure
Potential Capital Gains Exposure is an estimate of the percent of a fund's assets that represent gains. It measures how much the fund's assets have appreciated, and it can be an indicator of possible future capital gains distributions. A positive potential capital gains exposure value means that the fund's holdings have generally increased in value while a negative value means that the fund has reported losses on its book.

R-Squared
R-squared is the percentage of a security or portfolio's return movements that are explained by movements in its benchmark index, showing the degree of correlation between the security or portfolio and the benchmark. This figure is helpful in assessing how likely it is that beta and alpha are statistically significant. A value of 1 indicates perfect correlation between the security or portfolio and its benchmark. The lower the R-squared value, the lower the correlation.

Regional Exposure
The regional exposure is a display of the portfolio's assets invested in the regions shown on the report.

Sector Weightings
Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector generally have betas that are close to 1.

Share Change
Shares Change represents the number of shares of a stock bought or sold by a fund since the previously reported portfolio of the fund.

Sharpe Ratio
Sharpe Ratio uses standard deviation and excess return (a measure of a security or portfolio's return in excess of the U.S. Treasury three-month Treasury Bill) to determine the reward per unit of risk.

Standard Deviation
Standard deviation is a statistical measure of the volatility of the security or portfolio's returns. The larger the standard deviation, the greater the volatility of return.

Investment Risk Disclosures

Morningstar makes no representation concerning the appropriateness of any investment or investment strategy. Other types of investments or investment strategies may be more appropriate depending upon an investor's specific situation, including the investor's investment objectives, financial status, tax situation, and risk tolerance. These disclosures cannot and do not list every conceivable factor that may affect the results of any investment or investment strategy. Additional risks will arise, and an investor must be willing and able to accept those risks. You should speak with your financial professional to understand the risks and limitations on investing in any particular investment or investment strategy, including those that are shown in this report, before making investment decisions.

The performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares/units, when sold or redeemed, may be worth more or less than the original investment. Portfolio statistics change over time. Securities are not FDIC-insured, may lose value, and are not guaranteed by a bank or other financial institution. Portfolio statistics change over time.

The risks associated with investing are numerous and include, but are not limited to, those listed below:

International/Emerging Market Equities: Investing in international securities involves special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

Sector Strategies: Portfolios that invest exclusively in one sector or industry involve additional risks. The lack of industry diversification subjects the investor to increased industry-specific risks.

Non-Diversified Strategies: Portfolios that invest a significant percentage of assets in a single issuer involve additional risks, including share price fluctuations, because of the increased concentration of investments.

Small Cap Equities: Portfolios that invest in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies. Historically, smaller-company stocks have experienced a greater degree of market volatility than the overall market average.

Mid Cap Equities: Portfolios that invest in companies with market capitalization below $10 billion involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

High-Yield Bonds: Portfolios that invest in lower-rated debt securities (commonly referred to as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be

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aware of the possible higher level of volatility, and increased risk of default.

Tax-Free Municipal Bonds: The investor should note that the income from tax-free municipal bond funds may be subject to state and local taxation and the Alternative Minimum Tax.

Bonds: Bonds are subject to interest rate risk. As the prevailing level of bond interest rates rise, the value of bonds already held in a portfolio declines. Portfolios that hold bonds are subject to declines and increases in value due to general changes in interest rates.

Hedge Funds: The investor should note that hedge fund investing involves specialized risks that are dependent upon the type of strategies undertaken by the manager. This can include distressed or event-driven strategies, long/short strategies, using arbitrage (exploiting price inefficiencies), international investing, and use of leverage, options and/or derivatives. Although the goal of hedge fund managers may be to reduce volatility and produce positive absolute return under a variety of market conditions, hedge funds may involve a high degree of risk and are suitable only for investors of substantial financial means who could bear the entire loss of their investment.

Bank Loan/Senior Debt: Bank loans and senior loans are impacted by the risks associated with fixed income in general, including interest rate risk and default risk. They are often non-investment grade; therefore, the risk of default is high. These securities are also relatively illiquid. Managed products that invest in bank loans/senior debt are often highly leveraged, producing a high risk of return volatility.

Exchange Traded Notes (ETNs): ETNs are unsecured debt obligations. Any repayment of notes is subject to the issuer's ability to repay its obligations. ETNs do not typically pay interest.

Leveraged ETFs: Levered investments are designed to meet multiples of the return performance of the index they track and seek to meet their fund objectives on a daily basis (or other time period stated within the Fund objective). The leverage/gearing ratio is the amount of excess return that a levered investment is designed to achieve in comparison to its index performance (i.e. 200%, 300%, -200%, or -300% or 2X, 3X. -2X, -3X).Leveraged investments are designed to meet multiples of the return performance of the index they track and seek to meet their fund objectives on a daily basis (or other time period stated within the prospectus objective). The leverage/gearing ratio is the amount of excess return that a leveraged investment is designed to achieve in comparison to its index performance (i.e. 200%, 300%, -200%, or -300% or 2X, 3X, -2X, -3X). Compounding has the ability to affect the performance of the fund to be either greater or less than the index performance multiplied by the multiple stated within the funds objective over a stated time period.

Short Positions: When a short position moves in an unfavorable way, the losses are theoretically unlimited. The broker may demand more collateral and a manager might have to close out a short position at an inopportune time to limit further losses.

Long-Short: Due to the strategies used by long-short funds, which may include but are not limited to leverage, short selling, short-term trading, and investing in derivatives, these funds may have greater risk, volatility, and expenses than those focusing on traditional investment strategies.

Liquidity Risk: Closed-end fund, ETF, and HOLDR trading may be halted due to market conditions, impacting an investor's ability to sell a fund.

Market Price Risk: The market price of ETFs, HOLDRs, and closed-end funds traded on the secondary market is subject to the forces of supply and demand and thus independent of the NAV. This can result in the market price trading at a premium or discount to the NAV, which will affect an investor's value.

Market Risk: The market prices of ETFs and HOLDRs can fluctuate as a result of several factors, such as security-specific factors or general investor sentiment. Therefore, investors should be aware of the prospect of market fluctuations and the impact it may have on the market price.

Target-Date Funds: Target-date funds typically invest in other mutual funds and are designed for investors who are planning to retire during the target date year. The fund's target date is the approximate date when investors expect to begin withdrawing their money. A target-date fund's investment objective/strategy typically becomes more conservative over time, primarily by reducing its allocation to equity mutual funds and increasing its allocations in fixed-income mutual funds. An investor's principal value in a target-date fund is not guaranteed at any time, including at the fund's target date.

High double- and triple-digit returns: High double- and triple-digit returns were the result of extremely favorable market conditions, which may not continue to be the case. High returns for short time periods must not be a major factor when making investment decisions.

Benchmark Disclosure

IONIA COUNTY PENSION: B37098221 **Custom Benchmark: PPS Select 60/40**	Allocation %	Type
Bloomberg US Treasury Bill 1-3 M TR USD	6.00	IDX
MSCI ACWI Ex USA NR USD	15.00	IDX
Bloomberg US Agg Bond TR USD	34.00	IDX
Russell 3000 TR USD	45.00	IDX

Bloomberg US Agg Bond TR USD
This index is composed of the BarCap Government/Credit Index, the Mortgage-Backed Securities Index, and the Asset-Backed Securities Index. The returns we publish for the index are total returns, which includes the daily reinvestment of dividends. Bloomberg Indexes and its associated data, Copyright © 2024 Bloomberg Index Services Limited. Bloomberg® is a trademark and service mark of Bloomberg Finance L.P. and its affiliates (collectively "Bloomberg"). Bloomberg or Bloomberg's licensors own all proprietary rights in the Bloomberg Indices. Bloomberg does not approve or endorse this material or guarantee the accuracy or completeness of any information herein, nor does Bloomberg make any warranty, express or implied, as to the results to be obtained therefrom and, to the maximum extent allowed by law, Bloomberg shall not have any liability or responsibility for injury or damages arising in connection therewith. The constituents displayed for this index are from the following proxy: iShares Core US Aggregate Bond ETF.

Bloomberg US Treasury Bill 1-3 M TR USD
The index measures the performance of public obligations of the U.S. Treasury with maturities of 1-3 month, including securities roll up to the U.S. Aggregate, U.S. Universal, and Global Aggregate Indices.

Bloomberg US Universal TR USD
BarCap U.S. Universal Bond Index: The U.S. Universal Index mirrors the increasingly popular "Core Plus" choice set used by many U.S.-dollar investors. It is the union of the U.S. Aggregate Index, the U.S. High Yield Corporate Index, the 144A Index, the Eurodollar Index, the Emerging Markets Index, the non-ERISA portion of the CMBS Index, and the CMBS High Yield Index. Municipal

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debt, private placements, and non-dollar- denominated issues are excluded from the Universal Index. The constituents displayed for this index are from the following proxy: iShares Core Total USD Bond Market ETF.

ICE BofA USD 3M Dep OR CM TR USD
The BofA Merrill Lynch USD LIBOR 3 Month Constant Maturity Index represents the London intrabank offered rate (LIBOR) with a constant 3-month average maturity. LIBOR is a composite of the rates of interest at which banks borrow from one another in the London market.

Morningstar Con Tgt Risk TR USD
The Morningstar Conservative Target Risk Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in a static allocation appropriate for U.S. investors who seek below-average exposure to equity market risk and returns.

Morningstar Mod Con Tgt Risk TR USD
The Morningstar Moderately Conservative Target Risk Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in a static allocation appropriate for U.S. investors who seek a slightly below-average exposure to equity market risk and returns.

Morningstar Mod Tgt Risk TR USD
The Morningstar Moderate Target Risk Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in a static allocation appropriate for U.S. investors who seek average exposure to equity market risk and returns.

Morningstar US Core Bd TR USD
The index measures the performance of fixed-rate, investment-grade USD-denominated securities with maturities greater than one year. It is market-capitalization weighted. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

Morningstar US HY Bd TR USD
The index measures the performance of USD-denominated high-yield corporate debt. It is market-capitalization weighted. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

Morningstar US Real Est TR USD
The Real Estate Sector tracks the performance of companies that manufacture machinery, hand-held tools and industrial products. This sector also includes aerospace and defense firms as well as companied engaged in transportations and logistic services.

Morningstar USD 1M Cash TR USD
The index measures the performance of a 30-day LIBOR/LIBID-based rate for the US market. It is market-capitalization weighted. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

MSCI ACWI Ex USA NR USD
The MSCI AC World ex USA is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global developed and emerging markets. The index consists of 48 developed and emerging market country indices. The returns we publish for the index are total returns, which include reinvestment of dividends. The constituents displayed for this index are from the following proxy: iShares MSCI ACWI ex US ETF.

MSCI ACWI NR USD
The index measures the performance of the large and mid cap segments of all country markets. It is free float-adjusted market-capitalization weighted. The constituents displayed for this index are from the following proxy: iShares MSCI ACWI ETF.

MSCI EAFE NR USD
This Europe, Australasia, and Far East index is a market-capitalization-weighted index of 21 non-U.S., industrialized country indexes.

This disclosure applies to all MSCI indices: Certain information included herein is derived by Morningstar in part from MSCI's Index Constituents (the "Index Data"). However, MSCI has not reviewed any information contained herein and does not endorse or express any opinion such information or analysis. MSCI does not make any express or implied warranties, representations or guarantees concerning the Index Data or any information or data derived therefrom, and in no event will MSCI have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) relating to any use of this information. The constituents displayed for this index are from the following proxy: Schwab International Index Fund®.

MSCI EM NR USD
The index measures the performance of the large and mid cap segments of emerging market equity securities. It is free float-adjusted market-capitalization weighted. The constituents displayed for this index are from the following proxy: iShares MSCI Emerging Markets ETF.

Russell 1000 Growth TR USD
Tracks the companies within the Russell 1000 with higher price-to-book ratios and higher forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell 1000 Growth ETF.

Russell 1000 Value TR USD
Tracks the companies within the Russell 1000 with lower price-to-book ratios and lower forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell 1000 Value ETF.

Russell 2000 TR USD
Consists of the 2000 smallest companies in the Russell 3000 Index. The constituents displayed for this index are from the following proxy: iShares Russell 2000 ETF.

Russell 3000 TR USD
Composed of the 3000 largest U.S. companies by market capitalization, representing approximately 98% of the U.S. equity market. The constituents displayed for this index are from the following proxy: Vanguard Russell 3000 Index Fund.

Russell Mid Cap TR USD
Measures the performance of the 800 smallest companies in the Russell 1000 Index, which represent approximately 25% of the total market capitalization of the Russell 1000 Index. The constituents displayed for this index are from the following proxy: iShares Russell Mid-Cap ETF.

S&P 500 TR USD
A market capitalization-weighted index composed of the 500 most widely held stocks whose assets and/or revenues are based in the US; it's often used as a proxy for the U.S. stock market. TR (Total Return) indexes include daily reinvestment of dividends. The constituents displayed for this index are from the following proxy: SPDR® S&P 500® ETF Trust.

S&P Global REIT TR USD
The index measures the performance of publicly traded equity REITs listed in

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both developed and emerging markets. It is a member of the S&P Global Property Index Series.

S&P United States REIT TR USD

The index measures the performance of investable universe of pubilcly traded real estate investment trusts domiciled in the United States. The constituents displayed for this index are from the following proxy: First Trust S&P REIT Fund.

USTREAS T-Bill Auction Ave 3 Mon

Three-month T-bills are government-backed, short-term investments considered to be risk-free and as good as cash because the maturity is only three months. Morningstar collects yields on the T-bill on a weekly basis from the Wall Street Journal.

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IONIA COUNTY PENSION PLAN

Investment Policy Statement
August 2024

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INVESTMENT POLICY DISCUSSION

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WHAT IS AN INVESTMENT POLICY?

An investment policy statement (IPS) outlines and prescribes a prudent and acceptable investment philosophy and sets out the investment management procedures and long-term goals for the investor.

THE NEED FOR A WRITTEN POLICY

Requirements to which company retirement plans were subject originally created the need for written investment policies, as described below. We have found the process so useful for plan sponsors that we have expanded the concept and now make use of written investment policies for all investment management clients.

We recognize that the Ionia Pension Plan is not subject to ERISA. Nevertheless, ERISA is instructive and provides a helpful set of guidelines for management. With the enactment of ERISA in 1974, plan fiduciaries became liable for breaches in prudence and diversification standards. ERISA 402(b) (1) states, "Every employee benefit plan shall provide a procedure for establishing and carrying out a funding policy and method consistent with the objectives of the plan and requirements of this title."

A written IPS allows our clients, whether they are individual or plan fiduciaries, to clearly establish the prudence and diversification standards which they want the investment process to maintain. Plan sponsors must develop a written policy whether they take an active role in the investment of pension assets, delegate the task to outside investment managers, or provide the participants with the right to direct their own accounts. The net effect of the written policy is to increase the likelihood that the plan will be able to meet the financial needs of its investors and, if applicable, the plan beneficiaries through the development of specific objectives and establishment of specific and repeatable tasks.

INVESTMENT MANAGER PERFORMANCE EVALUATION

Measuring the time-weighted return is not enough; the risk of each investment portfolio should also be considered. A portfolio that slightly underperforms the S&P 500 but carries only half the overall risk is superior on a risk-adjusted basis to a portfolio that slightly outperforms the S&P 500 but carries a full amount of market risk. Deciding when to replace a portfolio manager is often subjective as much as objective. Just because a manager had a down year or two is not a valid reason for replacement. This document lays out the procedures to be followed in order to create a system for making such decisions.

INTRODUCTION

The purpose of this Investment Policy Statement (IPS) is to establish a clear understanding between the Trustees of Ionia County Defined Benefit Pension Plan ("Investor") and the investment consultant(s) ("Consultant") as to the investment objectives and policies applicable to the Investor's investment portfolio. This Investment Policy Statement will:

- Establish reasonable expectations, objections and guidelines in the investment of the Portfolio's assets
- Set forth an investment structure detailing permitted asset classes and expected allocation among asset classes
- Encourage effective communication between the Investor and the Consultant
- Create the framework for a well diversified asset mix that can be expected to generate acceptable long-term returns at a level of risk suitable to the Investor.

This IPS is not a contract. This IPS is intended to be a summary of an investment philosophy that provides guidance for the Investor.

STATEMENT OF OBJECTIVES

After reviewing current and expected financial requirements, the plan Trustees have established the following objectives:

1. To continuously maintain a fully funded status, based on actuarial assumptions at the time. Fully funded status shall be with regard to both accumulated benefit obligations and projected benefit obligations.
2. To have the ability to pay all benefit and expense obligations when due.
3. To retain a reserve over and above any immediate obligations to provide for unanticipated changes in the investment or funding environment and/or any changes in future benefits or plan expenses and/or any changes in future interest rate assumptions.
4. To exceed actuarial earnings assumptions, which currently assume annualized returns of 6.71%.
5. ~~To maintain a balance in a local bank to not exceed $300,000. This account shall be for the purpose of collecting deposits and issuing benefits. It shall be reviewed monthly and if it exceeds $300,000 the amount over shall be invested in the "investment pool", as directed by the Consultant.~~

TIME HORIZON

For the purposes of planning, the time horizon for investments is to be in excess of ten years. Capital values do fluctuate over shorter periods and the Investor recognizes that the possibility of capital loss does exist. However, historical asset class return data suggest that the risk of principal loss over a holding period of at least three to five years can be minimized with the long-term investment mix employed under this IPS.

TOLERANCE

The Trustees of the COUNTY Plan wish to take a moderate stance with regard to these investment assets. At the same time, the Investor recognizes that prudent investing requires reasonable risks in order to raise the likelihood of achieving the targeted investment returns. As a result of the Investor's recognition that higher returns involved the necessity of experiencing some volatility, the Investor has indicated a willingness to tolerate declines in the value of the Investor's portfolio of between 15% and 20% in any given year, although would not willingly accept losses as often as three out of ten times to achieve higher returns.
The Portfolio will be managed in a manner that seeks to minimize principal fluctuations over the established horizon and is consistent with the stated objectives. Financial research has demonstrated that risk is best minimized through diversification of assets, including international and alternative investments.

DIVERSIFICATION

Investment of the COUNTY Plan's shall be limited to the individual marketable securities or packaged products (for example, mutual funds, exchange traded funds (ETF) or unit investment trusts (UIT)) in the following categories:

A. Permitted Investment Categories

1. Cash and cash equivalents, including money market funds
2. Bonds (corporate, U.S. government, or foreign government)
3. Bank certificates of deposit
4. Stocks (U.S. and foreign-based companies)
5. Mutual Funds and/or Exchange Traded Funds
6. Precious metals & Currencies (Only through mutual funds)
7. Real estate only through Real Estate Investment Trusts (or instruments that invest in REITs)
8. Secured bank loans, pooled accounts (commonly known as Prime Rate Trusts)

B. Excluded Categories for Investment

1. Equipment leasing
2. Direct natural resources
3. Venture Capital
4. Individual Real Estate Holdings

In addition, investments in limited partnerships and other vehicles that do not have readily available objective valuations shall not be permitted.

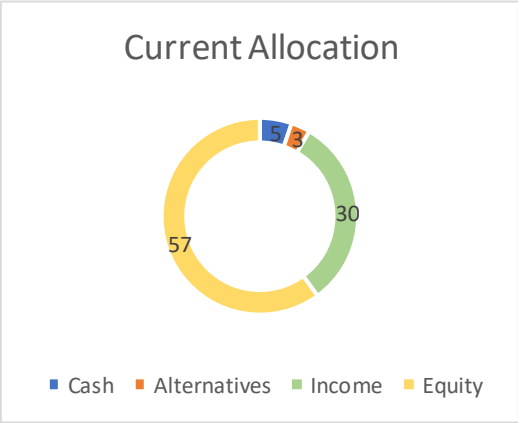
C. Minimum Number of Investment Categories

At all times there must be a minimum of three investment categories represented among the plan assets. There shall be no maximum limit to the number of categories.

ASSET ALLOCATION

Academic research suggests that the decision as to how to allocate total assets among various asset classes will far outweigh security selection and other decisions in terms of impact upon portfolio performance.

After reviewing the long-term performance and risk characteristics of various asset classes and balancing the risks and rewards of market behavior, the following asset classes were selected to achieve the objectives of the investor's portfolio:



No guarantees can be given about future performance and this IPS shall not be construed as offering such a guarantee. It should be recognized that the Portfolio may invest in both passive and actively managed investment accounts and/or mutual funds, that the actual weightings of these investments can and will vary and, as a result, actual returns can be higher or lower than the current target return of 6.71% per year (see 2023 Actuarial Valuation Report).

The selection of the individual holdings is reviewed on an annual basis. See the annual fund recommendation provided with regard to performance and various other statistical data on the portfolio.

FREQUENCY OF REVIEW

The Investor recognizes that all investments go through cycles; and, therefore, there will be periods of time in which the investment objectives are not met or when specific managers fail to meet their expected performance targets. Recognizing that no manager is perfect all the time and that good years help to make up for bad ones, the Investor acknowledges the principal that managers must be given an opportunity to make up for poor periods and that unless there are extenuating circumstances, patience will often prove appropriate when performance has been disappointing.

On an overall portfolio basis, the Investor establishes a goal of achieving the stated investment return objectives over a ten-year period of time. A shorter time frame would contradict the principal that mangers should generally be given the opportunity to overcome poor performance with subsequent excellent performance.

LIQUIDITY

This plan is a qualified retirement plan and is, therefore, required to ensure that liquid assets be readily available to permit all required payments to former employees with vested holdings. Current benefit payments to participants are $665,386 per year and the Trustees should plan on this payment to rise to a high of $1.2M per year over the next 15 years (See page 5 of 2023 actuarial report). Furthermore, since payments are generally made on a monthly basis, and that the underlining investments are highly liquid, the Trustees feel they have an adequate "early warning system" with regard to upcoming required payouts. Current distributions from the investment fund are $30,000 per month to cover the benefit payments.

Despite the above facts, the Investor has determined that cash balances (money market funds, bank certificates of deposit with maturities of less than twelve months, and U.S. Treasury Bills) shall always be maintained at a level of no less than 2%, of total Plan assets, and shall generally be no more than 5%. The current level of cash in the portfolio is at 5%. As a result of the current high short-term interest rate environment, the cash portfolio has a healthy 4.5% yield and is thus not heavily detrimental to long-term performance. If the interest rate environment changes drastically, we will revisit the cash amount.

MARKETABILITY OF ASSETS

Due to the Investor's long-term investment horizon, the Investor has determined that, as appropriate, none of its assets can be invested in illiquid, long-term investments, to include but not to be limited to deferred annuities, public non-traded investments and bank certificates of deposit with extended maturities.

STATEMENT OF LIMITATIONS

The Ionia County Pension Plan is a plan qualified under Section 401(a) of the internal revenue code and must be operated in accordance with those requirements. In addition, all retirement plans of political subdivisions of the state of Michigan must operate within the limitations of the

Michigan Public Employer Retirement System Investment Act (MI-PERSIA), MCL Section 38.1132, et. Seq. Finally, County plans must satisfy the requirements of MCL Section 46.12a, the County Retirement Plan provisions.

THE PLAN SPONSOR

County of Ionia, hereafter known as "County"
100 West Main Street
Courthouse
Ionia, MI 48846
Main Contact: Timothy Dame; County Finance Director

INVESTOR HISTORY

Ionia County, located in the State of Michigan, provides critical services to its residents and visitors. Ionia County is home to a variety of natural resources, parks, and family events, among them being the world famous Ionia Free Fair. Within its boundaries, it has a State of Michigan Recreational Area – Sessions Lake, with over 4500 acres of beautiful rolling hills, babbling brooks, open meadows, forested ridges, a lake nestled in the hills and a river winding its way through woods and fields. Bertha Brock Park is also located in Ionia County. It was established in 1931 with donations of property from local citizens, and initial development with the help of Michigan's Department of Transportation. Early additions to the park, such as the picturesque stone bridges and rustic Palmer Lodge, were built in the early 1930s by the WPA.

Ionia County is rich in historical tradition, with links to the Grand Rapids furniture-making industry and the home of a former Michigan Governor, Fred Warren Green (1927-1930) a former Michigan Lieutenant Governors, Allen E. Stebbins, (1933-1934) and, Brian Calley, (2011-2018). Brian also served on the Ionia County Board of Commissioners (2003-2006.)

PLAN TRUSTEES

The persons ultimately responsible for making all decisions with regard to the administration of the COUNTY Plan, including the management of the Trust assets, and for carrying out this Investment Policy Statement. The Trustees are:

County Commissioner – District # 1 Chair; currently David Hodges
County Commissioner – District # 2 currently Scott Wirtz
County Commissioner – District # 3 currently Larry Tiejema
County Commissioner – District # 4 currently Phillip Lee Hesche
County Commissioner – District # 5 currently Gordon L. Kelley
County Commissioner – District # 6 currently Jack Shattuck
County Commissioner – District # 7 currently Terence Michael Frewen

Currently the Board acts as the Pension Advisory Committee.

ACTUARIAL ASSUMPTIONS

To fully satisfy long-term obligations to the employees of COUNTY and participants in the COUNTY Defined Benefit Pension Plan, the plan sponsor assumes a 6.71% annualized rate of return on an average return basis for the portfolio. This required return is based on current assumptions regarding morbidity and mortality of the participants, a retirement age of 65, and continued full funding by COUNTY.

KEY CONTACTS FOR PLAN

Custodian for Trust Assets:
National Financial Services
c/o Commonwealth Financial Services (800) 237-0081
29 Sawyer Road
Waltham, MA 02453-3483

Finance Officer (to the plan):
Bernadette Blonde (616) 527-8204
100 West Main Street
Courthouse
Ionia, MI 48846

Finance Officer shall be responsible for keeping Trust documents in compliance with current laws, for providing quarterly reports to all trustees, and for preparing appropriate tax returns and other compliance documents. Finance Director shall also be responsible to be the first contact for benefit claims for retirement, disability or beneficial claims.

Attorney:
Frank Berrodin (616) 831-1769
Miller Johnson Attorneys
250 Monroe Ave NW Suite 800
Grand Rapids, MI 49501-0306

Attorney shall review the COUNTY Plan with regard to issues relating to the qualification of the Plan under IRS regulations and the design and documentation of the Plan.

Investment Consultant:
Jaakko Kasko, CFP®, CRPC® (269)-985-0200
Milestone Wealth Management,
2610 Lakeshore Drive, St. Joseph, MI 49085
(Securities and Advisory Services provided by Commonwealth Financial Network; Member FINRA/SIPC; A Registered Investment Adviser)

The Investment Consultant shall provide on-going strategic investment advice, specific investment recommendations, and annual performance reports.

Actuarial Services
Chris Veenstra *(616) 456-9696*
Walkins Ross Company
200 Ottawa Ave NW Suite 600
Grand Rapids, MI 49503

Prepare regular actuarial studies and valuations for this defined benefit plans – pension and other post-employment benefit (OPEB) plans. In addition, assist with ongoing design, monitoring and assisting in other calculations requiring actuarial expertise. Also guide the Trustees in their decision making processes and advising them on the pension's operational and compliance related issues.

ADDITIONAL ADVISORY DUTIES & RESPONSIBILITIES

Jaakko Kasko; Milestone Wealth Management,
Jaakko Kasko (Consultant) is responsible for assisting the Investor in making an appropriate asset allocation decision based on the particular needs, objectives, and risk profile of the Investor.

Consultants are Investment Advisory Representatives; (IAR) affiliated with Commonwealth Financial Network, and shall act as the investment consultants to the Investor until the Investor decides otherwise.

Consultants shall be responsible for:

1. Advising the Investor about the selection and allocation of asset categories
2. The identification of specific assets and investment managers within each asset category
3. Providing the Investor with the current prospectus for each investment proposed for the Portfolio
4. Monitoring the performance of all selected assets
5. Recommending changes to any of the above
6. Periodically reviewing the suitability of the investments for the investor
7. Being available to meet with the Investor at least twice each year, and being available at such other times within reason as the Investor requests
8. Preparing and presenting appropriate reports

Consultants will not take title to any assets nor shall Milestone Wealth Management, exercise discretionary control over any of the Investor's assets. Consultants shall be responsible only to make recommendations to the Investor and to implement investment decisions as directed by the Investor.

Rebalancing Procedures

From time to time, market conditions may cause the Portfolio's investment in various asset classes to vary from the established allocation. To remain consistent with the asset allocation guidelines established by this IPS, each asset class in which the Portfolio invests shall be reviewed on an annual basis by the Trustees of the COUNTY Plan. This review shall take place during the annual IPS review. The investment consultant shall monitor the portfolio for possible opportunities to rebalance through the course of the year. By following the guidelines of rebalancing back to the recommended weighting if the weighting is off by 25% or more relative to the model weighting (e.g. if model has a 10% weight, and actual weight is off by more than 2.5%). Rebalancing during the course of the year is an option for implementation, not a requirement.

Adjustment in the Target Allocation

The approved asset allocation displayed previously indicates both an initial target allocation and a range for each broad investment category. From time to time, based on changing economic circumstances and the various relative investment opportunities as perceived by the Plan Trustees and their consultants, it may be desirable to make changes in the target allocation. The Plan Trustees and their consultants may determine such changes, as long as they are within the acceptable ranges also listed previously. Subsequent investment changes, which the Investor must approve prior to any changes actually being put in place, will reflect the updated allocation

ACKNOWLEDGMENT & ADOPTION

The Investor

The Investor shall provide Consultants with all relevant information on financial condition, net worth, and risk tolerances, and shall notify Milestone Wealth Management, promptly of any changes to this information. The Investor should read and have a general understanding of the information contained in the prospectus of each investment in the Portfolio.

ADOPTION

Adopted by the below signed Investor at _____ this _____ day of _____, 2024.

_____

David Hodges, Chair

Greg Geiger, County Clerk

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

October 22, 2024

CONTACT:
Patrick Jordan, County Administrator

DESCRIPTION:
PA 233 is set to go into effect Nov. 29. This Act strips municipalities of local control over utility-scale solar developments and gives that power to the Michigan Public Service Commission. Foster Swift is leading an appeal of local Michigan Municipalities challenging the Michigan Public Service Commission's interpretation of PA233, whereby the MPSC has attempted to limit "affected local units" to only those municipalities that exercise zoning jurisdiction.

OTHER DEPARTMENTS/AGENCIES AFFECTED:
All local municipalities in Ionia County.

FINANCIAL ANALYSIS:
Expected maximum exposure $5,000 in legal cost-sharing.

LEGAL REVIEW:
Foster Swift municipal attorney Laura Genovich will attend to engage with Commissioners in discussion.

DEADLINE:
Nov. 8, 2024 filing deadline in Michigan Court of Appeals.

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):
If Commissioners believe it to be in the best interest of the County, a vote to engage the services of Foster Swift as part of a class action appeal of MPSC interpretation of PA 233.

ADMINISTRATOR'S RECOMMENDATION:
Administration recommends.

FOSTER SWIFT
FOSTER SWIFT COLLINS & SMITH PC ‖ ATTORNEYS

Lansing | Southfield | Grand Rapids | Detroit | Holland

Lansing
313 S. Washington Square
Lansing MI 48933

Southfield
28411 Northwestern Highway – Suite 500
Southfield MI 48034

Grand Rapids
1700 E. Beltline NE – Suite 200
Grand Rapids MI 49525

Detroit
333 W. Fort Street – Suite 1400
Detroit MI 48226

Holland
151 Central Avenue – Suite 260
Holland MI 49423

Walter S. Foster 1878-1961
Richard B. Foster 1908-1996
Theodore W. Swift 1928-2000
John L. Collins 1926-2001

Webb A. Smith - *Retired*

Charles A. Janssen
Charles E. Barbieri
Scott L. Mandel
Michael D. Sanders
Brent A. Titus
Brian G. Goodenough
Matt G. Hrebec
Deanna Swisher

Thomas R. Meagher
Douglas A. Mielock
Scott A. Chernich
Paul J. Millenbach
Dirk H. Beckwith
Brian J. Renaud
Lynwood P. VandenBosch
Lawrence Korolewicz
James B. Doezema
Anne M. Seurynck
Michael D. Homier
Scott H. Hogan
Benjamin J. Price
Michael R. Blum
Jonathan J. David
Andrew C. Vredenburg
Julie I. Fershtman
Todd W. Hoppe
Jennifer B. Van Regenmorter

Thomas R. TerMaat
Frederick D. Dilley
David R. Russell
Joel C. Farrar
Laura J. Genovich
Karl W. Butterer, Jr.
Mindi M. Johnson
Ray H. Littleton, II
Jack L. Van Coevering
Anna K. Gibson
Nicholas M. Oertel
Alicia W. Birach
Adam A. Fadly
Michael J. Liddane
Ryan E. Lamb
Clifford L. Hammond
Matthew S. Fedor
Andrea Badalucco
Stefania Gismondi

Leslie A. Abdoo
Julie L. Hamlet
Michael C. Zahrt
Mark T. Koerner
Warren H. Krueger, III
Taylor A. Gast
Thomas K. Dillon
Robert A. Hamor
Jacquelyn A. Dupler
Dora A. Brantley
James F. Anderton, V
Sara L. Cunningham
Michael A. Cassar
Alexander S. Rusek
Steven J. Tjapkes
Erica E.L. Huddas
Jennifer L. Montasir
Bryan Cermak
Mikhail Murshak

Kevin J. Roragen
Courtney G. Agrusa
Rachael Kuilema Klein
Michael R. Kluck
Gabrielle C. Lawrence
Kelly Reed Lucas
Paula K. Manis
James R. Neal
Michael G. Oliva
Michael H. Rhodes
Jeffrey S. Theuer
Lino A. Taormina
Amanda J. Dernovshek
Brandon M. H. Schumacher
Alaina M. Nelson
Anthony M. Dalimonte
Benjamin C. Dilley
Nicholas J. Stock, II
Keith T. Brown

Mallory E. Reader
Benjamin M. Williams
Reed K. Powers
Dina D. Kashat
Danielle N. Romano
Lindsey M. Mead
Destiny R. Hughes
Nathan J. Wood
Samantha L. Diamond
McKenna S. Rivers
Melanie A. Assad
Matthew C. Murray

Writer's Direct Phone: 616.726.2230 **Fax**: 517.367.7120 **Reply To**: Grand Rapids **Email**: mhomier@fosterswift.com

October 16, 2024

For Immediate Release

Municipalities to Challenge Michigan Public Service Commission's Interpretation of PA 233

Lansing, MI — Foster Swift Collins & Smith, PC, representing municipal clients across Michigan, announces its intent to challenge the Michigan Public Service Commission's (MPSC) recent Order regarding Public Act 233 of 2023 (PA 233). This legal action arises from the MPSC's erroneous interpretation of local authority over renewable energy projects, which, according to the municipalities and their legal counsel, oversteps the commission's authority and undermines local governance.

The MPSC's 168-page Order outlines application procedures for siting utility-scale renewable energy projects. However, the commission's interpretation of key provisions within PA 233, particularly its definition of a Compatible Renewable Energy Ordinance (CREO), has sparked significant concern and outrage amongst local municipalities, who were repeatedly assured by the legislature that they would retain local control.

Municipalities strongly disagree with this interpretation, noting that the MPSC's order appears to limit local municipalities' ability to impose any other zoning regulations, even those not prohibited by PA 233. Moreover, the MPSC's attempt to redefine the term "affected local unit" as only those municipalities exercising zoning jurisdiction is directly contrary to the plain language of the statute.

"The MPSC has overstepped its administrative authority," said Michael Homier, Chair of the Administrative and Municipal Practice Group at Foster Swift. "PA 233 grants limited powers to the MPSC, and we believe its recent actions are inconsistent with the law. We intend to contest this overreach on behalf of our clients to preserve local control."

Municipalities across Michigan are encouraged to join the legal appeal, which will be filed in the Michigan Court of Appeals before the November 8, 2024 deadline.

For more information or to join the legal challenge, please contact Foster Swift Collins & Smith, PC.

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AMENDMENT TO IONIA COUNTY
SOLID WASTE MANAGEMENT PLAN

_____, 202_

The Ionia County Solid Waste Management Plan (January 2001) is hereby amended and supplemented as follows:

1. Import Authorization Tables I-A and Table I-B, (III-2 -III-4), shall delete all listed counties and any specific restrictions identified in the table and shall be replaced with the following language:

   All counties within the State of Michigan are authorized by Ionia County for primary importation. The authorized annual cap is 200,000 tons of solid waste from all counties combined.

2. Facility User Fee, (III-47 and August 13, 2004, transmittal letter p. 2), is hereby amended to read as follows:

   a. In order to finance the implementation of Part 115 County Solid Waste Management Plan, Ionia County imposes a user fee upon all solid waste deposited and/or processed at facilities located within the County. Any previous County memorandum, contract, resolution or ordinance regarding a user fee or surcharge is repealed and voided. Unless a different user fee is agreed to through a "host community agreement" between Ionia County and a particular facility, the following user fee is established based on each ton deposited and/or processed in the facility:

      (1). $2.00 per ton of waste accepted for deposit and/or processed to be paid to Ionia County.

      (2). $1.00 per ton of waste accepted for deposit and/or processed to be paid to Orleans Township.

      (3). $0.25 per ton of waste accepted for deposit and/or processed to be paid to Otsico Township.

   b. The County may enforce the user fee through a solid waste ordinance with civil and/or criminal sanctions if the fee is not collected and remitted, or through the terms of the host community agreement.

   c. Each owner or operator must remit the user fee to Ionia County, Orleans Township and Otisco Township in accordance with this plan on a monthly basis. On a form selected by Ionia County, the facility owner or operator shall also provide monthly reports to Ionia County, Orleans Township and Otsico Township identifying the gross amount of paid receipts and/or solid waste collected during the preceding month. Ionia County, Orleans Township and Otisco Township must receive all monthly reports and user fees no later than the 10th day of the succeeding month.

c. In order to encourage the development of resource recovery facilities, user fees shall not be imposed on material that is recycled at resource recovery facilities.

d. Host Community Agreement: is defined as a written contract that is approved and signed by the owner of a "facility" as defined in Rule 103 of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, administrative rules; and the Ionia County Board of Commissioners ("BOC") after approval in a public meeting, by the BOC.

e. Delete all text on p. III-48.

3. Elected System, (III-51) is hereby amended to read as follows:

a. **Local Responsibility for Plan Update Monitoring and Enforcement**: Ionia County Board of Commissioners and any designee appointed by the Ionia County Board of Commissioners, and the Ionia Conservation District as the Designated Planning Agency.

b. **Educational and Informational Programs**: Ionia Conservation District.

4. Special Conditions (D-7), is hereby amended to read as follows:

a. Ionia County Solid Waste Export Condition:

Ionia County's Solid Waste Management System includes Pitsch Sanitary Landfill, the Household Hazardous Waste Program, Recycling Drop-Offs, and public education programs.

Ionia County has listed the following counties which accept Ionia County waste on a reciprocating basis: Allegan, Barry, Kent, Clinton, Montcalm, Eaton, Gratiot, Ingham, Berrien, Branch, Calhoun, Cass, Clare, Jackson, Kalamazoo, Mason, Mecosta, Midland, Muskegon, Newaygo, Oceana, Ottawa, Osceola, Saginaw, Shiawassee, St. Joseph, Van Buren, Wexford.

b. Ionia County Solid Waste Import Condition:

Ionia County's Solid Waste Management Plan establishes limits on the amounts and origins of waste authorized for disposal in Ionia County, including a controlling overall maximum amount of 200,000 tons annually.

Ionia County will accept waste generated in any county located in the State of Michigan. According to the amendment to the Plan of 2024, this Plan authorizes solid waste for disposal from any county in the State of Michigan.

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

Title: As Needed Engineering Services
Date: October 22, 2024

CONTACT: Linda Pigue, Managing Director

DESCRIPTION:

The Road Department solicited and received nine (9) sealed proposals for "As needed Engineering Services". The Road Department staff formed a 6-member committee which developed written criteria for evaluating and ranking the proposals and interviews. Using written criteria, the written proposals were reviewed and evaluated. Three companies (Spicer Group, Inc., Fleis & VandenBrink and Prein & Newhof) were selected for further evaluation. In-person interviews were conducted with the three companies using a written list of questions/criteria (see attached copy). The companies were then ranked based on the interviews.

OTHER DEPARTMENTS/AGENCIES AFFECTED: None

FINANCIAL ANALYSIS:

Use of "As Needed Engineering Services" is included in the Department's budget.

LEGAL REVIEW:

The proposed County Contract was reviewed and "Approved As To Form" by Cohl, Stoker and Toskey, P.C.

DEADLINE:

October 22, 2024.

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):

Request the Board award the contract for "As Needed Engineering Services" to Spicer Group, Inc. and authorize the Board Chairman to sign a contract between the County and Spicer Group, Inc.

ADMINISTRATOR'S RECOMMENDATION:

Administrator recommends approval.

CONSULTANT SERVICES AGREEMENT

THIS AGREEMENT, made and entered into this _____ day of _____, 2024, by and between the **COUNTY OF IONIA,** a municipal corporation and political subdivision of the State of Michigan acting on behalf of the **IONIA COUNTY ROAD DEPARTMENT** (hereinafter referred to as the "Department") and **SPICER GROUP, INC.**, with offices at 2464 Byron Station Dr., SW Suite C, Byron Center, MI 49315 (hereinafter referred to as the "Consultant").

RECITALS:

WHEREAS, the County is in need of as-needed engineering services for its Road Department; and

WHEREAS, the Consultant, a qualified and experienced firm, has experience in performing the type of professional services required by the County, and has submitted a proposal to provide the consulting services it requires; and

WHEREAS, the County accepts the Consultant's proposal subject to the terms and conditions of this Agreement.

NOW, THEREFORE, for and in consideration of the mutual covenants hereinafter contained, **IT IS HEREBY AGREED,** as follows·

1. Scope of Services/Deliverables. The services/deliverables the Consultant is to provide shall be as set forth in the Scope of Services section of the Contractor's Proposal attached to this Agreement, labeled Exhibit A. The attached Exhibit A is incorporated by reference into this Agreement and made a part thereof.

2. Documents. Upon completion or termination of this Agreement, all documents prepared by the Consultant, including reports, tracings, drawings, estimates, specifications, notes, investigations, data, studies, etc., including electronic drawings and data files, as instruments of service, shall become the property of the County Consultant shall submit copies of all the above to the County.

3. Project Team. It is expressly understood and agreed that the team of professionals that the Consultant shall assign shall be as set forth in the Project Team section of Contractor's Proposal attached to this Agreement, labeled Exhibit B. The attached Exhibit B is incorporated by reference into this Agreement and made a part hereof. In the event there are any changes in personnel the Consultant has designated in Exhibit B, the Consultant shall provide the County with prior written notice identifying the person being replaced, and the name and qualifications of his/her replacement. It is expressly understood and agreed that the person replacing a member of the Project Team must have equal or greater qualifications and experience than the person he/she is replacing.

4. Compensation. The County shall pay the Consultant for the services performed under this Agreement in accordance with the Current Fee Schedule set forth in the Consultant's Proposal attached to this Agreement, labeled Exhibit C. The attached Exhibit C is incorporated by reference into this Agreement and made a part thereof. Payment to the Consultants for services rendered shall not exceed the price submitted with the proposal unless an increase is negotiated with the County.

The Consultant shall invoice the Department attention Darlene Thomas 170 E, Riverside Drive, Ionia MI 48846 or via email rdaccountspayable@ioniacountyroads.org monthly unless otherwise advised. The County shall pay the Consultant upon satisfactory receipt of an itemized invoice detailing at a minimum, the services rendered, dates of services, hourly rates, invoice number, and remit to address. Payment from the County to the Consultant shall be made within thirty (30) days following receipt of invoice and upon complete satisfactory receipt of services. The County shall notify the Consultant of any adjustments required to invoice.

5. Audit. The Consultant shall follow generally accepted accounting practices (GAAP) and permit representatives of the County to audit and inspect its books and records on the services performed and costs invoiced to the County under this Agreement. Such records shall be kept available for three (3) years after termination of this Agreement.

6. Time Period for Performance of Required Services and Completion Date. This Agreement shall become effective on the date in which it is fully signed by the authorized representatives of both parties and, unless terminated as authorized in this Agreement, continue until all services are completed to the satisfaction of the County. The term of this contract shall be from the date of signing through December 31, 2028.

Notwithstanding any other provision in this Agreement to the contrary, the County may terminate this Agreement, with or without cause, upon five (5) days prior written notice to the Consultant. In the event this Agreement is prematurely terminated without cause (i.e. for reasons other than Consultant's breach of the terms of this Agreement) as set forth herein, the Consultant shall be compensated for services completed as of the effective date of termination in accordance with Section 4 of this Agreement.

7. Standard of Care. In providing services under this Agreement, the Consultant shall perform its services in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances. Failure to meet such standards shall be a material breach of this Agreement.

8. Disputes. All questions which may arise as to the quality and acceptability of work, the manner of performance and rate of progress of the work, the interpretation of designs and specifications, and as to the satisfactory and acceptable fulfillment of the terms of this Agreement shall be decided by the County.

9. **Nondiscrimination**. The Consultant, as required by law, shall not discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, sexual orientation, gender identity or expression, disability or genetic information that is unrelated to the individual's ability to perform the duties of a particular job or position, height, weight, marital status, or political affiliation.

The Consultant shall adhere to all applicable Federal, State and local laws, ordinances, rules and regulations prohibiting discrimination including, but not limited to, the following:

A. The Elliott-Larsen Civil Rights Act, 1976 PA 453, as amended.

B. The Persons with Disabilities Civil Rights Act, 1976 PA 220, as amended.

C. Section 504 of the Federal Rehabilitation Act of 1973, P. L. 93-112, 87 Stat 355, as amended, and regulations promulgated thereunder.

D. The Americans with Disabilities Act of 1990, P. L. 101-336, 104 Stat 227 (42 USC § 12101 et *seq.)* as amended, and regulations promulgated thereunder.

The Consultant further agrees that it will require all sub-consultants and subcontractors for this project to comply with the provisions of this Section. Breach of this Section shall be regarded as a material breach of this Agreement.

10. **Compliance with the Law.** The Consultant and all its sub-consultants and subcontractors shall render the services to be provided pursuant to this Agreement in compliance with all applicable Federal, State and local laws, ordinances, rules, regulations and codes.

11. **Applicable Law and Venue.** This Agreement shall be governed by and construed according to the laws of the State of Michigan, without regard to any Michigan choice of law rules that would apply the law of any other jurisdiction to the extent not inconsistent with or pre-empted by federal law.

The County and Consultant agree that any legal or equitable action under this Agreement shall be in Michigan Courts whose venue is established in accordance with the statutes of the State of Michigan and/or Michigan Court Rules. In the event that any action is brought under this Agreement in or is moved to Federal Court, the venue for such action shall be the Federal Judicial District of Michigan, Western District, Southern Division.

12. **Independent Contractor.** It is expressly understood and agreed that the Consultant is an independent contractor. The Consultant's officers, employees, agents, sub-consultants and subcontractors shall in no way be deemed to be and shall not hold themselves out as employees or agents of the County. The Consultant's officers, employees, agents, sub-consultants and subcontractors shall not be entitled to any fringe benefits of the County such as, but not limited to, health and accident insurance, life insurance, paid vacation leave, paid sick leave or longevity.

The Consultant shall be responsible for paying all salaries, wages and other compensation which may be due its officers, employees, agents, sub-consultants, or subcontractors and for the withholding and payment of all applicable taxes, including, but not limited to, income and Social Security taxes to the proper Federal, State and local governments. The Consultant shall maintain workers' compensation insurance and unemployment compensation coverage for its employees, as required by law.

13. **Indemnification and Hold Harmless.** The Consultant shall, at its own expense, protect, defend, indemnify, save and hold harmless the County, the County's elected and appointed officers, employees, servants, and agents, and any agencies participating in the funding for the services to be performed under this Agreement, from all claims, damages, lawsuits, costs and expenses that arises out of this Agreement, including but not limited to, all costs from administrative proceedings, court costs and attorney fees resulting from the willful misconduct, violations of Federal or State laws, rules or regulations or negligent acts or omissions or improper performance or non-performance of the Work required by this Agreement by the Consultant or its officers, employees, agents, sub-consultants or subcontractors.

The Consultant's responsibilities under this Section shall include the sum of damages, costs and expenses which are in excess of the sum of damages, costs and expenses which are paid out in behalf of or reimbursed to the County, the County's officers, employees, servants and agents, the local units of government in which the project is located and any agencies participating in the project's funding, by the insurance coverage obtained and/or maintained by the Consultant.

14. **Insurance.** During the duration of this Agreement, the Consultant shall maintain the following insurances:

A. Workers' Compensation Insurance including Employer's Liability Coverage, in accordance with all applicable statutes of the State of Michigan.

B. Professional Liability Insurance (errors and omissions) with limits of liability of not less than ONE MILLION AND NO/100 DOLLARS ($1,000,000.00) per occurrence and/or claim. If the Consultant's Professional Liability Insurance is on a per claim basis the Consultant shall keep its Professional Liability Insurance either in force, or purchase extended reporting period "tail" coverage, for a minimum of three (3) years after the termination of this Agreement.

C. Commercial General Liability Insurance (occurrence basis only) with limits of liability not less than $1,000,000.00 per occurrence and/or aggregate combined single limit for Personal Injury, Bodily Injury and Property Damage Coverage with the following coverage inclusions:

1) Broad Form General Liability Endorsements or equivalent, if not already included in the policy;
2) Independent Contractor Coverage;
3) Contractual Liability;
4) Products and Completed Operations Coverage; and
5) Deletion of all Explosions, Collapse, and Underground (XCU) Exclusions.

D. Motor Vehicle Liability Insurance with Michigan No-Fault Coverages including all owned, non-owned and hired vehicles with limits of liability not less than $1,000,000.00 per occurrence combined single limit for Bodily Injury and Property Damage Coverage.

E. It is understood and agreed by the Consultant that the County, all the County's elected and appointed officials, all the County's employees, boards, commissions and/or authorities and their board members including employees and volunteers thereof, shall be added as Additional Insureds on the Consultant's General Liability Insurance and Motor Vehicle Liability Insurance required above and of excess and umbrella insurances. This coverage shall be primary to the Additional Insureds, and not contributing with any other insurance or similar protection available to the Additional Insureds, whether said other available coverage be primary, contributing or excess.

All insurance coverages required by this Section shall be with insurance carriers licensed and admitted to do business in the State of Michigan and whom are acceptable to the County, and have an A.M. Best Company (www.ambest.com) rating of A+ (Superior) or A or A-(Excellent).

The Consultant shall be responsible for paying any deductibles in insurance coverages it is required to maintain by this Agreement.

All insurances required by this Section shall include an endorsement stating the following: "It is understood and agreed that thirty (30) days advanced written notice of cancellation, non-renewal, reduction and/or material change shall be sent to Ionia County Administration, 101 W. Main St., Ionia, MI 48846." If Consultant's insurers refuse to provide such an endorsement, the Consultant shall be responsible for providing the required notices.

The Consultant shall provide the County at the time copies of this Agreement are returned to the County for execution with two (2) copies of certificates of insurance for each of the insurance policies/coverages required above in this Section. If so requested, certified copies of all policies shall be furnished.

In the event policies of insurance evidenced in the certificates of insurance expire during the term of this Agreement, new certificates of insurance shall be issued to the County meeting the requirements of this Section evidencing the Consultant's continuation of such insurances at least ten (10) days prior to the expiration date.

15. Disclaimer. Any approvals, acceptances, reviews, and inspections of any nature by the County shall not be construed as a warranty or assumption of liability on the part of the County. It is expressly understood and agreed that any such approvals, acceptances, reviews, and inspections are for the sole and exclusive purposes of the County, which is acting in a governmental capacity under this Agreement, and that such approvals, acceptances, reviews and inspections are a governmental function incidental to the services under this Agreement.

Any such approvals, acceptances, reviews, and inspections by the County will not relieve the Consultant of its obligations hereunder. Such approvals, acceptances, reviews and inspections by the County shall not be construed as a warranty as to the propriety of the Consultant's performance but are undertaken for the sole use and information of the County.

16. Third Parties. This Agreement is not for the benefit of any third party.

17. Waivers. No failure or delay on the part of either the County or the Consultant in exercising any right, power or privilege hereunder shall operate as a waiver thereof, nor shall a single or partial exercise of any right, power or privilege preclude any other or further exercise of any other right, power or privilege. No modification, amendment, or waiver of any provision of this Agreement, nor consent to any departure from any provision of the Agreement by either party hereto, shall in any event be effective unless the same is in writing and signed by the other party, and then such waiver or consent shall be effective only in the specific instance and for the purpose for which given.

In no event shall the making by the County of any payment due to the Consultant constitute or be construed as a waiver by the County of any breach of a provision of this Agreement, or any default which may then exist, on the part of the Consultant. The making of any such payment by the County while any such breach or default shall exist, shall in no way impair or prejudice any right or remedy available to the County in respect to such breach or default.

18. Iran Linked Business. The Consultant, by entry into this Agreement, has certified to the County that neither it nor any of its successors, parent companies, subsidiaries, or companies under common ownership or control of the Consultant, are an "Iran Linked Business" engaged in investment activities of $20,000,000.00 or more with

the energy sector of Iran, within the meaning of Michigan Public Act 517 of 2012. It is expressly understood and agreed that the Consultant shall not become an "Iran linked business" during the term of this Agreement.

NOTE: IF A PERSON OR ENTITY FALSELY CERTIFIES THAT IT IS NOT AN IRAN LINKED BUSINESS AS DEFINED BY PUBLIC ACT 517 OF 2012, IT WILL BE RESPONSIBLE FOR CIVIL PENALTIES OF NOT MORE THAN $250,000.00 OR TWO TIMES THE AMOUNT OF THE CONTRACT FOR WHICH THE FALSE CERTIFICATION WAS MADE, WHICHEVER IS GREATER, PLUS COSTS OF INVESTIGATION AND REASONABLE ATTORNEY FEES INCURRED, AS MORE FULLY SET FORTH IN SECTION 5 OF ACT NO. 517, PUBLIC ACTS OF 2012.

19. Assignment or Subcontracting. The Consultant may not assign or subcontract for the provision of any of the services required by this Agreement without the prior written approval of the County. It is, however, expressly understood and agreed by the County and the Consultant that any approved assignment or subcontract by the Consultant does not affect the Consultant's responsibility and accountability to the County for the assigned or subcontracted activity.

20. Modification of Agreement. Modifications, amendments or waivers of any provisions of this Agreement may be made only by the written mutual consent of the parties hereto.

21. Contract Administrator. The Department's Managing Director shall act as Contract Administrator on behalf of the County.

22. Purpose of Section Titles. The titles of the sections set forth in this Agreement are inserted for the convenience of reference only and shall be disregarded when construing or interpreting any of the provisions of this Agreement.

23. Complete Agreement. This Agreement, the attached Exhibits A, B, and C, contain all the terms and conditions agreed upon by the parties hereto, and no other agreements, oral or otherwise, regarding the subject matter of this Agreement or any part thereof shall have any validity or bind any of the parties hereto.

24. Binding Effect of the Agreement. The covenants and conditions of this Agreement shall be binding upon and for the benefit of the heirs, administrators, executors, successors and assigns of the parties hereto.

25. Invalid/Unenforceable Provisions. If any clause or provision of this Agreement is rendered invalid or unenforceable because of any State or Federal statute or regulation or ruling by any tribunal of competent jurisdiction, that clause or provision shall be null and void, and any such invalidity or unenforceability shall not affect the validity or enforceability of the remainder of this Agreement. Where the deletion of the invalid or unenforceable clause or provision would result in the illegality and/or unenforceability of this Agreement, this Agreement shall be considered to have

terminated as of the date in which the clause or provision was rendered invalid or unenforceable.

26. **Certification of Authority to Sign Agreement**. The people signing this Agreement on behalf of the parties hereto certify by their signatures that they are duly authorized to sign on behalf of said parties and that this Agreement has been authorized by said parties.

THE AUTHORIZED REPRESENTATIVES OF IONIA COUNTY AND SPICER GROUP, INC., HAVE FULLY EXECUTED THIS CONSULTANT SERVICES AGR EEMENT ON THE DAY AND YEAR FIRST ABOVE WRITTEN.

COUNTY OF IONIA	**SPICER GROUP, INC.**
By: _____	By: _____
David Hodges, Chairman	(Signature)
County Board of Commissioners	Name:_____
	(Print or Type)
	Title: _____
Date: _____	(Print or Type)
	Date: _____

APPROVED AS TO FORM
FOR THE COUNTY OF IONIA
COHL, STOKER & TOSKEY, P.C.

By: Gordon J Love 10/15/2024

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Ionia Co. #24-006E

EXHIBIT A

Exhibit A



PROPOSAL TO PROVIDE AS-NEEDED ENGINEERING SERVICES FOR THE IONIA COUNTY ROAD DEPARTMENT

PREPARED BY:

EIGHTY 30 YEARS | Spicer group

SEPTEMBER 23, 2024

STRONGER. SAFER. SMARTER.

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COMPANY INFORMATION

Spicer Group, Inc. is a Michigan-based firm, and we have been providing professional engineering, surveying, grant writing, and community planning solutions to clients across the state for 80 years. We are incorporated and licensed to operate in the State of Michigan and have 12 principal owners. We have fully-staffed and modernly-equipped surveying, water resources, utility engineering, electrical engineering, structural engineering, transportation engineering, information management, and construction management departments. We have 320 employees and 11 offices—Traverse City, Saginaw, St. Johns, East Lansing, Byron Center, Dundee, Manistee, Detroit, Standish, Bingham Farms, and Atlanta, GA. To provide superior proximity for coverage and response times when urgent needs arise, all work for this project will be coordinated out of our Byron Center office with support from our St. John's office location.

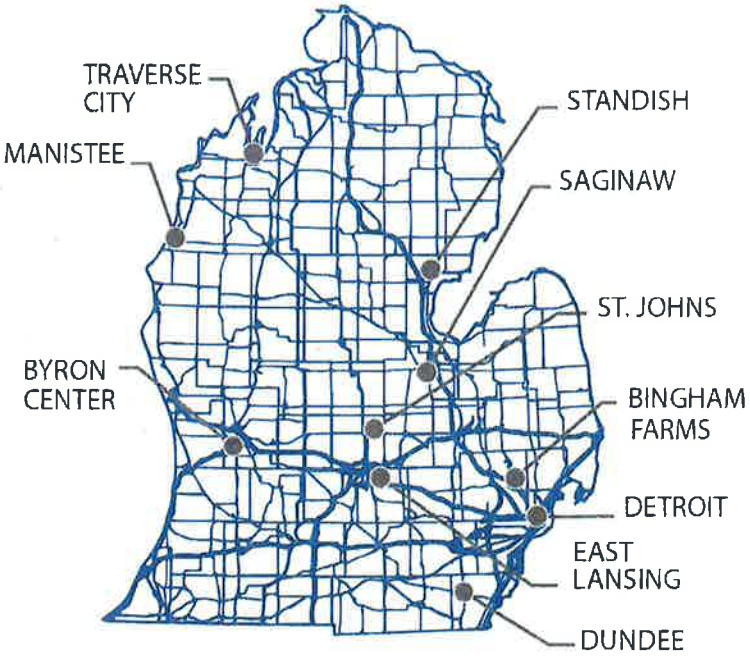




BYRON CENTER OFFICE
2464 Byron Station Dr.
SW Suite C
Byron Center, MI 49315

ST. JOHNS OFFICE
1400 Zeeb Dr.
St. Johns, MI 48879

Spicer Group currently provides as-needed engineering services to clients across Michigan, including county, city, village, and township governmental agencies. We also provide as-needed engineering and surveying services for MDOT and several county road commissions. Our depth of staff means we are available as needed 24 hours a day to assist them with any engineering or surveying needs they may have. Current county road commissions we are assisting include Bay County, Berrien County, Clare County, Clinton County, Huron County, Ingham County, Macomb County, Midland County, Monroe County, Saginaw County, St. Clair County, Tuscola County, Iosco County, and Wayne County.



Spicer Group is in receipt of the RFP Addendum published on the ICRD website.

MDOT PREQUALIFIED

Spicer Group is proud to be prequalified in 35 key MDOT categories. Being prequalified requires the ability to provide experienced staff with the necessary training to meet MDOT's expectations. Being approved in these categories and maintaining the prequalification status highlights the high level of experience, training, and ability our team has:

- Construction Engineering: Assistance
- Construction Engineering: Bridges & Ancillary Structures
- Construction Engineering: Roadway
- Construction Engineering: Roadway - Local Agency Program
- Construction Inspection: Bridge Painting
- Construction Inspection: Bridges & Ancillary Structures
- Construction Inspection: HMA Pavement
- Construction Inspection: Roadway
- Construction Inspection: Traffic and Safety
- Construction Services: Office Technician
- Construction Testing: Aggregates
- Construction Testing: Concrete
- Construction Testing: Density
- Design - Bridges
- Design - Bridges: Load Rating
- Design - Bridges: Safety Inspection
- Design - Bridges: Scoping
- Design - Buildings
- Design - Hydraulics I
- Design - Hydraulics II
- Design - Roadway Design - Roadway: Intermediate
- Design - Traffic: Pavement Markings
- Design - Traffic: Signal
- Design - Traffic: Signing - Non-Freeway
- Design - Traffic: Work Zone Maintenance of Traffic
- Design - Utilities: Municipal
- Design - Wetlands
- Surveying: Construction Staking
- Surveying: Hydraulics
- Surveying: Right of Way
- Surveying: Road Design
- Surveying: Structure

KEY PRINCIPAL CONTACTS

RICK BORN
Principal
(989) 239-5727
rickb@spicergroup.com

MICHAEL NIEDERQUELL, P.E.
Senior Project Manager
(989) 573-3236
miken@spicergroup.com

RICH KATHRENS, P.E.
Principal
(517) 749-4274
rich.kathrens@spicergroup.com



ROAD DESIGN ENGINEERING

Understanding of Services

Spicer Group understands the requirements necessary to provide as-needed design engineering services to a county road commission. We are currently providing as-needed design engineering services for the following county road commissions: Bay, Clare, Clinton, and Tuscola. We have provided design engineering services to Arenac, Iosco, Midland, and Saginaw Counties in the past. We are MDOT-prequalified in all applicable categories to complete this work. Our staff is MDOT certified for SESC/Storm Water Operator, OSHA 10, First Aid, and CPR. Spicer Group is highly experienced in road reconstruction and rehabilitation, including crushing and shaping, milling and resurfacing, trenching and widening, cold in place recycling, full depth reclamation, high friction surface treatment, and cape seal.

Communication of information is key to successful construction projects. Chris Briggs, P.E., will be the contractual point of contact, daily point of contact, and will be responsible for budget and QA/QC. He will work closely with the ICRD team to ensure all administrative tasks are completed. We are experienced in road design for all types of county roads, utility coordination, permits and clearances required for road projects, traffic engineering, cost estimates, and special provisions. Our sub-consultant, ORC, will be responsible for right-of-way appraisals and acquisition.

ROAD DESIGN

Spicer Group has designed 70 LAP projects in the past 10 years for local agencies in Michigan. All of these projects require estimates of probable costs and special provisions in MDOT format. Spicer Group has also designed 35 projects crossing a railroad. So, we are very familiar with the coordination required for railroad review and permitting. We obtain approval for all of our LAP projects for the National Environmental Policy Act (NEPA) and the State Historic Preservation Office (SHPO). We have assisted the MDOT environmental group with the pilot program for the current SHPO procedure for counties working with MDOT. 22 of our recent projects have also required permits from the Environment, Great Lakes, and Energy (EGLE) for wetland or floodplain permitting.

Spicer Group is proficient in utility coordination. Spicer Group coordinates with all utility partners for state, county, and local projects. Spicer Group recently led the utility coordination for the EB M-58 reconstruction project in the City of Saginaw for MDOT. Spicer Group conducted over 20 combined or separate utility meetings with utility companies for the project. Spicer Group maintains a utility conflict matrix for projects to aid in keeping track of utility relocations. We can draft any utility notice to bidders required for coordination, conduct utility meetings, and draft meeting minutes for the project. Spicer Group is adept at utility conflict resolution for roadway projects.

TRAFFIC ENGINEERING

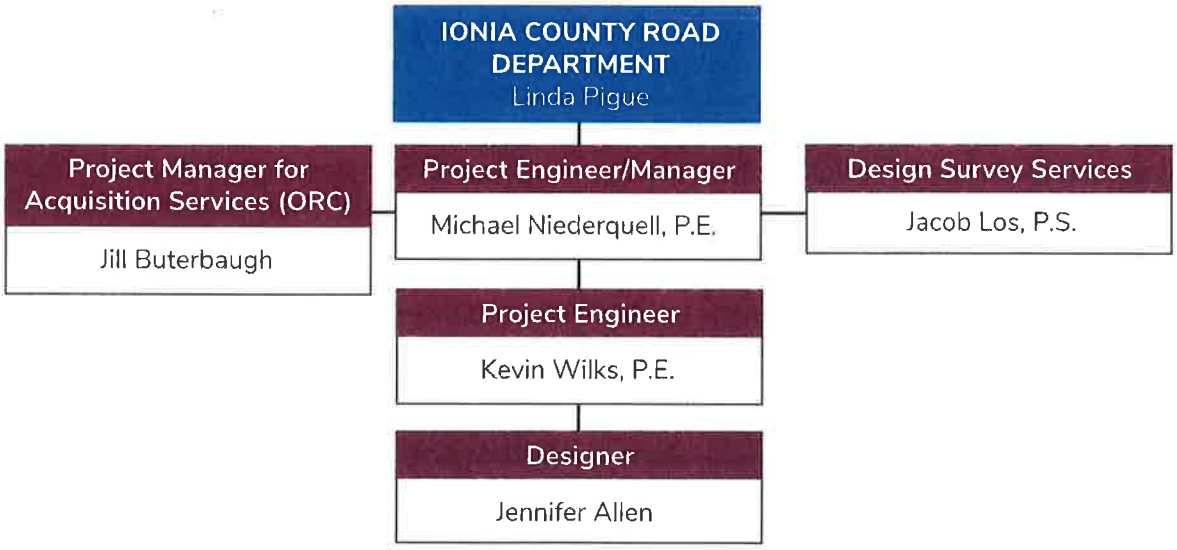
Spicer Group is well equipped to design many facets of traffic engineering, including permanent signing, pavement marking, maintaining traffic, traffic signals, and traffic studies. Spicer Group was the #1 ranked vendor for permanent sign design by MDOT for the as-needed non-freeway sign upgrading contract selected in December of 2023. Spicer Group's team has designed over 2,798 miles of non-freeway sign contracts for MDOT in the last 10 years. Spicer Group designs the pavement marking plans for all the road design projects for our MDOT, County, City, and Village projects. Spicer Group's transportation team designs the maintaining traffic for transportation, municipal, and water resource projects affecting roadways. Maintaining traffic often consists of detours, construction staging, traffic shifts, temporary signals, or other means to keep motorists moving through or around the work zone. Spicer Group is an MDOT prequalified traffic signal designer. We have designed traffic signals including mast arms, steel strain poles, and standard wood poles. Other components of traffic signal design include vehicle detection (actuation), pedestrian crossing signals and push buttons, signal connectivity, railroad preemption, and turn lane-protected phasing. Spicer Group's typical traffic studies include traffic signal warrant analysis, rapid rectangular flashing beacon (RRFB) warrant analysis, intersection vehicle/pedestrian turning counts, roadway volumes, and pedestrian crossings.

SURVEY

Spicer Group's professional surveyors and geospatial professionals are experts at measuring the world we live in, whether from land, sea, or sky. Our team is capable of working on the smallest of survey projects to the largest of public or private infrastructure projects. From traditional boundary surveys, ALTA/ACSM Land Title Surveys, to mega-freeway reconstruction projects, our crews have you covered. We pride ourselves on leveraging the latest in traditional surveying and remote sensing technology to complete projects as efficiently, accurately, and safely as possible. From robotic total stations and GPS, 3D laser scanners, mobile and aerial LiDAR systems and single and multi-beam sonar, our team of experts deploy the right technology for any given project. With 27 field crews and a large group of support professionals, our team can mobilize anywhere in the United States to support any project. No challenge is too complex. Currently, our team consists of 16 licensed professional surveyors holding licensure across the U.S.

Spicer Group also owns various single and multi-beam sonar sensors that can be quickly mounted to one of our marine vessels to capture high-density survey grade data below the water surface. This detailed 3D sonar data is useful for a variety of applications, including bridge scour analysis, hydraulic surveying and modeling, pre and post-dredge volume calculation surveys, and design applications. Our team of surveyors and hydrographers utilize the latest in positioning and navigation technology, collecting data using real-time kinematic (RTK) GNSS during all field collection. All final data is post-processed using post-processed kinematic (PPK) GNSS solutions for the highest possible accuracy that can be achieved in a marine environment. Spicer Group's hydrographic team has performed hundreds of shallow-water bathymetric surveys for local, state, and federal agencies, marina owners, lake associations, and contractors. Our hydrographic surveying team consists of professional surveyors with decades of traditional and hydrographic surveying experience. We have significant experience using bathymetric data, LiDAR data, and conventional survey data to create the most complete and useful 3D survey deliverables to support design.

Qualifications of Team



MICHAEL NIEDERQUELL, P.E. – Project Engineer/Manager
Mr. Niederquell will be serving as the Project Manager for transportation and traffic engineering. Mr. Niederquell will ensure that all work completed is in accordance with MDOT guidelines and specifications. He has over 26 years' experience and is well acquainted with MDOT construction practices, being a Project Manager/Project Engineer for a wide assortment of MDOT projects such as milling and resurfacing, reconstruction, safety projects, streetscapes, storm sewer design, water main design, sanitary sewer design, utility conflict resolution, and freeway and non-freeway signing upgrades. He is also the Project Manager for many Local Agency Projects consisting of County Road Commissions, cities, and villages. He will be supported by Spicer Group's transportation engineers, technicians, and team members, as shown in the organization chart. He will lead the road design, permanent sign, traffic maintenance, and pavement marking activities.

KEVIN WILKS, P.E. – Project Engineer
Mr. Wilks will be responsible for designing the road, intersection, and drainage improvements. His experience includes roadway, drainage, sanitary, and water main projects for municipalities, and he is very familiar with OSHA codes, standards, and procedures. He has construction engineering experience as well that he utilizes while designing projects. He coordinates and receives necessary permits for projects involving MDOT and EGLE.

JENNIFER ALLEN – Designer
Ms. Allen will be responsible for completing the road design and drafting review for the project. Some of her key qualifications include 29 years of experience designing roadway, streetscape, sanitary and water main projects for municipalities across Michigan. She is very familiar with OSHA codes, MDOT standards, and county road commission standards and procedures. She coordinates and receives necessary permits for projects involving MDOT and EGLE. She utilizes Civil 3D, MicroStation, and GeoPak features for the efficient, accurate design of storm sewer, pavement grading, and earthwork calculations.

JACOB LOS, P.S. – Design Survey Services

Mr. Los will provide design survey services for the project. He is a well-rounded Professional Surveyor with experience both in the field and, most recently, moving into the role of Project Management. His experience with past firms and extracurricular work in the surveying field has prepared him for Survey Project Management. In his time at Spicer Group, he has taken staff under his wing to mentor, teach, and grow his management skills. Mr. Los is versed in using total stations, digital levels, and Drone technology. Additionally, Mr. Los is proficient in using software programs including but not limited to Open Roads, MicroStation, Civil3D, AutoCAD, Leica Infinity, and Microsoft Excel for managing and collecting data.

ADDITIONAL STAFFING RESOURCES

Spicer Group is a complete design engineering firm comprised of professional engineers and numerous municipal, structural, water resources, and construction engineers. We are fully committed to supplying a team of professionals with the experience required to provide exceptional full design engineering services for the ICRD.

Past Performance

DIXIE HIGHWAY FROM BIRCH RUN ROAD TO JUNCTION ROAD

Year: 2022-2023
Client: Saginaw County Road Commission, Daniel Armentrout (989) 534-1218
Location: Saginaw County
Spicer Group provided survey and design engineering services to the Saginaw County Road Commission for the Dixie Highway project. The project included 6.79 miles of HMA cold milling and resurfacing and pavement markings for the road diet (4-lane to 3-lane conversion). Also designed for the project was a roundabout at the Dixie Highway/Curtis Road intersection. This project was funded with a safety grant and was completed through MDOT's Local Agency Programs.

CODY ESTEY ROAD AND SHORE DRIVE

Year: 2022-2023
Client: Bay County Road Commission, Cory Wale, P.E., (989) 529-3323
Location: Bay County
Spicer Group provided survey and design engineering services to the Bay County Road Commission for the safety project on Cody Estey Road and Shore Drive from M-13 to Mt Forest Road. The project included 2.03 miles of HMA cold milling and resurfacing, high friction surface treatment, superelevation, shoulder improvements, shoulder and centerline corrugations, permanent signing, and pavement markings. This project was funded with a safety grant and was completed through MDOT's Local Agency Programs.

STOCKWELL ROAD

Year: 2021-2022
Client: Clare County Road Commission, Dewayne Rogers, (989) 971-3525
Location: Clare County
Spicer Group provided survey and design engineering services to the Clare County Road Commission for Stockwell Road from Old State Road to US-127 BR in Harrison. The project included 3.14 miles of HMA resurfacing, aggregate base conditioning, ditching, culvert replacements, intersection improvements, and pavement markings. This project was completed through MDOT's Local Agency Programs.



BRIDGE AND CULVERT DESIGN

Understanding of Services

Spicer Group is prequalified in ***Design – Bridges: Safety Inspection and Design – Bridges: Scoping*** as specified. When Ionia County assigns specific design tasks for Bridge and Culvert related projects, Spicer Group's Lead Bridge Engineer, Rich Kathrens, P.E., will be available to meet with the County's Project Engineer, either in person or via phone conference. Initial discussion may be needed to solidify the County's expectations regarding the types of structures to be considered for capital preventive maintenance, rehabilitation, or replacement.

We anticipate several additional contacts between our Project Manager and the County over the course of the project to ensure the assigned work is progressing in alignment with the County's expectations, which will include review discussions prior to making milestone submittals. Contact will immediately be made regarding any anticipated changes in the schedule.

Spicer Group has several built relationships with the MDOT Local Agency Bridge Program and understands the LAP design process. Once an MDOT LAP Staff Engineer has been assigned to review and oversee the LAP process, Spicer Group will work with them to develop any required Type, Size and Location (TS&L) and Grade Inspection (G.I.) submittals. We will also be in contact to verify that all of the elements of the complete bid package have been received and are in order at the end of the process.

We will follow up by providing EGLE/USACE with any requested information and submit the EGLE/ USACE Joint Permit Application if required. Spicer Group will coordinate with EGLE on behalf of Ionia County for any voluntary transportation site reviews. We will also prepare documentation for the State Historic Preservation Office (SHPO) to determine exempt status. If not deemed exempt, an application for Section 106 review will be prepared.

Although Spicer Group will be performing most of the design tasks in-house, an approved subconsultant will be utilized for the following services:

- Geotechnical investigation
- Mussel analysis, if needed
- Asbestos testing
- Underwater inspection

The design process will begin with initiating the structure and hydraulic survey, the geotechnical investigation and hydraulic analysis. We will also address the information given by EGLE with regard to requirements for a Joint Permit Application, which may involve a mussel analysis. The NEPA Environmental Clearance Form 5323 will be completed, a process we have worked through numerous times in the past few years. This will involve information and/or clearances for the many items bullet-listed in the RFP. Letter requests for utility information from the utility owners will also be sent out.

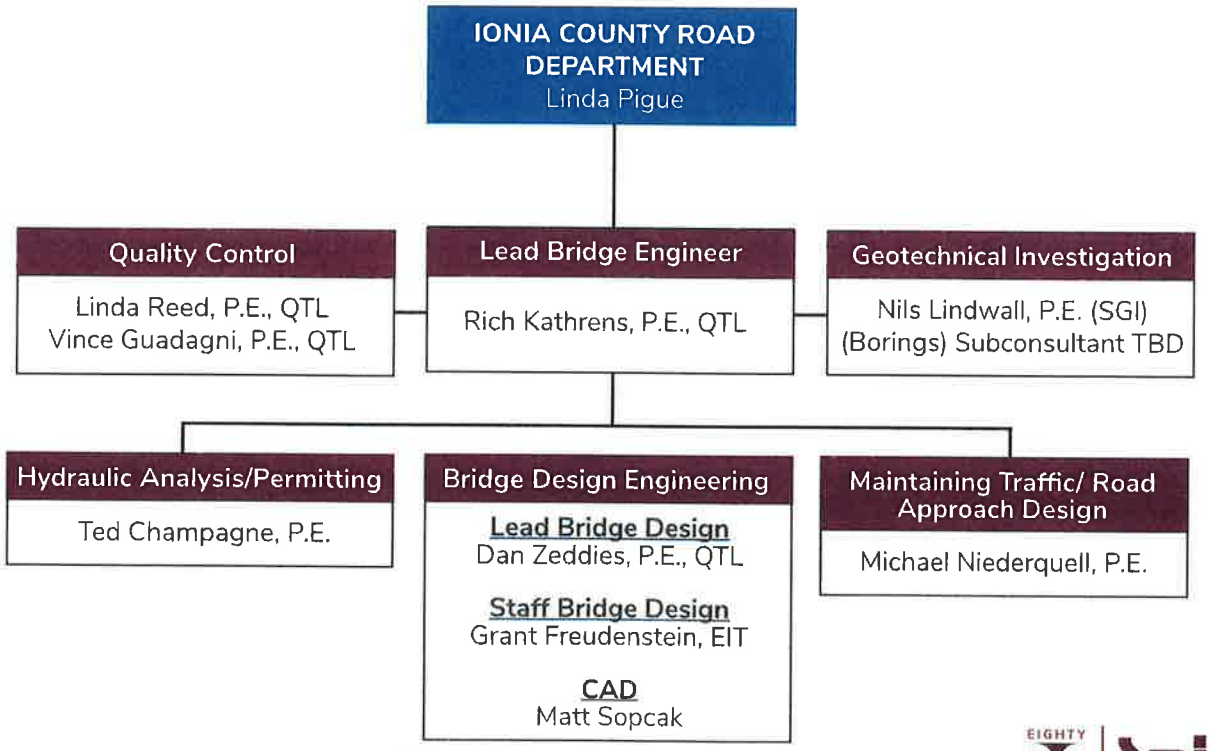
After gathering information from the structure and hydraulic survey and the geotechnical investigation, we will begin to verify and/or establish the preliminary design attributes for the repairs, rehabilitation, or replacement of the structures assigned. Once the preliminary design features are established, a TS&L or preliminary design submittal package will be generated. The preliminary design package will be sent to the County for their review. After review and comments, the final design package will be completed, which will include all plans, special provisions, and final engineers' estimates.

All the bridge and culvert designs shall be in accordance with AASHTO LRFD and MDOT standards. Design live loading shall be based on HL-93 modified. Contract documents shall be in accordance with MDOT 2020 Standard Specifications for Construction. Final load ratings shall be provided using the LRFR method.

Quality Control: Spicer Group has a company QA/QC Plan that covers policies and procedures for all projects Spicer Group completes. In accordance with MDOT and Federal requirements, Spicer Group has specific written Bridge Design Quality Control Procedures that meet the FHWA requirements.

Qualifications of Team

Spicer Group is providing a team of qualified engineers to provide bridge, hydraulic, and traffic engineering related to bridge and culvert design. This team has both MDOT and County agency experience ranging from minor maintenance work to full structure replacements.



RICHARD KATHRENS, P.E./QTL – QA/QC, Lead Bridge Engineer, will assist with the design of these structures and provide quality control during the design process. He has over 29 years of experience completing bridge inspection, bridge design, and load rating. He has completed bridge design projects and design calculations for concrete and steel structures and is very familiar with MDOT's design manual and design guides. During these design projects, Mr. Kathrens will provide additional oversight and experience to ensure the designs meet the latest AASHTO Bridge Design Specifications and the deliverables are in alignment with MDOT's LAP bridge design process and ICRD's requirements.

VINCE GUADAGNI, P.E./QTL, will be Spicer Group's **QA/QC Bridge Engineer** for this project. He will be the primary contact for the ICRD Project Engineer and the LAP Staff Engineer. He will be responsible for the quality and timeliness of all submittals. He will coordinate work with the Lead Design Engineer, Mr. Zeddies, the project team, and the subconsultant. He will attend all meetings and will keep the Project Engineer abreast of project status on a regular basis. Over the years, he has been the lead design engineer and Project Manager on multiple LAP bridge design projects for various local agencies. Recently, he has been the lead engineer and Project Manager on several bridge scoping and inspection projects for MDOT and local agencies.

DANIEL P. ZEDDIES, P.E./QTL – Lead Bridge Design Engineer, will be the lead bridge design engineer on this project. He is currently performing similar services for the City of Saginaw, Tuscola County, Bay County, and Saginaw County. His experience includes completing projects funded by MDOT's Local Agency Program (LAP) Bridge Funding and is very familiar with the LAP process. He has a strong relationship with the MDOT Bridge Design Coordinators. His design experience ranges include capital preventive maintenance repairs, deck replacements, superstructure replacements, and full structure replacements. Mr. Zeddies is also familiar with bridge inspection, bridge scoping, and bridge load rating. He has completed numerous load ratings using finite element analysis and the AASHTO BrR programs. His latest designs include precast box culverts and galvanized tub-girder superstructures.

MICHAEL NIEDERQUELL, P.E. – Maintenance of Traffic Engineer, will be the Lead Maintenance of Traffic and Road Approach Design Engineer for Spicer Group on this project. He has 26 years of experience mainly with MDOT and Local Agencies. He will be the lead traffic engineer developing the approach alignment and profiles for the proposed work included in this proposal. He is very experienced with developing construction maintaining traffic plans and has a deep understanding of MDOT and AASHTO road design manuals.

NILS LINDWALL, P.E. – Geotechnical Engineer, will coordinate services with our geotechnical subconsultant for the project and assist with substructure design. He has 24 years of geotechnical experience and has worked across the State of Michigan. He has provided geotechnical engineering support for many road-stream crossings ranging from box culverts to multiple span bridges. He is experienced with the substructure requirements of the AASHTO Bridge Design Specifications, as well as MDOT requirements.

TED CHAMPAGNE, P.E. – Hydraulic Engineer, will lead numeric modeling efforts for this project. He has performed similar services on numerous projects to verify proposed crossings meet applicable design standards (MDOT, County, local). He has experience with various hydrology and hydraulic modeling methods to ensure the appropriate method is utilized based on goals/reviewing agency/ floodplain impacts. He has also prepared numerous hydraulic studies for EGLE/MDOT and is very familiar with guidelines for both.

GRANT FREUDENSTEIN, EIT – Bridge Design Engineer, has 4 years of experience with bridge design and load rating and 3 years of bridge scoping experience. He has performed bridge design tasks for all of Spicer Group's projects listed below. He was instrumental in providing several load ratings and generating plan sheets in our urgent effort to get Macomb County in compliance with MDOT's 2021 deadline. He will be working directly with Dan Zeddies in designing the new structures and rehabilitations for this project as well as providing load ratings.

Past Performance

WAYNE COUNTY AS-NEEDED BRIDGE SAFETY INSPECTION AND LOAD RATING
Year: 2018 to current
Client: Wayne County Road Commission, Cheryl Smith, P.E. (734) 858-1877
Location: Wayne County
Spicer Group is responsible for completing routine inspections, fracture critical, in-depth inspections, and load ratings in accordance with the NBIS and MDOT policies. Services also include assisting Wayne County with developing the Wayne County Bridge Inspection Program and completing the Plan of Corrective Action (PCA) requirements as agreed upon with MDOT and FHWA.

MACOMB COUNTY BRIDGE SAFETY INSPECTION AND LOAD RATING
Year: 2020 to current
Client: Macomb County Dept. of Roads, Adam Newton, P.E. (586)463-8671
Location: Macomb County
Spicer Group is responsible for completing bridge inspections for 223 structures as needed, per MDOT requirements. Tasks include completing the fieldwork for detailed and hands on inspections and providing reports as necessary. Reports are completed according to the guidance provided in the Michigan Structure Inspection Manual (MiSIM), and information is being uploaded to MiBRIDGE. Load Ratings were completed in accordance with MDOT's Bridge Load Rating policies.

UNIVERSITY REGION BRIDGE ROUTINE AND IN-DEPTH SAFETY INSPECTIONS
Year: 2018 to current
Client: MDOT, Allie Nadjarian, P.E. (517) 331-6602
Location: Statewide
Spicer Group is responsible for completing an independent quality assurance review of the NBIS activities and verifying quality control measures are completed for all agencies part of the Michigan Bridge Inspection Program. This independent review is for both Local, MDOT, and miscellaneous State-owned structures and is an assessment of the bridge inspection procedures, bridge files, field reports, and load rating calculations for compliance with both MDOT and FHWA policies. Work performed includes performing field reviews, reviewing the quality and content of the bridge files, reviewing the accuracy of the load rating calculations, and meeting with the Bridge Owners to discuss potential safety and compliance issues with the NBIS.



CONSTRUCTION ENGINEERING AND INSPECTION

Understanding of Services

Spicer Group understands the requirements necessary to provide as-needed construction engineering and inspection services, as we have been providing these same services to multiple MDOT and Local Agencies since 2000. We are MDOT prequalified in all applicable categories to complete this work. Our staff is MDOT certified for HMA and Concrete Paving, SESC/Storm Water Operator, Office Technician, OSHA 10, First Aid, and CPR. Spicer Group is highly experienced in bridge construction and rehabilitation, HMA pavement rehabilitation and reconstruction, including crushing and shaping, and chip sealing.

Communication of information is key to successful construction projects. Chris Briggs, P.E., will be the contractual and daily point of contact, and he will be responsible for budget and QA/QC. He will work closely with the ICRD team to ensure all administrative tasks are completed. We are experienced in both Field Manager and AASHTOWare. All project records will be managed electronically utilizing MDOT's structured file system on ProjectWise or Microsoft SharePoint for non-MDOT projects. This allows for project documentation to be shared with the ICRD and allows the ICRD to view documentation such as Material Certifications, Pre-Production Meeting minutes, Density Reports, Concrete Field Reports, etc. as they are uploaded by the construction services team. In addition, Spicer Group will also provide a daily summary via email to the ICRD Project Team detailing all construction activities on the project.

We fully understand construction budgets and actively work to keep construction engineering fees within budget. We do this by actively reviewing the contractor's schedule and keeping the project on time, while also monitoring construction engineering costs weekly to ensure we meet our budget. Because our technicians are cross trained in both inspection and material testing, we can eliminate having a second person on a project to only complete a material testing task.

EQUIPMENT STATEMENT

Our technicians are equipped with all material testing equipment, paint inspection kits, density kits, concrete kits, sand patch kits, laptop/tablet computers, smart phones with functioning camera, wireless internet devices, and any other standard equipment required including concrete cylinders and beam molds.

Using wireless internet devices, each technician can access the most current MDOT documents, including Standard Plans, Construction Advisories, Material Source Guide, Wiki Construction Manual, Traffic Control Plans, MDOT Density Control Manual, Soil Erosion and Sediment Control Manual, and all other applicable publications and manuals at any time in the field. They are also able to maintain communication with key MDOT personnel regarding traffic control, deficient work, and other specialty items.

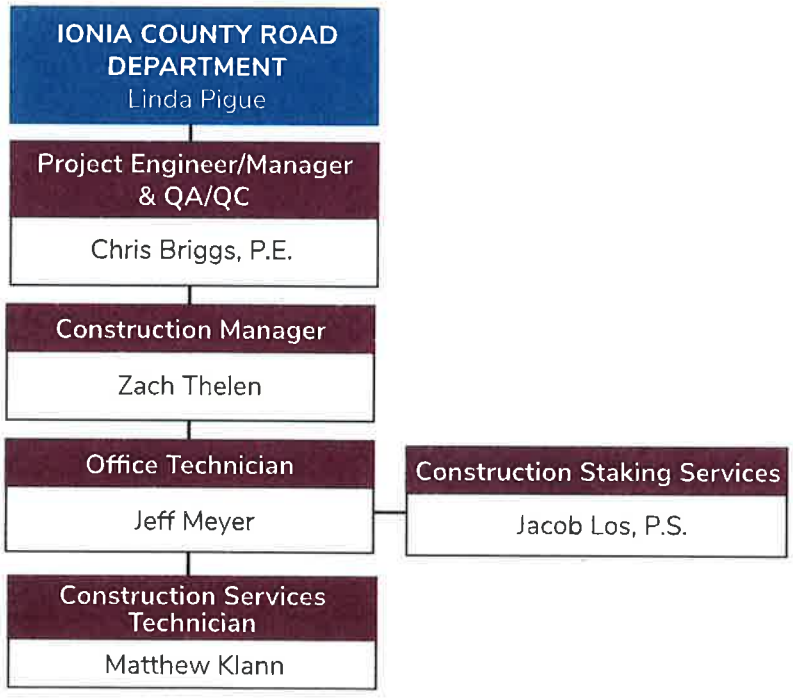
All printed reference material is updated annually, and all testing equipment is calibrated in accordance with MDOT standards. When a Spicer Group technician reports for work, they have all the resources and tools to get the job done.

CONSTRUCTION STAKING

Spicer Group's Survey Department will work with the ICRD to provide construction staking services. We will provide exceptional professional services and exceed expectations for quality work, responsiveness, and professionalism for the contract. All surveying operations will be in accordance with Section 824.03.A (Engineer's Staking) and 824.03.B (Contractors Staking) of the MDOT 2020 Standard Specifications for Construction. We fully understand that all staking required by the engineer and contractor will be our responsibility, and Spicer Group's surveying methods are designed around meeting the criteria for each of these specifications. We utilize the latest survey equipment and have over 27 crews statewide ready to provide construction staking services.

SAFETY

Spicer Group is dedicated to providing all team members, ICRD staff, contractor staff, and the general public with a safe project environment. The Spicer Group team is educated on all MDOT and MIOSHA safety practices and will comply with all safety provisions for this project. Spicer Group maintains a company-wide safety policy and training. We are committed to the health and protection of the general public, the contractor, and our employees. Our safety program was modeled on MDOT's safety policies.



Qualifications of Team

CHRIS BRIGGS, P.E. – Project Engineer/Manager and QA/QC

Mr. Briggs will serve as the Project Engineer and will be responsible for managing all budget and contractual obligations for this project. His role as the Project Engineer will be to work closely with the ICRD Managing Director, Linda Pigue, to relay all crucial data such as a change in schedule, contractor claims, traffic/mobility issues and lane closures, etc. Mr. Briggs is a professional engineer who has been performing field engineering, office technician services, and project management for 9 years on DOT and LAP projects. He will be responsible for the implementation of Spicer Group's quality assurance and quality control procedures. Mr. Briggs fully understands what must be accomplished both in the field and the office to allow a project to be completed on time and within budget.

ZACH THELEN – Construction Manager

Mr. Thelen will serve as Construction Manager, and he will be performing the day-to-day management, coordination, and communication with the contractor. He will be in constant contact with the Project Engineer, Chris Briggs, P.E., and the ICRD Project Manager to keep them up-to-date on the project status. With over 20 years of experience, Mr. Thelen has been the lead technician on numerous multi-million-dollar road and bridge construction projects, in addition to providing technical and engineering services for multiple MDOT TSCs. Mr. Thelen has a high level of detail when it comes to project documentation, and he brings exceptional value to any project due to his various skill sets and his ability to adapt quickly to complex construction.

JEFF MEYER – Office Technician

Mr. Meyer will be serving as the Office Technician for this project. Mr. Meyer has over 20 years of experience and has acted as the Office Technician and lead technician for numerous high- profile MDOT and MDOT LAP projects throughout the state of Michigan. He is highly proficient in all aspects of road and bridge construction and has led other technicians while ensuring all aspects of the project are built in accordance with the plans and specifications. Mr. Meyer has a complete and thorough understanding of MDOT's project documentation requirements, and it has been his knowledge of MDOT's standards and construction practices that have made him an asset on many projects.

MATTHEW KLANN – Construction Services Technician

Mr. Klann will provide as-needed inspection and material testing for ICRD. Mr. Klann has eight years of construction inspection and material testing experience on a wide variety of MDOT and local agency projects throughout Michigan. Currently, Mr. Klann is providing full-time inspection and material testing on I-69BL over the Battle Creek River. The project includes removal of the existing structure, diverting the Battle Creek River, and installation of a 48' x 10' precast concrete box culvert and wing walls. This project involves a complex cofferdam design in order to divert the Battle Creek River for construction of the box culvert. Mr. Klann is familiar with all the standards, manuals, and guidelines used by the MDOT.

JACOB LOS, P.S. – Construction Staking Services

Mr. Los will provide construction staking services for the project. He is a well-rounded Professional Surveyor with experience both in the field and, most recently, moving into the role of Project Management. His experience with past firms and extracurricular work in the surveying field has prepared him for Survey Project Management. In his time at Spicer Group, he has taken staff under his wing to mentor, teach, and grow his management skills. Mr. Los is versed in using total stations, digital levels, and Drone technology. Additionally, Mr. Los is proficient in using software programs including but not limited to Open Roads, MicroStation, Civil3D, AutoCAD, Leica Infinity, and Microsoft Excel for managing and collecting data.

ADDITIONAL STAFFING RESOURCES

Spicer Group is a full-construction engineering firm comprised of professional surveyors and numerous municipal, structural, transportation, and construction engineers. We have over 40 MDOT qualified Construction Services Technicians and are fully committed to supplying a team of professionals with the experience required to provide exceptional full-construction engineering services for the ICRD.

Past Performance

FINZEL ROAD OVER STONY CREEK

Year: 2023 to current
Client: Monroe County Road Commission, Matthew McBreairty (734) 240-5137
Location: Monroe County
Spicer Group provided full-construction engineering services to the Monroe County Road Commission for Finzel Road over Stony Creek. The project included bridge replacement removal and replacement with 30-inch steel tub girders and cast-in-place concrete slab and approach work.

OAKVILLE WALTZ ROAD

Year: 2018
Client: Monroe County Road Commission, Michael Smith, (734) 240-5102
Location: Monroe County
Spicer Group provided full-construction engineering services to the Monroe County Road Commission for Oakville Waltz Road from Sumpter Road to Exeter Road and on Luna Pier Road from M-125 to I-75. The project included 5.23 miles of HMA ultra-thin overlay, aggregate shoulders, shoulder and centerline corrugations, and pavement markings.

US-24 FROM BUHL ROAD TO NEWPORT ROAD

Year: 2019-2020
Client: MDOT Brighton TSC, James Daavettila, P.E., (810) 227-4681
Location: Monroe County
Spicer Group provided full-construction engineering services to the Brighton TSC for US-24 from Buhl Road to Newport Road. The project included 2.23 miles of HMA cold milling and resurfacing, intersection widening to add center left turn lanes, culvert replacement, and pavement markings.



GEOTECHNICAL ENGINEERING AND MATERIALS TESTING

Understanding of Services

Spicer Group is aware of the requirements necessary to provide As-needed Geotechnical Engineering and Material Testing Services, as we have been providing these same services to multiple MDOT and Local Agencies since 2000. To complete the required services, we will team with PSI Intertek. Together, the team meets all required MDOT pre-qualifications needed to complete the proposed work. Spicer Group will perform all required field testing related to density testing of HMA and aggregates, and field testing of concrete. Spicer Group has over 40 MDOT-certified testers that have provided these same services to MDOT and County Road Commissions all over the State. Each technician is cross-trained in both density and field testing of concrete.

PSI Intertek will provide HMA Plant Inspection, Laboratory testing of aggregates and concrete, density testing, field testing of concrete, and specialized services for soil borings, geotechnical reports, Lead based paint surveys, and asbestos surveys. PSI offers complete services in geotechnical engineering, construction material testing and observation services, and environmental services. PSI has offices in nearby Lansing and Saginaw, with many full-service accredited laboratories throughout the state. Their total staff in Michigan exceeds 150 personnel. PSI also operates approximately 100 other office locations throughout the U.S. PSI can bring national resources to any project with the vast network of offices that they have, which may result in tremendous cost savings to ICRD projects.



BRIDGE AND CULVERT INSPECTIONS

Understanding of Services

Spicer Group is prequalified in ***Design – Bridges: Safety Inspection and Design – Bridges: Scoping*** as specified. Spicer Group will provide up to five (5) NBI qualified team leaders (QTL) and professional structural engineers experienced with bridge structures to complete the tasks described in the scope of services in alignment with State and Federal Inspection procedures.

The primary objective of this project will be to complete bridge and culvert Inspections for structures under Ionia County's jurisdiction. Additional services, as requested, will include in-depth & bridge scoping inspections, railroad right of entry & permitting, and scour/waterway evaluations. Primary reporting will include the MiBRIDGE Routine and Element Level inspection reports and providing supplemental reports for streambed cross sections, in-depth inspections, mini scopes, and up to full bridge scoping reports. Detailed measurements, such as sketches, beam end measurements, concrete soundings, etc., will be uploaded to MiBRIDGE.

Field evaluations will be completed using a minimum of a 2-person team and can be increased to three 2-person teams depending on the demand and work assignments. Multiple teams can be provided to meet schedule demands or take advantage of unexpected roadway closures and will be available to respond within 12 to 24 hours. The Spicer Group teams will complete the field work to obtain the necessary condition information in a systematic pattern to ensure consistency and completeness of the data collected. A conscious effort will be made to ensure consistency with the data reported on the NBI and Element level reports.

Structure Condition data will be summarized in the reports to justify the condition ratings. As part of the routine inspection process, the Spicer inspectors will carry digital calipers, crack comparator cards, hammers, sounding rods, paint, etc., which is normally in-depth inspection equipment, to help capture accurate quantities of defects, section loss, mark delaminations, and measure crack widths. Using these tools during the routine inspection will help provide more accuracy with the data and can help determine if a more in-depth inspection is needed. Any damage to the structure will be accurately measured and documented in the report for future reference. Special attention will be given to most problematic areas, such as concrete delaminations, steel section loss or concrete spalling at beam ends, fatigue cracking, tilted bearings, spalls/delaminations in substructures under bearings, approach slope failures, and scour along footings. Photographs will be obtained as listed in the scope and will be taken with iPad descriptions, and defects will be marked on the photo.

AS-NEEDED ENGINEERING SERVICE CATEGORIES

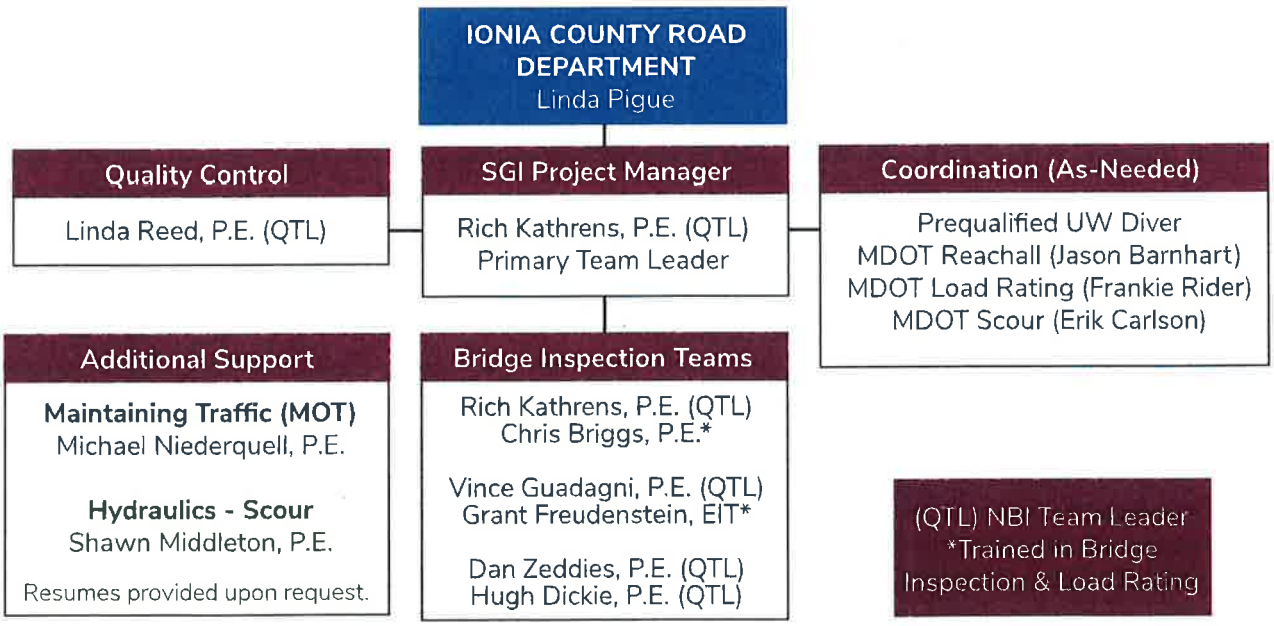
Once the type of inspection and bridges are assigned to Spicer Group, the Spicer Project Manager will review the available information. The Spicer Project Manager will coordinate with the County to discuss the inspection requirements and develop a tentative schedule for the field work and report delivery. If an in-depth/scoping inspection is assigned, access and temporary traffic control needs will be evaluated and if access to a structure requires railroad coordination, this coordination will begin immediately to obtain the appropriate permits.

For issues discovered during the field work that require action, Mr. Kathrens and/or Mr. Briggs will contact the ICRD Project Manager to discuss the finding. If the issue has an impact on safety, contact will be made immediately via phone call. During the communication process, a determination on how to report the finding will be made. Generally, this results in a Request for Action (RFA). The RFA will be documented and assigned to the appropriate person along with providing guidance on access, traffic control, temporary support measurements, etc.

Equipment: Spicer owns and maintains all the equipment necessary to complete the routine, in-depth inspections, including ultrasonic thickness gauges, dye penetrant test kits, air meters, confined space tripods/harnesses, boats/float tubes, hammer drills (minor deck scaling), and a 45-ft reach bucket truck.

Qualifications of Team

We are providing multiple bridge and culvert inspection team leaders with over 100 years of combined MDOT and Local Agency experience related to completing NBI, Element, In-Depth, and Bridge Scoping inspections. The Spicer Group Project Manager has extensive knowledge working with MDOT, the MDOT Reachall Crew, Railroad Owners, and MOT Vendors and will be responsible for all coordination and communication as it relates to this project.



Key Personnel

Listed below are personnel available immediately to respond to the Ionia County Road Department for their routine and in-depth inspection needs. Please reference the attached resumes for specific qualifications and experience directly related to this project. The Spicer Group Project Manager has extensive knowledge of bridge and culvert structures and understands the unique access required such has confined space, aerial lifts, and railroad coordination.

RICHARD KATHRENS, P.E. – Bridge & Culvert Team Leader, QTL, Quality Assurance

Mr. Kathrens will be an additional team leader assigned to this project. He has spent the majority of his career completing bridge safety inspections. He has been trained at the S-Brite Center in Steel Fatigue Inspection. Mr. Kathrens will complete and/or review all reports and summaries prior to submittal to Ionia County. He will work closely with Mr. Guadagni to deliver the inspection reports and details with appropriate repair alternatives as needed to support Ionia County's bridge and culvert program needs.

LINDA REED, P.E. – QTL, Bridge Inspection Engineer, Quality Control

Ms. Reed will be the primary quality control engineer and will complete QC on the team leaders. Her primary role will be providing quality control for field work and reviewing reports for content and alignment with MDOT's standards of practice. Ms. Reed has an excellent knowledge of MDOT's bridge inspection and scoping procedures and will utilize her experience with MDOT's bridge program to provide an overall project quality control review for all field work and reports.

DAN ZEDDIES, P.E./QTL, HUGH DICKIE, P.E./QTL, GRANT FREUDENSTEIN, EIT

Mr. Freudenstein is a structural engineer that has completed the NHI inspection prerequisite, and Mr. Zeddies and Mr. Dickie are bridge inspection QTLs. All three gentlemen have assisted on hundreds of NBI inspections and will be teamed with the other QTLs to assist with completing the routine, in-depth and scoping inspections. They have extensive experience collecting bridge field condition information, such as beam end evaluation and concrete deck sounding.

Past Performance

WAYNE COUNTY AS-NEEDED BRIDGE SAFETY INSPECTION AND LOAD RATING

Year: 2018 to current
Client: Wayne County Road Department, Cheryl Smith, P.E. (734) 858-1877
Location: Wayne County
Spicer Group is responsible for completing routine inspections, fracture critical, in-depth inspections, and load ratings in accordance with the NBIS and MDOT policies. Services also include assisting Wayne County with developing the Wayne County Bridge Inspection Program and completing the Plan of Corrective Action (PCA) requirements as agreed upon with MDOT and FHWA.

MACOMB COUNTY BRIDGE SAFETY INSPECTION AND LOAD RATING

Year: 2020 to current
Client: Macomb County Dept. of Roads, Adam Newton, P.E. (586)463-8671
Location: Macomb County
Spicer Group is responsible for completing bridge inspections for 223 structures as needed, per MDOT requirements. Tasks include completing the fieldwork for detailed and hands on inspections and providing reports as necessary. Reports are completed according to the guidance provided in the

Michigan Structure Inspection Manual (MiSIM), and information is being uploaded to MiBRIDGE. Load Ratings were completed in accordance with MDOT's Bridge Load Rating policies.

UNIVERSITY REGION BRIDGE ROUTINE AND IN-DEPTH SAFETY INSPECTIONS

Year: 2018 to current

Client: MDOT, Allie Nadjarian, P.E. (517) 331-6602

Location: Statewide

Spicer Group is responsible for completing an independent quality assurance review of the NBIS activities and verifying quality control measures are completed for all agencies part of the Michigan Bridge Inspection Program. This independent review is for both Local, MDOT, and miscellaneous State-owned structures and is an assessment of the bridge inspection procedures, bridge files, field reports, and load rating calculations for compliance with both MDOT and FHWA policies. Work performed includes, performing field reviews, reviewing the quality and content of the bridge files, reviewing the accuracy of the load rating calculations, and meeting with the Bridge Owners to discuss potential safety and compliance issues with the NBIS.

CHRISTOPHER C. BRIGGS, PE

ROLE ON THIS PROJECT: Project Manager/ Construction Manager II/Engineering Assistance
YEARS OF EXPERIENCE: Spicer Group – 0.5 | Other Firms – 9

GENERAL EXPERIENCE AND QUALIFICATIONS

Mr. Briggs received his bachelor's degree in Civil Engineering from the University of Central Florida. Mr. Briggs is a Construction Engineer and Project Manager for Spicer Group's Construction Engineering and Inspection Group. He has 9 years of experience in the transportation engineering industry, previously serving FDOT for 4 years as a Bridge Load Rating Specialist for District 5 and later as a Construction Project Administrator. His background includes assisting with bridge inspections, performing and reviewing bridge load capacity analyses, and design of bridge repair projects. Following his FDOT experience, Chris took his expertise to a consultant within the construction engineering and inspection industry for the last 5 years as a Project Administrator and subsequently as Senior Project Engineer for bridge projects in FDOT's District 5.

EDUCATION

B.S. Civil Engineering, University of Central Florida, 2016

LICENSES/REGISTRATION

Professional Engineer: Michigan, 2024 (6201313800), Florida, 2020 (89973)

ADDITIONAL TRAINING

- NHI 130056 Safety Inspection of In-Service Bridges for Prof Engineers
- NHI 130081 LRFD for Highway Bridge Superstructures
- NHI 130092 Load and Resistance Factor Rating of Highway Bridges
- NHI 130078 Bridge Inspection Techniques for Nonredundant Steel Tension Members (NSTM)
- FDOT Asphalt Levels 1 & 2
- FDOT Final Estimates Levels 1 & 2 (Office Technician Equivalent)
- FDOT Earthwork Levels 1 & 2
- ACI Concrete Level 1
- OSHA 10 Hour Construction Safety and Health
- Troxler Nuclear Testing Safety
- FDOT Advanced MOT Training
- FDOT AASHTOWare Training (PrC)
- FDOT Material Acceptance and Certification Training (MAC)
- First Aid and CPR training
- EEO/ DBE Training
- MDOT Density Technology
- MDOT Load Rating BrR Training

SIMILAR EXPERIENCE	
US-24 Single Course Mill & Fill **CS** 58052 **JN** 208701 **Year:** 2024 **Location:** Monroe County **Vendor Role:** As-Needed Construction Engineering	**Project Engineer** responsible for day-to-day managing, coordination, and communication with the contractor and the technicians for US-24 to M-125. Project included 2.56 mi of hot mix asphalt cold milling and single course overlay, traffic signal detector replacement and pavement markings on US-24 from north of Wood Road to South Otter Creek Road and on the M-125 Connector (Luna Pier Road) from US-24 to M-125, Monroe County. **Client Contact**: MDOT Brighton TSC, Jim Daavettila, P.E. (810) 225-2602 **Service Budget:** $124,363 **Construction Budget:** $1,230,086
M-17 from Carpenter Road to Summit Road **CS** 81081 **JN** 211156 **Year:** 2024 **Location:** Washtenaw County **Vendor Role:** As-Needed Construction Engineering	**Project Engineer** responsible for day-to-day managing, coordination, and communication with the contractor and the technicians for M-17 concrete pavement repair and pavement markings. Project included 2.93 mi of full depth concrete pavement repair and pavement markings on M-17/Washtenaw Avenue from Carpenter Road to Summit Street in the city of Ypsilanti, Washtenaw County. **Client Contact**: MDOT Brighton TSC, Jim Daavettila, P.E. (810) 225-2602 **Service Budget:** $181,185 **Construction Budget:** $890,965

CHRISTOPHER C. BRIGGS, PE

SIMILAR EXPERIENCE	
FDOT District 5, Barracuda Bridge Replacement **FIN 437935-1-52-01** **Year:** 2022 **Location:** Florida **Vendor Role:** Prime	**Senior Project Engineer** responsible for project oversight and conformance with the Contract. Project included full re-construction of bridge over Bradano Canal with new road alignment, including new drainage components and utility relocations. **Client Contact:** FDOT, Glenn Raney, Project Manager. (386) 740-3524 **Service Budget:** $800,000 **Construction Budget:** $6.2M
FDOT District 5, SR-44 over Indian River **FIN 448889-1-52-01** **Year:** 2022 **Location:** Florida **Vendor Role:** Prime	**Senior Project Engineer** responsible for project oversight and conformance with the Contract. Project included bascule bridge electrical component rehabilitation to replace damaged submarine cables. **Client Contact:** FDOT, Glenn Raney, Project Manager. (386) 740-3524 **Service Budget:** $200,000 **Construction Budget:** $2.1M
FDOT District 5, SR-44 Bridge Replacement **FIN 429556-1-52-01** **Year: 2020** **Location: Florida** **Vendor Role: Prime**	**Project Engineer/ Project Administrator** responsible for overall project and conformance with the Contract. Project included new mid-level fixed bridge replacing the existing bascule bridge over St. John's River. Full road realignment with new construction including drainage, ponds, MSE wall, surcharge, and shared use paths/ sidewalks. **Client Contact:** FDOT, Glenn Raney, Project Manager. (386) 740-3524 **Service Budget:** $6,000,000 **Construction Budget:** $47.2M
FDOT SunRail, CFRC Rail Bridge over SJ River **FIN 436436-1-52-04** **Year:** 2019 **Location:** Florida **Vendor Role:** Prime	**Project Engineer/ Project Administrator** responsible for overall project and conformance with the Contract. Project included replacement of 4 fixed spans with prefabricated spans on the railroad bridge over the St. Johns River. This project also included the replacement of hundreds of high strength steel bolts and other repairs on the existing structure. **Client Contact:** FDOT/ SunRail, Rob McDaniels, Project Manager. (321) 257-7164 **Service Budget:** $90,000 **Construction Budget:** $3.6M
FDOT District 5, I-95 widening including full reconstruction of I-4/I-95 **FIN 242715-1-52-01** **Year:** 2019 **Location:** Florida **Vendor Role:** N/A	**CEI Project Manager** responsible for acting as liaison between consultant and FDOT and ensuring conformance with the CEI Contract. This project involved widening I-95 from the existing 4-lane facility to a 6-lane interstate highway from north of SR 44 to north of US 92 for approximately 13 miles, reconstructing all bridges, realigning multiple ramps, and installing all new drainage, retaining walls, highway lighting, signing and pavements markings, and new ITS. **Client Contact:** FDOT, Glenn Raney, Project Manager. (386) 740-3524 **Service Budget:** N/A **Construction Budget:** $205M
FDOT District 5, Hurricane Repairs to A1A, Flagler Co. **FIN 440557-1-52-01** **Year:** 2019 **Location:** Florida **Vendor Role:** N/A	**CEI Project Manager** responsible for acting as liaison between consultant and FDOT and ensuring conformance with the CEI Contract. This project involved installation of a secant pile wall built for nearly 1- mile along the beach utilizing GFRP bars for the saltwater environment. SR-A1A in Flagler Beach was reconstructed with the use of a median exfiltration system. **Client Contact:** FDOT, Rafael Rodriguez, PE, Construction Engineer. (386) 740-3594 **Service Budget:** N/A **Construction Budget:** $22M

MICHAEL G. NIEDERQUELL, P.E.

ROLE ON THIS PROJECT: Road Design Project Manager
YEARS OF EXPERIENCE: Spicer Group – 10.5 | Other Firms – 16

GENERAL EXPERIENCE AND QUALIFICATIONS

Mr. Niederquell is involved in the preparation of construction plans, specifications, and cost estimates for state, municipal, and county roadways. His design experience includes reconstruction and resurfacing road projects, shared use path, storm sewer design, utility conflict resolution, maintaining traffic, right-of-way acquisition, and guardrail improvements. He has also designed freeway and non-freeway signing plans. Mr. Niederquell has designed over 2,640 miles of non-freeway signing and 240 miles of freeway signing. He is very experienced with AASHTO, MDOT, AWWA, ASTM, and OSHA codes, standards, and procedures. He regularly coordinates and receives necessary permits for projects involving MDOT, EGLE, and county drains.

EDUCATION

Bachelor of Science, Civil Engineering, 1998, Michigan State University, East Lansing, MI
Master of Science, Civil Engineering, 1999, Michigan State University, East Lansing, MI

LICENSES/REGISTRATION

Professional Engineer: Michigan 2003, (6201049825)

ADDITIONAL TRAINING

- Storm Water Management: Construction Site
- Soil Erosion Sedimentation Control Plan Review and Design
- MiSigns Advanced Training
- American Red Cross First Aid/CPR/AED
- OSHA 10 Hour Construction Safety and Health

SIMILAR EXPERIENCE	
M-58 Reconstruction **CS** 73073 **JN** 204381 **Year:** 2022-2024 **Location:** Saginaw **Vendor Role:** Design Engineering Services	**Project Manager** responsible for plans and specifications for 1.1 miles reconstruction, combined sanitary, storm sewer, water main, maintaining traffic, pavement markings, permanent signing, traffic signal, and construction cost estimate. Project included mobile LiDar survey, geotechnical investigation, subsurface utility engineering, and coordination with local government agencies. This project was located between Avalon Avenue and M-84 (Bay Street). **Client Contact:** MDOT, Don Matula, P.E. (989) 233-5511 **Service Budget:** $1,499,660 **Construction Budget:** $10,800,000
M-71 Reconstruction **CS** 76041 **JN** 215017 **Year:** 2023-2024 **Location:** Owosso **Vendor Role:** Design Engineering Services	**Project Manager and Project Engineer** responsible for plans and specifications for 0.4 miles rehabilitation (Water Street), QAQC of reconstruction (Washington Street), water main (Washington Street), permanent signing, and construction cost estimate for the reconstruction. Project included coordination with local government agencies. This project was located between Corunna Road and M-21, Shiawassee County. **Client Contact:** Michael Baker International, Jeremy Curtis, P.E. (313) 418-0928 **Service Budget:** $258,405 **Construction Budget:** $5,550,000
Van Cleve Road Shoulder Widening **Year:** 2022-2024 **Location:** Tuscola County **Vendor Role:** Design Engineering Services	**Project Manager and Project Engineer** responsible for plans and specifications for 1.0 mile of shoulder rehabilitation for bicycle route, drainage, maintaining traffic, pavement markings, permanent signing, and construction cost estimate. Project included plans and coordination with local government agencies. **Client Contact:** Tuscola County Road Commission, William Green (989) 673-2128 **Service Budget:** $78,000 **Construction Budget:** $950,000

MICHAEL G. NIEDERQUELL, P.E.

SIMILAR EXPERIENCE	
Tittabawassee Road at River Road **CS** 73000 **JN** 216422, 217907 **Year:** 2023-2024 **Location:** Saginaw County **Vendor Role:** Design Engineering Services	**Project Manager and Project Engineer** responsible for plans and specifications for 2.5 miles rehabilitation, shoulder paving, and construction cost estimate from Curve Road to the Tittabawassee River. Project included log plans, permitting and coordination with local government agencies. A roundabout was designed at the River Road intersection. This project was partially funded with a safety grant and completed through MDOT's Local Agency Programs, Thomas and Tittabawassee Townships, Saginaw County. **Client Contact:** Saginaw County Road Commission, Daniel Armentrout, P.E. (989) 399-3761 **Service Budget:** $78,950 **Construction Budget:** $1,950,000
McCarty Road Rehabilitation **CS** 73000 **JN** 217902 **Year:** 2023 **Location:** Saginaw County **Vendor Role:** Design Engineering Services	**Project Manager and Project Engineer** responsible for plans and specifications for 2.5 miles rehabilitation, shoulder paving, maintaining traffic, and construction cost estimate from Hospital Road to Hemmeter Road. Project included log plans, permitting and coordination with local government agencies. This project was completed through MDOT's Local Agency Programs, Saginaw Township, Saginaw County. **Client Contact:** Saginaw County Road Commission, Daniel Armentrout, P.E. (989) 399-3761 **Service Budget:** $17,950 **Construction Budget:** $900,000
Curtis Road Rehabilitation **CS** 73000 **JN** 216787 **Year:** 2022-2023 **Location:** Saginaw County **Vendor Role:** Design Engineering Services	**Project Manager and Project Engineer** responsible for plans and specifications for 1.55 miles rehabilitation, shoulder widening, and construction cost estimate for the Curtis Road Rehabilitation. Project included log plans, permitting and coordination with local government agencies. This project was funded by the FLAP and completed through MDOT's Local Agency Programs, Spaulding Township, Saginaw County. **Client Contact:** Saginaw County Road Commission, Daniel Armentrout, P.E. (989) 399-3761 **Service Budget:** $37,250 **Construction Budget:** $854,000
Dixie Highway Rehabilitation **CS** 73000 **JN** 214006, 215492 **Year:** 2022-2023 **Location:** Saginaw County **Vendor Role:** Design Engineering Services	**Project Manager and Project Engineer** responsible for plans and specifications for 6.5 miles rehabilitation, shoulder paving, and construction cost estimate from Birch Run Road to Junction Road. Project included log plans, permitting and coordination with local government agencies. A roundabout was designed at the Curtis Road intersection. This project was partially funded with a safety grant and completed through MDOT's Local Agency Programs, Birch Run and Bridgeport Townships, Saginaw County. **Client Contact:** Saginaw County Road Commission, Daniel Armentrout, P.E. (989) 399-3761 **Service Budget:** $87,650 **Construction Budget:** $4,750,000
Euclid Road Reconstruction **Year:** 2021-2022 **Location:** Bay County **Vendor Role:** Design Engineering Services	**Project Manager** responsible for plans and specifications for 1 mile HMA reconstruction, drainage, water main, maintaining traffic, pavement markings, permanent signing, hawk traffic signal, and construction cost estimate from Hotchkiss Road to M-84. Project included topographic survey and coordination with local government agencies. This project was completed with Economic Development Funding, Bay County. **Client Contact:** Bay County Road Commission, Cory Wale, P.E. (989) 686-4610 **Service Budget:** $124,115 **Construction Budget:** $4,050,000
Stockwell Road Paving **CS** 18000 **JN** 214115 **Year:** 2021-2022 **Location:** Clare County **Vendor Role:** Design Engineering Services	**Project Manager** responsible for plans and specifications for 3.1 miles HMA resurfacing, drainage reconstruction, maintaining traffic, pavement markings, permanent signing, and construction cost estimate from Old State Road to US-127 BR. Project included topographic survey and coordination with local government agencies. This project was completed through MDOT's Local Agency Programs, Clare County. **Client Contact:** Clare County Road Commission, Dewayne Rogers (989) 971-3525 **Service Budget:** $74,057 **Construction Budget:** $2,230,000

TED M. CHAMPAGNE, P.E.

ROLE ON THIS PROJECT: Hydrologic Analysis / Permitting

YEARS OF EXPERIENCE: Spicer Group – 8 years

GENERAL EXPERIENCE AND QUALIFICATIONS

Mr. Champagne works on watershed management projects and specializes in numeric modeling of water systems. During the past eight years he has used a variety of modeling programs to evaluate the anticipated level of services for sanitary, storm, and combined sewer systems. These assessments require the use of both steady state hydraulic computer modeling (HEC-RAS), and unsteady state hydraulic computer modeling (SWMM). Mr. Champagne specializes in the design and drafting of open drainage and closed storm sewer projects. His work also includes preparing county drain route and course and easement legal descriptions, and special assessment rolls. He is also responsible for construction project administration including working with inspectors, contractors, and landowners to interpret plans and provide solutions to construction problems. Mr. Champagne is also skilled at drafting in AutoCAD and utilizing GIS and data management software. He is adept in the following software and programing languages: AutoCAD Civil3D, ArcGIS 10.7, SWMM, SSOAP, HEC-RAS, HEC-HMS, C++, and Visual Basic.

EDUCATION

Master of Science Civil Engineering, Michigan Technological University 2011

Bachelor of Science Civil Engineering, Michigan Technological University 2009

LICENSES/REGISTRATION

Professional Engineer, State of Michigan, 2018, License #6201067490

ADDITIONAL TRAINING

– Stormwater Management Construction Site

– SESC Comprehensive

SIMILAR EXPERIENCE	
MDOT Office of Rail As-Needed - Quandel **CS** 84900 **JN** 130020SG2021 **Year:** 2021-Ongoing **Location:** MI – Statewide **Vendor Role:** Subconsultant	**Hydraulic Engineer** responsible for reviewing existing and proposed condition HEC-RAS models for railroad crossings over O'Connor Drain, Salt River, South Branch of Boardman River, and a natural watercourse. Ensure best practices and design guidelines are followed to meet MDOT standards and EGLE requirements. Utilize design flow rates as provided by EGLE and FIS reports to establish HEC-RAS boundary conditions and tie model into 100-year floodplain. Coordinate during bridge design to ensure proposed bridge/abutment design does not negatively impact floodplain or upstream flows. **Client Contact:** Quandel Consultants, Joseph Ivan (989) 921-5540 **Service Budget:** $145,500
Akron and Garner Roads – Bridge Design **CS** N/A **JN** 131866SG2022 **Year:** 2022-Ongoing **Location:** Tuscola County, MI **Vendor Role:** Prime	**Hydraulic Engineer** responsible for preparing hydraulic calculations for existing and proposed conditions model of bridge and abutments for Akron Road crossing of Northwest Drain in Tuscola County. Ensure best practices and design guidelines are followed to meet Road Commission standards and EGLE requirements. Request flowrates from EGLE and use FIS report to establish HEC-RAS boundary conditions and tie model into FEMA Zone A 100-year floodplain. Coordinate during bridge design to ensure proposed bridge/abutment design does not negatively impact floodplain or upstream flows. Prepare calculations to estimate erosion/scour and size riprap to provide stable bed/banks at crossing. **Client Contact:** Tuscola County Road Commission (989) 673-3294 **Service Budget:** $105,000 **Construction Budget:** $1,750,000

TED M. CHAMPAGNE, P.E.

SIMILAR EXPERIENCE	
Barnes Road Bridge Design CS N/A JN 132175SG2022 Year: 2022-Ongoing Location: Tuscola County, MI Vendor Role: Prime	Hydraulic Engineer responsible for preparing hydraulic calculations for existing and proposed crossings of three crossings over Perry Creek on Barnes Road in Tuscola County. Ensure best practices and design guidelines are followed to meet Road Commission standards and EGLE requirements. Coordinate with EGLE for flood discharge rates. Use FEMA FIS reports to establish HEC-RAS boundary conditions and tie model into 100-year floodplain. Coordinate during crossing design to ensure proposed bridge/abutment and concrete box culvert design does not negatively impact floodplain or upstream flows. Client Contact: Tuscola County Road Commission (989) 673-3294 Service Budget: $123,000 Construction Budget: $2,000,000
Midland Trail Poseyville Road CS N/A JN 132907SG2022 Year: 2022-Ongoing Location: Midland County, MI Vendor Role: Prime	Hydraulic Engineer responsible for preparing hydraulic calculations for existing and proposed conditions for a new pedestrian crossing of Bullock Creek in Midland County. Ensure best practices and design guidelines are followed to meet Midland Township standards and EGLE requirements. Utilize design flow rates as provided by EGLE and FIS reports to establish HEC-RAS boundary conditions and tie model into 100-year floodplain. Coordinate during pedestrian bridge design to ensure proposed bridge/pier/abutment design does not negatively impact floodplain or upstream flows. Client Contact: Midland Township (989) 835-1785 Service Budget: $158,000 Construction Budget: $1,100,000
Doud Road Bridge Design CS N/A JN 133879SG2023 Year: 2023-Ongoing Location: Bay County, MI Vendor Role: Prime	Hydraulic Engineer responsible for preparing hydraulic calculations for existing and proposed bridge and abutments for Doud Road crossing over N. Kawkawlin River in Bay County. Ensure best practices and design guidelines are followed to meet Road Commission standards and EGLE requirements. Request flood discharge rates from EGLE. Develop HEC-RAS downstream boundary condition based on FIS reports and FEMA 100-year floodplain boundary. Coordinate during bridge design to ensure proposed bridge/abutment design does not negatively impact floodplain or upstream flows. Prepare calculations to estimate erosion/scour and size riprap to provide stable bed/banks at crossing. Client Contact: Bay County Road Commission, Cory Wale, P.E. (989) 529-3323 Service Budget: $79,000 Construction Budget: $2,600,000
Dobson Drain CS N/A JN 130470SG2021 Year: 2021-Ongoing Location: Arenac County, MI Vendor Role: Prime	Hydraulic Engineer responsible for preparing hydraulic calculations for existing and proposed crossing of US-23 over Dobson Drain in Arenac County. Ensure best practices and design guidelines are followed to meet MDOT/County Drain standards and EGLE requirements. Utilize design flow rates as provided by EGLE and FIS reports to establish HEC-RAS boundary conditions and tie model into FEMA 100-year floodplain. Coordinate during concrete box culvert design to ensure box culvert does not negatively impact flood plain or upstream flows and to ensure box culvert alignment and end treatments meet MDOT requirements. Client Contact: Arenac County Drain Commissioner, Larry Davis (989) 846-2011 Service Budget: $427,800 Construction Budget: $3,000,000
Bailey Bridge at Smith's Crossing Road CS 56000 JN 212097 Year: 2022-2023 Location: Midland County, MI Vendor Role: Prime	Hydraulic Engineer responsible for preparing hydraulic calculations for existing and proposed bride/piers/abutments for historic two span truss bridge in Midland County. Utilize design flow rates as provided by EGLE and FIS reports (from Midland and Saginaw County) to establish HEC-RAS boundary conditions and verify existing conditions model results tie into 100-Year flood plain. Coordinate during bridge design to ensure proposed bridge/abutment design do not negatively impact flood plain or upstream flows. Prepare calculations to estimate erosion/scour and size riprap to provide stable bed/banks. Client Contact: Midland County Road Commission, Jonathan Myers, P.E. (989) 859-9991 Service Budget: $352,600 Construction Budget: $5,632,000

JACOB LOS, P.S.

ROLE ON THIS PROJECT: Project Surveyor
YEARS OF EXPERIENCE: Spicer Group – 3| Other Firms - 1

GENERAL EXPERIENCE AND QUALIFICATIONS

Mr. Los, a graduate of Ferris State University's Surveying Engineering program, currently serves as the Survey Project Surveyor at Spicer Group's Byron Center location. With a rich background spanning six years, he has played a key role in numerous MDOT and private construction projects, including the recent 7-mile I-196 Zeeland project and I-94 through Portage. Known for his expertise, Mr. Los is a go-to resource for Crew Chiefs seeking insights into efficient surveying procedures. His reliability and well-rounded skill set make him a valuable asset to our team.

EDUCATION

Bachelor of Science, Surveying Engineering, Ferris State University 2019

LICENSES/REGISTRATION

Professional Surveyor: Michigan license No. 71306

ADDITIONAL TRAINING

- OSHA 10 Construction Safety
- OSHA 40 Hour Hazwoper
- First Aid and CPR/AED
- American E-Rail Safe, CSX & CN

SIMILAR EXPERIENCE	
US-23 Flex Route **CS** 47013 **JN** 210068 **Year:** 2023-present **Location:** Livingston County **Vendor Role:** Subcontractor	**Project Surveyor** responsible for Engineer staking of 7.46 mi of hot mix asphalt reconstruction and shoulder widening for flex route, construction of crash sites, interchange reconfigurations, cold milling and resurfacing, bridge replacement and bridge rehabilitation of 9 structures. **Client Contact:** Rowe Professional Services Co., Mike Royalty, (810) 341-7573 **Service Budget:** $1,300,000 **Construction Budget:** $162,500,000
I-96 over Billwood Hwy. and the Grand River **CS** 33083 **JN** 204907 **Year:** 2023-Present **Location:** Ingham County **Vendor Role:** Subcontractor	**Project Surveyor** responsible for Engineer staking of bridge rehabilitation and reconstruction including deck replacement, widening, deep overlay, steel repairs, partial paint, pier, abutment, beam end and substructure repairs and approach work on I-96 over M-99, Washington Street, Billwood Highway and the Grand River in the City of Lansing, **Client Contact:** AECOM., Jim Stankiewicz, (616) 574-8500 **Service Budget:** $375,000 **Construction Budget:** $43,300,000
I-196 from west of Byron Road east to 32nd Avenue, Ottawa County **CS** 70024 **JN** 201133 **Year:** 2022-present **Location:** Ottawa County **Vendor Role:** Subcontractor	**Project Surveyor** responsible the staking of 6.83 miles of concrete pavement reconstruction, concrete curb and gutter, culverts, sewer, drainage, precast concrete box culverts, sheet piling, cofferdams, bridge deck patching, guardrail, signing and pavement markings. **Client Contact:** DJ McQuestion & Sons Inc., Tom Peplinski, (231)768-4403 **Service Budget:** $320,000 **Construction Budget:** $98,000,000

JACOB LOS, P.S.

SIMILAR EXPERIENCE	
US-31 Holland from I-196 to Central Ave **CS** 03032 **JN** 113122 **Year:** 2022-present **Location:** Holland **Vendor Role:** Subcontractor	**Project Surveyor** responsible for the staking of 2.8 miles of hot mix asphalt reconstruction, precast concrete box culverts, drainage, guardrail, signals and pavement markings and bridge rehabilitation. **Client Contact:** Michigan Paving, Chad Wilson, (616) 459-9545 **Service Budget:** $180,000 **Construction Budget:** $35,000,000
I-69 Reconstruction Design-Build **CS** 13073 **JN** 115095 **Year:** 2020-present **Location:** Eaton/Calhoun Counties **Vendor Role:** Subcontractor	**Project Surveyor** responsible for the staking of 24.58 mi of pavement reconstruction, concrete patching, drainage, permanent signing, pavement markings, bridge reconstruction, bridge rehabilitation including deep overlay, deck patching, Substructure patching, barrier repair and approach work. **Client Contact:** Michigan Paving and Materials Co., Nick Bryne, (517) 787-4200 **Service Budget:** $1,500,000 **Construction Budget:** $215,000,000
M-37 Grand Traverse County **CS** 28051 **JN** 128553 **Year:** 2021 **Location:** Grand Traverse County **Vendor Role:** Subcontractor	**Project Surveyor** responsible for the staking of 6.00 mi of hot mix asphalt reconstruction including two roundabouts, crushing and shaping, widening, lighting, drainage, signing, and pavement marking improvements. **Client Contact:** Rieth Riley Construction Co., Sean Sabela, (231) 263-2100 **Service Budget:** $119,000 **Construction Budget:** $9,000,000
M-37 Newaygo **CS** 62031 **JN** 115084 **Year:** 2021 **Location:** Newaygo County **Vendor Role:** Subcontractor	**Project Surveyor** responsible for the staking 1.52 mi of hot mix asphalt reconstruction, cold milling and resurfacing, joint repairs, sidewalk ramp upgrades, traffic signal modernization and pavement markings. **Client Contact:** Rieth Riley Construction Co., Rod McKenzie, (231) 796-7268 **Service Budget:** $47,000 **Construction Budget:** $3,800,000
M-89 Fennville **CS** 03021 **JN** 128067 **Year:** 2021 **Location:** Allegan County **Vendor Role:** Subcontractor	**Project Surveyor** responsible for the staking of 1.18 mi of hot mix asphalt cold milling and resurfacing, detail 7 and 8 joint repairs, sidewalk ramps, drainage improvements, and pavement markings. **Client Contact:** Michigan Paving and Materials Co., Nick Ricketts, (269) 373-3577 **Service Budget:** $9,700 **Construction Budget:** $907,000
M-45 from East of 120th Avenue to West of 68th Avenue **CS** 70041 **JN** 200672 **Year:** 2021 **Location:** Ottawa County **Vendor Role:** Subcontractor	**Project Surveyor** responsible for the staking of 6.10 mi of hot mix asphalt cold milling and resurfacing, aggregate shoulders and pavement markings. **Client Contact:** Michigan Paving and Materials Co., Bret Sommers, (616) 235-2274 **Service Budget:** $7,900 **Construction Budget:** $1,250,000

RICHARD D. KATHRENS, P.E.

ROLE ON THIS PROJECT: Senior Bridge Engineer, Inspection Team Leader (QTL)
YEARS OF EXPERIENCE: Spicer Group - 16 | Other Firms - 14

GENERAL EXPERIENCE AND QUALIFICATIONS

Mr. Kathrens is a Spicer Group Principal and Service Group leader of the Structural Group, with a focus on bridge design, safety inspections, scoping, and load rating. Mr. Kathrens is a Project Manager responsible for the design of structural and transportation projects. He has design experience with short to medium span highways, railway, and pedestrian bridges that span roads and/or water. The types of structures include single span over waterways to multi-span concrete/steel structures over both roadways and waterways. His design responsibilities include analysis of simple and continuous span steel, concrete, prestressed concrete, and timber superstructures. Substructure design includes concrete, steel pile, and timber pile foundations. The design of these structures has been in accordance with AASHTO, MDOT and AREA specifications. Mr. Kathrens is familiar with Bentley OpenBridge Design, AASHTO LRFD Simon, LEAP CONSPAN, RISA 3D, STADD Pro and MathCAD software.

EDUCATION

B.S. Civil Engineering, Michigan Technological University, 1992

LICENSES/REGISTRATION

Professional Engineer: Michigan, 1998 (43892)

ADDITIONAL TRAINING

- NHI 120095A - LRFD and Analysis of Curved Bridges (2010)
- NHI 135048 Bridge Scour Countermeasure Design (2015)
- MBC Steel Sheet Pile Design Workshop (2021)
- NHI 135056 Culvert Design (2006)
- Inspecting Steel Bridges for Fatigue, Purdue S-Brite (2022)
- TRB Performance of GRS Bridge Sys. (2016)
- CTT Load Rating Advanced Topics (2018)
- CTT Load Rating Workshop (2010/2018)
- NHI 135047 Stream Stability & Scour at Highway Bridges (2011)
- FHWA Element Level Inspection (2013)
- NHI 130078 Fracture Critical Inspection (2005/2010)
- NHI 130053 Bridge Inspection Refresher Training (2024)
- NHI 130055 Safety Inspection of In-Service Bridges (1998)

SIMILAR EXPERIENCE	
MDOT University Region As-needed Routine and In-Depth Bridge Inspections **CS** Various **JN** 210719 **Year:** 07/20-07/22 07/22-08/25 **Location:** University Region **Vendor Role:** Prime	**Project Manager, Team Leader, QA/QC Engineer** responsible for completing routine and in-depth inspections in accordance with MDOT and the NBIS. Tasks include completing the field work and developing / entering reports into MiB^{RIDG}E. Additional reports include preparing scoping documents and estimates as needed. Additional services include coordination with TSC's for as-needed traffic control and preparing Advance Notices, MDOT TSC's for obtaining traffic control and access. Reports were completed according to the guidance in the Michigan Structure Inspection Manual (MiSIM). **Client Contact:** MDOT, Dale Allen, P.E. (517) 257-8015 **Service Budget:** $225,000, $150,000 **Construction Budget:** N/A
Bay County, Doud Road Bridge Design **CS 09000 JN 218109** **Year: 2023 - Ongoing** **Location: Bay County** **Vendor Role: Prime**	**Project Manager** responsible for designing and preparing plans and calculations for a bridge replacement project in Bay County. This project included the replacement of a 5-span timber bridge with a 135 ft single span galvanized steel truss structure. Design also included concrete substructure design, approach work, and concrete deck design. Plans, design, quantity calculations, and special provision preparation were completed in alignment with MDOT's Design Manual / Guides, and the project was funded through the MDOT Local Agency Bridge Program. **Client Contact:** Bay County Road Commission, Cory Wale, (989)529-3323 **Service Budget:** $79,000 **Construction Budget:** $2,600,000

MDOT M-71 (Corunna Rd) to M-21 Reconstruction **CS** 76041 **JN** 215017, 214904 **Year:** 2022-Ongoing **Location:** City of Owosso **Vendor Role:** Sub-Consultant	**Senior Bridge Engineer, QC** responsible for performing QA/QC of design in accordance with MDOT's policies for the proposed bride deck replacement of B01 of 76041, M-71 over Shiawassee River as part of the M-71 corridor project. Tasks include checking the accuracy of the drawings and specifications for accuracy and completeness. These QC checks are being performed at the preliminary and final design phases and include reviewing structural details and plan notes to make sure they are in alignment with MDOT Bridge Design Manual and Guides. **Client Contact:** MDOT, Donald Matula, (989) 671-1535 **Service Budget:** $249,869 **Construction Budget:** $2,700,000
Wayne County As-Needed Bridge Safety Inspections **Year:** 5/2018-5/2022 6/2022-6/2026 **Location:** Wayne County **Vendor Role:** Prime	**Project Manager, Team Leader, QA/QC, and Load Rating Engineer** responsible for completing routine inspections, fracture critical, in-depth inspections, and load ratings in accordance with the NBIS and MDOT policies. Services also include assisting Wayne County with developing the Wayne County Bridge Inspection Program and completing the Plan of Corrective Action (PCA) requirements as agreed upon with MDOT and FHWA. **Client Contact:** Wayne County Dept. of Public Services, Wisam Al-Musawi (313) 657-8500 **Service Budget:** $270,250, $750,000 **Construction Budget:** N/A
Macomb County, Bridge Safety Inspection **Year:** 04/20-04/22 05/22-04/24 **Location:** Macomb County **Vendor Role:** Prime	**Project Manager, Team Leader (QTL), Load Rating Engineer, QA/QC Engineer** responsible for completing bridge inspections for 223 structures as needed, per MDOT requirements. Tasks include completing the field work for detailed and hands on inspections and providing reports as necessary. Reports are completed according to the guidance provided in the Michigan Structure Inspection Manual (MiSIM), and information is being uploaded to MiBRIDGE. Load Ratings were completed in accordance with MDOT's Bridge Load Rating policies. **Client Contact:** Macomb County Dept. of Roads, Scott Wanagat, P.E. (517) 335-4488 **Service Budget:** $61,325, $75,000 **Construction Budget:** N/A
Huron County, Stoddard Road Over Willow Creek **Year:** 2023 - Ongoing **Location:** Huron County **Vendor Role:** Prime	**Project Manager, Bridge Engineer** responsible for reviewing the design for the Stoddard Road superstructure replacement. The existing structure is a 3 span precast T-beam structure, and the proposed replacement will be with galvanized steel press brake sub girders. Tasks include developing design drawings, calculations, preliminary cost estimates and special provisions for bidding through MDOT's Local Agency Bridge Program. **Client Contact:** Huron County Road Commission, Erik Tamlyn, (989) 269-6404 **Service Budget:** $51,000 **Construction Budget:** N/A
As-Needed MDOT Bridge Inspection and Load Rating QA/QC **CS** Various **JN** Various **Year:** 8/20-6/23 **Location:** Statewide **Vendor Role:** Prime	**Project Manager, Team Leader, QA/QC,** responsible for completing independent bridge inspection quality assurance reviews to ensure effective quality control measures are implemented as required by the National Bridge Inspection Standards. Agencies included in this project are Statewide and as assigned by the MDOT PM. This independent review is for Local, MDOT, and miscellaneous State-owned structures and is an assessment of the bridge inspection procedures, bridge files, field reports, and load rating calculations for compliance with both MDOT and FHWA policies. Work includes performing field inspection and file reviews, and meeting with the Bridge Owners to discuss potential safety and compliance issues with the NBIS. **Client Contact:** MDOT, Allie Nadjarian, P.E. (517) 331-6602 **Service Budget:** $250,000 **Construction Budget:** N/A

NILS W. LINDWALL, P.E.

ROLE ON THIS PROJECT: Senior Project Manager | Geotechnical Investigation
YEARS OF EXPERIENCE: Spicer Group – <1 | Other Firms - 23

GENERAL EXPERIENCE AND QUALIFICATIONS

Mr. Lindwall has expertise in the planning, coordination, and implementation of geotechnical investigations and design for various civil works and infrastructure projects, including roads and bridges, building foundations, retaining walls, and slope stability and landslide repair. His experience includes civil engineering analysis, design, estimating, construction administration, and materials testing for coastal, dam removal, hydraulic, and recreation projects, among others. He serves in the capacities of design engineer, project manager, and client representative providing engineering services to numerous governmental and private clients across Michigan.

EDUCATION

Master of Science in Civil Engineering, (Geotechnical Engineering), University of Washington, 2002
Bachelor of Science in Civil Engineering, Michigan Technological University, 1997

LICENSES/REGISTRATION

Licensed Professional Engineer, State of Michigan, License No. 6201054642

ADDITIONAL TRAINING

- EPA Watershed Academy Certificate Program
- OSHA HAZWOPER 40-Hour Training
- NHI Scour Analysis

SPECIFIC PROJECT EXPERIENCE	
Lower Shore Drive Slope Mitigation **Year:** 2012-2016 **Location:** West Traverse Township, Emmet County, MI **Vendor Role:** Prime	**Project Manager/Geotechnical Engineer** responsible for the analysis, planning, and design of landslide mitigation measures for this roadway along a steep bluff. Services included review of antecedent rainfall, inclinometer measurements, slope stability analyses, and risk assessment. Project design included a soldier pile and lagging wall with tiebacks. The project also included drainage improvements and resurfacing. **Client/Owner:** Emmet County Road Commission **Project Cost:** N/A
Corkindale Creek Transmission Tower Relocation **Year:** 2004-2006 **Location:** Marblemount, Skagit County, WA **Vendor Role:** Owner	**Geotechnical Engineer** responsible for risk assessment, analysis, and design recommendations for replacement foundations for electrical transmission line towers. River migration and bank erosion were threatening the existing towers and foundations. The solution included new 10-foot diameter drilled shaft foundations. Also provided construction-phase services. **Client/Owner:** Seattle City Light **Project Cost:** N/A
Buhl Dam Removal and Bridge Replacement **Year:** 2016-2017 **Location:** Mikado Township, Alcona County, MI **Vendor Role:** Prime	**Project Manager/Design Engineer** responsible for planning, design, and construction engineering for removal of a derelict concrete dam on the Pine River. The project included developing stream restoration strategies and adding a trail bridge to provide access across the river at the dam's former location. Close coordination with permitting agencies and the US Forest Service were crucial. **Client/Owner:** Huron Pines/USFS **Project Cost:** $250,000

NILS W. LINDWALL, P.E.

SPECIFIC PROJECT EXPERIENCE	
O'Neal Lake Dam Replacement **Year:** 2015-2016 **Location:** Bliss Township, Emmet County, MI **Vendor Role:** Subconsultant	**Geotechnical Engineer** responsible for difficult-access subsurface investigation and developing replacement alternatives after heavy rains and high operating levels resulted in failure of this wildlife flooding dam. Provided recommendations for design of the preferred sheet pile structure, designed to withstand earth, water, and ice forces. Attended public hearings and presented expert opinion. **Client/Owner:** Nowak & Fraus/MDNR **Project Cost:** $200,000 (Estimated)
Rucker Residence Bank & Slope Stability Improvements **Year:** 2016-2017 **Location:** Lovells Township, Crawford County, MI **Vendor Role:** Prime	**Project Manager/Geotechnical Engineer** responsible for coordinating topographic survey and geotechnical investigation, analyzing slope stability and hydraulic conditions, designing bank and slope improvements, permitting, and providing bidding and construction-phase services. The improvements included toewood revetment and soil wrap/branch layer techniques, with regrading and drainage improvements. **Client/Owner:** Mr. Jerry Rucker **Project Cost:** $75,000
Forest Roads over Prey, Sullivan, and Sweiger Creeks **Year:** 2012-2013 **Location:** Chippewa County, MI **Vendor Role:** Prime	**Project Manager/Geotechnical Engineer** responsible for subsurface investigation, hydraulic analyses, planning, alternatives analysis, and design of three precast concrete box culverts to improve stream function and aquatic organism passage in the Hiawatha National Forest. Completed permitting requirements and designed approach roadways to AASHTO standards. **Client/Owner:** USFS **Project Cost:** $420,000
Riverside Drive Bridge over Mission Creek **Year:** 2012-2013 **Location:** Sault Ste. Marie, Chippewa County, MI **Vendor Role:** Prime	**Geotechnical Engineer** responsible for planning and coordinating subsurface investigation and laboratory testing, as well as pile and abutment analysis and design, for a replacement 60-foot long, precast/prestressed concrete box beam structure. **Client/Owner:** City of Sault Ste. Marie **Project Cost:** $950,000
East and West Twin Creek Bridges **Year:** 2008-2012 **Location:** Newkirk Township, Lake County, MI **Vendor Role:** Prime	**Project Manager** responsible for planning, coordinating, design, permitting, and construction engineering of two replacement bridges carrying the Little Manistee ORV and Snowmobile Trail over East and West Twin Creeks. Awarded the 2013 Recreational Trail Achievement Award for Construction and Design from the Coalition for Recreational Trails, this timber-pile-supported 35-foot glu-lam stringer and 72-foot stress-laminated timber bridges replace dilapidated and functionally-obsolete structures while preserving natural stream function. **Client/Owner:** MDTMB/MDNR **Project Cost:** $450,000
FR4121 over Pine River **Year:** 2009 **Location:** Mikado Township, Alcona County, MI **Vendor Role:** Geotechnical and Hydraulic Consultant	**Geotechnical and Hydraulic Engineer** responsible for planning and coordinating subsurface investigation services and hydraulic survey, estimating timber pile foundation lengths, analyzing existing and proposed hydraulic conditions, and estimating potential scour depth. The new 50-foot long, three-span timber bridge provides improved capacity and aquatic organism passage. **Client/Owner:** USFS **Project Cost:** $200,000

KEVIN J. WILKS, P.E.

ROLE ON THIS PROJECT: Design Engineer
YEARS OF EXPERIENCE: Spicer Group – 10

GENERAL EXPERIENCE AND QUALIFICATIONS

Mr. Wilks has been an integral part of providing professional services to Spicer Group's municipal clients for the past 10 years. He has a broad range of experience and knowledge, having also spent time in structural engineering and construction inspection and administration roles for our clients. Mr. Wilks' background and breadth of experience makes him uniquely qualified to work on any type or scale of project by adapting his approach to meet project needs. He is valued for his work ethic and ability to navigate through unique situations when it comes to the engineering of structures, roadways, water main, storm sewer, and sanitary sewer projects.

Education

Bachelor of Science in Civil Engineering, Michigan Technological University, 2014

LICENSES/REGISTRATION

Professional Engineer: Michigan, 2018 (67470)

ADDITIONAL TRAINING

- NASSCO ITCP-CIPP
- NASSCO MACP/PACP/LACP
- MDEQ Storm Water Operator: Construction
- MDEQ Certified SESC Part 91: Comprehensive
- SESC Plan Review & Design
- OSHA 10 Hour Construction Safety and Health
- Storm Water Management: Construction Site
- Troxler Safety/HAZMAT
- ACI Concrete Strength Testing Technician
- MCA Concrete Field Testing Technician Level I
- American Red Cross First Aid/CPR/AED
- MDOT Density Technology
- MDOT Structural Bolting Training
- MDOT Prevailing Wage Training
- MDOT Bridge Construction/Rehab Course

SIMILAR EXPERIENCE	
City of Norton Shores Engineer of Record **Year:** 2024-Ongoing **Location:** City of Norton Shores **Vendor Role:** Prime	**Project Manager** responsible for all services provided by Spicer Group to the City of Norton Shores. In January of 2024, the City of Norton Shores hired Spicer Group to act as their Engineer-of-Record for a 3-year term. Immediately upon execution of the contract, Spicer Group began assisting city staff with development of their FY2025 budget as well as applying for additional funding through various avenues including the EGLE TMF grant and state congressional appropriations. As part of general day-to-day duties, Spicer Group attends regular staff meetings and works directly with various members of the DPW Staff. **Client Contact:** James Murphy, City of Norton Shores Department of Public Works, (231) 799-6803 **Service Budget:** N/A **Construction Budget:** N/A
Parking Lot 12 Reconstruction and Church Street Mill and Fill **Year:** 2022 – 2023 **Location:** City of St. Joseph **Vendor Role:** Prime	**Project Manager** responsible for design and construction engineering tasks related to the reconstruction of a municipal parking lot as well as milling and resurfacing of approximately 650 feet of HMA pavement along Church St from Broad St to Ship St. The existing parking lot was plagued by poor subgrade conditions and lake of adequate drainage. The project consisted of additional storm sewer and catch basins as well as re-grading the entire parking lot to improve surface drainage and prevent ponding water. Aesthetic improvements were added as well, including curb islands with perennial shrubs. **Client Contact:** Greg Grothous, City of St. Joseph, (269) 985-0309 **Service Budget:** $72,500 **Construction Budget:** $712,500

KEVIN J. WILKS, P.E.

SIMILAR EXPERIENCE	
Public Works Pavement Improvements **Year:** 2022 **Location:** City of St. Joseph, Berrien County, MI **Vendor Role:** Prime	**Project Manager** responsible for the conceptual design, staging, and final plans and specifications for a multi-year multi-phase parking lot replacement. The parking lot design was separated into several zones to be replaced in phases to spread out the costs of the parking lot replacement. The project also included drainage improvements such as the addition of storm sewer and a storm water check valve to prevent water from backing up from the nearby St. Joseph River into the parking lot. **Client Contact:** Greg Grothous, City of St. Joseph, (269) 985-0309 **Project Cost:** $30,000 (engineering only)
2021-2022 Water System Expansion **Year:** 2020-2022 **Location:** Monroe County **Vendor Role:** Design and Construction Administration	**Project Team Leader** responsible for managing all design activities related to 1.75 miles of 12 inch water main expansion along Telegraph Rd (US-24) in Monroe County, MI. The overall project consisted approximately 17 miles of water main expansion throughout the water system to provide additional loops for redundancy as well as provide water to new customers. **Client Contact:** Chris Schmidt, South County Water System, (734)847-0579 **Service Budget:** $3,500,000 **Construction Budget:** $14,760,000
Bedford Township Manhole & Sewer Improvements **Year:** 2019-2020 **Location:** Bedford Township **Vendor Role:** Full Construction Engineering	**Project Engineer** responsible for assisting the Project Manager in coordinating field inspections of a $1.6M sewer lining and manhole rehabilitation project and acted as first point of contact between the Drain Commissioner's staff, contractors, and Project Manager. **Client Contact:** David Thompson, Monroe County Drain Commissioner, (734)240-3109 **Service Budget:** $150,000 **Construction Budget:** $1,600,000
Industrial Drive Reconstruction **Year:** 2019 **Location:** City of Saline **Vendor Role:** Full Construction Engineering	**Lead Inspector** responsible for field inspection and coordinated between client, office technician, and contractor, and other stakeholders throughout the construction process. Project consisted of about 1 mile of cold milling and resurfacing. **Client Contact:** Jeff Fordice, City of Saline, (734)429-8296 **Service Budget:** $100,000 **Construction Budget:** $710,186
Marion Township SAW Grant **Year:** 2016-2018 **Location:** Marion Township **Vendor Role:** Engineer	**Design Engineer/GIS Technician/MACP Inspector** responsible for creating an Asset Management Plan for the Marion Township sanitary sewer system. Work included manhole inspections, condition assessment, creation of a Geographic Information System (GIS) to store all data, and development of a Capital Improvement Plan. Project funded by a MDEQ Stormwater, Asset Management, and Wastewater (SAW) grant. **Client Contact:** Robert Hanvey, Marion Township, (517)546-1588 **Service Budget:** $93,800 **Construction Budget:** N/A
Freeland Road from M-47 to Lake State Railroad Crossing **Year:** 2015 **Location:** Saginaw County **Vendor Role:** Full Construction Engineering	**Lead Inspector and Material Tester** responsible for 0.52 mi of pavement removal, machine grading, aggregate base, storm sewer, drainage, hot mix asphalt resurfacing, and concrete curb, gutter, sidewalk and ramps. **Client Contact:** Dan Armentrout, Saginaw County Road Commission, (989)399-3761 **Service Budget:** $62,300 **Construction Budget:** $1,804,794

Indemnification: *Contractor agrees to hold harmless and indemnify the County Of Ionia, its board members, the Ionia County Road Department, officers, agents and employees from any and all claims, suits and judgments to which the County Of Ionia, its board members, the Ionia County Road Department, officers, agents or employees may be subject and for all costs and actual attorney fees which may be incurred arising out of any injury to persons or damage to property, including property of the County of Ionia, its board members or the Ionia County Road Department, whether due to negligence of the contractor or the joint negligence of the contractor, the County of Ionia, its board members and the Ionia County Road Department, arising out of the work specified in this proposal, or in connection with work not authorized in this proposal, or resulting from failure to comply with the terms of this proposal. Contractor will not be obligated to indemnify the County of Ionia, its board members or the Ionia County Road Department for any injury or property damage arising out of the sole negligence of the County of Ionia, its board members or the Ionia County Road Department, its Board members, officers, agents or employees.*

Rick Born
Authorized Signature

9/23/2024
Date

Rick Born / Principal
Print Name / Title

989-754-4717 (office)
Phone Number

Spicer Group, Inc.
Company Name

Fax Number

230 S. Washington Ave.
Address

989-239-5727
Cell Phone Number

Saginaw, MI 48607
City, State, ZIP

rickb@spicergroup.com
Email address

EXHIBIT B

MDOT PREQUALIFICATIONS

- Construction Engineering: Assistance
- Construction Engineering: Bridges & Ancillary Structures
- Construction Engineering: Roadway
- Construction Engineering: Roadway - Local Agency Program
- Construction Inspection: Bridge Painting
- Construction Inspection: Bridges & Ancillary Structures
- Construction Inspection: HMA Pavement
- Construction Inspection: Roadway
- Construction Inspection: Traffic and Safety
- Construction Services: Office Technician
- Construction Testing: Aggregates
- Construction Testing: Concrete
- Construction Testing: Density
- Design - Bridges
- Design - Bridges: Load Rating
- Design - Bridges: Safety Inspection
- Design - Bridges: Scoping
- Design - Buildings
- Design - Hydraulics I
- Design - Hydraulics II
- Design - Roadway Design
- Design - Roadway: Intermediate
- Design - Traffic: Pavement Markings
- Design - Traffic: Signal
- Design - Traffic: Signing - Non-Freeway
- Design - Traffic: Work Zone Maintenance of Traffic
- Design - Utilities: Municipal
- Design - Wetlands
- Surveying: Construction Staking
- Surveying: Hydraulics
- Surveying: Right of Way
- Surveying: Road Design
- Surveying: Structure

TEAM COMMUNICATION FLOW CHART

Exhibit B

Linda Pigue
Managing Director
Ionia County Road Department

Chris Briggs, P.E.
Project Manager / Point of Contact

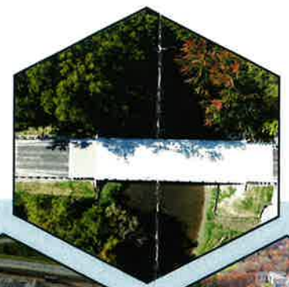
Mike Niederquell, P.E.
Transportation & Roads

Rich Kathrens, P.E.
Bridge & Structures

Nate Pfenninger, P.E.
Construction Engineering

Jake Los, P.S.
Survey Support



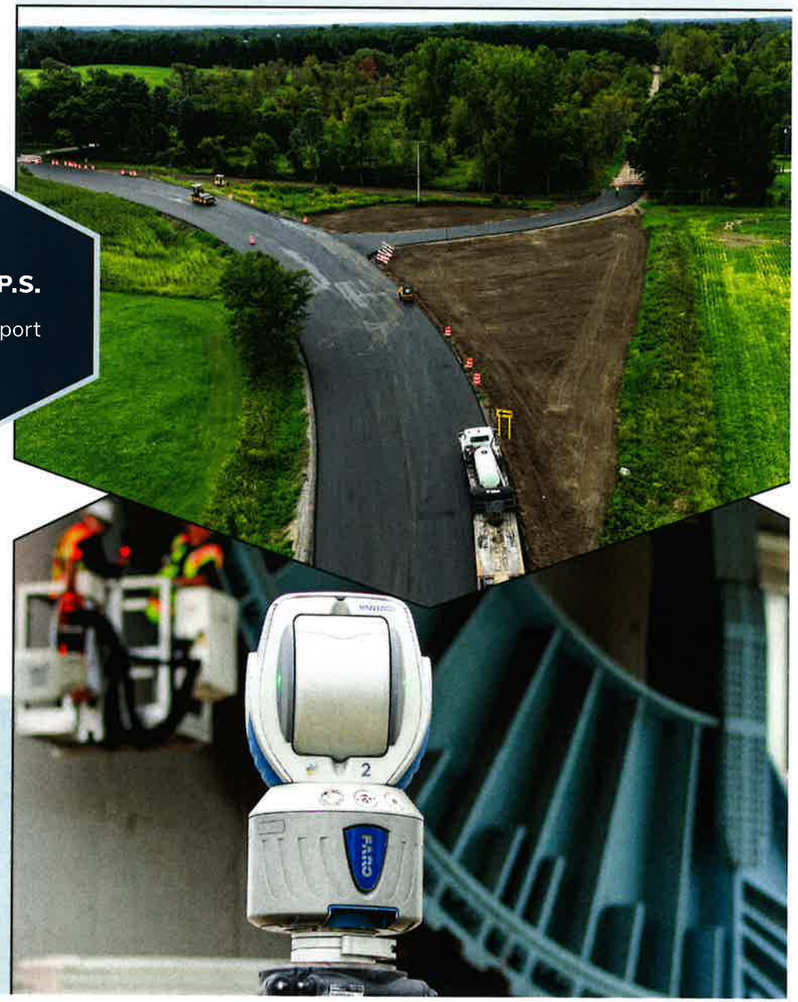







FUNDING ASSISTANCE

Spicer Group has helped our clients acquire over **$350,000,000+** in grant and loan funding for their projects. A significant amount of these funds were used for infrastructure projects that included improvements to roadways, drinking water distribution and treatment systems, wastewater collection and treatment systems, and buildings.



AS-NEEDED ENGINEERING SERVICES

Exhibit B

EXPERIENCE

Spicer Group has 80 years of engineering experience. We have received awards for stormwater projects, parks and recreation, transportation projects, and surveying work. Many of Spicer Group's clients seek out our expertise time and time again, with some dating back to the company's formation in 1944.

ACCESSIBILITY

- Project Manager Chris Briggs, P.E., lives 10 minutes from the Ionia County line, and remaining SGI Team is centrally located around Ionia County
- Proximity of office locations

QUALITY

Spicer Group's design process includes a QA/QC review performed by a construction engineer. This provides insight into the constructibility and value engineering that comes from their experience in the field.

OVERSIGHT

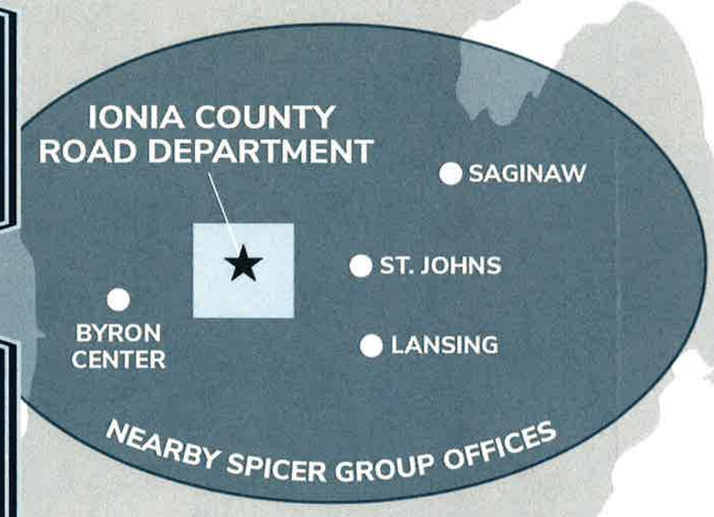
Spicer Group's QA/QC process does not stop with design services. Within our Construction Services Group are several construction managers who provide direct oversight and work with our on-site inspectors throughout the construction process to ensure consistent, high-quality service.

COMMUNICATION

Spicer Group utilizes the latest in technology for keeping project managers and clients up-to-date. The use of online cloud-based document storage systems allows for quick access to all members of the Spicer Team.

PROVIDING VALUE TO IONIA COUNTY

- **Spicer Group focuses on both individual projects and the overall goals of our clients.** We work with our clients to plan and engineer projects that maximize the overall value we add to the community.
- **Spicer Group focuses on the quality of our work to ensure our clients have** successful projects that are effective and efficient.
- **At Spicer Group, we understand the staffing constraints of the communities we serve. Our goal is to minimize the level of oversight required of our clients.** We provide our own oversight and quality control, so our clients don't have to.



SPICER GROUP TEAM

CHRIS BRIGGS, P.E.

- 9.5 years of experience
- Construction engineering, design and inspection
- Bridge inspection, bridge load capacity analyses and design of bridge repair projects
- Point of contact

NATE PFENNINGER, P.E.

- 13.5 years of experience
- Project management, office technician, design, inspection & material testing
- Road rehab and reconstruction experience
- QA/QC

JAKE LOS, P.S.

- 6 years of experience
- MDOT and private construction project experience
- Provides insight for efficient surveying procedures

MIKE NIEDERQUELL, P.E

- 26.5 years of experience
- Road design, shared use path, storm sewer design, utility conflict resolution, and maintaining traffic
- AASHTO, MDOT, AWWA, ASTM, and OSHA experience

RICH KATHRENS, P.E.

- 30 years of experience
- Bridge design, safety inspections, scoping and load rating
- Long history working with MDOT, county road commissions, and local municipalities

80 Years in Business

320+ Staff Members









WORKING WITH COUNTY ROAD COMMISSIONS

- Civil Engineering
- Construction Engineering
- GIS/Data Management
- Grant Writing/Fund Development
- Storm Water Management
- Structural Engineering
- Surveying
- Transportation Engineering
- Utility Engineering
- Watershed Management

LONG HISTORY WITH ROAD COMMISSIONS

- Bay County
- Berrien County
- Clare County
- Clinton County
- Huron County
- Ingham County
- Macomb County
- Midland County
- Monroe County
- Saginaw County
- St. Clair County
- Tuscola County
- Wayne County

EIGHTY 80 YEARS | spicer group

EXHIBIT C

Exhibit C

Billing Rates

We propose to provide the requested services using an actual cost plus fixed fee billing structure.
We have included typical calculated rates for staff anticipated to work on the project.

Bridge & Culvert Design

Name	Role	Calculated Hourly Rate
Linda Reed, P.E.	QC	$ 170.27
Rich Katherns, P.E.	QC	$ 232.91
Vince Guadagni, P.E.	Lead Bridge Engineer	$ 226.73
Ted Champagne, P.E.	Hydraulics Analysis/Permitting	$ 162.33
Grant Freudenstein, EIT	Staff Bridge Design	$ 120.34
Dan Zeddies, P.E.	Lead Bridge Design	$ 176.44
Nils Lindwall, P.E	Geotechnical Investigation	$ 210.85
Michael Niederquell, P.E.	Maint of Traffic/Road approach design	$ 229.38
Matt Sopcak	CAD	$ 130.57

Construction Engineering and Inspection

Name	Role	Calculated Hourly Rate
Chris Briggs, P.E.	Project Engineer/Manager/QA/QC	$ 194.09
Nathan Pfenninger, P.E.	Project Engineer/Manager/QA/QC	$ 194.09
Zachary Thelen	Construction Manager	$ 167.23
Jeff Meyer	Office Technician	$ 167.23
Matthew Klann	Construction Services Technician II	$ 141.15
Darrin Wilson, P.S.	Construction Staking	$ 222.32
Jacob Los, P.S.	Construction Staking	$ 155.27

Bridge & Culvert Inspection

Name	Role	Calculated Hourly Rate
Linda Reed, P.E.	Quality Control	$ 170.27
Vince Guadagni, P.E.	Project Manager/Bridge Inspection	$ 226.73
Michael Niederquell, P.E.	Maintaining Traffic	$ 229.38
Shawn Middleton, P.E.	Hydraulics - Scour	$ 271.72
Rich Katherns, P.E.	Bridge Inspection	$ 232.91
Grant Freudenstein, EIT	Bridge Inspection	$ 120.34
Dan Zeddies, P.E.	Bridge Inspection	$ 176.44
Hugh Dickie, P.E.	Bridge Inspection	$ 139.39

Road Design

Michael Niederquell, P.E.	Project Engineer/Manager	$ 229.38
Ryan Sullivan, P.E.	Project Engineer	$ 144.68
Jennifer Allen	Designer	$ 157.03
Darrin Wilson, P.S.	Design Survey Services	$ 222.32
Jacob Los, P.S.	Design Survey Services	$ 155.27

* Rates are based on current 2024 employee pay rates and are subject to change upon future pay rate increases*

Extra Copy

Prein&Newhof
Engineers • Surveyors • Environmental • Laboratory

September 20, 2024

Ms. Linda Pigue, Managing Director
Ionia County Road Department
170 E. Riverside Drive
Ionia, MI 48846

Re: Proposal for As-Needed Independent Contractor Engineering Services

Dear Linda,

Prein&Newhof (P&N) is very pleased to submit this Proposal for As-Needed Professional Engineering Services for the Ionia County Road Department. We have enjoyed working with the Road Department and the Township Supervisors since 2020.

As you know, P&N has a diverse engineering team that have the capabilities to execute full design from the beginning stage of scoping, pavement fix selection, and budget estimating, all the way through bidding and construction. We work closely with your Superintendents and Permit Agent, assisting with your engineering, township communications, and long-term planning needs. Whether it's project recommendations, grant applications, guardrail design, hydraulic analysis, culvert replacements, NEPA, environmental, survey, coordination with the Drain Commission, MDOT, and EGLE, or traffic engineering studies, we have the experience.

Our experience comes from 35 years of performing As-Needed Engineering and Construction Inspection Services to many Road Commissions and Road Departments, including MDOT, Clare, Isabella, Osceola, Lake, Missaukee, Mason, Manistee, Leelanau, Kalkaska, Antrim, Grand Traverse, and Wexford just to name a few. We have developed an identity with County transportation projects. We maintain close relationships with the MDOT team that oversees your state and federal aid projects. Our continuous project involvement with many Road Departments/Commissions and the MDOT Local Agency Programs (LAP) team for over 35 years gives us the experience and knowledge to provide engineering services needed for your projects.

Your contacts will be Connie Houk, P.E. and Eric Seguin, P.E. Connie will continue to provide assistance with MDOT, pavement management, weekly on-site presence, communication with townships, Villages, and other partners, as well as creating and implementing future projects. Eric will continue to be your technical contact for permits, drainage/hydraulics, guardrail, and bridge questions.

Attached is our proposed Scope of Services, along with our resumes, billing rates, and our MDOT Prequalifications. We have received the Addendum for Questions and Responses. We look forward to continuing to be an extension of your team. Please contact us if you have any questions.

Respectfully Submitted,
PREIN&NEWHOF

Connie S. Houk

Connie S. Houk, P.E.
Project Manager
Enclosures

Jason Washler, P.E.
Vice President





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Prein&Newhof – Firm Profile



At Prein&Newhof, our goal is to serve our clients wisely – meeting their infrastructure needs with a combination of experience, integrity, creativity, and common sense.

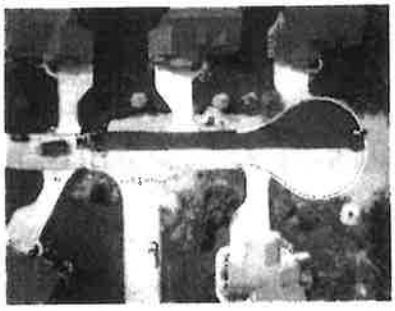
For 50 years, Prein&Newhof has been working with Road Commissions, townships, MDOT and municipal communities across Michigan using a wide range of engineering, environmental consulting, surveying, GIS, and laboratory services. Because every situation is different, we put a high value on personal attention. And because needs change over time, we are dedicated to crafting flexible, long-term solutions rather than quick fixes.



Professional Services

At Prein&Newhof, we are constantly developing our skills to serve our clients better. Our primary services include the following:

- Roads & Trails
- Stormwater Management
- Municipal Engineering
- Water & Wastewater
- Airports
- Private Development
- Asset Management
- Landscape Architecture
- Structural Engineering
- Geotechnical Engineering
- Surveying
- GIS & Mapping
- Environmental Consulting
- Laboratory Testing



History

Begun by Tom Newhof and Ed Prein in 1969, Prein&Newhof was founded on the belief that we should take personal responsibility for meeting our clients' needs – building long-term relationships and managing each project from start to finish, from preliminary design to final construction. Today, we are consultant for over 50 communities across Michigan.



Employees

Prein&Newhof is 100 percent employee-owned, with 150 full-time personnel, including engineers, surveyors, drafters, geologists, chemists, communication specialists, and support staff.

Project Understanding

Prein&Newhof (P&N) understands that the Ionia County Road Department (ICRD) is to select a qualified firm to provide engineering services as an independent contractor to ICRD on an as-needed basis. Services to include project administration, meeting coordination and attendance, design, construction testing & inspection, material inspection, construction staking, quality assurance testing and reporting, measurement, computation and documentation of quantities, load rating and initial inspection, reporting and record keeping, processing pay estimates, processing contract modifications, finalizing all project documentation, applying for Federal and State funding, updating the ICRD Asset Management Plan, and other services as may be requested.

Scope of Work

Prein&Newhof (P&N) is a full service company offering an extensive range of Design and Construction Engineering Services, as well as Survey, Geotechnical, Traffic, and Environmental Engineering. Our Team specializes in working with County Road Departments/Commissions and Local Agencies and understands the funding, permitting, planning, and design constraints.

We understand that the proposed services will be on an As-Needed and As-Requested basis. Our intent is to not become involved with management or administrative issues, but to fill the County's engineering needs. **Our Team is an extension of Your Team.** We will provide these services on an hourly basis, so the Road Department will be invoiced for actual time worked on specific engineering issues or projects which are needed and requested by the Road Department. When assigned complete design on projects, estimated budgets can be given for planning and budgeting purposes. We can attend Board, Township, and Public Meetings as requested.

We have extensive years of experience in all of the items below:

- Assist with budgeting, planning, and rate studies. Programs for each fix type for multiple years.
- Assist with **GPS/GIS data** gathering and information compilation relating to existing infrastructure.
- Work with road department staff, organizations, and funding agencies to help develop competitive and complete **grant applications**/funding proposals.
- Work with road department staff to review or complete federal or state permits, applications, or agency notification.
- Act as the road department's representative with other state, federal, or local governmental agencies when needed.
- Administer projects and attend staff, project, township, and board meetings.
- Provide detailed design and construction specifications for successful bidding and construction coordination of county road infrastructure improvement and maintenance projects.
- Attend pre-application, township, State Agency, Rural Task Force, Corridor Preservation, Grant Application, and other meetings as requested.

- ❖ Perform additional basic engineering and special services such as driveway permits, overweight load permits, utility permits, guardrail designs, signing improvements, signal upgrades, pavement fix recommendations, traffic studies, geometric improvements, measuring of aggregate piles, drainage, easements and grading permits, review of plans and permits, and soils investigations as requested by the road department.

- ❖ Perform Construction Testing & Inspection, document construction progress, IDR's (Inspectors Daily Reports), verify quantities, approve pay estimates, material testing, process Contract Modifications and Time Extensions, attend project audits, address resolution, and Perform Closeouts.

- ❖ Coordination and assistance with townships, Villages, Drain Commission, developers, businesses, farmers, and residents within the County.

We understand the Services and Responsibilities of the Engineer as stated in your RFP. Our experience with working for the Ionia County Road Department for the past 4 years, as well as over 10 counties as their As-Needed Engineer for decades, has given us the technical background needed to perform these duties for you. Our almost weekly on-site presence has allowed us to see first-hand the intensive daily dealings the Ionia County Road Department has to contend with.

Below is a list of tasks we can and will perform for the Ionia County Road Departments:

Design Services

- Topographic/Right-of-Way/Hydraulic Surveys.
- Monument Preservation.
- Title Research/Easements/Grading Permits. Engineering work pertaining to property acquisition.
- Assist with Special Assessments.
- Soil Borings and Analysis. Muck and Roadway Stabilization Design. Geotechnical Engineering.
- Pavement Design.
- Oversee and Administer Design Development. Manage sub-consultants.
- Road Design, Streetscapes, Sidewalk, and Path & Trail Design.
- Road and Stream Crossing Design, Drainage Design, Culvert Sizing. Hydraulics and HEC RAS.
- Guardrail, Signing, Traffic Signal, Pedestrian Signal, and Pavement Marking Design.
- Intersection and Safety Design. Roundabout Design.
- Traffic Control Orders.
- Traffic Engineering Studies, Intersection and Safety Design Services.
- Safe Streets for All Evaluation.
- Coordination with MDOT and Local Agency Programs (LAP).
- Coordinate with Drain Commission.
- Coordinate with Townships.
- Coordinate with Cities, Villages, and Transit for the Rural Task Force & Small Urban funding.
- Utility Coordination and Relocation.
- Preparation of Plans, Specifications, Special Provisions, Estimates, and Programming Applications.
- Preparation of Bid Documents, Addendums, Hold Pre-Construction Meetings.
- Yearly Act 51 Map Certification.
- Yearly IRT Updates.
- Coordinate Biennial Bridge Inspections. (Bridge Inspections are performed by a Sub-consultant).
- Assist with MiBridge updates.
- Preparation of Permit Documents – SHPO, EGLE, MDNR, USFWS, T&E, Office of Rail, and NEPA.
- Schedule, hold, and attend Pre-Application Meetings.
- Auto CAD Civil 3D, MicroStation, InRoads, OpenRoads Designer, MERL.

- Assist Road Superintendents.
- Assist with driveway and ROW permits.
- Quality Assurance/Quality Control.
- Stamp and Sign Drawings and Documents as necessary.

Prepare Grant/Funding Applications

- Local Bridge Program.
- Local Safety and High Risk Rural Roads Program.
- TEDF Category A and F.
- Safe Routes to School, TAP, CDBG, and MDNR Trust Fund Grants.
- Assist with procuring local match funding.
- Coordinating Projects with Multiple Funding Sources.
- Providing Support Documents and Maps for Millages and Renewals.
- Prepare Quarterly Reports for Grant Agencies.

Pavement Asset Management

- Complete Road Asset Management Plans (AMPs) – Utilizing TAMC Template.
  P&N completed 15 Road AMP's in 2018 and 2019, and full Compliance AMP's in 2020-2023.
- Update Asset Management Plans on required cycle (normally every 3 years).
- Collect PASER Rating on Local Roads – *6 Certified TAMC Trained Raters. Lead has over 25 years experience.*
- Assist with Federal Aid PASER ratings if needed.
- Review Asset Management Program.
- Develop Strategies for the entire County Road System.
- Assist with Project Selection and Pavement Fix Recommendations.
- Assist Townships with project planning and estimates as needed.
- Determine necessary funding & budgets.
- Assist with Selecting a Future 3, 5, & 10 Year Programs. Long Term Planning.

Construction

- Construction Engineering Services.
- Construction Inspection and Testing Services. Includes density and material testing.
- Daily or as-needed inspection.
- SESC inspection.
- Construction Staking.
- Construction Administration and Pre-Construction Meetings.
- Project Closeout.
- Provide Final Construction quantities and as-builts as requested.
- Oversee Bridge and Road Construction.

Other Services Prein & Newhof provides when needed

- Environmental Studies.
- Water Testing
- Phase 1/Phase 2/BEA.
- Private Development Plan/Plat/Driveway permit reviews, obtain easements.
- Global Positioning Surveys (GPS).
- Inventory. Stockpile Measurements/UAV.
- Computer Mapping/Graphic Information System (GIS) Mapping.
- Structural Engineering Services.

Additional Specialized Services –
P&N proposes to partner with trusted sub-consultants to provide specialized services. See Team section below for additional information.

Bridge and Large Culvert Inspections – Scott Civil Engineering and Great Lakes Engineering.

- Culvert inspection (Large)
- Bridge inspection.
- Underwater inspection.
- Concrete sounding.
- Concrete scanning.
- Load Rating.
- Scour analysis.
- Scoping reports.
- MiBridge management.

Complex Roadway Traffic Engineering – RSE a Clark Dietz Company

- Freeway Signing
- MDOT Safety Studies
- MDOT Capacity and Geometric Analysis
- MDOT Work Zone Mobility & Safety

Surveying – SSI

- MDOT Hydraulic Surveying
- MDOT Right-of-Way Surveying
- MDOT Structure Surveying

Environmental – GEI

- Wetland Assessment

Unique Specialized Services – Not included by P&N with this Proposal
Should the need for any of these services become necessary, P&N proposes to write a RFP for ICRD to advertise to obtain qualified firms for these services.

- Right-of-way appraisals and acquisition.
- Lead-based paint surveys.
- Asbestos surveys.
- Design of Wetlands. (The wetland bank is a cost-effective solution should wetlands need to be taken for a Road Department project.)
- Design of Complex Roadway (This is for extensive freeway and interchange design, and shouldn't ever be needed by the ICRD).
- Railroad Design (Design of railroads shouldn't ever be needed by the ICRD.)

Project Team and Subconsultants

The P&N Team proposed consists of highly qualified and experienced professionals who are very competent in their individual expertise. **Connie Houk, P.E. will be the Project Manager** and will provide experienced assistance for all calls, questions, and assignments. She is available to you at all times via cell, office phone, text, email, and in person. **Eric Seguin is your Assistant Project Manager and is also a daily contact.** Connie and Eric share information when called on so that our response time meets your needs . We can be on-site within a few hours if you need us to get our eyes on any problem you encounter. When work allows, the practice has been to keep a list and schedule a full day on site to be most efficient.

Points of Contact

Engineering Manager	Connie Houk, P.E.	231-468-3456 (o)	231-342-8480 (c)
Assistant Project Manager	Eric Seguin, P.E.	231-468-3456 (o)	231-878-5094 (c)

Design and Construction Team:

• Project Manager / QA/QC Engineer	Connie Houk, P.E.
• Design and Hydraulics Engineer	Eric Seguin, P.E.
• Lead Construction	Ethan Bancroft
• Surveyor	Tom Hall, P.S.
• Traffic Engineer	Scott Tezak, P.E.
• CADD Technicians	Gerald Morton and Ted Thomson
• Geotechnical Engineer	Chris Cruickshank, P.E.

Our Team has the capacity to perform your As-Needed Engineering needs. Please review our Project References and Personnel resumes below. Here is a short biography of our key staff.

❖ **Connie Houk, P.E. – Project Manager.** Connie has 35 years of Project Management and Road Design experience, including over 12 years at MDOT and 23 years in the private sector working with Road Commissions, MDOT, private clients, and municipalities. She offers her project experience, knowledge of Federal Aid and MDOT Local Agency processes as well as local design, let and built projects. Her experience indicates a wide and deep background of engineering designs which include rural and urban road reconstruction and rehabilitation design, as well as preventative maintenance projects, crush and shape projects, ASCRL, complex intersection designs, addition of turn lanes and tapers, drainage, culverts and bridges, high traffic and high profile projects, as well as pavement fix recommendations. Connie has gained invaluable experience from managing, designing, and being Project Engineer which provides feedback during construction and allows us to build a 'lessons learned' library in order to improve every design based on site, soil, and local traffic conditions. She is, or previously has been, the County Engineer for Ionia, Lake, Missaukee, and Oceana County Road Commissions. She provides As-Needed Design and Construction Engineering Services on projects and County Highway Engineering duties and is responsible for as-needed scoping and development of Capital Improvement Plans. Services range from miscellaneous consultation and review to specific project management, design and construction engineering. This work involves scoping, project development, estimating, development of maintaining traffic plans for preventative maintenance, 3R, and 4R projects, many which are coordinated through MDOT Local Agency Programs. Connie loves to write grant applications! She prepares Bridge and Safety Grant Applications with a very high rate of success. She also schedules and coordinates support services such as soils investigation, testing, and environmental services. Connie partners with trusted subconsultants if there is a need for a specialty service. She has worked with both FEMA and Federal Highway on several disasters since 2008, including the June 2021 disaster in Ionia County, and implemented many ER projects through MDOT.

❖ **Eric Seguin, P.E. – Lead Engineer, Assistant Project Manager.** Eric will be in contact daily if needed. Eric has significant engineering experience working on road, bridge, stream crossing, and other projects for numerous Road Commissions, the CRA, MDOT, EGLE, and private industry. He is experienced in roadway and bridge design, drainage and hydraulic analysis and design, NEPA, permitting (environmental and project specific), coordination of easements and grading permits, preparation of plans and design specification, as well as project coordination with utilities and other stakeholders. He works with our Team to design multiple Federal Aid and MDOT Local Agency projects every year. He is extremely knowledgeable in the LAP processes and funding. He handles NEPA reviews with extreme efficiency. He assists with procuring grant funding for local agency's such as Federal Local Bridge Applications Safety Project Applications, and Bridge Applications for CPM and Reconstruction. Eric works with the local agency and our **Traffic Engineer, Scott Tezak, P.E.** to isolate areas of potential safety concerns and reviews crash data provided by the agency or Roadsoft to

perform HSM Analysis to better support safety improvement where accidents may not be present yet. Eric gained a strong foundation of experience by starting with construction oversight of major facility projects, such as wastewater systems, sand recovery devices, and melt system devices. He oversees the bidding process, directing contractors and maintenance personnel, tracking budgets, reviewing and compiling daily reports, and holding progress meetings with contractors. Eric also worked heavily on the FEMA disaster in Ionia County that occurred on June 25, 2021.

Subconsultants, if needed

Clark Dietz, Inc., DBA RS Engineering (RSE) will be providing advanced traffic services, Scott Civil Engineering Co. (SCECO) will be providing bridge services and are also qualified to do the biennial bridge inspections, GEI Consultants of Michigan, P.C. (GEI) will be providing wetland services, Surveying Solutions, Inc. (SSI) will be providing advanced survey services, and Great Lakes Engineering Group, LLC will perform bridge safety inspections and underwater bridge inspection services.

Innovations

In addition to the specific services listed above, we understand that the following items are important:

- **Responsiveness** - We learned long ago that **all clients need solid, cost-effective engineering that results in constructible projects on time and within budget. We respond quickly to requests and work hard to keep you updated on project/assignment progress.**
- **Full Service** - P&N is able to provide **engineering, surveying, traffic, geotechnical, design, and construction testing and inspection services. Our drilling works is performed by a Subcontractor and supervised by our Geotechnical Engineer. We have partners on board to provide the biennial Bridge Inspections, wetland delineation, and other advanced survey and traffic tasks if necessary.**
- **Relationship with MDOT & Local Agency Programs (LAP)** – Our staff has worked with MDOT for 35 years. We are familiar with many of their staff, their organization structure, and have effective working relationships. For your Local Agency Projects, Connie has exceptional relationships with MDOT Local Agency Programs Roads and Bridges; Bruce Kadzban, Dale Spencley, Brent Schriner, Keith Cooper, and the LAP Team. Having worked on hundreds of Local Agency projects, our Team has worked with a variety of reviewers and have heard numerous times *"our plans are the easiest they get to review"* which makes us proud of our hard work. Our Team works very closely with MDOT in many TSC's and Region Offices as well.
- **Road Maintenance Techniques and Applications** – It's all about the right fix at the right time! Connie was the Pavement Management Engineer at MDOT for the first 12 years of her career and has continued to prepare Asset Management Plans and effective pavement strategies for counties, cities, and villages all over Michigan. She has vast experience with roadway maintenance programs, fixes, and strategies. She enjoys preparing plans for future road programs and then ensuring that plan happens.
- P&N also has multiple **QuickView Zoom Cameras** available that allow us to video and record sewer pipe conditions. We have found these extremely valuable to assist with determining existing pipe conditions many times in the past.

Capacity

We are available and have the capacity to quickly perform your designs and engineering assignments. P&N has over 150 engineers and technicians to draw from to ensure we meet and exceed your engineering needs. We have the availability to act upon your requests in a very timely fashion and provide documents, estimates, and services prior to deadlines.

This proposal is valid for 180 days.

Location

Primary services will be from our Cadillac and Grand Rapids offices. Additional support for expertise services may come from our Kalamazoo, Muskegon, and Holland offices. We propose to continue to be on-site one day a week and additional days as needs arise. We are open to altering this schedule if the ICRD prefers.



Addendum

We have received, read and thoroughly understand the Addendum for Questions and Responses.

MDOT Prequalifications

Design Prequalifications	P&N	RSE	SSI	GEI	Scott Civil Eng. Co. (L.S. Eng)	Great Lakes Eng
Design - Bridges					●	
Design - Bridges: Load Rating					●	
Design - Bridges: Scoping					●	●
Design - Bridges: Safety Inspection						●
Design - Bridges: Safety Inspection - Underwater						●
Design - Bridges: Railroad – *N/A – see write up*						
Design - Geotechnical	●					
Design - Geotechnical: Advanced	●					
Design - Hydraulics I	●					
Design - Hydraulics II	●					
Design - Landscape Architecture	●					
Design - Roadway	●					
Design - Roadway: Intermediate	●					
Design - Utilities: Municipal	●					
Design - Traffic: Pavement Markings	●					
Design - Traffic: Work Zone Maintenance of Traffic	●	●				
Design - Traffic: Capacity & Geometrics Analysis		●				
Design - Traffic: Safety Studies		●				
Design - Traffic: Signal		●				
Design - Traffic: Signal Operations		●				
Design - Traffic: Signing - Freeway		●				
Design - Traffic: Signing - Non-Freeway		●				
Design - Traffic: Work Zone Mobility & Safety		●				
Design - Roadway: Complex – *N/A – see write up*		●				
Design - Utilities: Subsurface Utility Engineering			●			
Surveying: Construction Staking	●		●			
Surveying: Road Design	●		●			
Surveying: Hydraulics			●			
Surveying: Right of Way			●			
Surveying: Structure			●			
Environmental: Wetland Assessment				●		
Design: Wetlands – *N/A – see write up*						
Construction Prequalifications						
Construction Engineering: Assistance	●					
Construction Engineering: Bridges & Ancillary Structures	●					
Construction Engineering: Roadway	●					
Construction Engineering: Roadway-Local Agency Program	●					
Construction Inspection: Bridge Painting	●					
Construction Inspection: Bridges & Ancillary Structures	●					
Construction Inspection: HMA Pavement	●					
Construction Inspection: Roadway	●					
Construction Inspection: Traffic and Safety	●					
Construction Services: Office Technician	●					
Construction Testing: Aggregates	●					
Construction Testing: Concrete	●					
Construction Testing: Density	●					

*Many of our partner firms also have duplicate prequalifications to provide additional assistance if ever needed.

Fee Schedule

Effective January 2024

Unless otherwise agreed, Prein&Newhof bills for time spent on a project at the hourly rate of the employees assigned. Identified below are the hourly rates for various employee classifications. Hourly billing rates include overhead, fringe benefits, and profit.

Employee Classification	Hourly Billing Rate*
Senior Project Manager, Senior Professional IV	$179
Project Manager, Senior Engineer III, Senior Professional III, Landscape Architect III, Senior Technician V	$164
Senior Engineer II, Senior Professional II, Surveyor IV, Senior Technician IV, Geologist, Lab Manager	$153
Senior Engineer, Senior Professional, Landscape Architect II, Surveyor III, Senior Technician III	$143
Engineer II, Surveyor II, Senior Technician II, Senior Office Technician	$134
Engineer, Surveyor, Senior Technician	$124
Landscape Architect, Technician IV	$114
Technician III, Lab Technician, Office Technician	$104
Technician II	$91
Technician	$78
Project Expenses	
Mileage	$0.70/mile
Direct expenses and sub-consultant costs	Invoice amount plus a 10% handling charge

Project References and Experience

- **As-Needed Consulting Engineering for Road Commissions and Municipalities**
  Missaukee CRC, Clare CRC, Isabella CRC, Lake CRC, Oceana CRC, Wexford CRC, Ionia County Road Department, City of Cadillac, City of Harrison, Lake Township
  Ongoing - Service Fee $10,000/year +
  Provided As-Needed Design and CE services. Responsible for as-needed scoping and development of Capital Improvement Plan, Design and Construction engineering on projects and County Highway Engineering duties. This work involves all engineering services needed by the Road Commission and Agency. Services range from miscellaneous consultation and review to specific project management, design and construction engineering, testing, and inspection. This work involves scoping, project development, design, permitting, estimating, development of maintaining traffic plan for preventative maintenance 3R and 4R projects. Many are coordinated through MDOT Local Agency Programs. We also prepare the Bridge and Safety Applications with a very high rate of success. Also included are as-needed support services such as soils investigation, survey, testing and inspection, and environmental services.

- **Broomfield Road Improvements - Design and Construction Testing & Inspection**
  Client: Isabella County Road Commission **Contact:** Pat Gaffney, (989) 773-7131
  Year Completed: 2023-2024
  Project Description: Project involves 1.16 miles of cold milling HMA surface, concrete curb and gutter replacements, ADA sidewalk ramp improvements, utility structure rehabilitation and adjustments, HMA paving, permanent signing, pavement markings, and traffic signal head adjustments. **Local Agency Project.**

- **Clarksville Road and Keefer Highway Design & Construction Testing & Inspection**
  Client: Ionia County Road Department **Contact:** Linda Pigue, (616) 527-1700
  Year Completed: 2023-Current
  Project Description: Project involves 2.5 miles of HMA crushing and shaping, shoulder upgrades, two course HMA paving, pavement markings, and signing. **Local Agency Project.**

- **Potters Road Design – Phase 1 and 2 Design and Construction Testing & Inspection**
  Client: Ionia County Road Department **Contact:** Linda Pigue, (616) 527-1700
  Year Completed: 2023 & 2024
  Project Description: Project involves 1.2 miles of crushing and shaping the existing HMA surface, trenching for widening and shoulder upgraders, HMA paving, pavement markings, and maintaining traffic. Worked with Road Department to remove and replace culverts prior to design of this project. **Local Agency Project.**

- **Old M-63 Improvements** Design and Construction Testing & Inspection
  Client: Lake County Road Commission **Contact:** Leroy Williams, (231) 745-4666
  Year Completed: 2023
  Multiple phases of this project have been designed and built which have consisted of crushing and shaping the existing HMA surface, trenching for widening and shoulder upgrades, superelevation improvements, culvert replacements, guardrail upgrades, and HMA paving. These projects also included construction staking, permits, testing and inspection, permanent pavement markings, permanent signing, and maintaining traffic items. **Local Agency Project.**

❖ **2023 Countywide Chip Seals** Design and Construction Testing & Inspection
Client: Isabella County Road Commission **Contact:** Pat Gaffney, (989) 773-7131
Year Completed: 2022-2023
Project Description: Project involved 33 miles of roadway including a single chip seal, fog seal and pavement markings on various routes in Isabella County and in Lake Isabella (non-participating). **Local Agency Project.**

❖ **Division Street – Linden to Leeson** Design and Construction Testing & Inspection
Cadillac, MI
Client: City of Cadillac **Contact:** Owen Roberts, (231) 775-0181
Year Completed: 2022-2023
Project Description: Project involved Road Reconstruction including removal of existing road and curb, utility and drainage improvements, subbase and aggregate base placement, curb and gutter, hot mix asphalt, ADA compliant sidewalk ramps, pavement marking, and permanent signing. **Local Agency Project.**

❖ **City-wide HMA Resurfacing – Multiple Locations**
Cadillac, MI
Client: City of Cadillac **Contact:** Owen Roberts, (231) 775-0181
Year Completed: 2022-2023
Project Description: Project involved Cold Milling and HMA Crushing and Shaping for 17 locations throughout the city of Cadillac. This city-wide project was developed as a program to improve the network, make a positive impact on many local streets, and improve PASER ratings on many streets.

❖ **Lester Street Improvements** Design and Construction Testing & Inspection
James Street to Howard Street, Cadillac, MI
Client: City of Cadillac **Contact:** Owen Roberts, (231) 775-0181
Year Completed: 2022-2023
Project Description: Project involved street reconstruction including HMA paving, concrete curb and gutter, sidewalk ramp improvements for ADA compliance, storm sewer, water main, and sanitary sewer improvements.

❖ **8 Mile Road Reconstruction - 2 Phases** Design and Construction Testing & Inspection
8 Mile Road from Prosper Road to Lotan Road and
8 Mile Road from Lotan Road to M-55, Missaukee County, MI
Client: Missaukee County Road Commission **Contact:** Brad Siddall, (231) 839-4361
Year Completed: 2021-2023
Project Description: Project involved 6.5 miles of road reconstruction and rehabilitation (crush and shape) including culvert replacements, drainage improvements, HMA paving, and pavement markings. **Local Agency Projects.**

❖ **8 Mile Road to Brooks Road – Safety Project Design and Construction Testing & Inspection**
Lake County, MI
Client: Lake County Road Commission **Contact:** Leroy Williams, (231) 745-4666
Year Completed: 2022
Project Description: This safety grant project involved HMA base crushing and shaping, superelevation corrections, HMA paving, and signing on 8 Mile Road, Johnson Road, 9 Mile Road, and Brooks Road. This was a **Local Agency Project.**

- **Brown Street Reconstruction – Phase 1 & 2 Design and Construction Testing & Inspection**
  Client: City of Mt. Pleasant Contact: Stacie Tewari, (989) 779-5404
  Completed Year: 2022
  Local Agency Projects
  Phase 1 - The project consisted of full roadway reconstruction including HMA and curb and gutter removal. Sidewalk improvements for ADA compliance, signal crosswalk push buttons, storm sewer drainage improvements, sanitary sewer improvements, watermain upgrades, HMA paving and concrete curb and gutter construction in an urban environment. Coordination with residents, businesses, and an elementary schools.

  Phase 2 - The project consisted of reconstruction between High Street and North Drive, including replacement of curb and gutter and sidewalk. The existing street was reconstructed 1200' long, 40' wide to remove and replace existing asphalt and subbase material. Driveway approaches were reconstructed. Sidewalk and sidewalk ramps were replaced for newly constructed for A.D.A. compliance. 300' of storm sewer was reconstructed as well as 100' of new storm sewer added to improve the storm water drainage system. This included 15 drainage structures. Water valves were removed and replaced. Turf restoration for all disturbed lawn areas. Responsible for all construction engineering services, including inspection, testing, and project administration and project engineering services.

- **Riverside Drive, From the east City Limits of Saranac to Ainsworth Road**
  Ionia County, MI; CS 34000, JN 206981A
  Client: Ionia County Road Department **Contact:** Linda Pigue, (616) 527-1700
  Year Completed: 2022
  Project Description: Project involved 4.76 miles of hot mix asphalt cold milling and resurfacing, shoulder improvement and pavement markings. This was a **Local Agency Project**.

- **Roundabout at East Division Street and Crosby Road** Design and Construction Testing & Inspection
  Client: City of Cadillac **Contact:** Owen Roberts, (231) 775-0181
  Year Completed: 2022
  Project involved 0.23 miles reconstruction of roundabout, hot mix asphalt surfacing, concrete curb, gutter and sidewalk, permanent signing and pavement markings, drainage, traffic signal removal, maintenance of traffic via detour, lighting and landscaping. Responsible for all construction engineering services, including staking, inspection, testing, and project administration and project engineering services. **Local Agency Project.**

- **West Stevensen Road Improvements** Design and Construction Testing & Inspection
  Client: Lake County Road Commission Contact: Leroy Williams, (231) 745-4666
  Year Completed: 2022
  Project involved road reconstruction including culvert replacements, earthwork, subbase, aggregate base, HMA paving, and pavement markings. This is a Disaster Project from 2018. Responsible for all construction engineering services, including staking, inspection, testing, and project administration and project engineering services. **Local Agency Project.**

❖ **US-23, Harrisville Township Design**
Client: MDOT- Alpena TSC **Contact:** Kevin Schaedig, (989) 356-2231
Completed Year: 2021
Project involved the design of 1.9 miles of Reconstruction on US-23 in Alcona County. This 4R project involved removing the rubblized concrete and replacement of drainage culverts. Performed detailed review of culvert and all drainage crossing. Hydraulic modeling completed for three small tributaries using HEC-RAS. Significant drainage improvements provided a much needed long-term fix for this important NHS route in northern Michigan. Project included intersection upgrades, slope restoration, incorporation of BMPs, maintenance of traffic for locals and a lengthy detour, utility coordination and stakeholder coordination. Drainage design included delineation of all drainage areas and sizing of 11 cross culverts all of which ultimately outlet to Lake Huron. Prepared all grading permits and environmental permits.

❖ **Chestnut Street from Leeson Avenue to Linden Street** Design and Construction Testing & Inspection
Client: City of Cadillac **Contact:** Owen Roberts, (231) 775-0181
Year Completed: 2020 and 2021
Project was designed in 2 phases of construction. The first section of 0.25 miles from Colfax Street to Linden Street was locally let and constructed in the summer of 2020. The second section of 0.26 miles from Leeson Avenue to Colfax Street was let through MDOT LAP and was constructed summer of 2021. The project was a complete reconstruction involving widening to add bicycle lanes, profile adjustments, storm sewer upgrades to improve drainage, and ADA ramp construction. Sanitary sewer upgrades, water main valve and hydrant replacements, and water service lines were also included. Multiple intersections had great concentration of underground utilities that challenged the design and construction of new storm sewer. Traffic, as well as pedestrian and bicycle route detours were required for construction. The project required detailed construction sequencing due to proximity to multiple schools. Responsible for all construction engineering services, including staking, inspection, testing, and project administration and project engineering services. **Local Agency Project.**

❖ **Cass Street Improvements** Design and Construction Testing & Inspection
Client: City of Cadillac **Contact:** Owen Roberts, (231) 775-0181
Completed: 2019
Project involved 0.11 miles of full street reconstruction, curb and gutter, HMA paving, sidewalk and sidewalk ADA ramps, storm sewer improvements, watermain, and sanitary sewer improvements. The project also included railroad crossing improvements, jack and bore installation for water main under the railroad, addition of bike lanes, and parking areas as well as all construction engineering services, including staking, inspection, testing, and project administration and engineering. The project added bike lanes for developing a Complete Multi-Modal Street Concept. New ductile iron water main was installed to remove a dead end line which involved bore and jack installation under a railroad. Sanitary sewer was adjusted to improve flat service leads and to remove a conflict with storm sewer pipe. Addition of two pedestrian crossings and the realignment of sidewalks in City Park. Project required coordination with railroad upgrades, construction of The Market at Cadillac Commons, and with several local businesses. Responsible for all construction engineering services, including staking, inspection, testing, and project administration and project engineering services.

❖ **Monroe Road Reconstruction Phases 1, 2, 3, and 4** Design and Construction Testing & Inspection
Client: Oceana County Road Commission **Contact: Mark Timmer (231) 873-4226**
Year Completed: 2017
Project involved roadway design engineering, topographic survey, subsurface soil investigation, coordination with private utilities, construction easements, and Right-Of-Way acquisition assistance. 5.0 miles of crush and shaping existing roadway, widening, trenching, installation of 6" underdrain, HMA valley gutter, utility relocation, drainage analysis, ditching, culvert removals and replacements, guardrail, maintenance of traffic, signing, and pavement marking. Subsurface soil investigation and soil borings were performed. This roadway had a clay stabilized aggregate base that needed to be removed. Project required coordination with MDEQ and Drain Commission for culvert crossing and adjacent wetlands. Extensive coordination was performed with public gas utility in order to ensure relocation of primary gas line was relocation prior to construction with no disturbance to the MDOT LAP project. Responsible for all construction engineering services, including staking, inspection, testing, and project administration and project engineering services. **Local Agency Project.**

❖ **T.A.R.T. Design and Construction Testing & Inspection**
Leelanau County, MI; CS 45089, JN 111982A
Client: TART Trail Association **Contact:** Julie Clark, (231) 941-4300
Lake County, MI
Year Completed: 2012
Project Description: This project involved design of 6.0 miles of non-motorized trail providing connectivity from Traverse City to Suttons Bay. Project involved removal of railroad trestle, ADA ramps, drainage, DEQ permits, culvert removal and replacement, permits, signing and maintenance of trail traffic. Dealt with issues regarding farm equipment access and construction during cherry/fruit harvest season as well as steep driveways. Project involved 6.0 miles of grading, clearing, hot mix asphalt paving, and restoration on Traverse Area Recreation and Transportation Trails (TART) from Lakeview Hills north to Revold Road, Leelanau County. Coordinated work with Leelanau County Road Commission as grant recipient and also with MDOT Local Agencies Program unit. Responsible for the preparation of all plans, specs, and estimates, schedule, and budget. Responsible for roadway design, signing design, pavement marking, maintenance of traffic, unique special provisions, easements and grading permits. Responsible for all construction engineering services, including staking, inspection, testing, and project administration and project engineering services.

❖ **US-31/M-72 Acme Intersection Study and Reconstruction Design**
Acme Township, Grand Traverse County, MI; CS 28013 & 28042, JN 86052A
Client: MDOT-Traverse City TSC **Contact:** Gary Niemi, P.E., (231) 941-1986
Year Completed: 2004-2007
Project Description: This project involved conducting an Early Preliminary Engineering Study to determine the geometric design, safety enhancements, environmental impacts, access management recommendations, and right-of-way needs for the improvement of the US-31/M-72 intersection. The goal of the study was to increase the capacity and safety at the location. It included the development of geometric alternatives, detailed cost estimates, and traffic operations modeling using Synchro. The project included a public meeting and report documenting the findings, surfacing and geometry improvements.

The second phase of this project designed for the construction of a right turn lane for northbound US-31 to eastbound M-72. Also designed and provided two left turn lanes for westbound M-72 to southbound US-31 with appropriate storage lanes available. Traffic signals, traffic signal optimization, maintaining of traffic, signing, pavement marking, curb and gutter, sidewalks, ADA pedestrian crossings, access management and drive control, guardrail, drainage, storm sewer, utility coordination, trench drains, utility relocations and ROW were all incorporated.

The third phase completed an enhancement landscaping project within the same limits. Streetscaping with a mix of stamped, colored, decorative and plain concrete sidewalks, trees, planting beds, perennials, retaining wall as well as aesthetic improvements to the Acme Township Park was designed. Coordinated and met with MDOT, Village Staff, and local Business Owners for input and to develop the color and pattern of the sidewalk and select desired plantings.

❖ **Columbia and Waverly Ingham County for Ingham County Road Department - Clark Dietz, Inc.**

Prime | March 2018 - May 2018 | Contact: Neal Galehouse | 517.676.9722 x.2345

This project was designed to address low visibility due to bridge trusses and railings, which were impeding visibility for the approaching EB traffic from south leg of Waverly Rd at Columbia Rd. A field review was performed, analyzing sight distance and identifying a combination of signal and signage as a solution. A new intersection conflict warning system, radar detection, as well as LED flashers and signage were prepared during preliminary design. A new fully actuated traffic signal was proposed during final phase of the project. Signal design and signal timing, which includes microwave radar actuated green, along with all red extensions, were completed.

❖ **Signal Modeling & Timing for Ingham County Road Department - Clark Dietz, Inc.**

Subconsultant | March 2021 - Dec. 2022 | Contact: Kelly Jones, PE | 517.676.7222

As part of the existing 2021 & 2022 signal modeling and timing permits, three intersections required signal optimization and completed timing permits for the ICRD Lake Lansing Rd. roadway and signal improvements. The Lake Lansing intersections included Lake Lansing at Wood St., Lake Lansing at Towne Centre Blvd., and Lake Lansing at Kerry St. RSE provided Signal Modeling & Timing Permit Consulting Services. [CS/JN - NA]. Signal Design, Signal Operations services were performed.

References

- **Lake County Road Commission ***
  1180 N. Michigan Avenue
  Baldwin, MI 49304
  Leroy Williams – 231-745-4666

- **Isabella County Road Commission ***
  2261 E. Remus Road
  Mt. Pleasant, MI 48858
  Pat Gaffney, P.E. – 989-773-7131

- **Mason County Road Commission ***
  510 E. State Street
  Scottville, MI 49454
  Eric Nelson – 231-757-2882

- **Clare County Road Commission ***
  3900 E. Mannsiding Road
  Harrison, MI 48625
  Dewayne Rogers – 989-539-2151

- **Canadian Lakes Prop. Owners Association**
  10690 Pierce Road
  Canadian Lakes, MI 49346
  Casey Smith – 231-942-7651

- **Missaukee County Road Commission ***
  1199 N. Morey Road
  Lake City, MI 49651
  Brad Siddall – 231-839-4361

- **Oceana County Road Commission**
  3501 West Polk Road, P.O. Box 112
  Hart, MI 49420
  Mark Timmer – 231-873-4226

- **MDOT – Mt. Pleasant TSC**
  1212 Corporate Drive
  Mt. Pleasant, MI 48858
  Jack Hofweber, P.E. – 989-773-7756

- **MDOT-Traverse City TSC**
  2084 US-31 South, Suite B
  Traverse City, MI 49685
  Dan Wagner, P.E. – 231-941-1986

- **Wexford County Road Commission ***
  85 West M-115, P.O. Box 49
  Boon, MI 49618
  Karl Hanson, P.E. – 231-775-9731

- **City of Cadillac ***
  200 N. Lake Street
  Cadillac, MI 49601
  Owen Roberts – 231-775-0181

- **Manistee County Road Commission ***
  8946 Chippewa Highway
  Bear Lake, MI 49614
  Mark Sohlden/Brad Kluczynski – 231-889-0000

- **Grand Traverse County Road Commission**
  1881 LaFranier Road
  Traverse City, MI 49696
  Derek Weichlein, P.E. – 231-922-4848

- **Conservation Resource Alliance**
  108050 Traverse Highway, #1180
  Traverse City, MI 49684
  Kim Balke – 231-946-6817

- **Leelanau County Road Commission ***
  10550 E. Eckerle Road
  Suttons Bay, MI 49682
  Craig Brown, P.E. – 231-271-3993

- **Osceola County Road Commission ***
  4737 Makwa Drive
  Hersey, MI 49639
  Mike Mattzela, P.E. – 231-832-5171

- **MDOT- Grand Rapids TSC**
  20660 Leonard Street, NE
  Grand Rapids, MI 49525
  Kyle Piccard – 616-464-1800

**Prein&Newhof has As-Needed contracts with these Road Commissions, Cities, and Agencies. P&N provides their primary engineering, surveying, and/or construction services.*

Connie Houk, PE

Project Manager / QA/QC Engineer



Connie is a Senior Transportation Civil Engineer with over 35 years of engineering experience. She worked for MDOT for over 12 years, where she gained experience in road design, construction, and managed the Statewide Pavement Management program for MDOT before joining Prein&Newhof. Connie also worked for Wilcox Professional Services in Cadillac, serving as the office leader managing both road and bridge design, as well as oversight of the geoenvironmental, drilling, survey, construction, and alternative energy groups.

Connie has extensive experience in roadway projects from beginning to end—starting with a project's inception, determining the best pavement fix for the life extension desired, scoping the project, incorporating Complete Streets principles, designing the plans, and following the project into construction while conducting the field inspection. Connie's project management and project engineering experience is specialized in asset management planning, road and freeway design projects, streetscape designs, trails, greenways, non–motorized paths, pavement management, and a variety of other civil engineering projects.

Representative Projects

Roads

- **Clare CRC:** Chip and Seal Projects, Overlay Project, Colonville Road, Vandecar Road/Mill Creek Pond Dam, Stockwell Road, Pine Road, Clare Avenue, Arnold Lake Road
- **Clinton CRC:** Chandler Road
- **Emmet CRC:** Lake Shore Drive
- **Ionia County Road Department:** As-Needed Services, Chip & Fog Seal, Potters Road Design & CE, Johnson Road Design & CE, Clarksville Road & Keefer Highway, Nash Highway Storm Repair, David Highway, M-66, Grand River Intersection, Centerline Road, Stage & Nickle Plate Roads, Zahm Road Safety Project, Charlotte Highway Safety Project, Riverside Drive-CE, Lee Road Cul-de-Sac, Hawley Highway, Divine/Marsale Highway, Sprague Road, Prairie Creek Road, Welch Road, Cemetery Road
- **Gladwin CRC:** Knox Road Reconstruction
- **Isabella CRC:** Walton Road Design, Vernon Road Design, Whiteville Road Design, Winn Road, Pere Marquette Road Design, Loomis Road Design, Countywide Chip Seal-CE, Broomfield Road Design

Education

Bachelor of Science, Civil Engineering

Michigan Technological University, 1989

Registrations

Engineering Michigan, 1994

Certifications & Training

Bridge Asset Management Training

Compliance Plan Training

Pavement Asset Management Plan Training

Advanced Roadsoft Training

Construction Stormwater Operator Certification

FHWA Real Estate - Basic Uniform Act Appraisal Requirements

FHWA Real Estate- Federal Uniform Act Requirements

LTAP Training, Asset Management Workshop

LTAP Training, Building a Pavement Deterioration Model & Pavement Management Advanced Training

Michigan Traffic Sign Inventory System Training

Mini Roundabout Symposium Training

PASER Training

Pavement Surface Evaluation and Rating Training

Roadsoft PASER Training

Roadsoft User Conference (RUCUS)

Soil Erosion and Sedimentation Control Certificate

Transportation and Environment

USDA Rural Development Financing

Professional Activities

ACEC Michigan

Professional History

Prein&Newhof, 2013-Present, 35 years in Industry

- **Kalkaska CRC:** Shippy Road Design, Starvation Lake Road Reconstruction, Spencer Road Hot-Mix Asphalt Overlay, Manistee Lake Road-East of 571, Shore Road, Spencer Road Hot-Mix Asphalt Overlay
- **Lake CRC:** 8 Mile to Brooks Road – Safety Project, Beech Street & 3rd Street, Heritage Bay & Kings Highway Soil Borings, FY Safety Applications, Hawkins Road Overlay, Gleason's Landing FLAP Grant, Storm Event South Branch Road, 64th Street, Old M-63, West Stevenson Road Repair
- **Grand Traverse CRC:** South Airport Road
- **Manistee CRC:** 2020 LAP WCF, Kott & Siuda Roads, Seaman Road, River Road, Hoxeyville Road, 9 Mile Road, Marilla Road, Merkey Road & Maple Road Resurfacing-CE, Glovers Lake Road-CE, Chief Road-CE
- **Mason CRC:** Jebavy Drive
- **Missaukee CRC:** Burkett Road Design & CE, 8 Mile Road, Jennings Road Improvements, Lakeview Drive Improvements
- **Muskegon CRC:** Ellis Road Resurfacing, Maple Island to Ravenna Road
- **Oceana CRC:** 192nd Avenue Safety Project, Monroe Road (All 4 Phases), Shelby Road Phase I and II, Act 51 Mileage Certification Assistance, Monroe Road Phases 1-4, Lakeview Road Design, Oceana Drive
- **Osceola CRC:** 210th Avenue CE, 14 Mile Safety Project
- **Roscommon CRC :** 2017 Safety Project, County Road 100
- **Wexford CRC:** Chittenden Nursery Road/M-55 Construction Engineering & Upgrades, Mackinaw Trail
- **City of Big Rapids:** 4th Avenue from Madison Avenue to Baldwin Street, Bjornson Street from DeKrafft Avenue to Milton Avenue, Bronson Avenue from Maple Street to Milton Avenue, US-131 BR Michigan Avenue Streetscape and Roadway Reconstruction Project, Monroe Avenue Street Improvements, Sherman Street Reconstruction
- **City of Cadillac:** Leeson Street Reconstruction, Cass Street Redesign, Cobb and Division Streets Reconstruction, Ford Street, Smith Street, Wheeler Street, Garfield Street, Blodgett Street, Marble Street, Holly Road, Wren Place, Vine Street, Heather Place, South Street, the Cadillac Plaza, Roundabout @ Division & Crosby, Mason & Bremer Streets, Aldrich Street, Chestnut Street, Crosby Road, Carmel Street, Burlingame Street, Crestview Street, Evart Street, Crippen Street, Simons Street, Shelby Street, Stimson Street, Ayer Street, Division Street, Cadillac Culvert Pilot, Potvin Industrial Park Streets/Site Readiness Grant, Leeson Avenue Improvements, Lincoln Street, City Wide Paving-CE, Lester Street, Lake Street, River Street
- **City of Ferrysburg:** Dogwood Drive Reconstruction
- **City of Grand Haven:** North Shore Drive Reconstruction
- **City of Grand Rapids:** Sidewalk Improvements in Plainfield I-96 to 390' North of Salerno Drive, Reconstruction of Fulton Street, Resurfacing of Hall Street from Division Avenue to Jefferson Avenue
- **City of Harrison:** 2nd Street & Main Street (M-61) DIG Project
- **City of Kentwood:** 32nd Street Reconstruction, Engineering Services for Sparks Drive & Forest Hill Avenue Improvements
- **City of Midland:** Swede Avenue Reconstruction
- **City of Mount Pleasant:** Broadway Street Reconstruction, Broadway-CE, Brown Street Reconstruction (2 Phases)
- **City of Muskegon:** Lakeshore Drive Reconstruction-McCracken to Laketon, Reconstruction of Muskegon & Webster Avenues, Peck Street Reconstruction-Merrill to Laketon, Old Business Route US-31 (Muskegon and Webster Avenues Reconstruction), Laketon Lakeshore Trail Connector
- **City of South Haven:** 8th Avenue Reconstruction
- **City of Walker:** Kinney Avenue & Trail Connector, Remembrance Road & Kinney Avenue Intersection
- **Muskegon County:** Swanson Road

Bridges

- **Antrim CRC and Conservation Resource Alliance (CRA):** Cokirs Creek Crossing, Old State Road over Jordan River Bridge
- **Barry CRC and CRA:** Finkbeiner Road and Thornapple River Bridge
- **Benzie CRC and CRA:** Burnt Mill Road over Woodcock Creek, Nessen Road over Little Betsie River
- **Emmet CRC:** McDougal Road Bridge Design, Carp River Crossings-Munger Road & Reed Road

- **Gladwin CRC:** McNamara Road over North Branch Tobacco River, Townhall Road Bridge Construction Engineering
- **Grand Traverse CRC:** Fife Lake Outlet Creek & Anderson Creek Stream Crossings
- **Ionia CRD:** Cutlery Road Bridge, Bell Road Bridge, Stage Road Culvert, David Highway Bridge, Cutler Road over Looking Glass River
- **Isabella CRC :** Walton Road, Chip Seal Lap Projects, FY 2019 Chip Seal Program Design, Vernon Road Design, Whiteville Road Design, Winn Road
- **Kalkaska CRC:** West Sharon Road Bridge over the Manistee River, Biennial Bridge Inspections, Big Cannon Culvert Replacement, Rapid River Crossings
- **Lake CRC:** Peacock Bridge
- **Lake CRC and CRA:** 40th Street Sanborn Creek Crossing, Star Lake Drain and Lake Control Structure
- **Mason CRC:** Fisher Road Bridge
- **Roscommon CRC:** Albermarle Boulevard Culvert Replacement, Long Point Drive Westerly Culvert Replacement, Eighth Street Ditch Enclosure Hydraulics, Old US-27 Bridge over Muskegon River
- **Manistee CRC:** Red Bridge-Coates Highway
- **Mason CRC:** Hawley Road Bridge, Hansen Road
- **Missaukee CRC:** Lucas Road Bridge, Vandermuelen Road Bridge, Star City Road Bridge

MDOT Projects

- M-44 Connector, City of Grand Rapids, Kent County
- US-127 Cape Seal Full CE, Gaylord TSC
- As-Needed LAP & Warranty Oversight Projects
- As Needed, As Needed Inspection & Testing - Mt. Pleasant TSC, Traverse City TSC
- Design Services - Muskegon TSC
- Pere Marquette State Trail & Design Services During Construction
- Statewide PASER (2020-2024)
- US-12, West Village Limit to Edwardsburg to M-62
- US-131 Road Scoping - Coon Hollow to Schoolcraft
- As-Needed Design & Scoping Projects, Muskegon TSC: Lake, Mason, Muskegon, Newaygo, Oceana, Osceola, and Ottawa Counties
- I-96 Concrete Freeway Reconstruction, Marne & Coopersville
- M-11 (28th St.) Concrete Reconstruction, City of Wyoming, Kent County
  M-121 (Chicago Drive), Hudsonville, Zeeland, Jamestown & Georgetown Townships., Ottawa County
- M–222 Slope Stabilization Full Construction Engineering, Allegan
- M-66 Concrete Reconstruction, Ionia
- On-site Staff Engineer for Design Services - Grand Rapids Region Office
- US-127 BR Road Reconstruction/Safety Improvements, Harrison
- US-131 SB - Preliminary Site Investigation (PSI), Grand Rapids
- US-131 SB, Ann Street, Concrete Freeway Reconstruction, Retaining Walls, and Floodplain Protection, Grand Rapids
- US-31 at M-120, Loop Ramp Construction, Muskegon County
- US-31/M-72 Acme Intersection Early Preliminary Engineering Study, Grand Traverse County
- US-31/M-72 Acme Intersection Reconstruction and Streetscape, Grand Traverse County

As-Needed Engineering Services

- City of Cadillac, City of Clare, Ionia County Road Department, Lake CRC, Missaukee CRC, Lake Township, Roscommon CRC, Oceana CRC, Kalkaska CRC, Isabella CRC, Clare CRC, Osceola CRC, Wexford CRC, Leelanau CRC, Mecosta County Parks Commission, Mason CRC

PASER, Asset Management

- **Canadian Lakes Property Owners Association:** Long Term Pavement Management Program, As-Needed Engineering Services & Pavement Assessment
- **City of Cadillac:** PASER, Stormwater, Asset Management Plan Development and & Wastewater Program Plan (SAW)
- **Ionia CRD:** Compliance-Bridge-Pavement Asset Management Plan
- **Kalkaska CRC:** Roadway Asset Management Plan
- **Leelanau CRC:** Cherry Home Shores – Roadway Program
- **Lake CRC:** Asset Management Plan
- **Mason CRC:** Asset Management Plan

Eric Seguin, PE Assistant Project Manager, Design, Drainage, and Hydraulics Engineer



Eric has experience in designing roads, bridges, and drainage systems for a wide range of projects. His previous clients have included local agencies, MDOT, EGLE, and private industry.

He gained a strong foundation of experience by starting with construction oversight of major facility projects such as wastewater systems, sand recovery devices, and melt system devices. His diverse experience also includes maintenance of mechanical, air, and roofing systems, design of various structural and mechanical systems.

A typical project includes overseeing bidding process during projects, directing contractors and maintenance personnel, training other engineers and engineering interns, tracking budgets, overseeing crew inspecting wind turbine construction, reviewing and compiling daily reports, and holding progress meetings with clients.

Education

Bachelor of Science, Civil Engineering

Michigan Technological University, 2004

Registrations

Engineering Michigan, 2008

Professional Activities

American Water Works Association-Michigan Section

Professional History

Prein&Newhof, 2018-Present

18 years in Industry

Representative Projects

Roads & Streets

- **Alcona CRC:** Ritchie Road, Hubbard Lake Road
- **Ionia County Road Department:** As Needed Services, Chip & Fog Seal, Potters Road Design & CE, Johnson Road Design & CE, Clarksville Road & Keefer Highway, Nash Highway Storm Repair, David Highway, Grand River Intersection, Centerline Road, Zahm Road Safety Project, Charlotte Highway Safety Project, Morrison Lake Road Safety Project, Riverside Drive-CE
- **Isabella CRC:** Chip Seal LAP Projects, Summerton Road (Remus to Broadway), Jordan Road (US-127 to Isabella Road), Loomis Road Design, Pere Marquette Road Design, Broomfield Road
- **Kalkaska CRC:** Lake Valley Road, Ingersoll Road from Coster Road to Puffer Road, Plum Valley Road & Twin Lake Road
- **Lake CRC:** 76th Street, Old M-63 Reconstruction, Bass Lake Road and 11 Mile Road Intersection, W. Stevenson Road Repair, S Branch Road Repair, Old M-63 W. of Twin Creek, 56th Street, Old M-63 Ercole to SYER
- **Mason CRC:** Hansen Road
- **Manistee CRC:** 9 Mile Road CE, Marilla Road CE, Coates Highway Resurfacing, Merkey Road & Maple Road Resurfacing
- **Missaukee CRC:** Burkett Road, Lucas Drainage Study-Richland Twp, 8 Mile Road Improvements
- **Clare CRC:** Keehn Road, Maple Grove Road from Lake Station Avenue to Hemlock Avenue, Clare Avenue/Surrey Road Intersection Reconstruction, Clare Avenue from Colonville Road to Beaverton Road, Maple Grove Road, Grant Avenue Reconstruction, Dover Road Reconstruction, Mannsiding Road from Old State Avenue to Harrison Avenue, Clare Avenue/Adams Road Intersection, Lincoln Township Fire Hall, Washington Avenue
- **Muskegon CRC:** Whitehall Road-River Road to Bard Road
- **Osceola CRC:** 210th Avenue, 14 Mile Safety Project, 165th Avenue
- **Otsego CRC:** Old 27 North from Winters Road to North County Line

- **Wexford CRC:** Chittenden Nursery Road/M-55 Upgrades, FFH-37 (Caberfae Road)
- **City of Cadillac:** As Needed Engineering Services, Chestnut Street T & I, Chestnut Street, Crestview Street, Evart Street, Mason & Bremer Construction T & I, Potvin Industrial Park Streets/Site Readiness Grant, Roundabout @ Division & Crosby, Shelby Street, Stimson Street, Simons Street, Lester Street, Stimson Street
- **City of Midland:** Swede Avenue Reconstruction
- **City of Mount Pleasant:** Brown Street Reconstruction
- **City of Muskegon Heights:** Sherman Boulevard Resurfacing, SRF Project Plan-Phase I Implementation
- **Muskegon County:** Swanson Road

Bridges

- **Arenac CRC:** Arenac State Road Bridge over Rifle River, Arenac State Road Bridge over Pine River, Melita Road over Rifle River
- **Barry CRC:** Finkbeiner Road and Thornapple River Bridge
- **Clare CRC:** Vandercar Road over Mill Creek Pond Dam, Muskegon Road Bridge at Muskegon River, Bailey Lake Road over Cedar River
- **Emmet CRC:** Munger Road and Reed Road over Carp River Crossings, Lake Shore Drive
- **Gladwin CRC:** Maple Point Road Culvert Replacement, Bensch Road over Titabawassee River
- **Grand Traverse CRC:** Fife Lake outlet Creek and Anderson Creek Stream Crossings
- **Ionia County Road Department:** Maple Road Bridge, As Needed Services, Portland Road Culvert, Borden Road over Prairie Creek, Bell Road over Duck Creek
- **Isabella CRC:** Mission Road over TSB Railroad and US-127 BR
- **Kalkaska CRC:** Mecum Road over North Branch Manistee River, Aarwood Road over Rifle River, Tower Road NE Crossing
- **Lake CRC:** 7 Mile Road Bridges, 76th Street, Blood Creek Crossings, East 24th Street Crossing North Branch Cole Creek, South Broadway Street Crossing South Branch Cole Creek, Bass Lake Road over the Little Manistee River, Bass Lake Road and 11 Mile Road Intersection, 10 Mile over Dyer Creek, 10 Mile of Coe Creek,
- **Luce CRC:** CR 414 over Dawson Creek
- **Midland CRC:** Castor Road over Salt Creek, Levely Road Bridge over Herner Drain
- **Missaukee CRC:** 7 Mile Road Bridge over Clam River
- **Osceola CRC:** One Mile Road over North Branch Chippewa River
- **St. Clare CRC:** Frith Road over Pine River
- **Village of Harrietta:** Gossman Street over Slagle Creek
- **Village of Hersey:** Main Street Bridge at Hersey River
- **Wexford CRC:** 30 Road Bridge
- **City of Walker:** Walker Avenue Bridge Removal

MDOT Projects

- M-44 Connector, City of Grand Rapids, Kent County
- Pere Marquette State Trail
- Statewide PASER
- US-23 Harrisville Reconstruction – Alpena TSC
- M-66 Concrete Reconstruction, Ionia
- M-39 from I-94 to M-10
- M-11 (28th St.) Concrete Reconstruction, City of Wyoming, Kent County
- US-31/M-72 Acme Intersection Early Preliminary Engineering Study, Grand Traverse County
- US-31/M-72 Acme Intersection Reconstruction and Streetscape, Grand Traverse County

As-Needed Engineering Services

- City of Cadillac, Ionia County Road Department, Lake CRC, Clare CRC, Missaukee CRC, Kalkaska CRC, Oceana CRC, Mason CRC, Leelanau CRC, Manistee CRC, Lake Township

Ethan Bancroft

Construction Manager



Ethan has worked on MDOT and Local Agency projects for over 14 years with vast experience on road and bridge construction projects. He worked three construction seasons with MDOT in which he performed quality assurance materials testing and assisted Lead Construction Observers with project oversight. He has an excellent successful history working with Gaylord, Cadillac, Mt. Pleasant, Muskegon, and Traverse City TSC's serving as Project Manager, Lead Inspector and Testing Technician as well as Certified Office Technician. He is certified and responsible for aggregate, density, concrete testing, project inspection, documentation, and Storm Water certifications. Ethan is trained using FieldManager software, AASHTOWare Construction Management and the E–Construction processes. He takes pride in his project files being complete and detailed in order to have quick project closeouts. He is versed in AASHTO, MMUTCD, MDOT, and MTM standards, specifications, and procedures. Ethan has conducted testing on mainly state and local agency road and bridge projects.

Education

Bachelor of Science, Construction Management
Ferris State University, 2013

Certifications & Training

MDOT Certified Office Technician
Concrete Field Testing Technician
MDOT Density Technology
Michigan Aggregate Technician
Soil Erosion and Sedimentation Control
Storm Water Operator for Construction Sites
Troxler Nuclear Density Testing Certification

Professional History

Prein&Newhof, 2014-Present, 14 years in Industry

Representative Projects

Roads & Streets

- **Clare CRC:** Farwell Small Urban, As-Needed Services
- **Emmet CRC:** Lake Shore Drive
- **Gladwin CRC:** Knox Road-CE
- **Ionia County Road Department:** Potters Road CE Testing & Inspection, Riverside Drive, Nash Highway CE, Clarksville Road CE, Clarksville Road CE
- **Isabella CRC:** As-Needed Services, As-Needed Inspection & Testing Services, Mission Road - Local, Lincoln Road, Chip Seal Projects, Winn Road, Coleman Road Guardrail, Blanchard Road Paving, Rolland Road Paving, Whiteville Paving, Wise Road, Mission Road Resurfacing, Isabella Road Intersection Improvements, Whiteville Road, Broomfield Road, Loomis Road at Mckay Drain, Pere Marquette Road CE
- **Kalkaska CRC:** Starvation Lake Road #2 CE, As-Needed Engineering Services
- **Leelanau CRC:** CR 641 Resurfacing Local and Resurfacing Construction Engineering
- **Missaukee CRC:** Burkett Road, Burkett Road-CE, CPM Projects, Lucas Road, Capital Preventative Maintenance, 8 Mile Road Improvements & Construction
- **Lake CRC:** As-Needed Services, 56th Street CE, 8 Mile to Brooks Road-Safety Project, 2019 HSIP Project, Gleason's Landing FLAP Grant, Hawkins Road Overlay, Hawkins Road-CE, 5 Mile Road-CE, Old M-63 Ercole to Syer, Old M-63 from M-37 to Spruce, West Stevenson Road, Old M-63 Construction, South Branch Road Repair, Old M-63 W of Twin Creek to Spruce Road
- **Manistee CRC:** County Wide Paving, Hoxeyville Road Rehabilitation, Kott & Siuda Roads, Manistee Paving, Merkey Road, Snyder Road Paving, Stronach Road Resurfacing, South Countyline, Glovers Lake Road, 9 Mile Road Resurfacing, Coates Highway Resurfacing, Lyman Road Resurfacing, Merkey Road & Maple Road Resurfacing, Local WCF, Hill Road

- **Oceana CRC:** Monroe Road Reconstruction Phases 1-4
- **Osceola CRC:** 165th Avenue, 14 Mile Safety Project, As-Needed Services, 210th Avenue
- **Wexford CRC:** As-Needed Services, 16 Road/Old M-42, 34/Boon Road
- **City of Cadillac:** As-Needed Engineering Services, Aldrich Street, As-Needed Inspection & Testing, Carmel Street, Cass Street Redesign, CE for Cobb & Division, Chestnut Street, Crippen Street, Evart Street, Leeson Street Reconstruction, Mason & Bremer Construction Testing & Inspection, Shelby Street, Division Street, Ayer Street, Lester Street, Stimson Street, Burlingame Street, Simons Street, Roundabout at Division & Crosby, Marble Street, Holly Road, Vine Street, Heather Place, Wren Place, South Street, Garfield and Blodgett Streets
- **City of Mt. Pleasant:** Brown Street Reconstruction Phases 1 & 2

Bridges

- **Antrim CRC:** Chestonia Bridge Boat Access Site CE
- **Benzie CRC:** Burnt Mill Road Crossing Woodcock Creek & Nessen Road Crossing Little Betsie River
- **Clare CRC:** Vandecar Road/Mill Creek Pond Dam
- **Isabella CRC:** Battle Road Bridge, Beal City Bridges, Blanchard Road Culvert Replacement, Bridge Rehabilitation-4 Locations, Isabella Road Bridge, Lincoln Road Bridge, Loomis Box at Welnack Drain, Loomis Box at Wise Drain, Loomis Road Bridge, Meridian Road Bridge, Pickard Road over Chippewa River, Remus & Loomis Roads over Onion Creek, Rolland Road over Chippewa River, Rosebush Road Bridge, Shepherd Road Bridge, Shepherd Road Bridge-CE, Weidman Road Bridge, Wise Road Bridge, Vandecar Road Bridge, Woodruff Road Bridge, Mission Road Resurfacing, Woodruff Road Bridge, Loomis Road at Mckay Drain
- **Kalkaska CRC:** Biennial Bridge Inspections, Rapid River Crossings
- **Lake CRC:** Old M-63 Bridge-CE
- **Mason CRC:** Fountain & Tuttle Bridges, Hawley Road Bridge, Fisher Road Bridge
- **Missaukee CRC:** CE for Three Bridges

MDOT

- **Michigan Department of Transportation:** Cadillac TSC As-Needed Inspection & Testing Services, Muskegon As-Needed Inspection & Testing, Mt. Pleasant TSC As-Needed Inspection & Testing Services, Traverse City TSC As-Needed Inspection & Testing Services, Guide (Geospatial Utility Infrastructure Data Exchange), LAP and Warranty Oversight, M-72 Full Construction Engineering, US-127 Cape Seal Full Construction Engineering, Pere Marquette State Trail, US-127 BR Clare County, US-127 Clare County, M-66 Missaukee County, M-55 over Manistee River, US-31 Mason & Manistee Counties, Non-Freeway Signing Upgrades Grand Traverse County, M-20 over Tittabawassee River, M-46 Gratiot County, M-61 Gladwin County, US-127 Gratiot & Isabella Counties, US-10 BR Midland County, US-127 Gratiot County, US-10 Westbound Clare County, M-30 Roundabout at US-10 Midland County, US-10 over H&E Railroad Bay and Midland Counties, US-10 BR Midland County, US-127 Isabella County, US-131 Osceola and Mecosta Counties, Old 131 Reconstruction Wexford County, M-20 at Leaton Road Isabella County, M-61 Clare County

As-Needed Engineering Services

- City of Cadillac, Ionia County Road Department, Lake CRC, Missaukee CRC, Isabella CRC, Clare CRC, Osceola CRC, Wexford CRC, Leelanau CRC, Mason CRC, Manistee CRC

Tom Hall, PS

Surveyor

Tom has over 42 years of survey experience. His responsibilities include data collection, staking, computations, data reduction, CAiCE, Civil 3D, and Geopak data processing, GPS processing and preparation of deliverables associated with the survey work. He creates an integration of field and office data prepared by other team members into one seamless project when needed.



Education

Bachelor of Science, Survey Engineering, Science of Surveying

Ferris State University, 1991

Registrations

Land Surveyor Michigan, 1995

Certifications & Training

Genesee & Wyoming Roadway Work Protection Training for Railroad Contractors

ACI Concrete Field Testing Technician - Level 1

Concrete Construction Inspector

CPR

Density Technology

First Aid

MCA Concrete Field Testing Technician - Level 1

Nuclear Gauge Safety

Professional Activities

Michigan Society of Professional Surveyors

Professional History

Prein&Newhof, 2014-Present

42 years in Industry

Representative Projects

Roads & Streets

- **Clare CRC:** Chip & Seal Projects, Overlay Projects, Colonville Road, Stockwell Road, Keehn Road, Grant Avenue, Dover Road, Adams Road, Mannsiding Road, Beaverton Road Paving, Lake George Avenue Streetscape and Roadway Reconstruction, Harrison Avenue, Gladwin–Clarence, Clare Avenue, from north of Colonville Road to Beaverton Road
- **Emmet CRC:** Lake Shore Drive
- **Lake CRC:** Beech Street & 3rd Street, Astor Road & 32nd St Intersection Improvements, Gleason's Landing FLAP Grant, Star Lake Road, Storm Event-South Branch Road, 76th Street Lake County, 3rd & Beech Construction Engineering, South Branch Road Repair, Wolf Lake Dam, Old 63 Safety Project, Bass Lake Road, 11 Mile Road, Central Park Boulevard Safety Project
- **Manistee CRC:** Kott & Siuda Roads, Coates Highway, Red Bridge-Coates Highway, Seaman Road CE
- **Mason CRC:** Hansen Road, West Forest Trail
- **Missaukee CRC:** Burkett Road-CE, Burkett Road, Jennings Road Improvements, Prosper Road
- **Isabella CRC:** Winn Road, Whiteville Road from Wing Road to Broomfield Road, Jordan Road, Summerton Road
- **Muskegon CRC:** Ellis Road Resurfacing, Maple Island to Ravenna Road
- **Kalkaska CRC:** Starvation Lake Road from 571 to West of Sunset Trail, Starvation Lake Road #2 CE, Ingersoll Road
- **Oceana CRC:** Lakeview Road Design in Pentwater Township, Monroe Road Phases 1-4, 192nd Avenue
- **Osceola CRC:** Mackinaw Trail & 18 Mile Road

- **Wexford CRC:** Chittenden Nursery Road/M-55 Construction Engineering & Upgrades, Lake Street Parking Lot, Mackinaw Trail from M-115 to US-131 BR, Old M-42 (16 Mile Road) from 31 Road to 41 ½ Road, Ultra Thin (48 Road from 45 Road to Seeley Road and On 16 Road to 41 ½ Road, County Paving
- **City of Big Rapids:** US-131 BR Streetscape & Roadway Reconstruction, DeKraft Avenue Reconstruction
- **City of Cadillac:** Aldrich Street from Bond to Linden, Cass Street Redesign, Cobb & Division, Chestnut Street, Evart Street, Carmel Street, Crippen Street from Mitchell to Hemlock, Leeson Street Reconstruction, Roundabout@ Division & Crosby, Potvin Industrial Park Streets/Site Readiness Grant, Simons Street-Pine to Bremer, Shelby Street, Mason & Bremer Construction T & I, Stimson Street, Marble Street; Holly Road, Vine Street, Heather Place, Wren Place, South Street; Garfield and Blodgett Streets
- **City of Harrison:** Topo Survey-City of Harrison-new Municipal Building (Sullivan Drive & Spruce Street)
- **City of Hart:** Lincoln Street Reconstruction
- **City of Mount Pleasant:** Brown Street Reconstruction – Phases 1 & 2
- **Georgetown Charter Township:** 14th Avenue & 48th Avenue Sidewalk
- **Hayes Township:** Southwood Drive
- **Lake Township:** Green Road Design
- **Muskegon County:** Swanson Road
- **Village of Sparta:** Elm Street Reconstruction

Bridges

- **Antrim CRC and CRA:** Jordan River Access Site Survey, Old State Road & Cokirs Creek Construction Assistance, Chestonia Bridge Boat Access Site CE, Cokirs Creek Crossing Design
- **Barry CRC & CRA:** Finkbeiner Road and Thornapple River Bridge Project
- **Benzie CRC:** Burnt Mill Road Crossing Woodcock Creek & Nessen Rd Crossing Little Betsie River
- **Clare CRC:** Vandecar Road/Mill Creek Pond Dam, Muskegon Road Bridge over Muskegon River
- **Emmet CRC:** Munger Road and Reed Road over Carp River Crossings
- **Gladwin CRC:** Maple Point Road Culvert Replacement, McNamara Road Over North Branch Tobacco River, Peterson Road Bridge, Estey Road, Peterson Bridge over the Pine River
- **Huron Pines:** West Karen Lake Road over East Branch Au Sable Road Crossing
- **Isabella CRC:** Isabella Road Bridge, Shepherd Road Bridge
- **Kalkaska CRC:** Rapid River Crossings, West Sharon Road Bridge over the Manistee River
- **Lake CRC:** E 24th Street Crossing N Branch Cole Creek, Star Lake Drain & Lake Control Structure Phase I, Sanborn Creek Crossings, Star Lake Drain & Lake Control Structure Phase 2, Dam Inspections, Star Lake Drain & Lake Control Structure CE, Storm Event-South Branch Road, 7 Mile Road Bridges, 8 Mile to Brooks Road – Safety Project South Broadway Street Crossing South Branch Cole Creek, Utter Road Crossing, Wolf Lake Dam
- **Manistee CRC:** Bridge and Culvert Replacement
- **Mason CRC:** Hawley Road Bridge
- **Missaukee CRC:** Lucas Drainage Study-Richland Township, Vandermeulen Road over Clam River, Star City Road over West Branch Muskegon River, Lucas Road Bridge over Hopkins Creek
- **RS Engineering, LLC:** M–63 over Higman Park Road, Berrien County
- **Village of Muir:** Prairie Street over the Maple River
- **Wexford CRC:** 14 Road over Cole Creek

As-Needed Engineering Services

- City of Cadillac, Ionia County Road Department, Lake CRC, Missaukee CRC, Lake Township, Kalkaska CRC, Isabella CRC, Clare CRC, Wexford CRC

Scott Tezak, PE
Traffic Engineer



Scott is experienced as a Transportation Engineer and has extensive experience with traffic engineering studies, impact analyses, design of traffic signals, ITS systems, roadway lighting, maintenance-of-traffic plans, signage plans, and pavement marking plans. Scott has designed projects involving signing and pavement markings design, traffic control and construction phasing design, traffic signal, ITS/interconnect, High Intensity Activated Crosswalks (HAWK), bicycle and pedestrian crossings, and roadway lighting. He has also been involved with access control analysis and signing and striping rehabilitation projects, and is well-versed in resolving circulation issues for public schools and private developments. Scott is well versed in the analysis of intersection and arterial design using a wide variety of software, including HCS and Synchro.

Education

Bachelor of Science, Civil Engineering

Michigan Technological University, 2006

Registrations

Engineering Michigan, 2018

Certifications & Training

Highway Capacity Software (HCS)

Michigan Traffic Sign Inventory System Training (MTSIS)

Synchro/Sim Traffic

Professional Activities

Institute of Transportation Engineers

American Society of Civil Engineers

Professional History

Prein&Newhof, 2018-Present

18 years in Industry

Representative Projects

As-Needed Engineering/Road Commissions/Municipal

- **Clare CRC:** As-Needed Engineering Services, 2019 Overlay Projects, FY 2020 Chip Seal & Fog Seal, Colonville Road, Signing Recommendations
- **Emmet CRC:** Carp River Crossings - Munger Road and Reed Road
- **Ionia County Road Department:** As-Needed Services, Old M-91 Corridor Intersection, Corridor Safety Improvements and Safety Analysis, Crash Safety Analysis, Traffic Control Determination and School Zone Speed Limits/Requirements, Nash Highway Storm Repair, David Highway Storm Repair
- **Isabella CRC:** Chip Seal LAP Project, Pere Marquette Road Design, Broomfield Road Design, Loomis Road Design
- **Kalkaska CRC:** As-Needed Engineering Services, Plum Valley Road & Twin Lake Road FY 2020 Project, Rapid River Crossings, Roadway Asset Management Plan
- **Lake CRC:** As-Needed Consulting Engineering, 2021 Safety Applications, 8 Mile Road, Culvert Pilot Inventory, 2018 LAP Chip Seal Projects, Safety Projects, 3rd and Beech Construction Engineering, 2019 HSIP Project, 2018 Culvert Inventory, Evergreen & 8th Street/James Road Safety Project, FY 2022 Safety Project Administration, Advance Curve Signing, Curve Improvement
- **Missaukee CRC:** Burkett Road-CE, Jennings Road Improvements, Improved Advance Curve Signing and Sinusoidal Rumble Strips
- **Manistee CRC:** Red Bridge/Coates Highway
- **Mason CRC:** Jebavy Drive Traffic Analysis
- **City of Cadillac:** As-Needed Engineering, Cadillac Culvert Pilot, Cadillac Farmers Market (CE), Cass Street Redesign, Roundabout @ Division & Crosby, Shelby Street - Cass Street to Chapin St. & Sidewalks. US-131 BR, Mitchell Street

- **City of Midland:** Swede Avenue Reconstruction
- **City of Walker:** As-Needed Engineering, Fruit Ridge Avenue (1 traffic signal) & North Ridge Drive Intersection Improvements, Kinney Avenue & Trail Connector, Remembrance Road & Kinney Avenue Intersection (1 traffic signal), Walker Avenue Bridge Removal

Traffic Signals

- **Caledonia Township:** Cherry Valley and 92nd Street Pedestrian Signal, Non-Motorized Pathway Phase 1B
- **City of Grand Rapids:** Sidewalk Improvements in Plainfield I-96 to Salerno Drive
- **City of Norton Shores:** Henry Street Corridor Traffic Signal Improvements
- **City of Rockford:** 11 Mile / Wolverine Road (Courtland) Traffic Signal Improvements, Main and Bridge Street
- **Holland Charter Township:** Quincy Street Non-motorized Pathway, Traffic Signal Improvements
- **Village of Vicksburg:** Capital Improvements (2 traffic signals, Prairie and Main Street

Maintenance of Traffic

- **City of Coopersville:** 60th and Lake Michigan Drive Booster Station Upgrades, Walk Thru Park Site Improvements
- **Holland Charter Township:** Pump Station No. 16 Improvements, Lakewood Boulevard Water Main Improvements-River Avenue to Beeline Road
- **Van Buren County Drain Commissioner:** Bob-O-Link Estates

Traffic Studies

- **City of Parchment:** Riverview Drive Traffic Signal Warrant Study
- **Xavier High School:** Circulation Study

Lighting

- **City of Cadillac:** Roundabout at Crosby and Division
- **City of South Haven:** Phoenix Street Improvements
- **City of Vicksburg:** 2019-2020 Capital Improvements
- **City of Whitehall:** North Mears Parking Lot and Pavilion, Parking Lot Lighting

MDOT

- M-44 Connector, Grand Rapids
- Statewide PASER Driver/Rater
- **Mt. Pleasant TSC:** As Needed Construction Inspection & Testing
- **Alpena TSC:** US-23 Reconstruction
- (Geospatial Utility Infrastructure Data Exchange)

Signing / Pavement Marking

- **Little Eden Camp:** Little Eden Camp Project
- **Park Township:** Ottawa Beach Road Pedestrian Safety Improvements, RRFB Pedestrian Crossing
- **Zeeland Charter Township:** MDOT Rest Area Emergency Entrance

Safety Applications

- **City of Hart:** SAW Grant
- **City of Allegan:** SR2S Grant
- **City of Harrison:** Harrison Nature Trail
- **City of Kalamazoo:** 2018 DWRF Water System Improvements
- **City of Kentwood:** 32nd Street Reconstruction
- **City of Mount Pleasant:** Brown Street Reconstruction
- **City of Muskegon:** Peck Street Reconstruction-Merrill to Laketon
- **City of Norton Shores:** Broadway Avenue Restoration
- **City of Rockford:** Pedestrian Safety Improvements
- **East Bay Charter Township:** SRTS
- **Laketown Township:** Blue Star Highway Non-Motorized Path

Gerald Morton
CADD Technician

Gerald has served as both CADD Technician and testing technician performing both design in the office and materials testing in the field. Gerald has used the FieldBook component of the FieldManager program, and is certified and experienced in MCA/ACI concrete Level 1 and MDOT density control. Gerald is responsible for technical aspects of design, plan and specification preparation on a variety of transportation/civil projects, streetscapes, trails and other enhancement grant projects.



Education

Technical Diploma, Civil Engineering

Sault College, 1999

Certifications & Training

ACI and MCA Concrete Field Testing Tech - Grade 1

Advanced GeoPak Training

Density Technology

MDOT Certified in Density Technology

Troxler Nuclear Density Testing Equipment Certified

Professional History

Prein&Newhof, 2013-Present, 22 years in Industry

Representative Projects

Roads & Streets

- **Clare CRC:** Chip Seal & Fog Seal Projects, Colonville Road, Keehn Road, Stockwell Road, Clare Avenue, Lake George Avenue Streetscape and Roadway Reconstruction, Harrison Avenue, Gladwin-Clarence, Clare Avenue / Surrey Road Intersection Reconstruction, Clare Avenue, Maple Grove Road, Clare Avenue, Rogers Avenue, Mannsiding Road, Arnold Lake Road, Ludington Drive/Surrey Road HMA Overlay, Farwell Small Urban Project
- **Emmet CRC:** Lake Shore Drive
- **Gladwin CRC:** Knox Road
- **Grand Traverse CRC:** South Airport Road
- **Ionia County Road Department:** Chip & Fog Seal Projects, Zahm Road Safety Project, Charlotte Highway Safety Project, Morrison Lake Road Safety Project
- **Isabella CRC:** Chip Seal Projects, Vernon Road, Summerton Road, Jordan Road, Mission Road, Winn Road-All 3 Phases, Whiteville Road, Drew Road, Deerfield Road, Rosebush Road, Coleman Road, Weidman Road, Winn Road Paving, Blanchard Road Paving, Broadway Road, Enterprise Drive, Venture Way, & Parkway Drive, Leaton Road, Walton Road, Broomfield Road, Loomis Road Design, Pere Marquette Road Design
- **Manistee CRC:** Kott & Siuda Roads
- **Mason CRC:** Hansen Road
- **Missaukee CRC:** As-Needed Engineering, CPM Projects, Stoney Corners Road, South Morey Road, Lucas Road Paving, 8 Mile Road, Burkett Road, Finkle Road-Call Road to Mc Gee Road, Jennings Road Improvements
- **Kalkaska CRC:** Shippy Road Reconstruction, Innis Road, Ingersoll Road, Boardman Supply Road, Aarwood Trail, Boardman Road, Supply Road, Rapid City Road, Spencer Road, Safety Project Applications, County Road 621 Log Project, Starvation Lake Road, Manistee Lake Road- East of 571, Plum Valley Road & Twin Lake Road
- **Muskegon CRC:** Ellis Road Resurfacing, Maple Island to Ravenna Road
- **Oceana CRC:** Safety Project Signing Upgrades, Monroe Road (All 4 Phases), 192nd Avenue Safety Project, Lakeview Road Design, Oceana Drive, Act 51 Mileage Certification Assistance
- **Otsego CRC:** Old 27 North
- **Roscommon CRC:** Long Point Drive, Safety Signing Upgrades, County Road 100
- **Wexford CRC:** North 47 Road, 13 Road, 13th Street, North 47 Road, Mackinaw Trail, Old M-42, Ultra Thin, Chittenden Nursery Road/M-55 Upgrades

- **Lake CRC:** As-Needed Services, Chip Seal Projects, Old 63 Safety Project, 3rd & Beech Construction Engineering, 56th Street -from the West County Line to East of South Branch Road, 76th Street, 8 Mile to Brooks Road-Safety Project, Astor Road & 32nd Street Intersection Improvements, Baldwin Road Crush & Shape, Beech Street & 3rd Street, Evergreen & 8th Street/James Road-Safety Project, FY 2019 HSIP Project, Gleason's Landing FLAP Grant, Hawkins Road Overlay, Old M-63 Bridge, Safety Applications, Storm Event-South Branch Road, S Branch Road Repair, Star Lake Road, Bass Lake Road and 11 Mile Road, Gravel Testing, Pavement Marking, Pavement Marking and Sign Upgrading, James Road, Brooks Road
- **City of Cadillac:** Cobb and Division Streets Reconstruction, Ford Street, Smith Street, Wheeler Street, Garfield Street, Blodgett Street, Marble Street, South Street, Holly Road, Wren Place, Vine Street, Heather Place, Cass Street Redesign, Chestnut Street, Evart Street, Leeson Street Reconstruction, Potvin Industrial Park Streets/Site Readiness Grant, Roundabout @ Division & Crosby, Shelby Street-Cass Street to Chapin Street & Sidewalks, Simons Street, Stimson Street, Colfax Street, Mason & Bremer Construction, The Shay
- **City of Hastings:** E. Woodlawn Avenue
- **City of Kentwood:** 32nd Street Reconstruction
- **City of Midland:** Swede Avenue Reconstruction
- **City of Mount Pleasant:** Broadway Street, Brown Street Reconstruction (2 Phases)
- **City of Walker:** Remembrance Road & Kinney Avenue Intersection, Walker Avenue Corridor Improvements

Bridges

- **Arenac CRC:** Arenac State Road Bridge over Pine River
- **Barry CRC and CRA:** Finkbeiner Road and Thornapple River Bridge
- **Clare CRC:** Vandecar Road/Mill Creek Pond Dam, Pine Road Bridge Rehabilitation Project

  Isabella CRC: Beal City Road over North Branch Chippewa River, Leaton Road over Lewis Drain and Spring Creek, Loomis Road Bridge, Woodruff Road Bridge
- **Lake CRC:** Old M-63 over Little Manistee River, 40th Street - Sanborn Creek Crossings, 7 Mile Road Bridges, Blood Creek Crossings, Utter Road Crossing
- **Missaukee CRC:** Brinks Road Bridge over Clam River, McVety Road over Butterfield Creek, Brinks Road over Clam River, Vandermeulen Road over Clam River, Star City Road over Muskegon River

As-Needed Engineering Services

- City of Cadillac, Clare CRC, Isabella CRC, Kalkaska CRC, Missaukee CRC, Oceana CRC, Roscommon CRC, Ionia County Road Department, Lake CRC, Lake Township, Wexford CRC

MDOT Projects

- M-44 Connector, City of Grand Rapids, Kent County
- US-127 Cape Seal Full CE, Gaylord TSC
- Pere Marquette State Trail
- US-23 Harrisville Reconstruction – Alpena TSC
- US-10 East of Lake Station Avenue, Clare Co.
- Muskegon TSC: As Needed Design Services for CPM Projects & Scoping: Lake, Mason, Muskegon, Newaygo, Oceana, Osceola, and Ottawa Counties
- US-131 Road Scoping - Coon Hollow to Schoolcraft
- US-131, Osceola and Mecosta Counties
- Old US-131, Wexford County
- US-10, Old State, Harrison and Grant Roads, Clare County
- M-222 Slope Stabilization Full Construction Engineering, Allegan
- M-66 Concrete Reconstruction, Ionia
- M-121 (Chicago Drive), Hudsonville, Zeeland, Jamestown & Georgetown Townships., Ottawa County
- M-11 (28th St.) Concrete Reconstruction, City of Wyoming, Kent County

Ted Thomson
CADD Technician, Construction Observer

Ted is a highly skilled CADD technician and construction observer with a proven track record of success in Michigan county road commission projects. With a keen eye for detail and a thorough understanding of construction processes and techniques, Ted has demonstrated his ability to effectively monitor and document construction activities, ensuring that projects are completed to the highest standards. In addition to his technical skills, Ted is known for his strong communication and collaboration abilities, making him an invaluable member of any project team. With a commitment to quality and safety, and a passion for delivering the best possible results, Ted is confident in his ability to make a positive impact on any project. Ted is very experienced with using FieldBook/FieldManager Software and ProjectWise.

Representative Projects

- **Lake CRC:** Act 325 Asset Management Plans, As-Needed Services, Wolf Lake Dam, Old M-63 Ercole to Syer, Old M-63 Improvements, Central Park Boulevard Safety Project
- **Ionia County Road Department:** As-Needed Services, Potters Road Design & CE, Clarksville Road Design & CE, Keefer Highway Design & CE, Nash Highway Storm Repair & CE, David Highway Storm Repair & CE, Zahm Road Safety Project, Charlotte Highway Safety Project, Morrison Lake Road Safety Project, Johnson Road
- **Isabella CRC:** Lincoln Road, Countywide Chip Seals, Broomfield Road, Pere Marquette Road Design, Loomis Road Design
- **City of Cadillac:** As-Needed Services, Lester Street, Cadillac Trailhead, Simons Street, Pickle Ball Courts, Division Street
- **City of Hastings:** Michigan Avenue, Woodlawn Avenue
- **City of Midland:** Swede Avenue Reconstruction
- **City of Traverse City:** West Boardman Lake Trail Final Design and Construction Engineering
- **Emmet CRC:** Lake Shore Drive
- **Mason CRC:** Fisher Road Bridge
- **MDOT:** As-Needed LAP & Warranty Oversight, M-44 Connector-City of Grand Rapids
- **Missaukee CRC:** Lakeview Drive Drainage Study, 8 Mile Road, As-Needed Services



Education

B.S. Hydrogelogy, Western Michigan University, 1993

Certifications & Training

Certified in the use of Troxler Nuclear Density Testing Equipment, Michigan Certified Aggregate Technician Level 1

MCA Concrete Field Testing Technician Level 1, ACI Concrete Field Testing Technician – Level 1, Computerized Office Technician, Hazmat, Fieldbook/FieldManager Software & ProjectWise

Professional History

Prein&Newhof, 2022-Present

16 at Eaton CRC / 12 at Wilcox / 1 year at ESI

As-Needed Engineering Services

- City of Cadillac, Ionia County Road Department, Lake CRC, Missaukee CRC, Mason CRC

While at Eaton CRC:

- Michigan Avenue, Act 325 Asset Management Plans, Old Lansing Road
- Battle Creek Highway, Mt. Hope Highway over Sebewa Creek, Whittum Road over the Grand River, Ionia Road over Thornapple River, Snow Road at Michigan Avenue and St. Joe Highway

Chris Cruickshank, PE
Geotechnical & Environmental Engineer

Chris serves as Prein&Newhof's Corporate Secretary and Technical Services Team Leader specializing in three areas of practice:

Geotechnical: Chris's geotechnical and construction materials experience includes airports, high-rise buildings, regional shopping centers, transmission towers, retaining walls, dams, bridges, roadways, sewage treatment facilities, water storage tanks, and utility installations involving both open cuts and tunnels.

Environmental: Chris's experience includes environmental assessment of properties (Phase I & II ESAs and BEAs) for real estate transactions, as well as remediation of underground storage tank sites, oil wells, automobile salvage yards, and other contaminated sites. He also prepares SPCC and SWPP plans for industrial sites.

Structural: Chris's structural expertise includes rehabilitation designs for concrete sewers, wastewater tanks, and dams. He also performs safety inspections, prepares emergency action plans, and provides forensic engineering for dams.

Representative Projects

Roads, Streets & Bridges

- **Cascade Hills Condo Association:** Cascade Hills Condo, Road Reconstruction
- **City of Walker:** Lake Michigan Drive Tunnel-as Part of Fred Meijer Standale Trail, Leonard Street, Remembrance Drive, Kenny Avenue, Turner, Avenue, West River Drive
- **Kalamazoo Public Schools:** KPS Transportation Facility - Ravine Road
- **Ionia CRD:** David Highway Storm Repair, Nash Highway Storm Repair, Bell Road over Duck Creek, Borden Road over Prairie Creek
- **Trout Unlimited:** Pin Creek Road over Claybank Creek and Morton Road over Gurney & Cooper Creek



Education

Master of Science, Civil Engineering
University of Detroit, 1991

Bachelor of Science, Civil Engineering
Michigan Technological University, 1984

Registrations

Engineering Indiana, 2010
Engineering Michigan, 1990
Engineering Nevada, 2020

Certifications & Training

40-Hour HAZWOPER Training
ASFE Loss Prevention
ASTM Risk-Based Corrective Action
Confined Space Training
Design & Construction Using Geosynthetics
Fundamentals of Deep Foundation Design
Structural Condition Assessment of Existing Structures

Professional Activities

American Society of Civil Engineers-Michigan Section
Michigan Society of Professional Engineers
National Society of Professional Engineers

Professional History

Prein&Newhof, 2006-Present
40 years in Industry

Geotechnical Engineering

- Kalamazoo Community Mental Health Services Building, Kalamazoo, MI
- **Kalamazoo Valley Community College:** Food Innovation Center, Culinary Institute/Applied Science Building and Cell Phone Tower Ghafari Associates LG Chem Facility Expansion Holland, MI
- **Bronson Properties Corporation:** Bronson Battle Creek Family Health Center, Proposed Surgery Center, Corporate Office Building, Kalamazoo, MI
- **Pennock Health Services:** Medical Office Building
- **Mueller Industries:** Kalamazoo Plant Expansion
- **Tower Pinkster:** Jenison Schools, Kentwood Schools, Lowell Schools, Freemont Schools, Northwood University, MSU, U of M, Muskegon Community College, Plainwell Library, Midland Armory, Parnell Correctional Facility, MVAA Veterans Homes Grand Rapids and Mount Clemons, MI
- **Granger Energy:** Exhaust Stack Renovations Coopersville and Lansing, MI
- **Pine Rest Christian Mental Health Services:** Van Andel C Pod Sinkhole Investigation
- **Charlies Crab Restaurant:** Sinkhole Investigation
- **Consumers Energy:** Consumers Energy Fletcher Substation Harbor Spring, Consumers MSU 138kv Ug Line - Geotech Investigation, Ludington Pumped Storage Plant, Interior Ramp Replacement-CQA Services

Environmental Consulting

- **Bronson Healthcare Group:** Ph I ESA 401 S Burdick St Kalamazoo Mi, Phase I ESA – South Campus Parcels
- **Bronson Properties Corporation:** Phase I ESA for 15 sites in Battle Creek
- **City of Stanton:** PFAS Environmental Investigation - Landfill Facility
- **CCM Properties, LLC:** Environmental Consulting Former Fox River Paper Mill, 300 W Highway St Vicksburg
- **Erhardt Construction:** Hydrolake Pole Plant Building Reconstruction
- **Kalamazoo Community Mental Health Services:** Phase I ESA - 209 E Stockbridge
- **Kalamazoo Valley Community College:** Food Innovation Center O&M Plan
- **NAI Wisinski of West Michigan:** Phase I ESA/BEA 635 Richmond NW, Walker, MI
- **Viking Energy of McBain:** Update of SPCC & PIPP Plan
- **CSM Group:** KVCC HFC - Overall Site Testing, Inspection & Staking, Walnut Street Parking Lot Testing
- **Northern Properties:** Soil Investigation at Northern Estates & Woodland Mobile Home Parks, Soil Testing at Northern Estates Mobile Home Park, Soil Testing at Northland Estates

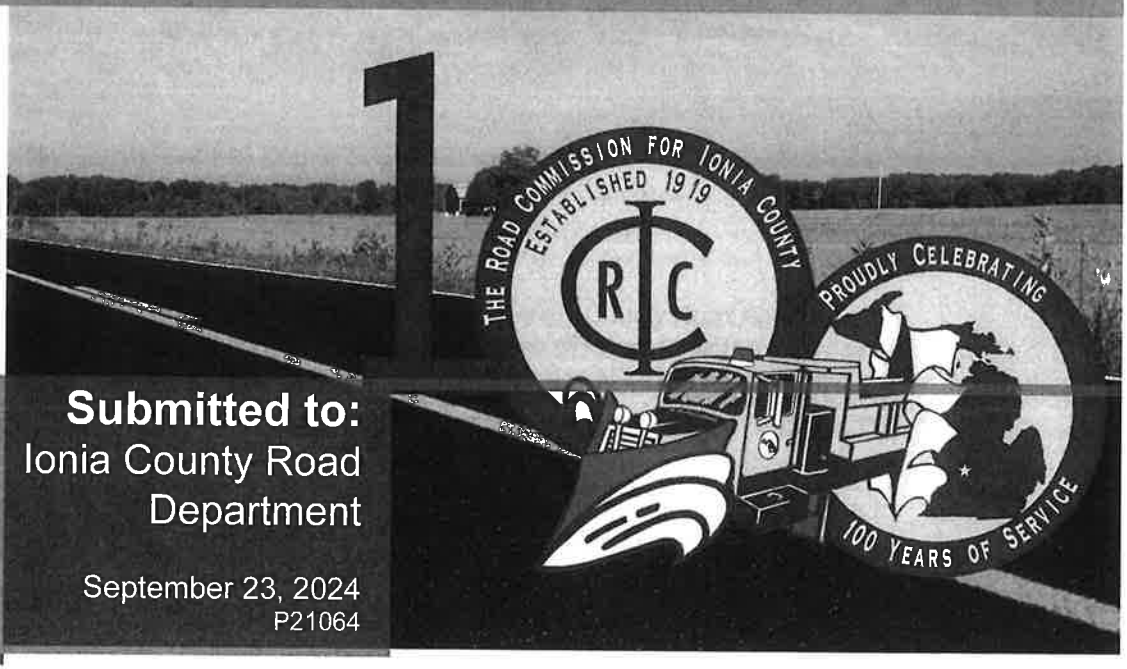
Structural Engineering

- **American Legion Boat & Canoe Club:** American Legion Structural Condition Survey
- **Beene Garter, LLP:** Geotechnical Consulting & Building Condition Survey
- **Blandford Nature Center:** Slope Stabilization Retaining Wall
- **City of Walker:** Walker Avenue Bridge Removal
- **Dickinson Wright PLLC:** Engineering Consulting on Water Damage to the Plaza Tower
- **Robert & Sandy Navis:** Slope Evaluation & Structural Consultation

Indemnification: *Contractor agrees to hold harmless and indemnify the County Of Ionia, its board members, the Ionia County Road Department, officers, agents and employees from any and all claims, suits and judgments to which the County Of Ionia, its board members, the Ionia County Road Department, officers, agents or employees may be subject and for all costs and actual attorney fees which may be incurred arising out of any injury to persons or damage to property, including property of the County of Ionia, its board members or the Ionia County Road Department, whether due to negligence of the contractor or the joint negligence of the contractor, the County of Ionia, its board members and the Ionia County Road Department, arising out of the work specified in this proposal, or in connection with work not authorized in this proposal, or resulting from failure to comply with the terms of this proposal. Contractor will not be obligated to indemnify the County of Ionia, its board members or the Ionia County Road Department for any injury or property damage arising out of the sole negligence of the County of Ionia, its board members or the Ionia County Road Department, its Board members, officers, agents or employees.*

Authorized Signature	Date 9/12/24
Jason M. Washler, P.E. / Vice President Print Name / Title	616-364-8491 Phone Number
Prein&Newhof Company Name	616-364-6955 Fax Number
3355 Evergreen Drive NE Address	616-822-6790 Cell Phone Number
Grand Rapids, MI 49525 City, State, ZIP	jwashler@preinnewhof.com Email address

AS NEEDED INDEPENDENT CONTRACTOR ENGINEERING SERVICES



Submitted to:
Ionia County Road Department

September 23, 2024
P21064

FLEIS&VANDENBRINK
DESIGN. BUILD. OPERATE.

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FLEIS&VANDENBRINK

DESIGN. BUILD. OPERATE.

September 23, 2024

Linda Pigue, Managing Director
Ionia County Road Department
170 E. Riverside Drive
Ionia, Michigan 48846

RE: As Needed Independent Contractor Engineering Services

Dear Ms. Pigue,

Maintaining a county road network can be an engineering challenge for many County Road Agencies. With the Ionia County Road Department (ICRD) being responsible for 389 miles of Primary roads, 684 miles of Local roads, 67 bridges, as well as performing maintenance on 320 lane miles of MDOT roads having a team available to assist can be invaluable. Fleis & VandenBrink (F&V) is ready and eager to work with and support the ICRD in meeting those challenges.

Our full-service firm's submittal of qualifications and experience to provide Engineer of Record services to the ICRD shows that F&V is capable and well-suited to assist you. For example, each year F&V works with numerous State and Local Agencies providing design, construction engineering, construction oversight and contract administration services for over 100 miles of roadway improvements.

F&V meets or exceeds the qualifications the ICRD is looking for:

MDOT Prequalification
F&V has more than 30 MDOT prequalification's, including Design – Roadway and Design – Roadway Intermediate, and we have completed numerous MDOT Local Agency Program (LAP) projects ranging from very complex roadway, bridge, and enhancement projects to less complicated resurfacing and log-type projects. We understand the process necessary to satisfy the LAP standards and provide clients their desired results in a successfully completed on-time and on-budget project. We are also under contract with the MDOT as a Consultant Reviewer for project plan and proposal submittals from agencies statewide.

Federal Aid Project Requirements
F&V's experience in Federal Aid project design and delivery is extensive. This also includes the Transportation Alternatives Program (TAP) that funds projects such as nonmotorized paths, streetscapes, and historic preservation of transportation facilities. Our knowledge can aid in your project's implementation of the TE/TAP program in areas such as SHPO requirements, AASHTO guidelines for Bicycle facilities and LAP program criteria.

Office Tech Certification
F&V has several experienced MDOT office technicians dedicated to MDOT LAP services. Their work includes establishing and maintaining project files in accordance with State and Federal standards, distribution of project related information to internal and external customers, compilation of project information, coordination and communication with internal and external customers and miscellaneous technical assistance as required.

2960 Lucerne Drive SE
Grand Rapids, MI 49546
P: 616.977.1000
F: 616.977.1005
www.fveng.com

Road Construction Layout
Our team uses a mixture of techniques and equipment to deliver projects accurately and timely – laying the foundation for a successful project. Layout services include staking out structures, curbs, buildings, roads and utilities, utilizing a control network with GPS machine control. We also use precision site monitoring of critical site features to check for movement or changes, when necessary.

Traffic Engineering & Asset Management
We routinely assist a variety of clients by providing traffic studies and Pavement Surface Evaluation and Rating (PASER) assessments. F&V has used PASER condition assessments with multiple agencies to assist them with their reporting requirements to TAMC as well as developing and maintaining the Capital Improvement Program. Our Traffic Group provides traffic impact studies and analysis for both private and public clients, traffic control warrant analysis, signal design and optimization, etc.

Grant Writing
F&V has assisted its clients in obtaining state and federal grants and loans to help stretch their local dollars. We have assisted clients in receiving over $1,000,000,000 in grants and low-interest loans and administering them. F&V is constantly reviewing funding alternatives and communicating updates to our clients via urgent e-mail alerts and phone calls.

Finally, Why F&V?
- We work with dozens of County Road Agencies, including Branch, Chippewa, Genesee, Kalamazoo, Lapeer, Mecosta, Newaygo, Oceana, Ottawa, Saginaw, St. Clair, Van Buren, and Wexford.
- Our construction projects average less than a 1% change between as-bid costs and final construction cost.
- We strive to provide low impact development (LID) and best management practices (BMPs) to limit post-development runoff rates and volumes and reduce the discharge of pollutants to the receiving water bodies.
- We are nearly 300 employees strong, with over 60 licensed Professional Engineers.
- Our traffic engineers complete over 1,000 traffic studies and analyses per year.
- Our team has a deep understanding of Road Agency day-to-day operations. Staff have experience as management, design and engineering at road agencies as well as the advantage of our sister companies who provide Construction and Operations services to clients across Michigan.

This proposal is good for 180 days from the due date of this RFP.

We look forward to working with the Ionia County Road Department. Please let us know if you have any questions via phone (616.401.8053) or email (lhummel@fveng.com)

Sincerely,

FLEIS & VANDENBRINK

Larry Hummel, PE
Regional Manager

Don DeVries, PE
Principal / Authorized Signer

F&V

Indemnification: *Contractor agrees to hold harmless and indemnify the County Of Ionia, its board members, the Ionia County Road Department, officers, agents and employees from any and all claims, suits and judgments to which the County Of Ionia, its board members, the Ionia County Road Department, officers, agents or employees may be subject and for all costs and actual attorney fees which may be incurred arising out of any injury to persons or damage to property, including property of the County of Ionia, its board members or the Ionia County Road Department, whether due to negligence of the contractor or the joint negligence of the contractor, the County of Ionia, its board members and the Ionia County Road Department, arising out of the work specified in this proposal, or in connection with work not authorized in this proposal, or resulting from failure to comply with the terms of this proposal. Contractor will not be obligated to indemnify the County of Ionia, its board members or the Ionia County Road Department for any injury or property damage arising out of the sole negligence of the County of Ionia, its board members or the Ionia County Road Department, its Board members, officers, agents or employees.*

Authorized Signature

9/19/24
Date

Don DeVries, PE, Principal
Print Name / Title

616.977.1000
Phone Number

Fleis & VandenBrink
Company Name

N/A
Fax Number

2960 Lucerne Drive SE
Address

616.893.7248
Cell Phone Number

Grand Rapids, MI 49546
City, State, ZIP

ddevries@fveng.com
Email address



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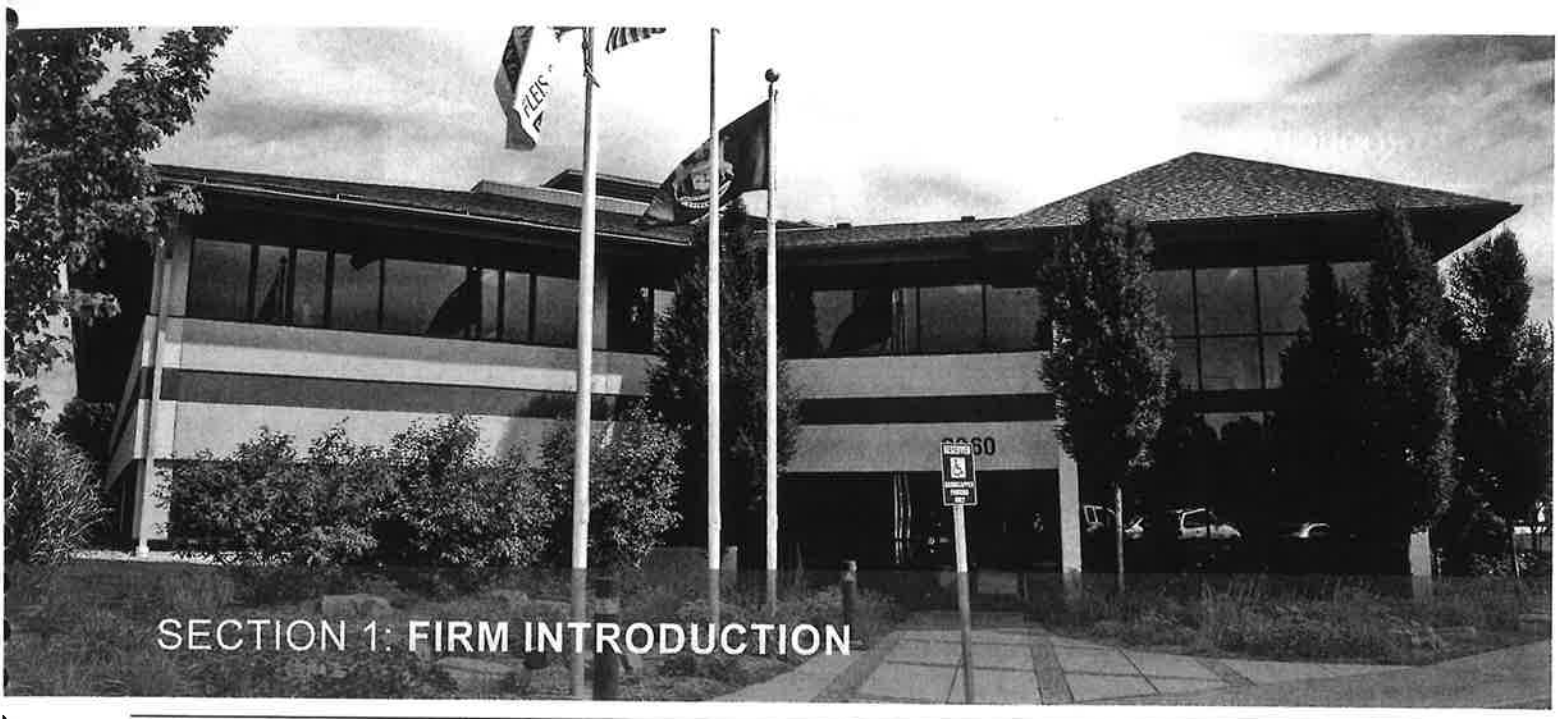
SECTION 2: STATEMENT OF UNDERSTANDING

SECTION 3: PROJECT TEAM

SECTION 4: EXPERIENCE

SECTION 5: RATE SCHEDULE

F&V



SECTION 1: FIRM INTRODUCTION

OVERVIEW

Fleis & VandenBrink (F&V) is an employee-owned, multi-disciplined civil engineering firm with nine offices serving Michigan and Indiana. Our team encompasses a broad range of services designed to provide our clients with a one-stop-shop consultant. Providing a wide range of services allows us to design custom-fit solutions and award-winning projects - on time and on budget. Our growth has been an outcome of hiring the best people, doing great work, and focusing on client relationships.

We believe great relationships are built over time through communication and an understanding of our client's needs. We work collaboratively to gain that understanding by uncovering potential issues and concerns prior to beginning work. Knowledge of those critical success factors gives us agreed upon expectations and allows us to work together towards successful projects.

We also understand the critical component funding has in turning a project vision into reality. Our team of funding experts actively pursues grants and low interest loan opportunities on behalf of our clients. We work diligently with state and federal organizations to find and obtain the best option for each project. Since our inception, we have obtained more than $1 billion in grants and low interest loans for our clients.

SERVICES

F&V has vast experience in the civil engineering field. We have provided additional details on our engineering experience on the following pages.

CIVIL ENGINEERING

F&V's professional staff can take your project through planning and budgeting, preliminary design, and mapping/platting to the final design stage. Whether roads, bridges, storm sewers, preventative maintenance or operations assistance, F&V is able to address your infrastructure needs.



Our approach to civil engineering is to shape and enhance your community based on your goals and needs while maximizing the use of public grant and loan money.

When your roadways and infrastructure are operating at maximum efficiency, it increases the quality of life and attraction to the place you call home. In addition to the normal project lifespan, we find and help apply for grants on your behalf so no need is unmet due to lack of funds. Your constituents demand efficiencies in expenditure of funds so a strong planning and asset management plan is a must to develop and maintain your capital improvement plan. Quality results provide a constituency with a renewed level of trust in the agency which translates into support of the county-wide road millage.

F&V

FIRM INTRODUCTION

CONSTRUCTION ENGINEERING

Our construction administration starts and ends with inspection and testing focused on safeguarding that the project is built to the plan and specifications. We work with each client to make sure the project receives the value and quality required of the agency and its constituents.



Our approach to construction engineering is to act as a community's representative in the field to assist with the delivery of a successful construction project.

We want the owner of the project to receive the value and quality needed out of final construction as well as long-term use. We have experienced, highly trained inspectors to see that your project is built to meet your goals and needs. Whether we're overseeing a roadway, bridge, utility, or park project, you can have confidence knowing your project is getting the proper oversight with us.

SURVEYING

F&V provides GIS and land surveying services to answer the 'what' and 'where' of your project by bringing together the power of data and location, whether it's a infrastructure and utility improvement or a site development project. We gather information using a mixture of surveying techniques and equipment to deliver data in the required format accurately and timely - laying the foundation for a successful project.

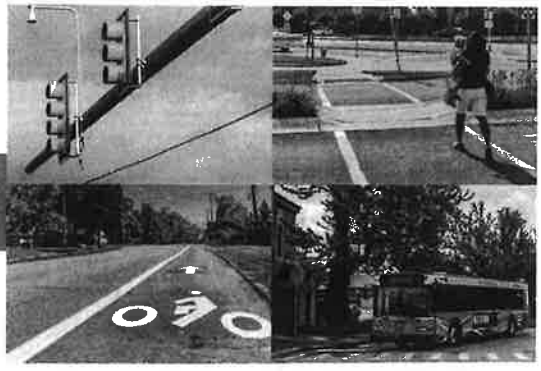


Our approach to land surveying and GIS is to first and foremost understand your immediate and long-term goals and needs.

We look at projects from today's 'immediate' perspective as well as tomorrow's 'what's next.' By taking the time to understand your project in a more comprehensive manner, we can combine 'future-needs' into the 'now,' which typically realizes overall project savings.

TRAFFIC ENGINEERING

F&V's traffic engineering department employs transportation engineers that know what it takes to ease traffic and maintain a steady flow of movement for optimum operational functionality.



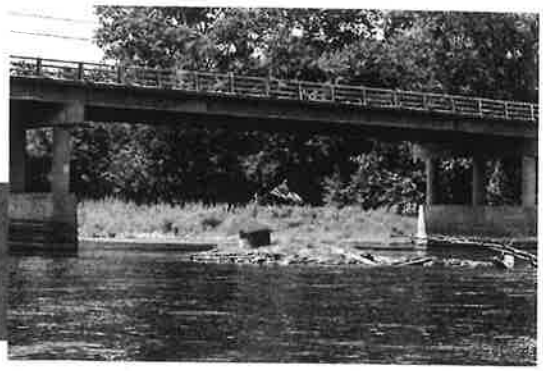
Our approach to traffic engineering is to understand you, your goals, and the uses of your roadway, including its types of users and amount of traffic using the roadway.

We can work with you from initial concept through construction to provide safe and efficient movement on your roadways that fit your needs. Whether your project is designing a roundabout or road dieting, our transportation engineers have the experience and knowledge of traffic patterns and habits to get your roads smoothly – and safely – flowing.

FIRM INTRODUCTION

BRIDGES / CULVERTS / STRUCTURAL ENGINEERING

A structural engineer is needed to see that a structure has been designed to perform its intended purposes safely and in accordance with applicable codes and design guides, while focusing on cost-efficient delivery and long life improvements.



Our experience allows us to support our clients' needs from the early project stages (evaluations/assessments, completing studies, etc.) through construction (providing construction engineering support to address unexpected challenges/changes in the field).

Whether it's a building or a bridge, our experts will help support and link your community to be structurally sound. A structural engineer can help guide their client through various potential options by outlining their various benefits and risks, including cost, long-term durability/performance, potential shortcomings/limitations, construction technique recommendations, and schedule.

UNDERWATER DIVE INSPECTIONS

F&V's dive team answers the unknown of what cannot be seen below the surface of the water. We're experts at gathering and documenting the structural integrity of bridges and a variety of other underwater structures, as well as conducting surveys and relocations of endangered species beneath the surface.



Safety is our dive team's number one priority. All divers have advanced diver training as well as CPR, AED, First Aid, Confined Space, and Emergency Oxygen Administration. All of our divers undergo an annual medical physical examination.

Our dive team is highly trained and experienced. Our dive team consists of professional engineers and National Highway Institute (NHI) Qualified Team Leaders (QTL). Our divers are also certified members of the Association of Diving Contractors International (ADCI), Association of Diving Contractors Educators (ADCE), and Professional Association of Diving Instructors (PADI).

MDOT PREQUALIFICATIONS

F&V is prequalified with MDOT in over 30+ classifications, including:

Design:
- Bridges: Safety Inspection
- Hydraulics I
- Hydraulics II
- Landscape Architecture
- Roadway
- Roadway: Intermediate
- Traffic: Capacity and Geometrics Analysis
- Traffic: Pavement Markings
- Traffic: Safety Studies
- Traffic: Signal
- Traffic: Signal Operations
- Traffic: Signal Operations – Complex
- Traffic: Work Zone Maintenance of Traffic
- Traffic: Work Zone Mobility and Safety
- Utilities: Municipal

Construction Engineering:
- Assistance
- Bridges and Ancillary Structures
- Roadway
- Roadway – Local Agency Program

Construction Inspection:
- Bridges and Ancillary Structures
- HMA Pavement
- Roadway
- Traffic and Safety

Construction Services:
- Office Technician

Construction Testing:
- Concrete
- Density

Environmental:
- Contamination

Surveying:
- Construction Staking
- Hydraulics
- Right of Way
- Road Design
- Structure

**Blue denotes qualifications requested by the ICRD in the RFP.*

F&V

SECTION 2: **STATEMENT OF UNDERSTANDING**

We understand the Ionia County Road Department (ICRD) is seeking a multi-disciplined engineering firm to assist in the design and construction of various projects within the County. The role of the selected firm will be to provide professional services on an as-needed basis. The ICRD has noted that likely projects will include roadway, traffic, bridge design, and construction management. The ideal firm will have a broad range of expertise and be capable of designing and managing projects within these disciplines. ICRD projects may be self-funded or may include projects that will be done in conjunction with The Michigan Department of Transportation (MDOT). As such, the ideal firm will also have a strong understanding of the various grant and funding opportunities available for public works projects.

Our team of experienced professional engineers, resident project representatives (RPRs), and construction inspectors is fully prepared to support the ICRD on a day-to-day basis. For this on-call project, we understand that assignments are unknown and we will need to use all of our diverse resources to provide the appropriate team for each project assignment. Larry Hummel will be the main point of contact for the ICRD. As each project assignment comes in, Larry will work with the ICRD to develop a team of F&V staff with the right blend of expertise to meet the needs of the ICRD. If, for any reason, there is a task that F&V cannot handle with our in-house staff we will reach out to one of our many partners in the industry to assist in the work. We have long-standing partnerships with other firms to assist with geotechnical and wetland delineation needs when required on individual projects.

WHY F&V?

F&V is eager to understand the community's big picture needs. Our project team will meet with the ICRD right at the start of our contract to get a clear picture of the needs of the County and how we can use our expertise to achieve the goals of the ICRD. By understanding the synergy of how multiple projects can benefit each other, F&V can work with the ICRD to build projects that flow from one to the next in a cohesive manner. F&V prides itself on its responsiveness to client needs and taking the lead on project planning, funding applications, etc. when necessary.

At F&V, we strive to become a part of our client's community by taking a vested interest in improving the environment while protecting the health, safety, and welfare of the community.

F&V'S APPROACH TO SUCCESS

OUR GOAL: TO SERVE AS AN EXTENSION OF YOUR STAFF

The biggest benefit of selecting F&V as your engineer is the access to our broad depth of resources. We understand that being an on-call provider means being there when you need us. F&V's approach to each project assignment will be to evaluate the scope of the project and assign specialized staff that can overcome the associated challenges of each project. We understand that there are no one-size-fits-all solutions. Understanding the goals and objectives of the ICRD and each individual project is the key to delivering a successful project. As previously noted, our team is skilled not only in engineering but maintenance and operations as well.

PLANNING OUT THE WORK

Clarity and communication up front during scope and fee development minimizes problems later on. A project is best positioned for success if the ICRD and F&V's project manager take time to clearly understand, articulate, and then agree upon the scope of services required to fully address the project needs from the start. Getting a clear agreement on schedule, cost, and budget upfront creates the road-map for success.

COMMUNICATION STRATEGY

Our team understands the importance of clear, timely, and consistent communication to keep the Department, and other stakeholders informed throughout the project. Our staff commits to make themselves available whenever the ICRD has a question or concern.

Some of the key items in our communication plan include:

- Conduct progress meetings – Progress meetings are an important part of every project. F&V will work with the ICRD to determine the frequency of these meetings based on the individual needs of each project. The meetings will serve to document the progress of the project and resolve any ongoing issues. These meetings are the perfect place to exchange ideas and raise any concerns so that the project progresses on schedule and budget. By keeping all accountable parties informed on a regular basis, we will try to minimize the negative impacts to schedule and budget.

- Provide a single point of contact for effective communication – Regardless of what staff get assigned to any project, Larry Hummel will be your main point of contact and will lead the overall team effort. If any concerns should arise Larry is eager to work with the ICRD to find solutions and provide answers.

Larry's experience as the Managing Director and County Engineer at Van Buren County as well as his history of serving multiple other road agencies with their maintenance and construction projects provides a unique perspective that most other firms simply don't have.

- Assisting in public outreach – Our professional staff has the experience to know what to expect in terms of community involvement on a project. Our PM's don't just focus on technical skills. They also receive training in interpersonal relations and public speaking. They are ready and able to serve as your liaisons and provide public relations support whenever it may be required. Presentations to the County Board, Township Boards, City or Village Councils are a part of each Project Managers typical functions and a critical part of our belief in frequent communications with stakeholders.

VALUE ENGINEERING

Our design engineers are always on the lookout for ways to cut projects costs wherever possible. We will identify these opportunities whenever we can and will provide engineering design recommendations to the ICRD on how each change may affect both the budget and the schedule. We do not just look for items that have a direct cost savings but also items that may save time, both in design and construction. A reduction in construction schedule can often be as important as a reduced cost.

GRANT SUPPORT

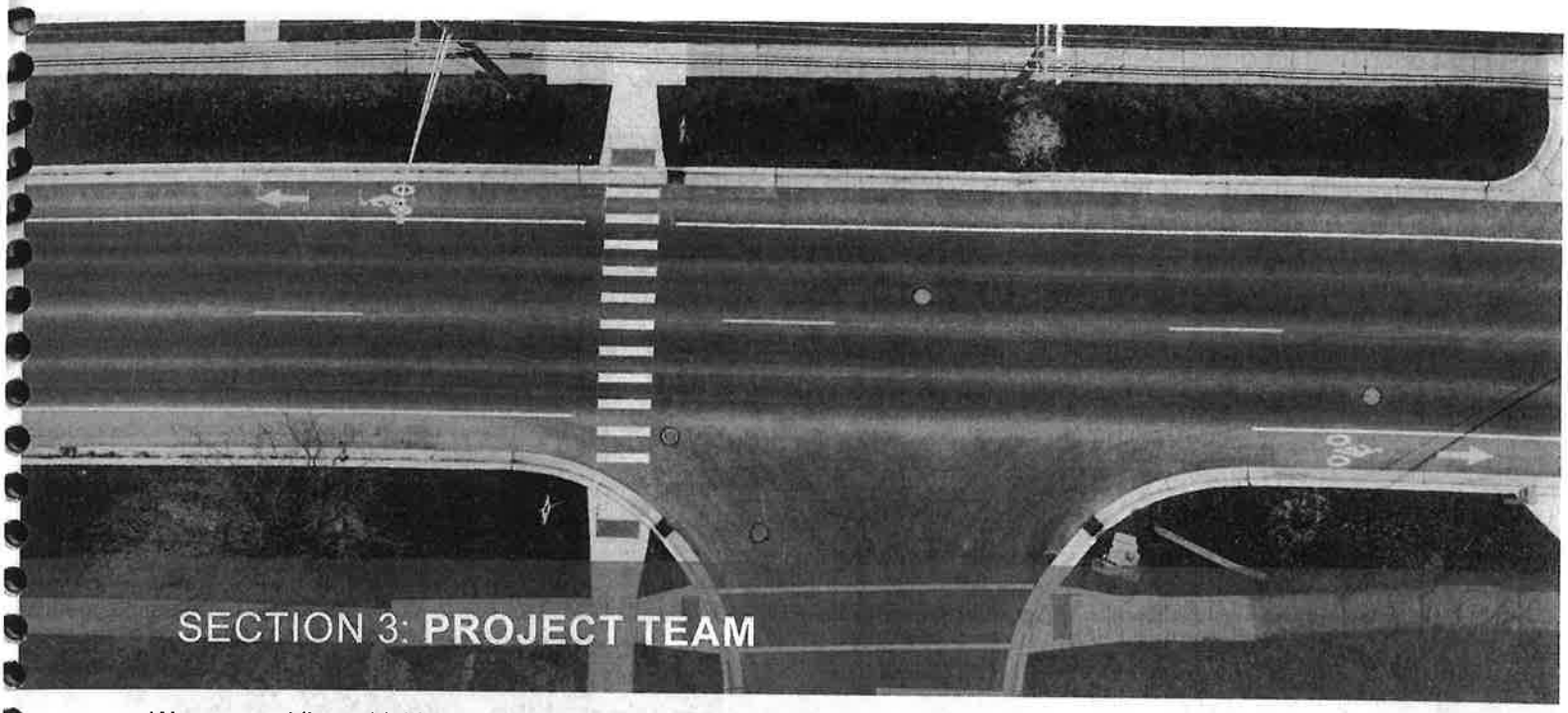
Funding can make or break a project for many communities. We are skilled in securing low-interest loan and grant funding for our clients. We will be your advocate, helping you find and apply for funding assistance that will provide the greatest benefit to your projects. Our staff maintains relationships with several funding agencies and stays abreast of the latest State and Federal programs that offer significant funding, because every project is important to your community - and to us.

Some highlights of our successes include:

- **$1 billion in grants and loans over our firm's history**
- $66 million in EGLE Stormwater, Asset Management and Wastewater (SAW)
- $363 million in CWSRF/DWSRF funding in FY2023 and FY2024, with $236 million in million in grant/principal forgiveness

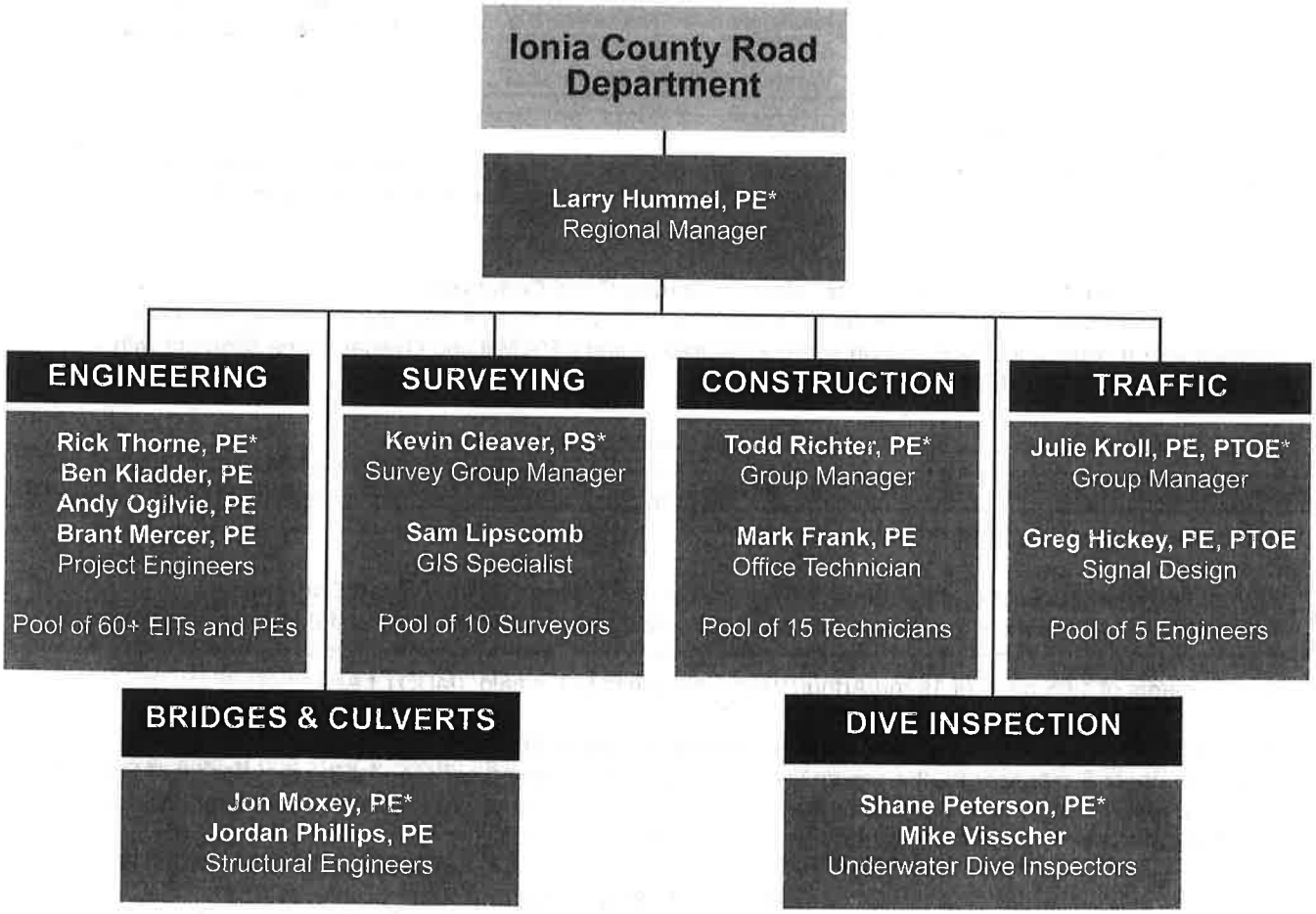
We have successfully assisted clients with MDOT TED Category A, B and F grant funded projects as well as MDOT Safety funded projects, and many more sources relevant to a County Road Department such as yours.

We have completed 130+ USDA Projects with 80% getting grant funds, 80+ SRF Projects and/or plans with many receiving Principal Forgiveness, Infrastructure Capacity Grants (ICE) funding under MEDC with many that included funding of wastewater improvements, and EDA projects.



SECTION 3: PROJECT TEAM

We are providing a highly experienced team in the survey, design, and construction engineering of roadway, bridges, and utility projects, ranging from simple improvements to complex rehabilitation. All of our team members have worked with County Road Departments and Commissions and MDOT and are incredibly familiar with their standards, guidelines, and expectations.



Resumes of key personnel (*) are provided on the following pages. Additional resumes can be provided upon request.

F&V

PROFESSIONAL BIO

Larry has over 30 years of experience in the county and state transportation realm. He has deep industry knowledge with experience guiding a highly competent workforce in day-to-day operations, project development utilizing federal, state, and local funding sources, and community engagement with county, township, municipal officials, and the public. He served as the Engineer-Manager for the Van Buren County Road Commission, Chair of Rural Task Force #4, Chair of the SW Regional Bridge Council, is the former MDOT Grand Region Bridge Engineer and has been a certified bridge inspector since 1994.

He also served on the Governors' Traffic Safety Commission representing local agencies across the State of Michigan. He served as the Chair of the Structures & Environment Committee for the National Association of County Engineers and served on the American Public Works Association (APWA) Transportation Committee. He currently serves as the Region V Director on the APWA National Board of Directors.



LARRY HUMMEL, PE

Regional Manager

lhummel@fveng.com
616.401.8053

BS: Civil Engineering,
Michigan Technical University
MA: Public Administration,
Western Michigan University

Professional Engineer
Michigan (No. 6201045736)

FEATURED EXPERIENCE

Maple Road/Wildwood Road/Stringtown Road Improvements - Branch County Road Commission
Project engineer and manager for the design and construction engineering and administration of the 8.25-mile HMA Overlay project. (MDOT LAP)

N. Marshall Road Safety Improvements - Branch County Road Commission
Project engineer and manager for the design services for the N. Marshall Road safety improvement project. Superelevation corrections, high friction surface installation and HMA Mill and Overlay of the segment with upgrades to all signage. (MDOT LAP)

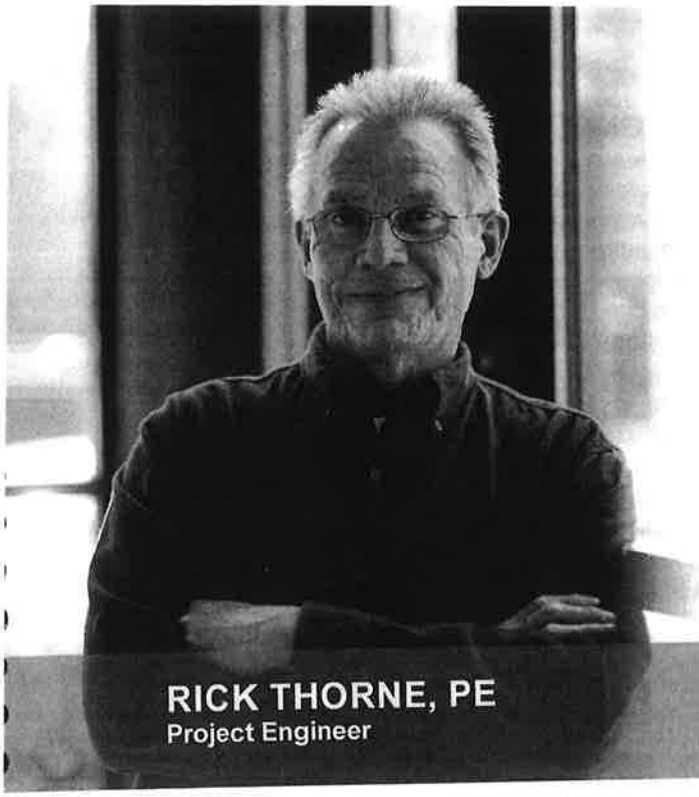
192nd Avenue Crush and Shape Project - Oceana County Road Commission
Project engineer & manager for the design and construction engineering services for the HMA base crushing and shaping and repaving of 2.50 miles of 192nd Avenue from McKinley to White with superelevation corrections and drainage improvements. (MDOT LAP)

192nd/194th Avenue Improvements over Brayton Creek - Oceana County Road Commission
Project engineer & manager for the design and construction engineering services for the HMA base crushing and shaping and repaving, vertical and horizontal curve corrections, bridge rehabilitation and associated drainage improvements of 1.65 miles of 192nd/Arthur/194th from White to Garfield. (MDOT LAP)

Oceana Drive Reconstruction - Oceana County Road Commission
Project engineer & manager for the design and construction engineering services for the resurfacing of Oceana Drive in Oceana County. The project includes milling and replacement of HMA widened shoulders, HMA overlay and associated approach and drainage improvements. (MDOT LAP)

Centerline and Shoulder Corrugation Safety Project - Branch County Road Commission
Project engineer & manager for the design and construction engineering for 23.30 miles of centerline and shoulder corrugations on various routes across the county. (MDOT LAP – Safety)

F&V



PROFESSIONAL BIO

Rick has over 15 years of experience as a project engineer in various civil projects including design and construction engineering of streets, sanitary sewer, storm sewer, water main, sidewalks and shared-use path systems. His experience includes construction inspection and testing services on numerous MDOT projects including freeway lighting construction, DMS replacement and improvements, roadway construction, moisture-density testing, and sewer and water improvements. Rick also has experience in design and inspection of MDOT region wide pavement markings, conducting mobility analysis, and reviewing construction work zones.

Rick is the primary staff member for the MDOT pequals Design - Roadway: Intermediate and Design - Utilities: Municipal.

RICK THORNE, PE

Project Engineer

rthorne@fveng.com
616.588.1923

BS: Civil Engineering,
Michigan State University

Professional Engineer
Michigan (No. 6201060595)

FEATURED EXPERIENCE

220th Avenue Corridor Design - Osceola County Road Commission

Design engineer for the design and construction engineering of corridor improvements to a 0.8 mile segment of 220th Avenue from US-10 south to W. Upton Avenue in Reed City. Work consists of: widening the road from an existing 2-lane to a 3-lane road with a center turn lane, reconstructed with curb & gutter, new sidewalk facilities will be added south of the Pere Marquette Trail and a new path / trail will be added from the Pere Marquette Trail north to the McDonald's restaurant and Wesco gas station for public access connectivity, and the corridor will also be improved with new streetscape amenities, such as new streetlights and trees to enhance the area and provide improved safety to both motorized and non-motorized users.

General Consultation - Oceana County Road Commission

Project engineer for multiple roadway improvement projects under the jurisdiction of Oceana County Road Commission. Projects include crush and shape, road reconstruction, road realignment for safety, and coordinating with bridge design staff.

MDOT Traffic Signals - Osceola and Wexford Counties

Technician for the as needed construction inspection and testing services on traffic signal moderation and sidewalk ADA ramp upgrades across Osceola and Wexford Counties. Inspection included: removal and replacement of 23 existing traffic signals; installation of concrete sidewalk and ADA-compliant ramps and 10 pedestrian crossing signals; installation of three wireless vehicle detection systems with 36 wireless sensor nodes; installation of one solar powered flashing beacon on an advance warning sign; and direction placement of placement markings.

220th Avenue Shared Use Path - Reed City/Osceola County Road Commission

Project engineer for 0.66 mile hot mix asphalt shared use path including trail alignment development, ADA compliant ramps, culverts, benches, and property acquisition/easements. Final project construction cost $1,000,000.

F&V



KEVIN CLEAVER, PS
Professional Surveyor

PROFESSIONAL BIO

Kevin has 40 years of surveying experience. His responsibilities include coordinating and delivering the necessary survey required tasks to our engineering staff and clients. Kevin's experience runs from very small survey needs of the local land owner to complex and complicated property court cases, control network public land survey remonumentation, right-of-way, and easement surveys.

He also assists in the position of senior crew leader and works on all phases of land development, municipal, industrial, and construction surveying projects. He has extensive experience in electronic data collection, layout procedures, and field applications of Global Positioning System (GPS) survey work. **Kevin holds our MDOT prequal in five of the Surveying categories.**

kcleaver@fveng.com
810.244.1731

BS: Land Surveying,
Ferris State University
AS: Surveying-Drafting, Mott Community College

Professional Surveyor
Michigan (No.4001029242)

FEATURED EXPERIENCE

Coldwater Road Rehabilitation - Genesee County Road Commission
Senior surveyor for the 1.6 miles of Coldwater Road rehabilitation. Work included changing the vertical location of sanitary sewer manhole and watermain valve manhole in order to be consistent with others throughout the Beecher Metropolitan District.

Irish Road Improvement - Genesee County Road Commission
Senior surveyor and crew leader to locate road right-of-way and establish state plane coordinates and provide topographic survey for one mile of road design.

Richfield Road Construction - Davison, Genesee County Road Commission
Surveyor responsible for the design survey including ROW for over one mile of road reconstruction. Tasks included research and retracement of the ROW, establishing control for construction and survey mapping of the project area including researching and locating utilities. Additional tasks included construction control and layout for the road, curbs, and limited utilities and walks. Project was honored with 2014 APAM/MDOT Asphalt Paving Award Winner: 'Award of Excellence.'

Farrand Road Bridge Re-Design - Genesee County Road Commission
Surveyor for the design engineering of a local agency bridge replacement project that included preparation of construction drawings for the road replacement work and performing existing and proposed FEMA regulated floodplain and bridge hydraulic modeling using HEC-RAS for the project and MDEQ permit bridge hydraulic report. MDEQ Part 31, 301 and 303 Permit #15-25-0010-P.

Linden Road Reconstruction - Genesee County Road Commission
Senior surveyor and crew leader to prepare a topographic survey and right-of-way map for a one mile long, five-lane MDOT Local Agency concrete road rehabilitation and reconstruction project consisting of roadway geometrics and intersection turn lane improvements

F&V

PROFESSIONAL BIO

Todd has over 20 years of experience in the design and construction of transportation projects. The majority of these consist of MDOT local agency projects.

His experience includes construction engineering and administration of state, municipal and private engineering projects. He has performed inspection and testing for quality control of concrete, asphalt and other construction materials and is familiar with the procedures and paperwork associated with local municipal and MDOT funded projects.

Todd is recognized as a Consultant Assistant for MDOT Local Agency Programs providing project delivery assistance for rural, and TAP (Enhancement and Safe Routes to Schools) projects. **He oversees our firm's MDOT prequalifications.**



TODD RICHTER, PE

Construction Engineering Group Manager | Senior Associate

trichter@fveng.com
616.942.3605

MS: Civil Engineering,
Michigan State University

Professional Engineer
Michigan (No. 6201044422)
Indiana (No. PE10910485)

FEATURED EXPERIENCE

220th Avenue Corridor Design - Osceola County Road Commission
QA/QC for the design and construction engineering of corridor improvements to a 0.8 mile segment of 220th Avenue from US-10 south to W. Upton Avenue in Reed City. Work consists of: widening the road from an existing 2-lane to a 3-lane road with a center turn lane, reconstructed with curb & gutter, new sidewalk facilities will be added south of the Pere Marquette Trail and a new path / trail will be added from the Pere Marquette Trail north to the McDonald's restaurant and Wesco gas station for public access connectivity, and the corridor will also be improved with new streetscape amenities, such as new streetlights and trees to enhance the area and provide improved safety to both motorized and non-motorized users.

Green Avenue Improvements - Newaygo County Road Commission
Project manager responsible for the design and construction engineering services on this 1.0 mile crushing and shaping project. Project included crushing and shaping the existing asphalt surface widening along each side for proposed shoulder, drainage improvements including cross culverts and ditch grading. Project was funded as an MDOT local agency project and was designed and constructed according to MDOT standards.

Cypress Avenue Intersection Reconstruction - Newaygo County Road Commission
Project manager for the design and construction of intersection improvements to Cypress Avenue at 22 Mile and 112th Street. MDOT safety funds were used on this project. The project was designed in accordance with MDOT 4R and AASHTO guidelines. The project included extensive changes in vertical and horizontal alignment to improve sight distance through a horizontal and vertical curve at the intersection. Project used super-elevated road cross section to meet required design speeds.

6 Mile Bridge over the White River - Newaygo County Road Commission
Bridge design checker and QA/QC for the design and replacement of a two span steel bridge including close coordination with the MDEQ floodplain and Huron-Manistee National Forest. The project was funded with MDOT Local Bridge Program funds.

F&V

PROFESSIONAL BIO

Julie has been involved in a wide variety of traffic and transportation engineering projects for almost 25 years, including all aspects of transportation planning, operations, and design. She has provided traffic and mobility analyses on hundreds of different federal, state, and local projects. Julie has expertise in freeways, municipal roadways, intersections, traffic engineering, design, and operations, and has been responsible for project development from planning level analyses to detailed maintaining traffic plans and provisions.

Julie holds our MDOT prequal in eight of the Design - Traffic categories.



JULIE KROLL, PE, PTOE

Traffic Engineering, Group Manager | Associate

jkroll@fveng.com
248.536.1998

BS: Civil/Trans. Engineering, Michigan Technological University

Professional Engineer
Michigan (No. 6201057356)
PTOE (No. 3675)

FEATURED EXPERIENCE

Hill Road CMAQ Corridor Optimization - Genessee County Road Commission

Project Manager for the Hill Road corridor signal timing optimization study. The project included five (5) signalized intersections on Hill Road that are operated by the Genesee County Road Commission (GCRC). The corridor includes the signals between Fenton Road and Saginaw Road, excluding the MDOT intersections at the I-475 interchange and Dort Hwy (M-54). The GCRC received CMAQ funding to implement signal upgrades and the implementation of the Rhythm Engineering signal timing at each of the locations. As part of the implementation of the new signal timing optimization software, the Rhythm Engineering Group required updated baseline optimized signal timings at each of the study intersections along the corridor. A Synchro / SimTraffic model was developed for the corridor to develop optimized signal timing plans for each of the study intersections. This included a review of vehicle and pedestrian clearance intervals at the study intersections. The clearances were calculated using the MDOT Vehicle Change Interval Guidelines, MDOT Clearance Interval Spreadsheet, and the field data collected at the study intersections. The updated signal timing plans were prepared in accordance with the Michigan Electronic Traffic Control Guidelines for each of the study intersections along the corridor and provided the signal timing permits in MDOT format. The recommendations also included recommended flash schedules, based upon the 24-hour traffic volume data.

Spring Arbor Road Road Safety Audit - Jackson County Department of Transportation

RSA Facilitator and F&V project manager for this project that included the facilitation and the completion of a Road Safety (RSA) for the influence area along Spring Arbor Road between M-60 to Brown Street in Summit Township, Jackson County, MI. The 2.69 mile section of roadway segment was selected as one of the busiest and most crash-prone corridors in Jackson County due to the numerous local businesses, as well as churches, a high school, and a fire station. Additionally, because of its connection with M-60, it is the main entryway for traffic seeking to enter Summit Township and the City of Jackson from Southwest Jackson County. The RSA report provided a comprehensive summary of the field observations and findings, analysis, and mitigation recommendations. Some of the safety concern recommendations related to: high travel speeds, alignment of intersections, limited sight distance, lack of intersection lighting, and lack of pedestrian safety. The results of the RSA were presented to the owner group and provided in a final report for use by JCDOT in the development of improvements along this corridor.

F&V

PROFESSIONAL BIO

Shane has seven years of experience in municipal and water resources engineering. He has vast experience in municipal consulting, design of water main, sewer, and drainage structures, construction inspection, and technical reporting. Shane also has experience in the design and inspection of conservation practices including livestock waste storage facilities, livestock watering pipelines, rock chutes, water and sediment control basins, and roof runoff structures. He has knowledge in AutoCAD Civil 3D, and ArcGIS.

Shane is a Professional Engineer as well as certified scuba diver for our dive team. Shane is currently the dive team coordinator and a FHWA-NHI Certified Qualified Team Lead for In-Service Bridges and Underwater Bridge inspections.



SHANE PETERSON, PE

Project Engineer

speterson@fveng.com
616.965.8770

BS: Biosystems Engineering, Michigan State University

Professional Engineer
Michigan (No. 620310018)
Certified PADI Advanced Open Water Diver

FEATURED EXPERIENCE

Underwater Bridge Inspections - St. Clair County Road Commission
Inspector responsible for inspection of twenty-seven (27) bridge foundation/substructures across St. Clair County. Performed Level I and Level II visual and tactile inspections, and developed sounding plans, streambed profiles, and technical reports submitted to MDOT MiBridge application.

Underwater Bridge Inspections - Bay County Road Commission
Engineer tasked with underwater inspection of substructures of three (3) bridges throughout the County. Performed Level I and Level II visual and tactile inspections, and developed sounding plans, streambed profiles, and technical reports submitted to MDOT MiBridge application.

Underwater Bridge Inspections - Road Commission of Kalamazoo County
Engineer tasked with underwater inspection of substructures of six (6) bridges throughout the County. Performed Level I and Level II visual and tactile inspections, and developed sounding plans, streambed profiles, and technical reports submitted to MDOT MiBridge application.

Safety Inspection of In-Service Bridges - Newaygo County Road Commission
Inspector responsible for inspection of 55 in-service bridges to NBIS standards throughout the county. Performed visual and tactile inspections, scour evaluations, and streambed profiles, as well as technical reporting.

Underwater Bridge Inspections - Belding
Inspector responsible for inspection of 3 in-service bridges to NBIS standards in Belding. Performed visual and tactile inspections, scour evaluations, and streambed profiles, as well as technical reporting, for 3 bridges of the Flat River.

Crane Road over Thornapple River Mussel Survey - ASTI, Brighton
Inspector responsible for diving beneath the Thornapple River in Barry County. Collected both state and federally endangered freshwater mussels and relocate them out of the proposed construction zone.

F&V



PROFESSIONAL BIO

With over 20 years of experience, Jon has been involved in a wide variety of projects including the design of roads, bridges, wastewater collection systems, drainage systems, water distribution systems, parking facilities, streetscapes, and trails. He is an NHI-certified bridge inspector and has 15 years of experience in bridge inspection, scoping, design, and construction engineering.

Jon has also been involved in dam inspection and analysis and construction engineering on several civil construction projects. He has worked on a number of municipal utility studies and capital improvements planning projects.

Jon holds our MDOT prequal in three categories.

JON MOXEY, PE

Structural Engineer | Sr. Associate

jmoxey@fveng.com
616.588.1925

MS: Structural Engineering, University of Michigan
BS: Civil Engineering, Calvin College

Professional Engineer
Michigan (No. 6201051462)
Indiana (No. PE11011621)

FEATURED EXPERIENCE

Croton Drive over the Little Muskegon River - Newaygo County Road Commission
Project manager for the removal of the existing superstructure, widening of existing piers and abutments, raising the bottom of the beam elevation by one foot, constructing a new spread box beam superstructure and realigning.

Old M-20 over the White River - Newaygo County Road Commission
Project engineer for the design and replacement of a concrete through arch bridge. The project was funded with MDOT Local Bridge Program funds.

80th Street Bridge at Butler Creek - Newaygo County Road Commission Design engineer for the design and construction of a three-sided box culvert over Butler Creek. The three-sided box culvert was constructed on cast-in-place footing with temporary cofferdams left in place. F&V provided design and construction engineering services on the project.

Croton Drive over Muskegon River - Newaygo County Road Commission
Design engineer for the design and construction of rehabilitation improvements including deck and rail replacement, steel repairs, cleaning and coating and approach work. F&V provided design and construction engineering services on the project.

Colonial Road Bridge - Newaygo County Road Commission
Project engineer for the design and construction engineering of this MDOT Local Agency Bridge project. Work included preconstruction activities, bridge safety inspections, coordination of private utilities, bridge design and easement acquisition assistance.

Bridge Asset Management - Chippewa County Road Commission
Project manager responsible for preparing an asset management plan for Chippewa County Road Commission's (CCRC) 56 bridges and other road-related assets, per Michigan Public Act 324 requirements. Of the CCRC's 56 structures, 5 are concrete bridges, 20 are steel bridges, 24 are pre-stressed concrete bridges, and 7 are timber bridges.

F&V



SECTION 4: EXPERIENCE

F&V studies, designs, and constructs roadways and highways that move you wherever you're going.

We are proud to have worked with the following road agencies:

ROAD AGENCIES

- Alcona County Road Commission
- Allegan County Road Commission
- Barry County Road Commission
- Bay County Road Commission
- Benzie County Road Commission
- Berrien County Road Department
- Branch County Road Commission
- Calhoun County Road Department
- Cheboygan County Road Commission
- Chippewa County Road Commission
- Clare County Road Commission
- Clinton County Road Commission
- Eaton County Road Commission
- Emmet County Road Commission
- Genesee County Road Commission
- Grand Traverse County Road Commission
- Hillsdale County Road Commission
- Huron County Road Commission
- Ingham County Road Department
- Iron County Road Commission
- Jackson County Department of Transportation
- Kalkaska County Road Commission
- Kent County Road Commission
- Lake County Road Commission
- Lapeer County Road Commission
- Leelanau County Road Commission
- Livingston County Road Commission
- Macomb County Department of Roads
- Manistee County Road Commission
- Marquette County Road Commission
- Mason County Road Commission
- Mecosta County Road Commission
- Midland County Road Commission
- Missaukee County Road Commission
- Monroe County Road Commission
- Muskegon County Road Commission
- Newaygo County Road Commission
- Oceana County Road Commission
- Ogemaw County Road Commission
- Osceola County Road Commission
- Otsego County Road Commission
- Ottawa County Road Commission
- Road Commission for Montcalm County
- Road Commission of Kalamazoo County
- Roscommon County Road Commission
- Saginaw County Road Commission
- Saint Clair County Road Commission
- Saint Joseph County Road Commission
- Van Buren County Road Commission
- Washtenaw County Road Commission
- Wexford County Road Commission

We have provided further detailed experience on the following pages.





GENERAL CONSULTATION - NEWAYGO CRC

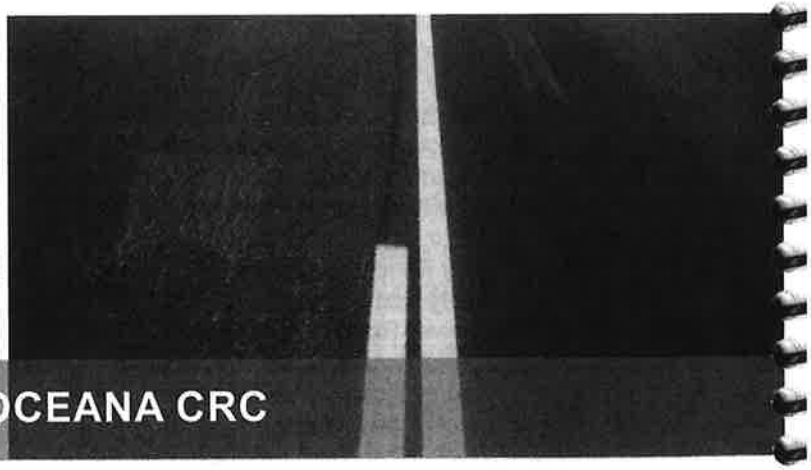
F&V has been working with Newaygo County Road Commission for over 17 years on a variety of general consultation service projects, including:

- 80th Street over Butler Creek
- Cypress & 112th Intersection Improvements
- Cypress & 22 Mile Intersection Improvements
- Bridge Inspections (62+)
- Croton Drive Bridge
- 6 Mile Bridge over White River Improvements
- Old M-20 Bridge Replacement
- Salt Storage Facility
- Green Avenue over White River Improvements
- Muskegon Drive Bridge Improvements
- Colonial Road Bridge Improvements

REFERENCE
Derek Wawsczyk, Manager
231.689.6682

Many of these projects were coordinated and funded through the MDOT Local Bridge Program.





GENERAL CONSULTATION - OCEANA CRC

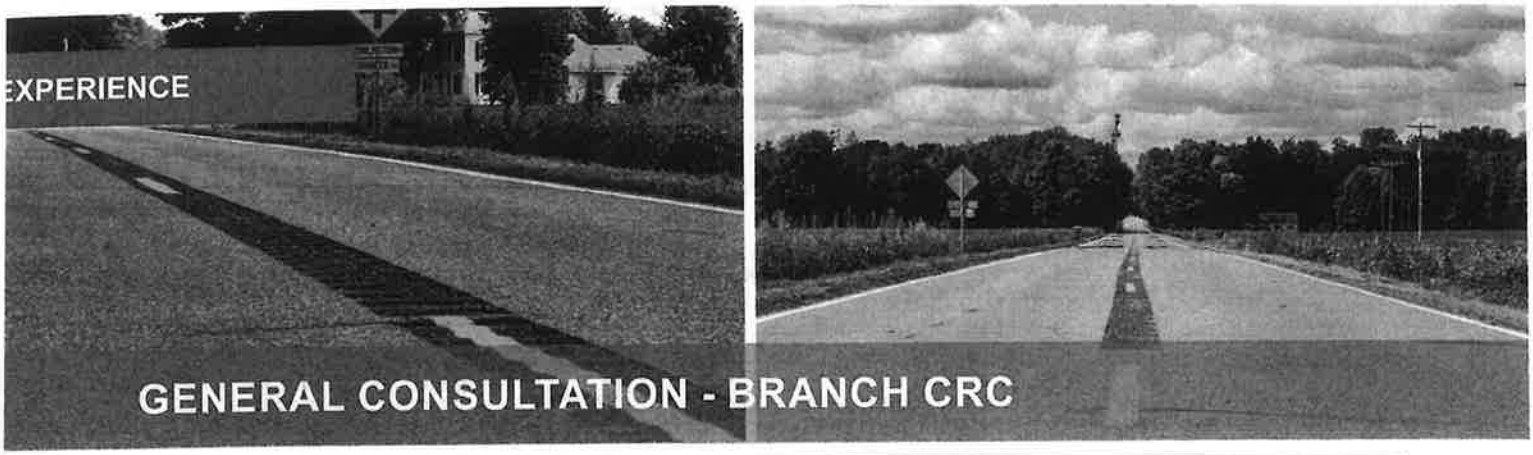
F&V has been working with Oceana County Road Commission since 2012 on a variety of general consultation service projects, including:

- Grant Road Improvements
- Water Road Improvement
- Wilke Road Ditch Erosion Improvements
- Woodrow Road Repaving
- Water Road Reconstruction
- Oceana Drive Improvements
- 192nd and 194th Avenue Improvements
- Shelby Road Improvements

REFERENCE
Mark Timmer, Managing Director
231.873.4226

Many of these projects included construction testing, HMA surfacing, aggregate base, conditioning & shaping, drainage improvements and earthwork.

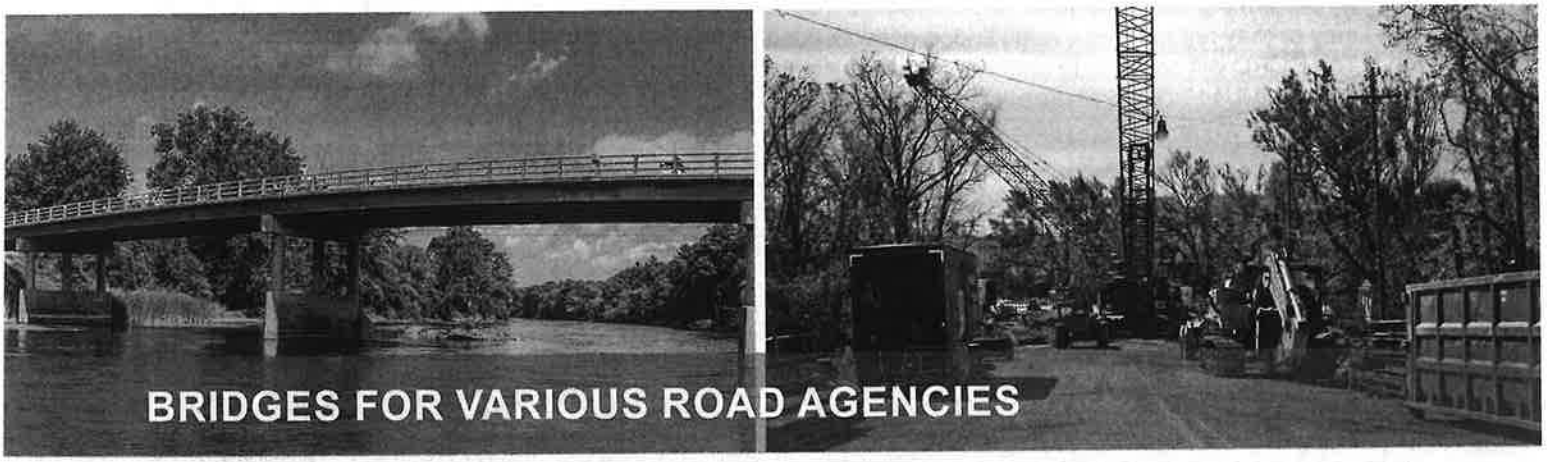
F&V



F&V has been working with Branch County Road Commission for three years on a variety of general consultation service projects, including:

- Centerline and Shoulder Corrugation Safety Project
- Maple Road/Wildwood Road/Stringtown Road Improvements
- N. Marshall Road Safety Improvements
- Burr Oak Road Improvements
- State Road Improvements
- Willowbrook Road Improvements
- Rumble Strips Construction Engineering
- N. Marshall Road Improvements
- Snow Prairie Road Improvements

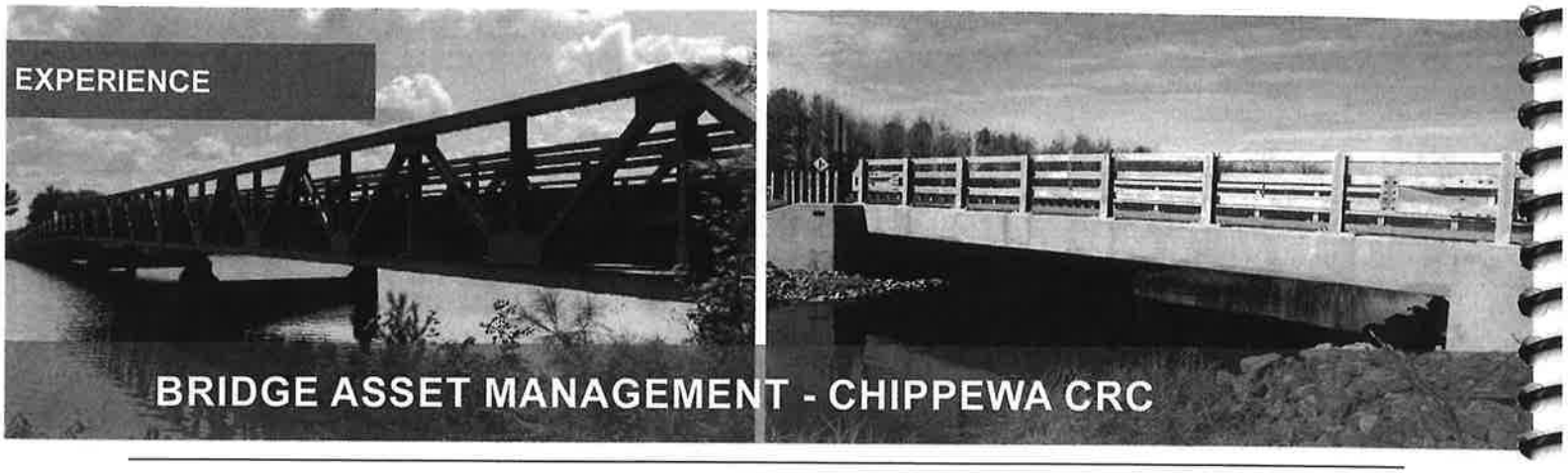
REFERENCE
Jay Miller, Manager
517.278.2022



F&V has provided design and construction engineering for dozens of bridge improvement projects for county road agencies. Some include:

- Newcosta Avenue Bridge Rehabilitation - Newaygo County Road Commission (NCRC)
- Croton Drive over Muskegon River - NCRC
- Green Avenue over the White River - NCRC
- Croton Drive over the Little Muskegon River - NCRC
- Spruce Avenue Bridge Improvements over Five Mile Creek - NCRC
- 5 Mile Road Bridge over Little Muskegon River - Mecosta County Road Commission (MCRC)
- 190th Avenue over the Little Muskegon River - MCRC
- Ballenger Highway Bridge Replacement Project - Genesee County Road Commission (GCRC)
- Farrand Road Bridge Re-Design - GCRC
- Perry Road Bridge - GCRC
- Thompson Road Culvert- GCRC
- 190th Avenue over the Hersey River - Osceola County Road Commission (OCRC)
- 200th Avenue over the Rose Lake Outlet - OCRC
- Bridge Inspections - Washtenaw County Road Commission; Wexford County Road Commission; GCRC; Road Commission of Kalamazoo County; Barry County Road Commission
- Underwater Bridge Inspections - St. Clair County Road Commission and Bay County Road Commission

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BRIDGE ASSET MANAGEMENT - CHIPPEWA CRC

F&V prepared an asset management plan for Chippewa County Road Commission's (CCRC) 56 bridges and other road-related assets, per Michigan Public Act 324 requirements. Of the CCRC's 56 structures, 5 are concrete bridges, 20 are steel bridges, 24 are pre-stressed concrete bridges, and 7 are timber bridges.

Our report discovered the following recommendations:

- The CCRC's bridge network is in generally Good to Fair condition overall.
- The CCRC has secured and programmed funding in the amount of $4,020,000 for FY2024.
- The CCRC intends to invest at least $50,000 per year on the preventative maintenance of its bridges.
- The CCRC plans to replace five bridges at a cost of $9,577,000, rehabilitate one bridge at a cost of $1,080,000 and perform preventative maintenance on six bridges at a cost of $798,000 from 2025 to 2030 if funding becomes available.
- By performing the aforementioned preventive maintenance and replacement of bridge structures, the CCRC may or may not meet its overall bridge network condition goals.
- The CCRC will continue to perform the present inspection program in order to properly assess the condition of each bridge and its respective structural elements.



UNDERWATER BRIDGE INSPECTIONS - ST. CLAIR CRC

F&V provided underwater inspection of foundation/substructure units for twenty-seven bridges in St. Clair County. The work included performing visual and tactile underwater inspection utilizing self-contained breathing apparatus' (SCUBA) of the submerged accessible elements, scour evaluation, depth soundings, and preparing reports detailing the findings. The work was completed in two phases:

1. Site inspection and data gathering including the review of previous inspections and scour data
2. Report writing and communication of information to SCCRC

Underwater bridge inspections are required for all bridges listed in the National Bridge Inventory (NBI) every five years. Inspections discovered the condition of all substructure/foundation units and recorded all defects that were detected. Benefits include compliance with the National Bridge Inspection Standards (NBIS), and improved capital improvement plans for bridge and culvert assets.

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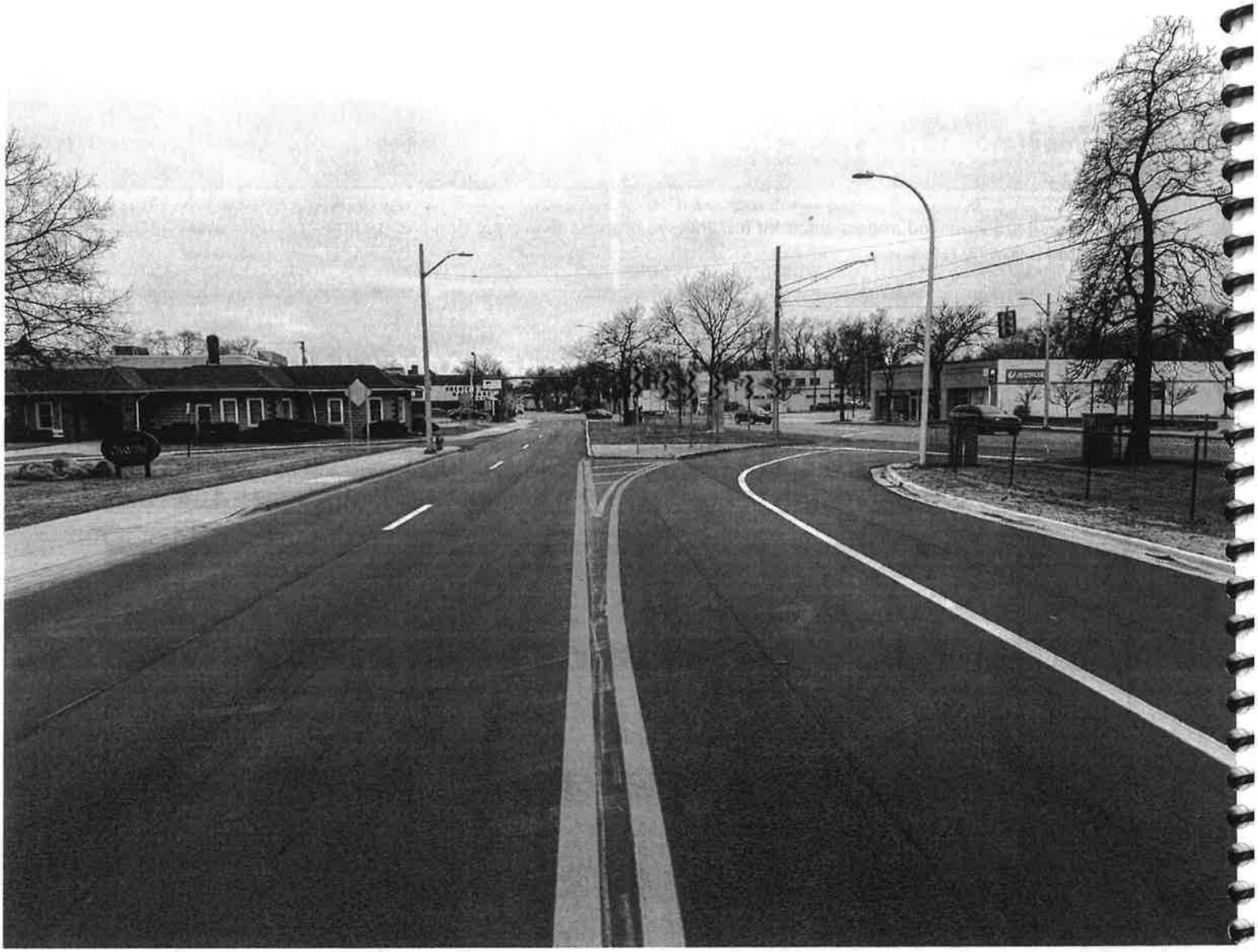
SECTION 5: **RATE SCHEDULE**

As projects are identified and selected for funding, we propose to provide appropriate project scopes and budgets using the following rates:

Classification	Rate
CIVIL ENGINEERS	**$55 - $255**
Intern	$55
Engineers-in-Training	$122
Engineer	$141 - $163
Project Engineer	$173
Engineer Manager	$173 - $186
Senior Engineer Manager	$200 - $255
PROJECT MANAGERS	**$160 - $215**
Project Manager	$160 - $185
Senior Project Manager	$200 - $215
TECHNICIANS	**$84 - $191**
Technician	$84 - $128
Office Technician	$108
Senior Engineer Technician	$135 - $191
SURVEYORS	**$110 - $188**
Survey Crew Chief	$110 - $130
Survey Manager	$147 - $188
SITE DEVELOPMENT	**$98 - 193**
Landscape Designer	$98 - $110
Landscape Architect	$136 - $156
Architect	$156 - $176
Senior Landscape Architect	$165 - $187
Senior Architect	$193
ENVIRONMENTAL	**$78 - $150**
Environmental Technician	$78 - $102
Environmental Resource Specialist	$93 - $147
Chemist	$112 - $124
Geologist	$112 - $134
Senior Geologist	$150
ADMINISTRATIVE AND BUSINESS SERVICES (IT, HR, MARKETING, ACCOUNTING, BUSINESS DEVELOPMENT)	**$76 - $228**
Administrative Assistant	$76 - $110
Senior Administrative Assistant	$136 - $228

Note: Rates are typically adjusted annually in April.

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FLEIS&VANDENBRINK

DESIGN. BUILD. OPERATE.

2960 Lucerne Drive SE
Grand Rapids, MI 49546
P: 616.977.1000
F: 616.977.1005
www.fveng.com

AS NEEDED ENGINEERING SERVICES INTERVIEW QUESTIONS

Vendor Name: _____

Total Score: _____

In evaluating each of the following please score 1-5 with 5 being highest score and 1 being lowest score

1. Accessibility & Communication _____
2. Federal Aid knowledge and experience _____
3. On-site time _____
4. Turn around time for estimates _____
5. Paser ratings how would you see them being used _____
6. Did any of proposed team work for MDOT _____
7. Tell us about the team experience in working with MDOT_____

8. Coordination between ICRD staff and the engineering team is essential. Tell us how you would envision that working with:
    a. Designs _____

    b. Inspections _____

    c. project completion and sign-off _____

9. What experience do you have with Roadsoft? _____

10. What software systems do you use and or have experience with? _____

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

Title: Repair Bridges 4031, 4054, and 4064
Date: October 22, 2024

CONTACT: Linda Pigue, Managing Director

DESCRIPTION: The 2023 annual bridge inspection report highly recommended repairs for North Plains Township, Primary bridge 4031 Stoudt Road over Fish Creek; Boston Township, Local bridge 4054 Peck Lake Road over Lake creek; and Easton Township Local bridge 4064 Dildine Road over Bellamy Creek. The Road Department solicited and received four (4) sealed bids for the repairs.

OTHER DEPARTMENTS/AGENCIES AFFECTED: None

FINANCIAL ANALYSIS: Boston Township has indicated they have funds sufficient to cover 50% of the repairs on Bridge SN 4054. The recommended cost of repair for Easton Township bridge SN 4064 exceeded the estimated cost approved by their Board. Easton Township is holding a special board meeting on Saturday 10/19/24 regarding approval of an additional $11,837.50. The North Plains Township Board decided that they will not have sufficient funds to cover 50% of the repairs for bridge SN 4031 unless their proposed road millage is approved by voters on 11/5/2024.

LEGAL REVIEW: Not applicable.

DEADLINE: October 22, 2024.

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):

Request the Board accept AnLaan Corporation's $26,990 bid for repairing bridge SN 4054. Request the Board accept AnLaan Corporation's $61,675 bid for repairing bridge SN 4064 pending Easton Township's agreement to cover 50% of the cost. Request the Board accept AnLaan Corporation's $68,030 bid for repairing bridge SN 4031 pending North Plains Township's agreement to reimburse the Road Department for 50% of the cost within 120 days of payment to AnLaan.

ADMINISTRATOR'S RECOMMENDATION:

Administrator recommends approval.

RFP BID TABULATION			Grand River Construction	AnLaan Corp	Nashville Construction	Mallory Bridge Construction
Item	Quantity	Unit	Bid	Bid	Bid	Bid
Stoudt Rd Over Fish Creek SN 4031						
Mobilization Max $11,000	0.33	LSUM	$ 3,630.00	$ 3,630.00	$ 3,630.00	$ 11,000.00
HMA Surface, Rem	760	SYD	$ 22,800.00	$ 15,200.00	$ 45,600.00	$ 11,400.00
HMA, 4EL	125	Ton	$ 31,250.00	$ 28,750.00	$ 32,193.75	$ 37,500.00
Resealing Trans Joints w/ Hot- Poured Rubber	34	Ft	$ 3,400.00	$ 850.00	$ 510.00	$ 102.00
Membrane, Preformed Waterproofing	3780	Sft	$ 37,800.00	$ 18,900.00	$ 22,680.00	$ 37,800.00
Slope Restoration, Non-Dfreeway, Type A	100	Syd	$ 1,500.00	$ 700.00	$ 500.00	$ 1,000.00
Total			$ 100,380.00	$ 68,030.00	$ 105,113.75	$ 98,802.00
Peck Lake Rd Over Lake Creek SN 4054						
Mobilization, Max $11,000	0.33	LSUM	$ 3,630.00	$ 3,630.00	$ 3,630.00	$ 11,000.00
HMA Surface, Rem	260	SYD	$ 7,800.00	$ 5,200.00	$ 15,600.00	$ 10,400.00
HMA, 4EL	42	Ton	$ 10,500.00	$ 9,660.00	$ 16,331.70	$ 21,000.00
Membrane, Preformed Waterproofing	100	SFt	$ 7,800.00	$ 7,800.00	$ 4,680.00	$ 15,600.00
Slope Restoration, Non-Dfreeway, Type A	100	Syd	$ 1,500.00	$ 700.00	$ 500.00	$ 1,000.00
Total			$ 31,230.00	$ 26,990.00	$ 40,741.70	$ 59,000.00
Dildine Rd over Bellamy Creek SN 4064						
Mobilization, Max $11,000	0.34	LSUM	$ 3,740.00	$ 3,740.00	$ 3,740.00	$ 11,000.00
Backfill, Structure, CIP	230	Cyd	$ 10,350.00	$ 6,555.00	$ 6,900.00	$ 11,500.00
Excavation, FDN	230	Cyd	$ 14,950.00	$ 4,600.00	$ 5,750.00	$ 23,000.00
Aggregate Surface Cse, 6 inch	300	Syd	$ 30,000.00	$ 13,500.00	$ 3,000.00	$ 15,000.00
Underdrain, Subgrade, 6 inch	160	Ft	$ 2,400.00	$ 2,400.00	$ 960.00	$ 1,600.00
Underdrain Outlet Ending, 6 inch	4	Ea	$ 1,200.00	$ 1,200.00	$ 600.00	$ 2,000.00
Membrane, Preformed Waterproofing	2070	Sft	$ 20,700.00	$ 28,980.00	$ 16,560.00	$ 20,700.00
Slope Restoration, Non-Dfreeway, Type A	100	Syd	$ 1,500.00	$ 700.00	$ 500.00	$ 1,000.00
Total			$ 84,840.00	$ 61,675.00	$ 38,010.00	$ 85,800.00
Total of 3 Projects			$ 216,450.00	$ 156,695.00	$ 183,865.45	$ 243,602.00

Board discussed request to accept quote for rotating carbide moldboard bits. Road Department Director Linda Pigue presented the request and recommended approval.

Motion to Accept Quote from Schults Equipment LLC
Moved by Frewen
Supported by Tiejema
Motion carried by voice vote

Board discussed request for Engineering Study for Airport Snow Removal Building. Maintenance Director Rod Steel presented the request and recommended approval.

Motion to Approve up to $45,000
Moved by Frewen
Supported by Wirtz
Motion carried by voice vote

Board discussed request for additional portico repairs. Maintenance Director Rod Steel presented the request and recommended approval.

Motion to Approve up to $57,245
Moved by Tiejema
Supported by Wirtz
Motion carried by voice vote

Board discussed request to increase County Credit Card Limit to $70,000. County Treasurer Judith Clark presented the request and recommended approval.

Motion to Increase County Credit Card Limit to $70,000
Moved by Frewen
Supported by Kelley
Motion carried by voice vote

Board discussed repair of bridge in North Plains Township and possible strategies to assist North Plains Township in paying portion of project.

Motion to Authorize Expenditure for North Plains Township Bridge up to $100,000 to be repaid within 120 Days
Moved by Kelley
Supported by Tiejema
Motion carried by voice vote

IX. Department Reports

Public Defender's Office presented written and oral report.

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

Title: Sprinkler Monitoring System & 1 Year Remote Monitoring
Date: October 22, 2024

CONTACT: Linda Pigue, Managing Director

DESCRIPTION:

The Road Department's Truck Barn Fire Alarm and Monitoring System were no longer functioning. The Road Department solicited three (3) and received two (2) quotes for a Sprinkler Monitoring System and one year of Remote Monitoring Service.

OTHER DEPARTMENTS/AGENCIES AFFECTED: None

FINANCIAL ANALYSIS:

The cost of the system and remote monitoring can be covered by the Department's 2024 budget.

LEGAL REVIEW:

Not applicable.

DEADLINE:

October 22, 2024.

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):

Request the Board accept the quote from Vanguard Fire & Security Systems, Inc. of $6,569.68 for the Sprinkler Monitoring System and $745 for one year of Remote Monitoring.

ADMINISTRATOR'S RECOMMENDATION:

Administrator recommends approval.

VANGUARD FIRE & SECURITY SYSTEMS, INC. ESTABLISHED 1957

Fire Protection | Security | Sprinkler | Critical Asset | Extinguishers | Kitchen | Central Station Monitoring | Building Reports

Work Authorization and Contract Proposal

Submitted to	Linda Pigue	Date	October 7, 2024
Customer	Ionia County Road Department	Job Site	Ionia County Road Department
Address	170 E. Riverside Dr. Ionia, MI 48846	Address	170 E. Riverside Dr. Ionia, MI 48846
Phone	616-902-0742	Proposal#	28-910
Email	lpigue@ioniacountyroads.org	Prepared by	Chris Woody

Vanguard Fire & Security Systems is pleased to submit our proposal for the following:

Scope of Work: This proposal is for a Sprinkler Monitoring System for Ionia County Road Department. This proposal is based on our understanding of the provided code requirements for this type of facility, which is fully sprinkled and that a full fire alarm system is not required.

Sprinkler Monitoring System:

1 – Control panel – by riser
1 – Battery backup system
1 – 110VAC surge suppressors
1 - Dual telephone line module
1 – Cellular type GSM wireless dialer
1 – Document cabinet
1 – Manual pull station – by remote annunciator
1 – Smoke detector – above panel
1 – Detector base
1 – 4 input/output board – riser connections
1 – Horn/strobe – wall mount – by panel
1 – Horn /strobe – weatherproof

- – Lot of misc. materials
- – Engineering for submittals
- – Programming/testing/certification
- – Necessary submittals
- – Final inspection with local FM and elec. Inspectors

Install Price: **$ 6,569.68** **Please Initial If Required: _____**

Remote Monitoring Cost Per Year: **$ 745.00** **Please Initial If Required: _____**

Vanguard shall undertake services contemplated by this proposal and proposes to furnish labor and materials, in accordance with the above specifications, for a total price listed above (hereinafter referred to as the "Base Contract Price"). Pricing is based on all items being accepted. Should the customer wish to approve some items and delay others, this may result in a new proposal being submitted.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner in accordance with Underwriters Standards, and a Michigan Inspection Bureau approved installation. Our employees are fully covered by Workmen's Compensation Insurance. Vanguard advises Customer that it is a licensed mechanical contractor and is required to be licensed under the Michigan Compiled Laws. Such mechanical contractor license number is: 71-03773.

Vanguard Fire & Security Systems, Inc. ("Vanguard")

Authorized Signature: _____

Chris Woody

VANGUARD FIRE & SECURITY SYSTEMS, INC. ESTABLISHED 1957

Chris Woody

cell 616.256.2554
cwoody@vanguard-fire.com

office (616) 245-8719 | fax (616) 245-7541

Note: This Proposal is valid for 15 days, after which, at Vanguard's option, it may be withdrawn.

- Vanguard Fire & Security will apply/use its standard C-19 protocols. Should additional protocols be required by the customer additional costs could apply and any C-19 delays cannot be held against Vanguard.

ACCEPTANCE OF PROPOSAL

The above prices, specifications, and conditions are satisfactory and are hereby accepted. Vanguard is authorized to do the work as specified. Payment will be made as outlined above. I have read, understand and agree to the terms and conditions contained on this page and on the following page and understand they are conditions and terms to this Agreement.

I have fully read the general notes and exclusions: **Initial Here:** _____

Accepted By:

PO Number: _____

Signature: _____ **Title:** _____

Print Name: _____ **Date:** _____

FIRE PROS
Fire Protection Service

From | **Fire Pros**

2710 Northridge Dr NW
Suite F
Walker MI 49544
(866) 329-6642
https://www.firepros.com

Quote No.	**2041785**
Type	Repair
Prepared By	Ed Medley
Created On	10/09/2024
Valid Until	11/09/2024

Quote For | **IONIA COUNTY ROAD COMMISSION**

Ionia (County of) Road Commission
170 East Riverside Drive
Ionia MI 48846

Description of Work

Kevin,

Here is our proposal to provide and install the equipment to monitor the Sprinkler Systems per your request.
The Simplex Dialer/Panel needs to be replaced with a fire alarm system that meets code requirements.
Annual monitoring is $750.00 with 2-year agreement.

EQUIPMENT LIST
(1) MS5-UD
(1) TG7 Cellular Communicator
(1) Fire Alarm Breaker Lock
(2) 12v7a Back up batteries
(1) Surge Protector
(1) Smoke Detector
(1) Manual Pull
(2) Horn Strobes
Labor to Install
Permits
Exclusions:
Per our discussion Ionia County will need to have an electrician run power to our fire alarm panel which will be installed by the sprinkler risers. Power will need to come from a 120vac dedicated 20Amp breaker. We will also need power for an outdoor horn-strobe that will need to be installed on the exterior of the building. (note: If awarded this project we can talk with you or your electrician to give more detail as to what will be needed prior to us getting on site)
Plan Review Fee Not Included- If the township requires a plan review it will be billed at cost in addition to this proposal. We don't anticipate a plan review being required. The reason we exclude the plan review is because the city or township doesn't give us the cost for it until after they complete the plan review.

EQUIPMENT REPAIR AGREEMENT
This EQUIPMENT REPAIR AGREEMENT (the Agreement) is between FIRE PROS, LLC (Company) and the companies listed above (the Customer). This Agreement provides for repair services only on the Equipment indicated on the Description of Work and Services to Be Completed section for the premises address.
***NOTE:**Fire Pros, LLC does not perform wall patching, painting, ceiling tile replacement or any other repairs to the property needed as a result of the modifications to the property that were necessary to fulfill this scope of work. Those services would need to be performed by the customer or contracted by the customer to be performed by others.*
FEES AND CHARGES: CUSTOMER AGREES TO PAY COMPANY (PLUS SALES TAX IF APPLICABLE) THE FEES OUTLINED BELOW PLUS VEHICLE FLEET CHARGES THAT MAY BE ASSESSED FOR THE CONTRACTED-FOR EQUIPMENT REPAIR OR REPLACEMENT, AS FOLLOWS:

PLANS, PERMITS, FIRE MARSHAL TESTING/RE-TESTING FEES: ANY REQUIRED PLANS, PERMITS AND FIRE MARSHAL TESTING THAT MAY BE REQUIRED WILL BE BILLED AND INVOICED SEPARATELY AND ARE NOT INCLUDED IN THE PROPOSAL PRICE UNLESS SPECIFICALLY LISTED AS INCLUDED.
TERMS: 50% DEPOSIT DUE PRIOR TO SCHEDULED REPAIR, UNLESS OTHERWISE NOTED. NET 30 DAYS ON REMAINING BALANCE. THESE FEES AND CHARGES ARE GOOD FOR SIXTY (60) DAYS FROM THE DATE OF THIS AGREEMENT. COMPANY RESERVES THE RIGHT TO REASONABLY INCREASE THE FEES AND CHARGES AT ANY TIME THEREAFTER
BY SIGNING BELOW OR ELECTRONICALLY APPROVING (VIA APPROVAL/ACCEPTANCE OF THIS QUOTE ONLINE, EMAIL OR OTHER MEANS) THE CUSTOMER ACKNOWLEDGES THAT CUSTOMER HAS RECEIVED AND REVIEWED THIS AGREEMENT AND HAS READ AND UNDERSTOOD THIS AGREEMENT, INCLUDING THE GENERAL TERMS AND CONDITIONS.

Services to be completed

[Alarm Systems] Location - Building

This quote is for Fire Pros to remove the Old Simplex dialer and install a New Fire Alarm sprinkler monitoring system with a cellular communicator, Horn/Strobe, Smoke Detector, Pull Station, Riser tie ins, Permits, and testing.
Annual monitoring is a separate cost of $750.00, with a 2-year agreement.

GRAND TOTAL **$10,795.30**

Terms and Conditions

GENERAL TERMS TO EQUIPMENT REPAIR AGREEMENT BETWEEN (COMPANY) AND CUSTOMER

1.**LIMITATION OF REPAIR SERVICES**

THE COMPANY OR ITS SUBCONTRACTOR (COLLECTIVELY THE COMPANY) AGREES TO REPAIR OR REPLACE ONLY THE EQUIPMENT IDENTIFIED ON THE ATTACHED SCOPE OF WORK/SERVICES TO BE COMPLETED SECTION OF THIS AGREEMENT. COMPANY WILL NEITHER REPAIR NOR REPLACE ANY OTHER EQUIPMENT AT THE PREMISES. ONCE THE CONTRACTED-FOR REPAIR OR REPLACEMENT IS COMPLETED, COMPANY WILL INSPECT AND TEST ONLY THE EQUIPMENT WHICH IT REPAIRED OR REPLACED. COMPANY WILL NOT INSPECT OR TEST ALL OF THE EQUIPMENT AT THE PREMISES ADDRESS, UNLESS SEPARATELY CONTRACTED IN WRITING TO DO SO. IT IS THE CUSTOMERS RESPONSIBILITY TO MAKE THE PREMISES ADDRESS AVAILABLE TO COMPANY DURING NORMAL BUSINESS HOURS (8:00 A.M. TO 5:00 P.M.) SO THAT COMPANY MAY PERFORM THE REPAIRS OR REPLACEMENT OF THE EQUIPMENT. IF THE CUSTOMER FAILS TO MAKE THE PREMISES AVAILABLE ON THE DATE AND TIME AGREED, THEN COMPANY SHALL HAVE THE RIGHT, IN ITS SOLE DISCRETION, TO TERMINATE THIS AGREEMENT OR CHARGE THE CUSTOMER AN ADDITIONAL REASONABLE FEE. COMPANY ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY LOSS OR DAMAGE OF ANY KIND OR NATURE, WHICH MAY OCCUR AFTER THIS AGREEMENT IS SIGNED AND BEFORE COMPANY PERFORMS THE REPAIR OR REPLACEMENT CONTRACTED-FOR UNDER THIS AGREEMENT. COMPANY SHALL HAVE NO OBLIGATION WHATSOEVER TO PERFORM ANY SERVICES UNDER THIS AGREEMENT UNTIL THE CUSTOMER PAYS THE INITIAL PAYMENT UNDER THE FEES AND CHARGES SECTION OF THIS AGREEMENT.

2.**LIMITATION OF COMPANYS LIABILITY**

IF THE COMPANY IS FOUND LIABLE FOR ANY LOSS OR DAMAGE DUE TO BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, GROSS NEGLIGENCE IN STATES WHERE COMPANY CAN LIMIT ITS LIABILITY FOR GROSS NEGLIGENCE, NEGLIGENT MISREPRESENTATION, STRICT PRODUCT LIABILITY, INDEMNIFICATION OR CONTRIBUTION , OR ANY OTHER THEORY OF LIABILITY ARISING FROM THE REPAIR, REPLACEMENT, TESTING, INSPECTION, DESIGN, OPERATION OR NON-OPERATION OF THE EQUIPMENT SUBJECT TO, OR IN ANY WAY RELATED, TO THIS AGREEMENT OR ANY OTHER SERVICES WHICH THE CUSTOMER CLAIMS WERE PROVIDED OR SHOULD HAVE BEEN PROVIDED UNDER THIS AGREEMENT, THE COMPANYS MAXIMUM LIABILITY WILL BE LIMITED TO A SUM EQUAL TO THE FEES AND CHARGES UNDER THIS AGREEMENT, COLLECTIVELY FOR COMPANY, ITS EMPLOYEES, AGENTS, SUBCONTRACTOR AND REPRESENTATIVES, AND THIS LIABILITY SHALL BE EXCLUSIVE. THE COMPANY WILL ASSUME A GREATER LIABILITY, BUT ONLY FOR AN ADDITIONAL CHARGE TO BE AGREED UPON BY THE CUSTOMER AND THE COMPANY. IF THE COMPANY DOES SO, A RIDER WILL BE ATTACHED TO THIS AGREEMENT.

THIS LIMITATION OF LIABILITY SPECIFICALLY COVERS LIABILITY FOR, AMONG OTHER THINGS, LOST PROFITS; LOST OR DAMAGED PROPERTY; LOSS OF USE OF PROPERTY OR THE PREMISES; BUSINESS INTERRUPTION, GOVERNMENT FINES AND CHARGES; PERSONAL INJURIES OR DEATH; ECONOMIC DAMAGES; NON-ECONOMIC DAMAGES; PAIN AND SUFFERING; LOSS WAGES; LOSS OF

EARNING CAPACITY; CROSS-CLAIMS AND OTHER CLAIMS FOR INDEMNITY AND CONTRIBUTION; AND THE CLAIMS OF THIRD PARTIES. ALSO COVERED BY THIS LIMITATION ARE THE FOLLOWING TYPES OF DAMAGES: DIRECT, INDIRECT, SPECIAL, INCIDENTAL, AND CONSEQUENTIAL (DAMAGES THAT RESULT FROM AN ACT, BUT DO NOT DIRECTLY RELATE TO THE ACT) AND PUNITIVE (DAMAGES USED TO MAKE AN EXAMPLE OF SOMEONE).

3.**INSURANCE**.

The Customer understands that the COMPANY IS NOT AN INSURER. The Customer is responsible for obtaining all insurance the Customer thinks is necessary, including coverage for personal injury and property damage. The payments the Customer makes under this Agreement are not in any way related to the value of the Premises or the Customers possessions or people on the Premises.

The Customer releases the Company from any liability for any event or condition covered by the Customers insurance. This provision is also known as waiver of subrogation provision.

4.**CUSTOMERS PROTECTION OF COMPANY**.

This Agreement is intended only for the Customers benefit. Therefore, the Customer agrees to protect, indemnify, defend, release and hold harmless the Company and the Company's related parties (including payment of reasonable attorneys= fees and court costs), from liability against all third party claims or losses (that is, any person or entity which is not a party to this Agreement) brought against the Company which in way relate to the repair, replacement, testing, inspection, design, operation or non-operation of the Equipment subject to, or in any way related, to this Agreement or any other services which any such third party claims were provided, or should have been provided, under this Agreement. The Company's related parties include the Company's employees, agents and subcontractors.

This protection/indemnity covers claims against the Company arising under contract, warranty, Company's own negligence or gross negligence in states in which Company can obtain indemnification against its own gross negligence, negligent misrepresentation, strict product liability, cross-claims or other claims for indemnification or contribution, or any other theory of liability.

5.**CUSTOMERS DUTY TO TEST/INSPECT/REPAIR**.

It is the sole responsibility of the Customer to test and inspect the operation of all of Customer's fire detection/protection/suppression equipment in accordance with the NFPA, local authority having jurisdiction, or other applicable codes, laws, guidelines or standards. Except as provided for under this Agreement, Company will not in any way test, inspect, repair or otherwise service the Equipment or any other Equipment at the Premises Address, unless separately contracted in writing to do so.

6.**THE CUSTOMERS AGREEMENTS**.

The Customer has the authority to sign this Agreement and in doing so will not violate any other agreement.

Customer understands and agrees that, while Company is performing the contracted-for Inspection or Services, equipment at the Premises may fail or malfunction through no fault of Company and, among other things, water, suppression agent or other material may leak or be discharged. Company assumes no liability or responsibility whatsoever for any such failure, including any water, suppression agent or other material which may leak or be discharged, or any real or personal property damage, inventory damage, economic damage, business interruption, or other damages which may result. Company will only repair, replace or clean up any such failure if contracted separately in writing to do so for an additional fee.

If the Scope of Work to this Agreement includes a time entry for Trouble Shooting, then Customer understands and agrees that Company may not, despite its good faith efforts, be able to diagnose the problem or problems with the Equipment within that time entry. In the event Company is unable to diagnose the problem or problems within the time entry, and Customer is unwilling to pay Company additional fees requested by Company for additional Trouble Shooting, then either Company or Customer shall have the right to terminate this Agreement. In the event of any such termination, Customer agrees to pay Company at the hourly rate of $140.00 per man hour for the Trouble Shooting performed up to the time of termination.

7. EXISTING SYSTEMS.

Where any and all services performed by Company are for an existing system or connected to or comes into contact with an existing system, any deficiencies detected in the existing system during inspecting, testing, repairing or charging of the system are the responsibility of the Customer and are not covered by any warranties that may be applicable to the services being performed by Company. Customer agrees that any corrective actions proposed by Company as part of this agreement, including but not limited to inspection, service, maintenance, repair of or replacement of parts, installation of new parts, and other recommendations made by Company, may identify, and indicate deficiencies within the existing system(s) of Customer. As an element of safety, Customer agrees that it is at their sole discretion and choice to leave existing system(s) operational and assumes any and all liability for occurrences, failures, loss, or damages, resulting from existing deficiencies within Customers system(s), whether or not deficiencies contributing to such loss or damage have been identified by Company. Customer agrees that Company shall bare no liability for occurrences, failures, loss, damages, or a breach of this agreement, arising from existing deficiencies within Customers system(s). Customer releases Company from any and all claims regarding the existing system and any damage or injury caused by or to the existing system.

8.**NO WARRANTY**.

COMPANY MAKES NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ANY AND ALL SUCH WARRANTIES BEING EXPRESSLY WAIVED UNDER THIS AGREEMENT.

9.**THE CUSTOMERS DEFAULT**.

The Customer agrees to pay the Fee and Charges under this Agreement as and when due, In the event the Customer fails to pay, as agreed, the Company will give the Customer written notice of default. If the Customer does not cure the default within 10 days of the date of the notice, the Company can terminate this Agreement. If the Company terminates this Agreement, the Customer must pay the Company (a) all amounts then due and fifty percent (50%) of all amounts to become due and owing under this Agreement; and (b) the Company's reasonable collection costs, including attorneys fees and costs.

In addition to the foregoing remedy, the Customer agrees to pay Company a finance charge of one and one-half (1-1/2%) percent (eighteen (18%) percent per year) on all obligations not paid within ten (10) days of the due date.

In the event this Agreement is terminated for any reason, then the following provisions shall survive the termination and continue with full force and effect: Limitation of Company's Liability, Insurance, Customer's Protection of Company, and Limitation of Lawsuits/Jury Trial.

10.**TRANSFERS**

The Customer cannot transfer or assign this Agreement without the Company's consent. However, the Company can transfer or assign this Agreement or subcontract its obligations without the Customer's consent. If the Company does so, anyone to whom the Company transfers, assigns or subcontracts its obligations will have all of the Company's rights under this Agreement, and Company will continue to have all of its rights under this Agreement.

11.**LIMITATION ON LAWSUITS/ JURY TRIAL**.

The Customer must bring any lawsuit against the Company within one (1) year after the act, omission or event occurred upon which the lawsuit is based. If the Customer does not, the Customer has no right to sue the Company and the Company has no liability to the Customer for that claim. It is critical that the Customer bring any claim in a timely manner. Time is of the essence.

THE COMPANY AND THE CUSTOMER BOTH GIVE UP THEIR RIGHT TO A JURY TRIAL.

12.**MISCELLANEOUS**.

This Agreement contains the entire understanding between the Customer and the Company and replaces any other documents or discussions the Company previously had with the Customer.

All of the terms and conditions on this Agreement will also apply to any and all future services or work of any kind or sort provided to Customer by the Company that are not otherwise subject to and governed a written agreement, including without limitation a written agreement governing equipment repairs and/or installations, signed by the Customer and the Company. In the event that the Customer was acquired by the Company through an asset purchase or other agreement with another company previously providing equipment repairs, installation or other services or work to the Customer (hereinafter an Acquired Customer), then the terms and conditions of this Agreement shall apply to any such future services or work of any kind or sort provided by the Company to the Acquired Customer, unless such future services or work of any kind or sort are subject to a new Agreement executed by the Company and the Acquired Customer.

This Agreement is governed by law of the State where the Premises is located. The terms and conditions of this Agreement shall prevail notwithstanding the terms and conditions of any order form, purchase order, or other document submitted by the Customer and any such terms and conditions are expressly disclaimed and shall be of no force and effect. That is, it is the intent of the parties that this Agreement, and only this Agreement, shall govern the terms and conditions relating to the Repair of Equipment.

If any provision of this Agreement is found to be invalid, the remaining provisions are still effective. This Agreement cannot be modified without the written consent of both Customer and Company.

BY SIGNING BELOW, OR ELECTRONICALLY APPROVING (VIA ACCEPTANCE OF THIS QUOTE, EMAIL OR OTHER MEANS) THE CUSTOMER ACKNOWLEDGES THAT THE CUSTOMER HAS RECEIVED A COPY OF THIS AGREEMENT AND HAS READ AND UNDERSTOOD THIS AGREEMENT AND ALL ITS TERMS AND CONDITIONS. FURTHER, THE PERSON SIGNING BELOW, OR ELECTRONICALLY APPROVING ON BEHALF OF THE CUSTOMER WARRANTS AND REPRESENTS TO THE COMPANY THAT HE/SHE HAS THE EXPRESS OR IMPLIED AUTHORITY TO DO SO BY THE CUSTOMER AND BIND THE CUSTOMER TO ALL OF THE TERMS AND CONDITIONS HEREOF.

By my signature below, I authorize work to begin and agree to pay the Grand Total according to the terms and conditions of this agreement.

Name: _____ Date: _____

Signature: _____

Ionia County

Building Codes

Third Quarter

Report

2024

Permit List

09/26/2024

Permit #	Address	Category	Applicant Name	Date Issued	Date Expires	Amount Billed
PB24-0455	4187 HAYNOR RD	RES ADDITION/ALTERATIO	CAVANAUGH CHRIS MIACHA	07/01/2024	01/29/2025	$125.00
PB24-0456	1615 TUPPER LAKE ST LOT 33	DEMOLITION	MCM MI CONSTRUCTION LLC	07/02/2024	12/29/2024	$125.00
PB24-0457	1615 TUPPER LAKE ST LOT 84	DEMOLITION	MCM MI CONSTRUCTION LLC	07/02/2024	12/29/2024	$125.00
PB24-0458	8300 N MONTCALM AVE	RES ACCESSORY	BRIAN DUNN	07/09/2024	03/26/2025	$504.00
PB24-0459	5192 EMILEE DR	RES ADDITION/ALTERATIO	KATZ ROOFING	07/10/2024	01/12/2025	$179.00
PB24-0460	8691 MOUNTAINMINT CIRCLE	RES NEW CONSTRUCTION	LAVISH BUILDERS	07/10/2024	01/22/2025	$1,009.00
PB24-0461	1133 YEOMANS ST LOT 217	RES ACCESSORY	LEWIS RANDY JAMES	07/10/2024	02/08/2025	$125.00
PB24-0462	5990 DUMON RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/10/2024	01/06/2025	$125.00
PB24-0463	435 PINEVIEW DR	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/10/2024	03/26/2025	$125.00
PB24-0464	2273 POTTERS RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/10/2024	03/26/2025	$125.00
PB24-0465	570 E STATE ST	RES NEW CONSTRUCTION	JASON WIERS BUILDER LLC	07/10/2024	02/12/2025	$793.00
PB24-0466	8955 COTTONWOOD CREEK DR	RES ADDITION/ALTERATIO	KANAZEH CONSTRUCTION	07/11/2024	02/10/2025	$125.00
PB24-0467	329 DELANO ST	RES HUD ON PRIVATE	LEWIS RANDY JAMES	07/11/2024	01/08/2025	$200.00
PB24-0468	5480 E DAVID HWY	RES ADDITION/ALTERATIO	KLINE, STEVE	07/11/2024	03/02/2025	$125.00
PB24-0469	8024 SCOTT RD	RES HUD ON PRIVATE	WOJCIK, COREY	07/12/2024	01/22/2025	$262.50
PB24-0470	1962 KEEFER HWY	RES NEW CONSTRUCTION	GOODMAN HOMES LLC	07/12/2024	03/10/2025	$1,225.00
PB24-0471	1409 JORDAN LAKE ST	COMM ADDITION/ALTERATI	CONRADS QUICKLUBE ADDI	07/12/2024	03/24/2025	$407.00
PB24-0472	1030 5TH AVE	RES ADDITION/ALTERATIO	MILLER, SCOTT	07/12/2024	03/01/2025	$125.00
PB24-0473	9565 BARNES RD	RES ADDITION/ALTERATIO	ACME HOME EXTERIORS	07/15/2024	01/14/2025	$125.00
PB24-0474	963 SKYVIEW TRL	RES NEW CONSTRUCTION	ALLEN EDWIN HOME BUILDE	07/16/2024	03/26/2025	$863.00
PB24-0475	812 3RD AVE	RES ADDITION/ALTERATIO	42 NORTH CONSTRUCTION LL	07/16/2024	03/12/2025	$62.50
PB24-0476	1527 W STATE RD LOT 148	FOUNDATION ONLY	MI MOBILE SERVICE	07/16/2024	01/12/2025	$125.00
PB24-0477	2841 BONANZA RD	RES NEW CONSTRUCTION	C.A. SMITH CONSTRUCTION	07/16/2024	02/10/2025	$918.00
PB24-0478	142 CHURCHILL ST	RES ADDITION/ALTERATIO	LIFETIME ROOFING	07/16/2024	01/29/2025	$125.00
PB24-0479	9086 MARSALLE RD	RES ADDITION/ALTERATIO	PLEYTE CONSTRUCTION	07/17/2024	01/19/2025	$166.00
PB24-0480	7651 FRIEND RD	RES ADDITION/ALTERATIO	BRAD BENDER	07/17/2024	02/16/2025	$297.00
PB24-0481	960 WHITETAIL CT	RES NEW CONSTRUCTION	ALLEN EDWIN HOME BUILDE	07/17/2024	03/22/2025	$696.00
PB24-0482	8085 CAMPBELL RD	RES ADDITION/ALTERATIO	BRISENO BUILDERS	07/17/2024	01/19/2025	$142.00
PB24-0483	241 E LINCOLN AVE	RES ADDITION/ALTERATIO	COULIERS CONSTRUCTION L	07/17/2024	01/20/2025	$125.00
PB24-0484	985 E MAIN ST	COMM ADDITION/ALTERATI	CENTRAL MICHIGAN BUILDI	07/17/2024	01/13/2025	$1,676.00
PB24-0485	6800 N STATE RD	COMM NEW CONSTUCTION	QT INVESTMENTS	07/17/2024	02/10/2025	$3,066.00
PB24-0486	8288 TUCKER RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/17/2024	01/13/2025	$125.00
PB24-0487	6558 DAUSMAN PARK	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/17/2024	01/13/2025	$125.00
PB24-0488	9645 LEVI DR	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/17/2024	01/13/2025	$125.00
PB24-0489	9600 TANNIS RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/17/2024	01/13/2025	$125.00

PB24-0490	8560 ANGLERS CV	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/17/2024	01/13/2025	$125.00
PB24-0491	7178 RIVERWOOD DR	RES ACCESSORY	STEWART, GARY	07/17/2024	01/13/2025	$62.50
PB24-0492	6390 LAKESHORE DR	RES ADDITION/ALTERATIO	JAMES, DARREN	07/18/2024	02/10/2025	$62.50
PB24-0493	1133 YEOMANS ST LOT 234	RES ADDITION/ALTERATIO	MAGALLONS CONSTRUCTION	07/18/2024	02/10/2025	$134.00
PB24-0494	825 FARMVIEW LN	RES ACCESSORY	MILLER BOUMA, PAMELA	07/18/2024	02/03/2025	$312.00
PB24-0495	825 FARMVIEW LN	RES HUD ON PRIVATE	MILLER BOUMA, PAMELA	07/18/2024	01/25/2025	$200.00
PB24-0496	6029 JORDAN LAKE RD	RES ADDITION/ALTERATIO	HOME PRO ROOFING	07/18/2024	02/03/2025	$125.00
PB24-0497	926 W MAIN ST	RES ACCESSORY	STARR, RICHARD	07/18/2024	01/14/2025	$83.00
PB24-0498	11386 W BLUEWATER HWY	RES ADDITION/ALTERATIO	J. VAN HANDYMAN LLC	07/19/2024	02/19/2025	$125.00
PB24-0499	10740 E GRAND RIVER AVE	RES ACCESSORY	FRAME PRO CONSTRUCTION	07/19/2024	02/24/2025	$301.00
PB24-0500	13576 S STATE RD	RES NEW CONSTRUCTION	JLM HOME SOLUTIONS LLC	07/22/2024	02/08/2025	$414.00
PB24-0501	473 RICE ST	RES ADDITION/ALTERATIO	STARKS, BRIAN	07/19/2024	01/22/2025	$125.00
PB24-0502	11767 CUTLER RD	RES HUD ON PRIVATE	PLATTE, ALISA	07/22/2024	01/26/2025	$200.00
PB24-0503	8751 MEADOWRUE DR	RES NEW CONSTRUCTION	OAKRIDGE HOMES	07/22/2024	02/10/2025	$914.00
PB24-0504	360 E TUTTLE RD LOT 133	RES ADDITION/ALTERATIO	JERRY MARTIN BUILDER	07/22/2024	03/08/2025	$131.00
PB24-0505	4091 N WHITES BRIDGE RD	RES ADDITION/ALTERATIO	COUNTRY BOY BUILDERS	07/22/2024	01/18/2025	$125.00
PB24-0506	736 W DAVID HWY	RES ACCESSORY	KLEERSNYDER, MARK J & PE	07/23/2024	02/16/2025	$134.00
PB24-0507	3885 E STAGE RD LOT 31	RES NEW HUD HOME	MILLSTONE CONSTRUCTION	07/29/2024	01/26/2025	$200.00
PB24-0508	6590 SHORELINE CT	RES ADDITION/ALTERATIO	ARMORED ROOFING & CONS	07/24/2024	01/20/2025	$125.00
PB24-0509	8958 LENHARDS LANDING	RES NEW CONSTRUCTION	INNOVATIVE TINY HOMES	07/24/2024	03/26/2025	$344.00
PB24-0510	8075 MAC ARTHUR RD	RES ADDITION/ALTERATIO	3 PEAKS ROOFING	07/25/2024	03/05/2025	$125.00
PB24-0511	499 PINEVIEW DR	RES ADDITION/ALTERATIO	COUNTRY HILLS CONSTRUCT	07/25/2024	01/21/2025	$125.00
PB24-0512	8262 TUCKER RD	RES ADDITION/ALTERATIO	SUMMIT POINT ROOFING, LL	07/25/2024	01/21/2025	$125.00
PB24-0513	916 MASONIC AVE	RES ADDITION/ALTERATIO	MELVIN BELK	07/26/2024	03/02/2025	$125.00
PB24-0514	14608 CARLON DR	RES ACCESSORY	HELT, STEVEN M & JANAE D	07/29/2024	02/16/2025	$243.00
PB24-0515	647 BAYARD ST	RES ADDITION/ALTERATIO	F THOMAS BUILDERS INC	07/29/2024	02/11/2025	$125.00
PB24-0516	8075 MAC ARTHUR RD	RES ADDITION/ALTERATIO	3 PEAKS ROOFING	07/29/2024	03/24/2025	$125.00
PB24-0517	259 E SUMMIT ST	RES ACCESSORY	HERNANDEZ, JOSE & LOREN	07/29/2024	02/03/2025	$312.00
PB24-0518	5612 CONKLIN RD	RES ADDITION/ALTERATIO	PRIORITY ROOFING LLC	07/29/2024	03/26/2025	$125.00
PB24-0519	7341 S MONTCALM AVE	RES ADDITION/ALTERATIO	3 PEAKS ROOFING	07/29/2024	02/04/2025	$125.00
PB24-0520	2678 OTTAWA DR	RES NEW CONSTRUCTION	CLARK, MICHAEL D & KARIE	07/30/2024	01/26/2025	$492.00
PB24-0521	7062 BROOKS RD	RES ADDITION/ALTERATIO	MCMANES, KEEGAN & APRIL	07/30/2024	03/22/2025	$424.00
PB24-0522	812 E WASHINGTON ST	RES ADDITION/ALTERATIO	ERIE CONSTRUCTION MID-W	07/30/2024	01/26/2025	$125.00
PB24-0523	441 RICE ST	RES ADDITION/ALTERATIO	ERIE CONSTRUCTION MID-W	07/30/2024	01/26/2025	$125.00
PB24-0524	115 S VOSPER ST	RES ADDITION/ALTERATIO	ERIE CONSTRUCTION MID-W	07/30/2024	01/26/2025	$125.00
PB24-0525	9773 MARBLE PINES DR	RES NEW CONSTRUCTION	JOHNSON HOMES INC	07/30/2024	02/16/2025	$1,083.00
PB24-0526	245 S MAIN ST	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	07/30/2024	01/26/2025	$125.00
PB24-0527	6256 DAUSMAN PARK	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/31/2024	03/26/2025	$125.00
PB24-0528	8194 MORRISON LAKE GDNS	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/31/2024	03/26/2025	$125.00
PB24-0529	5850 IVAN RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/31/2024	03/26/2025	$125.00

PB24-0530	8850 BREEZY PT	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/31/2024	03/26/2025	$125.00
PB24-0531	8904 LENHARDS LNDG	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/31/2024	03/26/2025	$125.00
PB24-0532	975 N LEE RD	RES ADDITION/ALTERATIO	EITEL, TREVOR	07/31/2024	01/27/2025	$250.00
PB24-0533	9638 LEVI DR	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/31/2024	03/26/2025	$125.00
PB24-0534	9540 TANNIS RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	07/31/2024	03/26/2025	$125.00
PB24-0535	84 DILDINE RD	RES NEW CONSTRUCTION	MUELLER, DANIEL	07/31/2024	01/27/2025	$737.00
PB24-0536	1018 LAKEVIEW DR	RES ACCESSORY	ZYLSTRA CONSTRUCTION	07/31/2024	02/16/2025	$164.00
PB24-0537	7661 KNOX RD	COMM NEW CONSTUCTION	DURRANT BROTHERS CONST	07/31/2024	02/16/2025	$2,302.00
PB24-0538	4021 LYONS RD	FOUNDATION ONLY	HODGE, RANDY L & MICHELL	07/31/2024	02/03/2025	$125.00
PB24-0539	6970 OSTRUM RD	RES ADDITION/ALTERATIO	LIFETIME ROOFING	07/31/2024	02/08/2025	$125.00
PB24-0540	3386 W GRAND RIVER	COMM NEW CONSTUCTION	COPPERROCK CONSTRUCTIO	08/01/2024	01/28/2025	$30,527.00
PB24-0541	107 BRICKER ST	RES ACCESSORY	WHITE, DUANE	08/01/2024	02/10/2025	$201.00
PB24-0542	10150 LOOKING GLASS RD	RES ACCESSORY	FEDEWA, DENNIS	08/01/2024	02/19/2025	$243.00
PB24-0543	7643 BARR RD	RES ACCESSORY	TAG BUILDING & REMODELI	08/05/2024	03/05/2025	$243.00
PB24-0544	8407 HOGAN RD	RES HUD ON PRIVATE	HOGAN MICHAEL T. & SUSAN	08/05/2024	02/12/2025	$200.00
PB24-0545	1279 BIANCA LN	RES NEW CONSTRUCTION	BIELLA HOMES LLC	08/05/2024	02/24/2025	$1,093.00
PB24-0546	904 N BRIDGE ST	RES ADDITION/ALTERATIO	FOUNDATION SYSTEMS OF M	08/07/2024	03/05/2025	$125.00
PB24-0547	1459 BIANCA LN	RES NEW CONSTRUCTION	BIELLA HOMES LLC	08/05/2024	02/24/2025	$940.00
PB24-0548	10190 W GRAND RIVER AVE	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	08/05/2024	03/02/2025	$125.00
PB24-0549	10876 W GRAND RIVER AVE	RES ADDITION/ALTERATIO	PRIORITY ROOFING LLC	08/06/2024	03/26/2025	$125.00
PB24-0550	5972 W BLUEWATER HWY	RES MI APPROVED MOD HO	WHORLEY, MICHAEL	08/06/2024	03/16/2025	$200.00
PB24-0551	7375 INGALLS RD	RES ADDITION/ALTERATIO	VAN SPRANGE, JAMES	08/06/2024	03/22/2025	$125.00
PB24-0552	11 PARSONAGE ST	RES ADDITION/ALTERATIO	NUGENT BUILDERS	08/06/2024	03/10/2025	$214.00
PB24-0553	9458 HIDDENWOOD LN	RES ACCESSORY	WARD, MICHAEL J & CYNTHI	08/06/2024	02/10/2025	$520.00
PB24-0554	2872 N HUBBARDSTON RD	COMM ADDITION/ALTERATI	MID-AMERICA SOLAR	08/08/2024	02/04/2025	$1,500.00
PB24-0555	9360 W RIVERSIDE DR	RES ACCESSORY	BENEDICT, MICHAEL	08/06/2024	02/15/2025	$125.00
PB24-0556	10885 SAYLES RD	RES ADDITION/ALTERATIO	ADAM L INGRAHAM CONSTR	08/06/2024	03/29/2025	$244.00
PB24-0557	204 N BRIDGE ST	RES ADDITION/ALTERATIO	BROKAW, CYNTHIA	08/06/2024	03/05/2025	$125.00
PB24-0558	9584 SHILTON RD	RES MI APPROVED MOD HO	PIERCEFIELD, JOHN & CYNT	08/06/2024	03/22/2025	$512.00
PB24-0559	14630 BLISS RD	RES ACCESSORY	ATWELL, KALEB	08/07/2024	02/24/2025	$335.00
PB24-0560	11240 SAYLES RD	RES ADDITION/ALTERATIO	HADDIX, GAY MARIE	08/07/2024	03/26/2025	$125.00
PB24-0561	1133 YEOMANS ST LOT 189	FOUNDATION ONLY	J. FLIER CONCRETE	08/07/2024	02/24/2025	$125.00
PB24-0562	1133 YEOMANS ST LOT 190	FOUNDATION ONLY	J. FLIER CONCRETE	08/07/2024	02/24/2025	$125.00
PB24-0563	1133 YEOMANS ST LOT 203	FOUNDATION ONLY	J. FLIER CONCRETE	08/07/2024	03/01/2025	$125.00
PB24-0564	1133 YEOMANS ST LOT 257	FOUNDATION ONLY	J. FLIER CONCRETE	08/07/2024	02/24/2025	$125.00
PB24-0565	1133 YEOMANS ST LOT 191	FOUNDATION ONLY	J. FLIER CONCRETE	08/07/2024	03/01/2025	$125.00
PB24-0566	1133 YEOMANS ST LOT 210	FOUNDATION ONLY	J. FLIER CONCRETE	08/07/2024	03/02/2025	$125.00
PB24-0570	7204 E GRAND RIVER AVE LOT	RES NEW HUD HOME	DALTON & ZICK BUILDERS	08/08/2024	02/04/2025	$200.00
PB24-0571	7204 E GRAND RIVER AVE LOT	RES NEW HUD HOME	DALTON & ZICK BUILDERS	08/08/2024	02/04/2025	$200.00
PB24-0575	7407 WESTBROOK RD	COMM NEW CONSTUCTION	VERIZON WIRELESS	08/14/2024	02/10/2025	$125.00

PB24-0576	533 ROOSEVELT AVE	RES ADDITION/ALTERATIO	SMOLYANOV HOME IMPROV	08/09/2024	02/05/2025	$125.00
PB24-0577	6288 DAUSMAN PARK	RES ADDITION/ALTERATIO	RBC CONSTRUCTION CONTR	08/09/2024	03/26/2025	$125.00
PB24-0578	6238 DAUSMAN PARK	RES ADDITION/ALTERATIO	RBC CONSTRUCTION CONTR	08/09/2024	02/05/2025	$125.00
PB24-0579	1401 JORDAN LAKE ST	COMMERCIAL ACCESSORY	JOHNSON SIGN COMPANY IN	08/09/2024	02/24/2025	$125.00
PB24-0580	388 S STRONG RD	COMM ADDITION/ALTERATI	MASTEC NETWORK SOLUTIO	09/03/2024	03/02/2025	$125.00
PB24-0581	561 W TUPPER LAKE RD	RES ADDITION/ALTERATIO	LIFETIME ROOFING	08/13/2024	02/12/2025	$125.00
PB24-0582	345 E MAIN ST	RES ADDITION/ALTERATIO	DH CONSTRUCTION	08/14/2024	03/05/2025	$290.00
PB24-0583	764 W DAVID HWY	RES ACCESSORY	ALSUP, STEVEN E & CATHY L	08/14/2024	03/05/2025	$167.00
PB24-0584	368 N STATE ST	RES ACCESSORY	GREEN SHIELD HOME LLC	08/14/2024	03/26/2025	$125.00
PB24-0585	14718 WILLOWBROOK DR	RES ADDITION/ALTERATIO	QUALITY POLE BUILDING	08/14/2024	02/24/2025	$125.00
PB24-0586	6668 SHORELINE CT	RES ADDITION/ALTERATIO	ARMORED ROOFING & CONS	08/14/2024	02/10/2025	$125.00
PB24-0587	6342 LAKESHORE DR	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	08/14/2024	02/16/2025	$125.00
PB24-0588	360 E TUTTLE RD LOT 91	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	08/14/2024	02/22/2025	$125.00
PB24-0589	360 E TUTTLE RD LOT 226	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	08/14/2024	02/22/2025	$125.00
PB24-0590	360 E TUTTLE RD LOT 140	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	08/14/2024	02/22/2025	$125.00
PB24-0591	614 UNION ST	RES ADDITION/ALTERATIO	SUMMIT POINT ROOFING, LL	08/22/2024	02/18/2025	$125.00
PB24-0592	839 4TH AVE	RES ADDITION/ALTERATIO	TIP TOP CUSTOMS	08/16/2024	03/15/2025	$125.00
PB24-0593	6821 PARADISE PARK	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	08/16/2024	03/26/2025	$125.00
PB24-0594	8166 MORRISON LAKE GDNS	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	08/16/2024	03/26/2025	$125.00
PB24-0595	8095 TUCKER RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	08/16/2024	03/26/2025	$125.00
PB24-0596	9589 TANNIS RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	08/16/2024	02/19/2025	$125.00
PB24-0597	13187 WELLFARE RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	08/16/2024	02/12/2025	$125.00
PB24-0598	197 W NORTH ST	RES NEW CONSTRUCTION	JOHNSON DIVERSIFIED LLC	08/19/2024	03/26/2025	$1,171.00
PB24-0599	1142 LAKEVIEW DR	RES ADDITION/ALTERATIO	BRUNETTE HOME IMPROVEM	08/20/2024	02/16/2025	$125.00
PB24-0600	5877 W GOODEMOOT RD	RES ADDITION/ALTERATIO	MITCHELL, FRANK	08/19/2024	02/15/2025	$62.50
PB24-0601	2726 BONANZA RD	RES ADDITION/ALTERATIO	LIFESTYLE EXTERIORS LLC	08/28/2024	03/24/2025	$125.00
PB24-0602	8736 DANBY TRL	RES ACCESSORY	42 PARALLEL CONSTRUCTION	08/20/2024	02/16/2025	$134.00
PB24-0603	104 VIZSLA PT	RES ADDITION/ALTERATIO	PICTURE PERFECT BUILDERS	08/20/2024	03/05/2025	$179.00
PB24-0604	7204 E GRAND RIVER AVE LOT	RES ADDITION/ALTERATIO	JERRY SHINE MARTIN BUILD	08/20/2024	03/24/2025	$125.00
PB24-0605	723 5TH AVE	RES ADDITION/ALTERATIO	JAMES, ANDREW L & ALLEN, J	08/20/2024	02/16/2025	$62.50
PB24-0606	4090 JACKSON RD	RES ACCESSORY	42 PARALLEL CONSTRUCTION	08/20/2024	02/16/2025	$184.00
PB24-0607	1615 TUPPER LAKE ST LOT 12	DEMOLITION	MCM MI CONSTRUCTION LLC	08/29/2024	02/25/2025	$125.00
PB24-0608	2341 POTTERS RD	RES ADDITION/ALTERATIO	ERIE CONSTRUCTION MID-W	08/20/2024	02/16/2025	$125.00
PB24-0609	422 LEVAC DR	RES ADDITION/ALTERATIO	COUNTRY BOY BUILDERS	08/21/2024	02/17/2025	$125.00
PB24-0610	3926 LOCUST DR	RES NEW HUD HOME	WOOD, JIM	08/21/2024	03/05/2025	$200.00
PB24-0611	1401 E RIVERSIDE DR	RES ADDITION/ALTERATIO	LILLY CONSTRUCTION	08/21/2024	03/01/2025	$125.00
PB24-0612	953 SKYVIEW TRL	RES NEW CONSTRUCTION	ALLEN EDWIN HOME BUILDE	08/22/2024	03/26/2025	$861.00
PB24-0613	810 SKYVIEW TRL	RES ADDITION/ALTERATIO	AYERS BASEMENT SYSTEMS	08/26/2024	03/22/2025	$125.00
PB24-0614	618 LOUISA ST	RES ADDITION/ALTERATIO	DEAN BARKER PROPERTIES L	08/22/2024	03/10/2025	$125.00
PB24-0615	510 CROOKS AVE	RES ADDITION/ALTERATIO	HANSONS WINDOWS	08/22/2024	02/18/2025	$125.00

PB24-0616	997 HACKETT ST	RES ADDITION/ALTERATIO	HANSONS WINDOWS	08/22/2024	03/26/2025	$125.00
PB24-0617	330 LOVELL ST	COMM ADDITION/ALTERATI	MOORE AND SONS ROOFING	08/22/2024	02/18/2025	$125.00
PB24-0618	7206 PEDDLER LAKE RD	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	08/22/2024	02/18/2025	$125.00
PB24-0619	9605 LEVI DR	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	08/22/2024	03/26/2025	$125.00
PB24-0620	1744 KINGSTON RD	RES ACCESSORY	HEFT, ADAM	08/23/2024	02/19/2025	$452.00
PB24-0621	8482 SUNSET DR	RES ADDITION/ALTERATIO	ELITE RESULTS LLC	09/03/2024	03/02/2025	$125.00
PB24-0622	3 PARSONAGE ST	DEMOLITION	ROCKWALL, PATRICK & ALAI	08/26/2024	02/22/2025	$125.00
PB24-0623	8084 ABBEY RD	COMM NEW CONSTUCTION	SANDBORN BUILDERS	08/26/2024	02/22/2025	$1,420.00
PB24-0624	825 MORGAN DR	RES NEW CONSTRUCTION	MARK KOOLE	08/26/2024	03/10/2025	$722.00
PB24-0625	455 6TH AVE	RES ADDITION/ALTERATIO	SUMMIT POINT ROOFING, LL	09/10/2024	03/09/2025	$125.00
PB24-0626	215 E CONGRESS ST	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	08/26/2024	03/22/2025	$125.00
PB24-0627	10463 BELDING RD	COMM ADDITION/ALTERATI	ASHLEY BAPTIST CHURCH	08/27/2024	02/23/2025	$250.00
PB24-0628	7645 BARR RD	RES ACCESSORY	DURRANT BROTHERS CONST	08/27/2024	02/23/2025	$452.00
PB24-0629	3353 SUNFIELD HWY	RES ADDITION/ALTERATIO	KEN SHERWOOD	08/28/2024	03/22/2025	$188.00
PB24-0630	7235 JORDAN LAKE RD	COMM NEW CONSTUCTION	JON WOODS	08/28/2024	03/22/2025	$3,224.00
PB24-0631	1117 EMERSON ST	COMM NEW CONSTUCTION	ALL CALL RESTORATION	08/28/2024	03/02/2025	$925.00
PB24-0632	13525 GODDARD RD	RES ACCESSORY	FIGEL,LAWANDA	08/28/2024	03/22/2025	$180.00
PB24-0633	621 W RIVERSIDE DR	RES ADDITION/ALTERATIO	LIFETIME ROOFING	08/28/2024	03/10/2025	$125.00
PB24-0634	4266 N JOHNSON RD	RES ACCESSORY	TUTTLE, FLOYD & CARISA M	08/28/2024	03/26/2025	$125.00
PB24-0635	640 S BELLAMY RD	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	08/28/2024	02/24/2025	$125.00
PB24-0636	14974 SUNFIELD HWY	RES ADDITION/ALTERATIO	ALL CALL RESTORATION	08/29/2024	02/25/2025	$250.00
PB24-0637	635 N JACKSON ST	RES ADDITION/ALTERATIO	AVALON BUILDING CONCEP	08/29/2024	03/16/2025	$125.00
PB24-0638	8041 W RIVERSIDE DR	RES ADDITION/ALTERATIO	FOUNDATION SYSTEMS OF M	09/09/2024	03/08/2025	$125.00
PB24-0639	2096 S HAWLEY HWY	COMMERCIAL ACCESSORY	MID-AMERICA SOLAR	09/03/2024	03/02/2025	$750.00
PB24-0641	7571 STONE RD	COMM ADDITION/ALTERATI	VERIZON WIRELESS	09/03/2024	03/02/2025	$125.00
PB24-0642	730 2ND AVE	RES ADDITION/ALTERATIO	SUMPTER SOLAR SERVICES	09/03/2024	03/02/2025	$125.00
PB24-0643	461 4TH AVE	RES ADDITION/ALTERATIO	GARCIA, JOSE	09/03/2024	03/26/2025	$125.00
PB24-0644	6847 WILDWOOD PARK	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	09/03/2024	03/10/2025	$125.00
PB24-0645	6715 PARADISE PARK	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	09/03/2024	03/05/2025	$125.00
PB24-0646	9632 LEVI DR	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	09/03/2024	03/05/2025	$125.00
PB24-0647	797 HAYSMER RD	RES NEW CONSTRUCTION	EAGLE CREEK HOMES LLC	09/03/2024	03/29/2025	$1,006.00
PB24-0648	8198 MORRISON LAKE GDNS	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	09/03/2024	03/10/2025	$125.00
PB24-0649	6374 DAUSMAN PARK	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	09/03/2024	03/02/2025	$125.00
PB24-0650	7040 PENN CT	RES NEW CONSTRUCTION	LANCE DEYOUNG BUILDING	09/03/2024	03/24/2025	$725.00
PB24-0651	715 W LINCOLN AVE	DEMOLITION	PURKEY, MARK LLC	09/03/2024	03/02/2025	$125.00
PB24-0652	841 WATER ST	RES ADDITION/ALTERATIO	1-800 HANSONS	09/03/2024	03/02/2025	$125.00
PB24-0653	9576 TANNIS RD	RES ADDITION/ALTERATIO	SHERRIFF-GOSLIN	09/04/2024	03/03/2025	$125.00
PB24-0654	9324 SHIMANO DR	RES NEW CONSTRUCTION	LANCE DEYOUNG BUILDING	09/04/2024	03/24/2025	$672.00
PB24-0655	1331 W RIVERSIDE DR	DEMOLITION	SHULTS, RICK	09/04/2024	03/03/2025	$125.00
PB24-0656	9425 MURPHY RD	RES ACCESSORY	SCHMITZ, JAMES	09/05/2024	03/04/2025	$976.00

PB24-0657	5116 W BLUEWATER HWY	RES NEW CONSTRUCTION	COULIERS CONSTRUCTION L	09/05/2024	03/04/2025	$683.00
PB24-0658	316 N BRIDGE ST	RES ADDITION/ALTERATIO	OSTRANDER SIDING & ROOFI	09/10/2024	03/24/2025	$125.00
PB24-0659	5043 N WHITES BRIDGE RD	COMM ADDITION/ALTERATI	AFFORDABLE PROPERTY MAI	09/06/2024	03/25/2025	$187.50
PB24-0660	734 HARRISON AVE	RES ACCESSORY	HUHN, KEN	09/06/2024	03/16/2025	$335.00
PB24-0661	2096 N STATE RD LOT 104	RES NEW HUD HOME	CEREAL CITY INVESTMENTS I	09/10/2024	03/09/2025	$200.00
PB24-0662	702 WATER ST	RES ADDITION/ALTERATIO	AYERS BASEMENT SYSTEMS	09/18/2024	03/17/2025	$125.00
PB24-0663	614 LIBHART ST	RES ACCESSORY	FEDEWA, LARRY M & DIANE	09/06/2024	03/05/2025	$187.50
PB24-0664	9636 VANBUREN RD	RES ADDITION/ALTERATIO	DESIGNS BY AMY	09/06/2024	03/26/2025	$125.00
PB24-0665	347 PETERSON RD	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	09/06/2024	03/05/2025	$125.00
PB24-0666	252 N YATES ST	RES ADDITION/ALTERATIO	MARTIN, JANE M & KENNETH	09/09/2024	03/08/2025	$151.00
PB24-0667	4499 W GOODEMOOT RD	RES ACCESSORY	FOURTH DIMENSION CONST	09/09/2024	03/15/2025	$170.00
PB24-0668	8719 ARCHER DR	RES ACCESSORY	WOLBERS POSSEHN POOLS P	09/09/2024	03/22/2025	$100.00
PB24-0669	442 JONES ST	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	09/09/2024	03/08/2025	$125.00
PB24-0670	282 MILL ST	RES ADDITION/ALTERATIO	BLIZZARD, MIKE	09/10/2024	03/09/2025	$125.00
PB24-0671	433 JERMYN ST	RES ACCESSORY	GODWIN, ANDREW & MICHE	09/10/2024	03/24/2025	$62.50
PB24-0672	11327 WARE RD	RES ACCESSORY	DETWEILERS CONSTRUCTIO	09/10/2024	03/09/2025	$301.00
PB24-0673	11207 FISK RD	RES ADDITION/ALTERATIO	BRECHTING, KYLE	09/10/2024	03/09/2025	$564.00
PB24-0674	5121 KYSER RD	RES ADDITION/ALTERATIO	ERIE CONSTRUCTION MID-W	09/10/2024	03/09/2025	$125.00
PB24-0675	14944 LAKE POINT DR	RES ADDITION/ALTERATIO	SMOLYANOV HOME IMPROV	09/10/2024	03/09/2025	$125.00
PB24-0676	7913 LAKE CREEK DR	RES ACCESSORY	COLE GAHAN	09/11/2024	03/10/2025	$347.00
PB24-0677	1776 PRAIRIE VIEW DR	RES ACCESSORY	WOLBERS POSSEHN POOLS P	09/11/2024	03/10/2025	$100.00
PB24-0678	1311 4TH AVE	RES ADDITION/ALTERATIO	SMOLYANOV HOME IMPROV	09/11/2024	03/12/2025	$125.00
PB24-0679	138 E LYTLE ST	RES ADDITION/ALTERATIO	MR ROOF	09/12/2024	03/11/2025	$125.00
PB24-0680	7658 JACKSON RD	RES ADDITION/ALTERATIO	FOUNDATION SYSTEMS OF M	09/17/2024	03/16/2025	$125.00
PB24-0681	6440 DAUSMAN PARK	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	09/13/2024	03/12/2025	$125.00
PB24-0682	6292 SUNSET BCH	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	09/13/2024	03/16/2025	$125.00
PB24-0683	9448 BUTTON RD	RES ADDITION/ALTERATIO	HALL TERRY JAY-BARBARA J	09/13/2024	03/12/2025	$125.00
PB24-0684	454 DILDINE RD	RES ADDITION/ALTERATIO	1-800 HANSONS	09/16/2024	03/15/2025	$125.00
PB24-0685	904 S JOHNSON RD	RES NEW CONSTRUCTION	SCHMIDT BUILDERS	09/16/2024	03/24/2025	$984.00
PB24-0686	11211 NICKLEPLATE RD LOT 11	RES NEW HUD HOME	KEVIN KODAT LLC	09/17/2024	03/16/2025	$200.00
PB24-0687	1788 N BELLAMY RD	RES ADDITION/ALTERATIO	AYERS BASEMENT SYSTEMS	09/26/2024	03/25/2025	$125.00
PB24-0688	6603 GOLFSIDE CT	RES ADDITION/ALTERATIO	PRIORITY ROOFING LLC	09/16/2024	03/22/2025	$125.00
PB24-0689	4506 N JOHNSON RD	DEMOLITION	BROWN, DAVID	09/16/2024	03/22/2025	$125.00
PB24-0690	8719 ARCHER DR	RES ACCESSORY	KLAP, ED & JAMIE	09/17/2024	03/26/2025	$125.00
PB24-0691	2939 HAYES RD	FOUNDATION ONLY	FEEHAN & SON EXCAVATING	09/17/2024	03/22/2025	$125.00
PB24-0692	242 OAKWOOD CT	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	09/17/2024	03/16/2025	$125.00
PB24-0693	4851 BIG OAK DR	RES ACCESSORY	CONRAD, STEVE	09/17/2024	03/16/2025	$184.00
PB24-0694	12275 DARBY RD	RES NEW HUD HOME	HEARTH, JEFF	09/17/2024	03/16/2025	$200.00
PB24-0695	1133 YEOMANS ST LOT 189	RES NEW HUD HOME	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$200.00
PB24-0696	1133 YEOMANS ST LOT 190	RES NEW HUD HOME	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$200.00

PB24-0697	1133 YEOMANS ST LOT 203	RES NEW HUD HOME	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$200.00
PB24-0698	1133 YEOMANS ST LOT 257	RES NEW HUD HOME	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$200.00
PB24-0699	1133 YEOMANS ST LOT 191	RES NEW HUD HOME	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$200.00
PB24-0700	1133 YEOMANS ST LOT 210	RES NEW HUD HOME	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$200.00
PB24-0701	4262 BADGER RD	DEMOLITION	BRINN, ERIKA	09/18/2024	03/22/2025	$125.00
PB24-0702	8866 BREEZY PT	RES NEW CONSTRUCTION	SMITH, BRIAN	09/18/2024	03/29/2025	$858.00
PB24-0703	7426 JUDEVINE RD	RES ADDITION/ALTERATIO	TOP HOME IMPROVEMENTS	09/18/2024	03/17/2025	$125.00
PB24-0704	10579 E BLUEWATER HWY	COMM NEW CONSTUCTION	BLUE FLAME PROPANE	09/19/2024	03/18/2025	$1,000.00
PB24-0705	7836 EMERY RD	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	09/19/2024	03/18/2025	$125.00
PB24-0706	7107 CENTERLINE RD	RES ADDITION/ALTERATIO	BLUE RAVEN SOLAR LLC	09/23/2024	03/22/2025	$125.00
PB24-0707	105 E MAIN ST	COMM ADDITION/ALTERATI	LIFESTYLE EXTERIORS LLC	09/25/2024	03/24/2025	$125.00
PB24-0708	12175 AINSWORTH RD	RES ADDITION/ALTERATIO	MONTELL CONSTRUCTION	09/20/2024	03/19/2025	$125.00
PB24-0709	10400 PEWAMO RD LOT 3	RES ADDITION/ALTERATIO	PRECISION ROOFING SERVIC	09/20/2024	03/19/2025	$125.00
PB24-0710	1527 W STATE RD LOT 12	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0711	1527 W STATE RD LOT 41	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0712	1527 W STATE RD LOT 121	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0713	405 W MAIN ST	COMM ADDITION/ALTERATI	WEST MICHIGAN ROOFING	09/20/2024	03/19/2025	$125.00
PB24-0714	1527 W STATE RD LOT 109	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0715	1527 W STATE RD LOT 145	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0716	1527 W STATE RD LOT 7	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0717	1527 W STATE RD LOT 19	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0718	1527 W STATE RD LOT 43	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0719	1527 W STATE RD LOT 68	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0720	1527 W STATE RD LOT 146	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0721	1527 W STATE RD LOT 151	RES NEW HUD HOME	KR COMPANIES	09/25/2024	03/26/2025	$200.00
PB24-0722	91 BUTTERFLY CT	RES ADDITION/ALTERATIO	LEFORGE, TIM & AMY	09/23/2024	03/22/2025	$125.00
PB24-0723	4793 JACKSON RD	RES HUD ON PRIVATE	DOEZEMA REAL ESTATE LLC	09/23/2024	03/29/2025	$200.00
PB24-0724	11534 S STATE RD	RES ADDITION/ALTERATIO	ALL CALL RESTORATION	09/23/2024	03/22/2025	$187.50
PB24-0725	393 S BRIDGE ST	RES ADDITION/ALTERATIO	SMOLYANOV HOME IMPROV	09/23/2024	03/24/2025	$125.00
PB24-0726	8681 MOUNTAINMINT CIRCLE	RES ACCESSORY	SARATOGA DEVELOPMENT I	09/24/2024	03/23/2025	$232.00
PB24-0727	10556 GRAND RIVER TRL	RES ADDITION/ALTERATIO	SMOLYANOV HOME IMPROV	09/24/2024	03/23/2025	$125.00
PB24-0728	505 MAPLE ST	COMM ADDITION/ALTERATI	VALLEY CITY SIGN CO	09/25/2024	03/24/2025	$125.00
PB24-0729	5263 HOPPOUGH RD	RES ADDITION/ALTERATIO	COUNTRY BOY BUILDERS	09/25/2024	03/24/2025	$125.00
PB24-0730	2249 N WHITES BRIDGE RD	RES ADDITION/ALTERATIO	SMOLYANOV HOME IMPROV	09/25/2024	03/24/2025	$125.00
PB24-0731	8838 BREEZY PT	RES ADDITION/ALTERATIO	IRISH ROOFING & EXTERIOR	09/25/2024	03/29/2025	$125.00
PB24-0732	121 W RIVERSIDE DR	DEMOLITION	GRIEVES, MITCHELL	09/26/2024	03/25/2025	$125.00
PB24-0738	10861 STAHL RD	RES NEW CONSTRUCTION	42 PARALLEL CONSTRUCTION	09/27/2024	03/26/2025	$1,690.00
PB24-0739	4105 W PORTLAND RD	RES NEW CONSTRUCTION	FROLING, ROGER	09/27/2024	03/26/2025	$931.00
PB24-0740	723 MUSGROVE HWY	RES ACCESSORY	YOUNG, BRIAN	09/27/2024	03/26/2025	$452.00
PB24-0741	360 E TUTTLE RD LOT 132	RES ADDITION/ALTERATIO	HOME PRO EXTERIORS LLC	09/27/2024	03/26/2025	$125.00

PB24-0742	757 3RD AVE	RES ADDITION/ALTERATIO	MILLER CUSTOM BUILDING	09/30/2024	03/29/2025	$187.50
PB24-0743	6556 BELDING RD	COMMERCIAL ACCESSORY	MORTON BUILDINGS INC	09/30/2024	03/29/2025	$874.00
PB24-0744	8205 S STATE RD	RES ADDITION/ALTERATIO	SMOLYANOV HOME IMPROV	09/30/2024	03/29/2025	$125.00
PB24-0745	6748 PARADISE PARK	RES ADDITION/ALTERATIO	LIFESTYLE EXTERIORS LLC	09/30/2024	03/29/2025	$125.00
PB24-0746	10167 CHARLOTTE HWY	RES NEW CONSTRUCTION	OTTO, DANIEL J & CONNIE	09/30/2024	03/29/2025	$1,521.00
PB24-0747	5025 SCOTCH MIST DR	RES ADDITION/ALTERATIO	SERVPRO CONSTRUCTION	09/30/2024	03/29/2025	$187.50
PB24-0748	2975 E BIPPLEY RD	COMM ADDITION/ALTERATI	DURRANT BROTHERS CONST	09/30/2024	03/29/2025	$250.00
PB24-0749	7204 E GRAND RIVER AVE LOT	FOUNDATION ONLY	MOFFITT CONSTRUCTION CO	09/30/2024	03/29/2025	$125.00
PB24-0750	7204 E GRAND RIVER AVE LOT	FOUNDATION ONLY	MOFFITT CONSTRUCTION CO	09/30/2024	03/29/2025	$125.00
PB24-0751	7204 E GRAND RIVER AVE LOT	FOUNDATION ONLY	MOFFITT CONSTRUCTION CO	09/30/2024	03/29/2025	$125.00
PB24-0752	7204 E GRAND RIVER AVE LOT	FOUNDATION ONLY	MOFFITT CONSTRUCTION CO	09/30/2024	03/29/2025	$125.00
PE24-0435	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	03/25/2025	$60.00
PE24-0436	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	12/28/2024	$60.00
PE24-0437	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	12/28/2024	$60.00
PE24-0438	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	03/25/2025	$60.00
PE24-0439	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	12/28/2024	$60.00
PE24-0440	8102 CAMPBELL RD	ELECTRICAL	ATWELL, BRIAN S & CHRISTIN	07/01/2024	01/21/2025	$60.00
PE24-0441	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	12/28/2024	$60.00
PE24-0442	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	12/28/2024	$60.00
PE24-0443	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	03/25/2025	$60.00
PE24-0444	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	03/25/2025	$60.00
PE24-0445	7204 E GRAND RIVER AVE LOT	ELECTRICAL	KJ ELECTRIC	07/01/2024	03/26/2025	$60.00
PE24-0446	8325 NASH HWY	ELECTRICAL	CLACK, WILLIE J	07/01/2024	01/01/2025	$60.00
PE24-0447	2822 N HUBBARDSTON RD	ELECTRICAL	HOYLER, MARK S & BEVERLY	07/01/2024	01/26/2025	$120.00
PE24-0448	12726 CHARLOTTE HWY	ELECTRICAL	PANT, COREY	07/01/2024	01/14/2025	$60.00
PE24-0449	3867 ZAHM RD	ELECTRICAL	JZ ELECTRIC LLC	07/02/2024	01/25/2025	$120.00
PE24-0450	4013 AMAZON DR	ELECTRICAL	HERSH SERVICE CO LLC	07/08/2024	02/03/2025	$120.00
PE24-0451	1356 W RIVERSIDE DR	ELECTRICAL	BREDICE ELECTRIC LLC	07/08/2024	01/08/2025	$60.00
PE24-0452	9355 KENT ST	ELECTRICAL	D & E ELECTRIC OF PORTLAN	07/08/2024	01/12/2025	$198.00
PE24-0453	10506 BUTTON RD	ELECTRICAL	SNIPPE, JOHN & KATHY	07/08/2024	01/04/2025	$120.00
PE24-0454	4669 KIDDVILLE RD	ELECTRICAL	FOUNDATION SYSTEMS OF M	07/09/2024	01/05/2025	$60.00
PE24-0455	705 N NEW DEXTER ST	ELECTRICAL	DAVIDSON ELECTRIC	07/08/2024	01/05/2025	$60.00
PE24-0456	1547 E TUTTLE RD	ELECTRICAL	ENSIGN ELECTRICAL LLC	07/09/2024	01/08/2025	$60.00
PE24-0457	1652 KINGSTON RD	ELECTRICAL	M & H ELECTRIC	07/09/2024	02/08/2025	$120.00
PE24-0458	6199 SUNSET BCH	ELECTRICAL	FLAT RIVER ELECTRIC LLC	07/09/2024	01/05/2025	$60.00
PE24-0459	250 E TUTTLE RD	ELECTRICAL	EPS SECURITY	07/10/2024	03/02/2025	$180.00
PE24-0460	9639 W RIVERSIDE DR	ELECTRICAL	DINTAMAN, PAUL R	07/10/2024	02/24/2025	$60.00
PE24-0461	11513 IVYWOOD LANE	ELECTRICAL	MACK ELECTRIC	07/10/2024	01/19/2025	$198.00
PE24-0462	2701 W LONG LAKE RD LOT 13	ELECTRICAL	EVANS ELECTRIC	07/10/2024	01/25/2025	$120.00
PE24-0463	12536 NASH HWY	ELECTRICAL	ADVANTAGE ELECTRICAL C	07/11/2024	01/07/2025	$60.00

PE24-0464	8024 SCOTT RD	ELECTRICAL	WOJCIK, COREY	07/12/2024	02/16/2025	$60.00
PE24-0465	4258 VALLEY VISTA DR	ELECTRICAL	MICHIGAN CRITICAL POWER	07/12/2024	01/19/2025	$60.00
PE24-0466	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/15/2024	02/03/2025	$60.00
PE24-0467	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/15/2024	01/19/2025	$60.00
PE24-0468	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/15/2024	01/19/2025	$60.00
PE24-0469	360 E TUTTLE RD LOT 200	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/15/2024	01/29/2025	$60.00
PE24-0470	625 W LINCOLN ST	ELECTRICAL	ESM, LLC	07/23/2024	01/20/2025	$60.00
PE24-0471	8520 JENKS RD	ELECTRICAL	BRECHTING, STEVEN E & GAI	07/15/2024	01/25/2025	$60.00
PE24-0472	129 PLINE RD	ELECTRICAL	WESTPHALIA ELECTRIC INC	07/15/2024	01/19/2025	$120.00
PE24-0473	249 STOCKING	ELECTRICAL	ARROW ELECTRIC	07/16/2024	01/12/2025	$60.00
PE24-0474	9643 RICHMOND RD	ELECTRICAL	THE SERVICE PROFESSOR INC	07/16/2024	01/12/2025	$60.00
PE24-0475	562 DIVISION ST	ELECTRICAL	BAZEN ELECTRIC CO	07/16/2024	01/12/2025	$162.00
PE24-0476	103 S MAIN ST	ELECTRICAL	GRIESER ELECTRIC LLC	07/16/2024	02/08/2025	$145.20
PE24-0477	4857 HAWLEY HWY	ELECTRICAL	TRANN, MARTY & TINA	07/16/2024	02/11/2025	$120.00
PE24-0478	10698 PETRIE RD	ELECTRICAL	SMITH ELECTRIC	07/17/2024	02/22/2025	$198.00
PE24-0479	8085 CAMPBELL RD	ELECTRICAL	WISNIEWSKI, JAMES & HOFFM	07/17/2024	01/13/2025	$60.00
PE24-0480	8086 STEDMAN RD	ELECTRICAL	IRANI, CLAYTON	07/17/2024	01/25/2025	$60.00
PE24-0481	9027 PEAKE RD	ELECTRICAL	PRIORITY ELECTRIC LLC	07/17/2024	01/25/2025	$60.00
PE24-0482	10499 HEETHER RD	ELECTRICAL	KORRECK, JOHN & MARIAN	07/18/2024	01/18/2025	$60.00
PE24-0483	825 FARMVIEW LN	ELECTRICAL	MILLER BOUMA, PAMELA	07/18/2024	03/08/2025	$60.00
PE24-0484	825 FARMVIEW LN	ELECTRICAL	MILLER BOUMA, PAMELA	07/18/2024	01/14/2025	$60.00
PE24-0485	926 W MAIN ST	ELECTRICAL	STARR, RICHARD	07/18/2024	01/14/2025	$60.00
PE24-0486	1133 YEOMANS ST LOT 47	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/19/2024	01/29/2025	$60.00
PE24-0487	1133 YEOMANS ST LOT 76	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/19/2024	01/29/2025	$60.00
PE24-0488	11767 CUTLER RD	ELECTRICAL	PLATTE, ALISA	07/22/2024	03/22/2025	$60.00
PE24-0489	6226 DAUSMAN PARK	ELECTRICAL	BREDICE ELECTRIC LLC	07/22/2024	02/19/2025	$138.00
PE24-0490	3353 SUNFIELD HWY	ELECTRICAL	WESTPHALIA ELECTRIC INC	07/22/2024	01/21/2025	$198.00
PE24-0491	3591 S LEE RD	ELECTRICAL	TEATRO, JON	07/22/2024	03/08/2025	$258.00
PE24-0492	9622 PEDDLER LAKE RD	ELECTRICAL	TRADEMARK ELECTRIC	07/23/2024	01/20/2025	$60.00
PE24-0493	13670 KEEFER HWY	ELECTRICAL	D & E ELECTRIC OF PORTLAN	07/24/2024	02/04/2025	$198.00
PE24-0494	7723 KIMBALL RD	ELECTRICAL	THE SERVICE PROFESSOR INC	07/24/2024	01/20/2025	$60.00
PE24-0495	409 S FRONT ST	ELECTRICAL	THE SERVICE PROFESSOR INC	07/24/2024	01/20/2025	$60.00
PE24-0496	7775 SIERRA DR	ELECTRICAL	COMPLETE GENERATOR SOL	07/24/2024	01/25/2025	$60.00
PE24-0497	7774 SIERRA DR	ELECTRICAL	COMPLETE GENERATOR SOL	07/24/2024	01/25/2025	$60.00
PE24-0498	1133 YEOMANS ST LOT 50	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/24/2024	02/22/2025	$60.00
PE24-0499	1133 YEOMANS ST LOT 49	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/24/2024	01/29/2025	$60.00
PE24-0500	1133 YEOMANS ST LOT 52	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	07/24/2024	01/29/2025	$60.00
PE24-0501	5150 CLINTON TRL	ELECTRICAL	GRIESER ELECTRIC LLC	07/25/2024	01/25/2025	$138.00
PE24-0502	5166 E RIVERSIDE DR	ELECTRICAL	SHATTUCK, MARK V & MICHE	07/25/2024	02/04/2025	$60.00
PE24-0503	7297 W PECK LAKE RD	ELECTRICAL	CLORWELL ELECTRICAL CON	07/25/2024	03/10/2025	$60.00

PE24-0504	205 E WASHINGTON ST	ELECTRICAL	PREMIUM ELECTRIC LLC	07/26/2024	02/11/2025	$198.00
PE24-0505	702 WATER ST	ELECTRICAL	G & D ELECTRIC, INC	07/26/2024	02/12/2025	$60.00
PE24-0506	6023 ZAHM RD	ELECTRICAL	PAT POWERS ELECTRIC	07/29/2024	02/22/2025	$198.00
PE24-0507	45 FARM LN	ELECTRICAL	HICKEY ELECTRIC INC	07/29/2024	02/19/2025	$254.40
PE24-0508	243 S STATE ST	ELECTRICAL	WESTPHALIA ELECTRIC INC	07/29/2024	01/28/2025	$60.00
PE24-0509	208 S STEELE ST	ELECTRICAL	J. RANCK ELECTRIC, INC	07/29/2024	02/04/2025	$132.00
PE24-0510	250 JACKSON ST	ELECTRICAL	BUSH, SARAH L	07/29/2024	02/03/2025	$138.00
PE24-0511	2678 OTTAWA DR	RES NEW CONSTRUCTION	CLARK, MICHAEL D & KARIE	07/30/2024	01/26/2025	$60.00
PE24-0512	138 BELDING RD	ELECTRICAL	C & J ELECTRIC LLC	07/30/2024	01/26/2025	$60.00
PE24-0513	11766 BELDING RD	ELECTRICAL	GAGE ELECTRIC	07/30/2024	03/05/2025	$198.00
PE24-0514	1127 N STATE ST	ELECTRICAL	RODCO SERVICES LLC	07/30/2024	03/26/2025	$198.00
PE24-0515	12753 HARWOOD RD	ELECTRICAL	OSBORN ELECTRIC LLC	08/06/2024	02/04/2025	$120.00
PE24-0516	975 N LEE RD	ELECTRICAL	EITEL, TREVOR	07/31/2024	01/27/2025	$138.00
PE24-0517	6935 REGAN DR	ELECTRICAL	SULLIVAN, JODY & JACQUELI	07/31/2024	02/15/2025	$60.00
PE24-0518	8751 MEADOWRUE DR	ELECTRICAL	CUSTOM ELECTRIC INC	08/01/2024	01/28/2025	$198.00
PE24-0519	1202 JORDAN LAKE ST	ELECTRICAL	HANG, YENG & YER	08/01/2024	02/03/2025	$132.00
PE24-0520	9160 PEAKE RD	ELECTRICAL	D & E ELECTRIC OF PORTLAN	08/01/2024	02/22/2025	$60.00
PE24-0521	506 LEONARD ST	ELECTRICAL	ENSIGN ELECTRICAL LLC	08/01/2024	02/16/2025	$198.00
PE24-0522	545 APPLE TREE DR	ELECTRICAL	G & D ELECTRIC, INC	08/02/2024	02/16/2025	$165.60
PE24-0523	588 E DAVID HWY	ELECTRICAL	DYKSTRA, JACOB	08/02/2024	03/29/2025	$60.00
PE24-0524	9650 THOMPSON RD	ELECTRICAL	RANCO ELECTRIC INC	08/02/2024	02/15/2025	$380.40
PE24-0525	305 W MAIN ST	ELECTRICAL	CLORWELL ELECTRICAL CON	08/02/2024	02/03/2025	$133.20
PE24-0526	217 E ELLIS AVE	ELECTRICAL	BARRIOS ELECTRIC	08/02/2024	02/04/2025	$174.00
PE24-0527	1511 S JOHNSON RD	ELECTRICAL	COMPLETE GENERATOR SOL	08/05/2024	02/08/2025	$60.00
PE24-0528	521 CONKEY DR	ELECTRICAL	COMPLETE GENERATOR SOL	08/05/2024	02/04/2025	$60.00
PE24-0529	5972 W BLUEWATER HWY	ELECTRICAL	WHORLEY, MICHAEL	08/06/2024	02/02/2025	$60.00
PE24-0530	8642 RIVEREST DR	ELECTRICAL	D & E ELECTRIC OF PORTLAN	08/06/2024	03/22/2025	$138.00
PE24-0531	985 E MAIN ST	ELECTRICAL	G & D ELECTRIC, INC	08/06/2024	03/25/2025	$351.60
PE24-0532	11896 W BLUEWATER HWY	ELECTRICAL	FLAT RIVER ELECTRIC LLC	08/06/2024	02/15/2025	$60.00
PE24-0533	1613 S MONTCALM AVE	ELECTRICAL	THE SERVICE PROFESSOR INC	08/06/2024	03/10/2025	$60.00
PE24-0534	4704 WHEAT DR	ELECTRICAL	DOERING, IRINA & DAVID	08/07/2024	02/16/2025	$120.00
PE24-0535	7086 W PECK LAKE RD	ELECTRICAL	GRAND BAY ELECTRIC	08/12/2024	03/05/2025	$60.00
PE24-0536	387 STAGE RD	ELECTRICAL	AAB ELECTRIC LLC	08/08/2024	02/16/2025	$120.00
PE24-0538	9173 RUSH ST	ELECTRICAL	SANDERS, ED & JULIE	08/07/2024	03/16/2025	$318.00
PE24-0539	123 VANDERHEYDEN CT	ELECTRICAL	CANFIELD PLBG & HTG INC	08/09/2024	02/08/2025	$60.00
PE24-0540	1401 JORDAN LAKE ST	ELECTRICAL	JOHNSON SIGN COMPANY IN	08/09/2024	02/05/2025	$132.00
PE24-0541	3550 N STATE RD	ELECTRICAL	THE LOCKOUT CO.	08/12/2024	02/08/2025	$127.20
PE24-0542	645 HACKETT ST	ELECTRICAL	THE LOCKOUT CO.	08/12/2024	02/08/2025	$127.20
PE24-0543	435 LOU LEMKE LANE	ELECTRICAL	THE LOCKOUT CO.	08/12/2024	02/08/2025	$127.20
PE24-0544	250 E TUTTLE RD	ELECTRICAL	THE LOCKOUT CO.	08/12/2024	02/08/2025	$127.20

PE24-0545	420 JEFFERSON ST	ELECTRICAL	THE LOCKOUT CO.	08/12/2024	02/08/2025	$127.20
PE24-0546	438 UNION ST	ELECTRICAL	THE LOCKOUT CO.	08/12/2024	02/08/2025	$127.20
PE24-0547	250 E TUTTLE RD	ELECTRICAL	THE LOCKOUT CO.	08/12/2024	02/08/2025	$127.20
PE24-0548	1133 YEOMANS ST LOT 183	ELECTRICAL	COMPLETE GENERATOR SOL	08/12/2024	02/11/2025	$120.00
PE24-0549	360 E TUTTLE RD LOT 15	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	08/13/2024	02/16/2025	$60.00
PE24-0550	360 E TUTTLE RD LOT 209	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	08/13/2024	02/16/2025	$60.00
PE24-0551	360 E TUTTLE RD LOT 118	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	08/13/2024	02/15/2025	$60.00
PE24-0552	4793 JACKSON RD	ELECTRICAL	DOEZEMA REAL ESTATE LLC	08/13/2024	03/02/2025	$60.00
PE24-0553	266 W TUTTLE	ELECTRICAL	ION ELECTRIC SERVICE LLC	08/14/2024	02/18/2025	$151.20
PE24-0554	601 HAYNOR RD	ELECTRICAL	CLORWELL ELECTRICAL CON	08/15/2024	02/16/2025	$60.00
PE24-0555	5251 MARVIE DR	ELECTRICAL	SGI HEATING & COOLING	08/16/2024	02/12/2025	$60.00
PE24-0556	10524 OKEMOS RD	ELECTRICAL	CAMPBELL,JEFFREY	08/16/2024	02/12/2025	$60.00
PE24-0557	OTISCO TWP - SEC #4	ELECTRICAL	M.J. ELECTRIC, LLC	08/16/2024	03/05/2025	$138.00
PE24-0558	3929 MEADE RD	ELECTRICAL	HERNANDEZ, DANA L & WIR	08/16/2024	02/22/2025	$60.00
PE24-0559	5087 PALMER RD	ELECTRICAL	ENSIGN ELECTRICAL LLC	08/16/2024	02/15/2025	$60.00
PE24-0560	2100 HARWOOD RD	ELECTRICAL	JOHNSON, HELGE JR	08/19/2024	03/25/2025	$60.00
PE24-0561	1416 YEOMANS ST	ELECTRICAL	BUSSELL, SHIRLEY	08/19/2024	02/15/2025	$60.00
PE24-0562	1225 S WHITES BRIDGE RD	ELECTRICAL	ORGANEK, BRIAN & HEATHE	08/20/2024	02/16/2025	$60.00
PE24-0563	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	08/20/2024	02/22/2025	$60.00
PE24-0564	55 W TUPPER LAKE RD	ELECTRICAL	THE SERVICE PROFESSOR INC	08/20/2024	02/16/2025	$60.00
PE24-0565	7318 CEDAR RIDGE DR	ELECTRICAL	D & E ELECTRIC OF PORTLAN	08/20/2024	03/22/2025	$198.00
PE24-0566	240 CHURCH ST	ELECTRICAL	KLEYN ELECTRIC INC	08/20/2024	02/16/2025	$60.00
PE24-0567	1349 BELDING RD	ELECTRICAL	WEAVER, CURTIS A	08/20/2024	02/16/2025	$138.00
PE24-0570	3926 LOCUST DR	ELECTRICAL	WOOD, JIM	08/21/2024	02/17/2025	$60.00
PE24-0571	522 E STATE RD	ELECTRICAL	VANOCKER, DALE J. & MARIA	08/22/2024	02/23/2025	$60.00
PE24-0572	156 W FERNEY ST	ELECTRICAL	GRAND BAY ELECTRIC	08/22/2024	03/24/2025	$60.00
PE24-0573	11492 HILL VIEW DR	ELECTRICAL	FLAT RIVER ELECTRIC LLC	08/23/2024	03/24/2025	$258.00
PE24-0574	4270 E RIVERSIDE DR	ELECTRICAL	THE SERVICE PROFESSOR INC	08/23/2024	03/25/2025	$60.00
PE24-0575	1326 BONANZA RD	ELECTRICAL	CONSOLIDATED ELECTRICAL	08/23/2024	02/22/2025	$60.00
PE24-0576	8482 SUNSET DR	ELECTRICAL	KOGLIN, MATTHEW	09/03/2024	03/02/2025	$60.00
PE24-0577	221 DYE ST	ELECTRICAL	G & D ELECTRIC, INC	08/23/2024	02/22/2025	$60.00
PE24-0578	2010 S JOHNSON RD	ELECTRICAL	G & D ELECTRIC, INC	08/23/2024	02/22/2025	$60.00
PE24-0579	570 E STATE ST	ELECTRICAL	PRUIM ELECTRIC INC	08/26/2024	03/05/2025	$198.00
PE24-0580	9773 MARBLE PINES DR	ELECTRICAL	VAN SINGEL ELECTRIC INC	08/27/2024	03/15/2025	$198.00
PE24-0581	1202 JORDAN LAKE ST	ELECTRICAL	GELDER, KENNETH	08/27/2024	03/02/2025	$138.00
PE24-0582	542 IONIA ST	ELECTRICAL	BUCK, JERRY & LEIGH	08/27/2024	03/12/2025	$258.00
PE24-0583	8127 JUDEVINE RD	ELECTRICAL	MARTIN, ERNEST	08/28/2024	03/02/2025	$60.00
PE24-0584	8075 MAC ARTHUR RD	ELECTRICAL	RUSSELL, STEPHEN	08/28/2024	02/24/2025	$138.00
PE24-0585	520 MORSE ST	ELECTRICAL	BREDICE ELECTRIC LLC	08/29/2024	03/05/2025	$60.00
PE24-0587	730 2ND AVE	ELECTRICAL	YORK, JUSTIN	09/03/2024	03/02/2025	$60.00

PE24-0588	8407 HOGAN RD	ELECTRICAL	WESTPHALIA ELECTRIC INC	09/03/2024	03/08/2025	$198.00
PE24-0589	550 HALL ST	ELECTRICAL	APCOM ELECTRIC AND POWE	09/03/2024	03/02/2025	$60.00
PE24-0590	5624 CHARLES RD	ELECTRICAL	POWERUP ELECTRIC SERVICE	09/04/2024	03/08/2025	$60.00
PE24-0591	1202 YEOMANS ST	ELECTRICAL	CHRISTENSEN, STEVE	09/04/2024	03/10/2025	$60.00
PE24-0592	7651 FRIEND RD	ELECTRICAL	CHERRY VALLEY ELECTRIC I	09/04/2024	03/03/2025	$138.00
PE24-0593	324 E ELLIS AVE	ELECTRICAL	ENSIGN ELECTRICAL LLC	09/04/2024	03/05/2025	$60.00
PE24-0594	274 W MAIN	ELECTRICAL	ESM, LLC	09/04/2024	03/12/2025	$132.00
PE24-0595	315 N DEXTER ST	ELECTRICAL	APONTE ELECTRIC	09/05/2024	03/08/2025	$198.00
PE24-0596	7407 WESTBROOK RD	ELECTRICAL	SPECTRUM CONSTRUCTION S	09/05/2024	03/29/2025	$144.00
PE24-0597	603 W ADAMS ST	ELECTRICAL	DUITS, JAROD	09/09/2024	03/08/2025	$132.00
PE24-0598	252 N YATES ST	ELECTRICAL	MARTIN, JANE M & KENNETH	09/09/2024	03/08/2025	$138.00
PE24-0599	2204 HAYNOR RD	ELECTRICAL	GOETZ, TRAVIS	09/09/2024	03/08/2025	$60.00
PE24-0600	7044 CANFIELD RD	ELECTRICAL	WHITE, DUANE	09/10/2024	03/10/2025	$60.00
PE24-0601	7837 FRIEND RD	ELECTRICAL	SPRUNGER, PATRICK	09/10/2024	03/09/2025	$60.00
PE24-0602	11207 FISK RD	ELECTRICAL	BRECHTING, KYLE	09/10/2024	03/09/2025	$138.00
PE24-0603	11306 MCCRUMB RD	ELECTRICAL	RWS ELECTRIC	09/11/2024	03/26/2025	$60.00
PE24-0604	116 HIGH ST	ELECTRICAL	BREDICE ELECTRIC LLC	09/11/2024	03/12/2025	$120.00
PE24-0605	5624 CHARLES RD	ELECTRICAL	BYRNE, SHAWN	09/12/2024	03/11/2025	$120.00
PE24-0606	132 WILSON LN	ELECTRICAL	GRAND BAY ELECTRIC	09/12/2024	03/11/2025	$120.00
PE24-0607	2847 HILLCREST DR	ELECTRICAL	GRAND BAY ELECTRIC	09/12/2024	03/29/2025	$60.00
PE24-0608	203 S PLEASANT ST	ELECTRICAL	G & D ELECTRIC, INC	09/12/2024	03/11/2025	$158.40
PE24-0609	6544 E TUPPER LAKE RD	ELECTRICAL	STRUBLE, DANIEL & CHERI	09/13/2024	03/26/2025	$60.00
PE24-0610	331 N ELIZABETH ST	ELECTRICAL	G & D ELECTRIC, INC	09/16/2024	03/15/2025	$145.20
PE24-0611	7350 GREGORY RD	ELECTRICAL	PRIORITY ELECTRIC LLC	09/16/2024	03/15/2025	$60.00
PE24-0612	1821 HAYNOR RD	ELECTRICAL	HICKEY ELECTRIC INC	09/16/2024	03/15/2025	$60.00
PE24-0613	4725 E TUPPER LAKE RD	ELECTRICAL	PRIORITY ELECTRIC LLC	09/16/2024	03/15/2025	$60.00
PE24-0614	6168 OSTRUM RD	ELECTRICAL	THE SERVICE PROFESSOR INC	09/16/2024	03/15/2025	$60.00
PE24-0615	9549 BLACK OAK DR	ELECTRICAL	NETHKEN, JERRY	09/17/2024	03/22/2025	$120.00
PE24-0616	8822 BREEZY POINT	ELECTRICAL	OSBORN ELECTRIC LLC	09/17/2024	03/24/2025	$198.00
PE24-0617	5192 EMILEE DR	ELECTRICAL	HICKEY ELECTRIC INC	09/17/2024	03/16/2025	$138.00
PE24-0618	3100 BONANZA RD	ELECTRICAL	BUIST ELECTRIC, INC	09/17/2024	03/16/2025	$134.40
PE24-0619	10018 E GRAND RIVER AVE	ELECTRICAL	TRADEMARK ELECTRIC	09/17/2024	03/29/2025	$198.00
PE24-0620	2841 BONANZA RD	ELECTRICAL	BACH ELECTRIC	09/24/2024	03/25/2025	$198.00
PE24-0621	300 SUMMIT ST	ELECTRICAL	CLORWELL ELECTRICAL CON	09/17/2024	03/24/2025	$146.40
PE24-0622	1133 YEOMANS ST LOT 189	ELECTRICAL	VAN KEMPEN ELECTRIC INC	09/17/2024	03/16/2025	$60.00
PE24-0623	1133 YEOMANS ST LOT 190	ELECTRICAL	VAN KEMPEN ELECTRIC INC	09/17/2024	03/16/2025	$60.00
PE24-0624	1133 YEOMANS ST LOT 203	ELECTRICAL	VAN KEMPEN ELECTRIC INC	09/17/2024	03/16/2025	$60.00
PE24-0625	1133 YEOMANS ST LOT 257	ELECTRICAL	VAN KEMPEN ELECTRIC INC	09/17/2024	03/16/2025	$60.00
PE24-0626	1133 YEOMANS ST LOT 191	ELECTRICAL	VAN KEMPEN ELECTRIC INC	09/17/2024	03/16/2025	$60.00
PE24-0627	1133 YEOMANS ST LOT 210	ELECTRICAL	VAN KEMPEN ELECTRIC INC	09/17/2024	03/16/2025	$60.00

PE24-0628	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PE24-0629	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PE24-0630	1409 JORDAN LAKE ST	ELECTRICAL	MACK ELECTRIC & IT SOLUTI	09/18/2024	03/17/2025	$218.40
PE24-0631	616 CRAWFORD ST	ELECTRICAL	COMPLETE GENERATOR SOL	09/18/2024	03/24/2025	$60.00
PE24-0632	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PE24-0633	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PE24-0634	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PE24-0635	1133 YEOMANS ST LOT 158	ELECTRICAL	ENSIGN ELECTRICAL LLC	09/18/2024	03/19/2025	$60.00
PE24-0636	10660 CUTLER RD	ELECTRICAL	F D HAYES ELECTRIC CO	09/19/2024	03/24/2025	$60.00
PE24-0637	2908 HUDDLE RD	ELECTRICAL	HICKEY ELECTRIC INC	09/19/2024	03/26/2025	$138.00
PE24-0638	983 SKYVIEW TRL	ELECTRICAL	CONSOLIDATED ELECTRICAL	09/19/2024	03/18/2025	$198.00
PE24-0639	7107 CENTERLINE RD	ELECTRICAL	BLUE RAVEN SOLAR LLC	09/23/2024	03/22/2025	$60.00
PE24-0640	7204 E GRAND RIVER AVE LOT	ELECTRICAL	CAPITOL SUPPLY & SERVICE I	09/20/2024	03/19/2025	$60.00
PE24-0641	3700 MIRIAM RD	ELECTRICAL	ENSIGN ELECTRICAL LLC	09/23/2024	03/24/2025	$120.00
PE24-0642	10740 E GRAND RIVER AVE	ELECTRICAL	D & E ELECTRIC OF PORTLAN	09/23/2024	03/22/2025	$60.00
PE24-0643	1018 LAKEVIEW DR	ELECTRICAL	GRIESER ELECTRIC LLC	09/23/2024	03/26/2025	$60.00
PE24-0644	1117 EMERSON ST	ELECTRICAL	GRIESER ELECTRIC LLC	09/23/2024	03/22/2025	$187.20
PE24-0645	960 WHITETAIL CT	ELECTRICAL	CONSOLIDATED ELECTRICAL	09/23/2024	03/22/2025	$198.00
PE24-0646	953 SKYVIEW TRL	ELECTRICAL	CONSOLIDATED ELECTRICAL	09/23/2024	03/22/2025	$198.00
PE24-0647	973 SKYVIEW TRL	ELECTRICAL	CONSOLIDATED ELECTRICAL	09/23/2024	03/22/2025	$198.00
PE24-0648	8408 KRUPP RD	ELECTRICAL	G & D ELECTRIC, INC	09/23/2024	03/25/2025	$60.00
PE24-0649	291 CHURCH ST	ELECTRICAL	SERVICE PROFESSOR	09/23/2024	03/22/2025	$60.00
PE24-0650	142 MILL ST	ELECTRICAL	SERVICE PROFESSOR	09/23/2024	03/22/2025	$60.00
PE24-0651	8515 PEDDLER LAKE RD	ELECTRICAL	MORGAN ELECTRICAL SERVI	09/23/2024	03/29/2025	$60.00
PE24-0652	8924 CHICORY LN	ELECTRICAL	COMPLETE GENERATOR SOL	09/24/2024	03/23/2025	$60.00
PE24-0653	4750 FLAT RIVER TRL	ELECTRICAL	COMPLETE GENERATOR SOL	09/24/2024	03/24/2025	$60.00
PE24-0654	8719 ARCHER DR	ELECTRICAL	KLAP, ED & JAMIE	09/25/2024	03/24/2025	$120.00
PE24-0655	2951 BONANZA RD	ELECTRICAL	SHARP, BRUCE	09/25/2024	03/24/2025	$60.00
PE24-0656	821 E WASHINGTON ST	ELECTRICAL	BREDICE ELECTRIC LLC	09/25/2024	03/24/2025	$60.00
PE24-0657	1788 N BELLAMY RD	ELECTRICAL	BREDICE ELECTRIC LLC	09/25/2024	03/24/2025	$60.00
PE24-0658	723 MUSGROVE HWY	ELECTRICAL	YOUNG, BRIAN	09/27/2024	03/26/2025	$60.00
PE24-0659	412 NICHOLSON ST	ELECTRICAL	ROYS, JACOB & DESTINY	09/27/2024	03/26/2025	$60.00
PE24-0660	8631 HIDDEN TRL	ELECTRICAL	G & D ELECTRIC, INC	09/27/2024	03/26/2025	$60.00
PE24-0661	963 SKYVIEW TRL	ELECTRICAL	CONSOLIDATED ELECTRICAL	09/30/2024	03/29/2025	$198.00
PE24-0662	89 PARSONAGE ST	ELECTRICAL	G & D ELECTRIC, INC	09/30/2024	03/29/2025	$60.00
PE24-0663	5301 FLANNIGAN RD	ELECTRICAL	WINDEMULLER ELECTRIC IN	09/30/2024	03/29/2025	$60.00
PE24-0664	1962 KEEFER HWY	ELECTRICAL	D & E ELECTRIC OF PORTLAN	09/30/2024	03/29/2025	$198.00
PE24-0665	7449 CEDAR RIDGE DR	ELECTRICAL	D & E ELECTRIC OF PORTLAN	09/30/2024	03/29/2025	$138.00
PE24-0666	12632 CLINTONIA RD	ELECTRICAL	RICKERT ELECTRIC INC	09/30/2024	03/29/2025	$198.00
PM24-0397	14981 NASH HWY	MECHANICAL	AIRE SERV OF MICHIGAN	07/18/2024	01/22/2025	$60.00

PM24-0407	9355 KENT ST	MECHANICAL	THE 517 HEATING COMPANY	07/01/2024	01/15/2025	$138.00
PM24-0408	528 BROOKS ST	MECHANICAL	ENERGY EFFICIENCY RESOU	07/01/2024	12/28/2024	$60.00
PM24-0409	970 WHITETAIL CT	MECHANICAL	A-1 MECHANICAL OF MICH LL	07/01/2024	03/05/2025	$198.00
PM24-0410	11716 VEDDER RD	MECHANICAL	SERVICE PROFESSOR	07/01/2024	12/28/2024	$60.00
PM24-0411	1845 MIRIAM RD	MECHANICAL	CHERRY VALLEY STOVE AND	07/01/2024	01/11/2025	$60.00
PM24-0412	6444 STRUBLE RD	MECHANICAL	HOMEWORKS TRI-COUNTY P	07/01/2024	01/05/2025	$60.00
PM24-0413	7297 W PECK LAKE RD	MECHANICAL	CRYSTAL FLASH/GRAND RAPI	07/01/2024	01/22/2025	$60.00
PM24-0414	5796 VISING DR	MECHANICAL	CRYSTAL FLASH/GRAND RAPI	07/01/2024	01/15/2025	$60.00
PM24-0415	827 6TH AVE	MECHANICAL	AIRE SERV OF MICHIGAN	07/08/2024	01/22/2025	$60.00
PM24-0416	5165 KYSER RD	MECHANICAL	AIRE SERV OF MICHIGAN	07/08/2024	01/14/2025	$60.00
PM24-0417	323 WOODS RD	MECHANICAL	AIRE SERV OF MICHIGAN	07/08/2024	03/05/2025	$60.00
PM24-0418	5865 W BLUEWATER HWY	MECHANICAL	DEPENDABLE LP GAS COMPA	07/08/2024	01/25/2025	$60.00
PM24-0419	4441 LYONS RD	MECHANICAL	POHL OIL COMPANY INC	07/08/2024	02/24/2025	$60.00
PM24-0420	8980 ASHLEY LN	MECHANICAL	THE SERVICE PROFESSOR INC	07/09/2024	01/05/2025	$60.00
PM24-0421	1315 JOHNSON ST	MECHANICAL	THE SERVICE PROFESSOR INC	07/09/2024	01/05/2025	$60.00
PM24-0422	1239 W STATE RD	MECHANICAL	BELDING 24-7 EXPRESS CAR	07/10/2024	01/08/2025	$145.00
PM24-0423	10811 POTTERS RD	MECHANICAL	BUILDERS FIREPLACE CO LLC	07/10/2024	01/15/2025	$120.00
PM24-0424	705 N NEW DEXTER ST	MECHANICAL	VREDWOOD HTG & CLG	07/12/2024	01/08/2025	$60.00
PM24-0425	9808 VANBUREN RD	MECHANICAL	POHL OIL COMPANY INC	07/12/2024	01/08/2025	$60.00
PM24-0426	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/15/2024	01/15/2025	$60.00
PM24-0427	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/15/2024	01/15/2025	$60.00
PM24-0428	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/15/2024	01/15/2025	$60.00
PM24-0429	360 E TUTTLE RD LOT 200	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/15/2024	01/29/2025	$60.00
PM24-0430	7172 OSTRUM RD	MECHANICAL	CRAIG STEVENS HEATING	07/15/2024	02/16/2025	$60.00
PM24-0431	1133 YEOMANS LOT 140	MECHANICAL	PEAK HEATING AND COOLIN	07/16/2024	01/12/2025	$60.00
PM24-0432	9643 RICHMOND RD	MECHANICAL	THE SERVICE PROFESSOR INC	07/16/2024	01/12/2025	$60.00
PM24-0433	454 DILDINE RD	MECHANICAL	THE SERVICE PROFESSOR INC	07/16/2024	01/12/2025	$60.00
PM24-0434	1021 CAITLIN DR	MECHANICAL	SUNRISE HEATING & PLUMBI	07/16/2024	01/15/2025	$198.00
PM24-0435	351 CHURCH ST	MECHANICAL	SUNRISE HEATING & PLUMBI	07/19/2024	01/22/2025	$198.00
PM24-0436	4258 VALLEY VISTA DR	MECHANICAL	DEPENDABLE LP GAS COMPA	07/19/2024	01/25/2025	$60.00
PM24-0437	1133 YEOMANS ST LOT 47	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/19/2024	01/29/2025	$60.00
PM24-0438	1133 YEOMANS ST LOT 76	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/19/2024	01/29/2025	$60.00
PM24-0439	801 LINCOLN AVE	MECHANICAL	WELTON'S INC	07/19/2024	01/15/2025	$180.00
PM24-0440	2260 N STATE RD	MECHANICAL	COOPER MECHANICAL LLC	07/19/2024	02/24/2025	$282.00
PM24-0441	902 YORK	MECHANICAL	OGLE HEATING & COOLING	07/19/2024	01/18/2025	$198.00
PM24-0442	11767 CUTLER RD	MECHANICAL	PLATTE, ALISA	07/22/2024	01/18/2025	$60.00
PM24-0443	5125 SCOTCH MIST DR	MECHANICAL	ESI HEATING	07/22/2024	02/08/2025	$60.00
PM24-0444	4094 GRAND RIVER TRL	MECHANICAL	ESI HEATING	07/22/2024	02/19/2025	$198.00
PM24-0445	8751 MEADOWRUE DR	MECHANICAL	MARK WOODMAN PLUMBING	07/22/2024	01/18/2025	$198.00
PM24-0446	5150 CLINTON TRL	MECHANICAL	FRONTIER HEATING & COOL	07/22/2024	01/22/2025	$138.00

PM24-0447	5818 CULPEPPER CT	MECHANICAL	CORRIGAN PROPANE LLC	07/22/2024	01/18/2025	$60.00
PM24-0448	10141 CHARLOTTE HWY	MECHANICAL	GARY'S HEATING SERVICE IN	07/22/2024	01/21/2025	$60.00
PM24-0449	45 FARM LN	MECHANICAL	GALE PLUMBING & HYDRONI	07/22/2024	03/26/2025	$126.00
PM24-0450	975 N LEE RD	MECHANICAL	CRYSTAL FLASH/GRAND RAPI	07/23/2024	01/19/2025	$60.00
PM24-0451	6174 DAUSMAN PARK	MECHANICAL	AMS HEATING & COOLING	07/23/2024	02/03/2025	$60.00
PM24-0452	13670 KEEFER HWY	MECHANICAL	AMS HEATING & COOLING	07/23/2024	01/22/2025	$198.00
PM24-0453	170 E RIVERSIDE DR	MECHANICAL	O'MARA PLBG HTG & COOLIN	07/23/2024	01/22/2025	$192.00
PM24-0454	2750 S STATE RD	MECHANICAL	HURST MECHANICAL	07/29/2024	01/25/2025	$1,866.00
PM24-0455	8009 MEADOW LANE DR	MECHANICAL	THE SERVICE PROFESSOR INC	07/24/2024	01/20/2025	$60.00
PM24-0456	283 W FERNEY ST	MECHANICAL	CANFIELD PLBG & HTG INC	07/24/2024	02/12/2025	$60.00
PM24-0457	409 S FRONT ST	MECHANICAL	THE SERVICE PROFESSOR INC	07/24/2024	01/20/2025	$60.00
PM24-0458	6734 GOULD RD	MECHANICAL	CANFIELD PLBG & HTG INC	07/24/2024	01/20/2025	$60.00
PM24-0459	4156 JACKSON RD	MECHANICAL	CANFIELD PLBG & HTG INC	07/24/2024	01/29/2025	$60.00
PM24-0460	8685 MAC ARTHUR RD	MECHANICAL	CANFIELD PLBG & HTG INC	07/24/2024	02/08/2025	$60.00
PM24-0461	1133 6TH AVE	MECHANICAL	CANFIELD PLBG & HTG INC	07/24/2024	01/29/2025	$60.00
PM24-0462	1133 YEOMANS ST LOT 50	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/24/2024	02/22/2025	$60.00
PM24-0463	1133 YEOMANS ST LOT 49	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/24/2024	01/29/2025	$60.00
PM24-0464	1133 YEOMANS ST LOT 52	MECHANICAL	CAPITOL SUPPLY & SERVICE I	07/24/2024	01/29/2025	$60.00
PM24-0465	7309 BRIGHTON CT	MECHANICAL	RESOURCE HEATING SOLUTI	07/25/2024	01/25/2025	$252.00
PM24-0466	667 DIVISION ST	MECHANICAL	AIRE SERV OF MICHIGAN	07/26/2024	02/12/2025	$60.00
PM24-0467	4956 DEER HAVEN PARK DR	MECHANICAL	CROMIE MECHANICAL INC	07/26/2024	02/04/2025	$60.00
PM24-0468	8955 COTTONWOOD CREEK DR	MECHANICAL	THE 517 HEATING COMPANY	07/26/2024	02/08/2025	$120.00
PM24-0469	1725 KELLOGG RD	MECHANICAL	EXCEL PROPANE CO	07/29/2024	01/25/2025	$60.00
PM24-0470	9687 BUTLER RD	MECHANICAL	ABSOLUTE HEATING & VENT	07/29/2024	02/04/2025	$60.00
PM24-0471	9210 MAC ARTHUR RD	ELECTRICAL	GRAPIDS HEATING	07/29/2024	01/25/2025	$60.00
PM24-0472	2392 KEEFER HWY	MECHANICAL	VANDERWALL BROTHERS	07/29/2024	03/25/2025	$120.00
PM24-0473	310 CLEVELAND ST	MECHANICAL	GURNEE MECHANICAL	07/29/2024	02/24/2025	$212.00
PM24-0474	305 W MAIN ST # 307	MECHANICAL	GURNEE MECHANICAL	07/29/2024	01/25/2025	$192.00
PM24-0475	1243 W LINCOLN AVE	MECHANICAL	GURNEE MECHANICAL	07/29/2024	01/25/2025	$192.00
PM24-0476	5796 VISING DR	MECHANICAL	CRYSTAL FLASH/GRAND RAPI	07/29/2024	02/03/2025	$60.00
PM24-0477	1294 BUGBEE RD	MECHANICAL	ALTO LP GAS COMPANY INC	07/29/2024	01/25/2025	$60.00
PM24-0478	10834 NASH HWY	MECHANICAL	CRYSTAL FLASH/GRAND RAPI	07/29/2024	02/03/2025	$60.00
PM24-0479	2678 OTTAWA DR	MECHANICAL	CLARK, MICHAEL D & KARIE	07/30/2024	01/26/2025	$60.00
PM24-0480	1127 N STATE ST	MECHANICAL	RODCO SERVICES LLC	07/30/2024	01/26/2025	$138.00
PM24-0481	7297 W PECK LAKE RD	MECHANICAL	CANDOR MECHANICAL LLC	07/30/2024	02/08/2025	$60.00
PM24-0482	975 N LEE RD	MECHANICAL	EITEL, TREVOR	07/31/2024	03/26/2025	$138.00
PM24-0483	7775 SIERRA DR	MECHANICAL	CRAIG STEVENS HEATING	07/31/2024	02/16/2025	$60.00
PM24-0484	7774 SIERRA DR	MECHANICAL	CRAIG STEVENS HEATING	07/31/2024	01/27/2025	$60.00
PM24-0485	7763 SIERRA DR	MECHANICAL	A-1 MECHANICAL OF MICH LL	07/31/2024	02/08/2025	$198.00
PM24-0486	7876 SIERRA DR	MECHANICAL	A-1 MECHANICAL OF MICH LL	07/31/2024	02/04/2025	$198.00

PM24-0487	205 WELL ACCESS DR	MECHANICAL	MY-3-SONS HEATING & COOL	07/31/2024	01/27/2025	$126.00
PM24-0488	12632 CLINTONIA RD	MECHANICAL	AMS HEATING & COOLING	08/12/2024	02/08/2025	$198.00
PM24-0489	7952 N JOHNSON RD	MECHANICAL	EXCEL PROPANE CO	08/01/2024	01/28/2025	$60.00
PM24-0490	347 N DEXTER ST	MECHANICAL	RHODES, PAUL	08/05/2024	02/01/2025	$192.00
PM24-0491	415 E DIVISION ST	MECHANICAL	VREDEVOOGD HTG & COOLI	08/05/2024	03/22/2025	$60.00
PM24-0492	8751 MEADOWRUE DR	MECHANICAL	WILLIAMS DISTRIBUTING CO	08/05/2024	02/01/2025	$120.00
PM24-0493	11513 IVYWOOD LANE	MECHANICAL	WILLIAMS DISTRIBUTING CO	08/05/2024	02/15/2025	$120.00
PM24-0494	4287 LYONS RD	MECHANICAL	CRAFT CHIMNEY SWEEPS	08/05/2024	03/05/2025	$60.00
PM24-0495	10885 SAYLES RD	MECHANICAL	CROSBY, CHAD A & MARY K	08/06/2024	02/02/2025	$60.00
PM24-0496	5677 W CLARKSVILLE RD	MECHANICAL	CRYSTAL FLASH/GRAND RAPI	08/06/2024	02/12/2025	$60.00
PM24-0497	1613 S MONTCALM AVE	MECHANICAL	THE SERVICE PROFESSOR INC	08/06/2024	03/22/2025	$60.00
PM24-0498	3314 CHARLES RD	MECHANICAL	THE SERVICE PROFESSOR INC	08/06/2024	03/22/2025	$60.00
PM24-0499	249 STOCKING	MECHANICAL	PARKER-ARNTZ PLMB & HTG	08/06/2024	02/10/2025	$60.00
PM24-0500	8102 CAMPBELL RD	MECHANICAL	ALTO LP GAS COMPANY INC	08/07/2024	02/04/2025	$60.00
PM24-0504	7204 E GRAND RIVER AVE LOT	MECHANICAL	DALTON & ZICK BUILDERS	08/08/2024	03/01/2025	$60.00
PM24-0505	7204 E GRAND RIVER AVE LOT	MECHANICAL	DALTON & ZICK BUILDERS	08/08/2024	03/01/2025	$60.00
PM24-0506	7204 E GRAND RIVER AVE LOT	MECHANICAL	DALTON & ZICK BUILDERS	09/18/2024	03/17/2025	$60.00
PM24-0509	2010 S JOHNSON RD	MECHANICAL	AIRE SERV OF MICHIGAN	08/12/2024	02/16/2025	$60.00
PM24-0510	634 W LINCOLN AVE	MECHANICAL	GODWIN PLUMBING INC	08/12/2024	02/22/2025	$60.00
PM24-0511	360 E TUTTLE RD LOT 15	MECHANICAL	CAPITOL SUPPLY & SERVICE I	08/13/2024	02/15/2025	$60.00
PM24-0512	360 E TUTTLE RD LOT 209	MECHANICAL	CAPITOL SUPPLY & SERVICE I	08/13/2024	02/15/2025	$60.00
PM24-0513	360 E TUTTLE RD LOT 118	MECHANICAL	CAPITOL SUPPLY & SERVICE I	08/13/2024	02/15/2025	$60.00
PM24-0514	1511 S JOHNSON RD	MECHANICAL	ALTO LP GAS COMPANY INC	08/13/2024	02/10/2025	$60.00
PM24-0515	6125 STEDMAN RD	MECHANICAL	AIRE SERV OF MICHIGAN	08/13/2024	03/22/2025	$60.00
PM24-0516	1409 JORDAN LAKE ST	MECHANICAL	WELTON'S INC	08/14/2024	02/22/2025	$192.00
PM24-0517	250 E WASHINGTON ST	MECHANICAL	THE SERVICE PROFESSOR INC	08/14/2024	03/05/2025	$60.00
PM24-0518	7204 E GRAND RIVER AVE LOT	MECHANICAL	THE SERVICE PROFESSOR INC	08/14/2024	02/10/2025	$60.00
PM24-0519	1511 S JOHNSON RD	MECHANICAL	CRAIG STEVENS HEATING	08/14/2024	02/10/2025	$60.00
PM24-0520	4013 AMAZON DR	MECHANICAL	ALTO LP GAS COMPANY INC	08/14/2024	03/22/2025	$60.00
PM24-0521	5648 VISING DR	MECHANICAL	EXCEL PROPANE CO	08/14/2024	02/10/2025	$60.00
PM24-0522	10698 PETRIE RD	MECHANICAL	SPARTAN MECHANICAL	08/15/2024	02/16/2025	$198.00
PM24-0523	7897 SIERRA DR	MECHANICAL	A-1 MECHANICAL OF MICH LL	08/15/2024	02/16/2025	$198.00
PM24-0524	1215 LIBERTY ST	MECHANICAL	A-1 MECHANICAL OF MICH LL	08/15/2024	02/19/2025	$198.00
PM24-0525	5251 MARVIE DR	MECHANICAL	SGI HEATING & COOLING	08/16/2024	03/05/2025	$60.00
PM24-0526	749 E MAIN ST	MECHANICAL	P & H HEATING AND COOLIN	08/16/2024	02/12/2025	$60.00
PM24-0527	8555 MAC ARTHUR RD	MECHANICAL	EXCEL PROPANE CO	08/16/2024	02/12/2025	$60.00
PM24-0528	723 MUSGROVE HWY	MECHANICAL	HOMEWORKS TRI-COUNTY P	08/19/2024	02/15/2025	$60.00
PM24-0529	1193 LIBERTY ST	MECHANICAL	A-1 MECHANICAL OF MICH LL	08/19/2024	02/22/2025	$198.00
PM24-0530	221 DYE ST	MECHANICAL	AIRE SERV OF MICHIGAN	08/20/2024	02/22/2025	$60.00
PM24-0531	9224 HASTINGS RD	MECHANICAL	VREDEVOOGD HTG & COOLI	08/19/2024	02/22/2025	$60.00

PM24-0532	240 CHURCH ST	MECHANICAL	GRAPIDS HEATING	08/19/2024	02/15/2025	$60.00
PM24-0533	7661 KNOX RD	MECHANICAL	ESI HEATING	08/22/2024	03/15/2025	$312.00
PM24-0534	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	08/20/2024	02/22/2025	$60.00
PM24-0535	620 N JACKSON ST	MECHANICAL	THE SERVICE PROFESSOR INC	08/20/2024	02/16/2025	$60.00
PM24-0536	25 BARKER RD	MECHANICAL	HOMEWORKS TRI-COUNTY P	08/20/2024	02/22/2025	$60.00
PM24-0537	7919 SIERRA DR	MECHANICAL	A-1 MECHANICAL OF MICH LL	08/20/2024	03/01/2025	$198.00
PM24-0538	2715 W LONG LAKE RD	MECHANICAL	P & H HEATING AND COOLIN	08/21/2024	02/22/2025	$60.00
PM24-0539	3039 COMMERCE LN	MECHANICAL	PAUL RHODES	08/21/2024	02/17/2025	$264.00
PM24-0540	8491 RIVEREST DR	MECHANICAL	ESI HEATING	08/21/2024	02/17/2025	$198.00
PM24-0541	930 SKYVIEW TRL	MECHANICAL	A-1 MECHANICAL OF MICH LL	08/22/2024	03/05/2025	$198.00
PM24-0542	7943 SIERRA DR	MECHANICAL	A-1 MECHANICAL OF MICH LL	08/22/2024	03/05/2025	$198.00
PM24-0543	6023 ZAHM RD	MECHANICAL	PHILO HVAC LLC	08/22/2024	02/22/2025	$198.00
PM24-0544	1326 BONANZA RD	MECHANICAL	GARY'S HEATING SERVICE IN	08/22/2024	02/18/2025	$60.00
PM24-0545	4270 E RIVERSIDE DR	MECHANICAL	THE SERVICE PROFESSOR INC	08/23/2024	03/25/2025	$60.00
PM24-0546	1133 YEOMANS ST LOT 160	MECHANICAL	THE SERVICE PROFESSOR INC	08/23/2024	02/19/2025	$60.00
PM24-0547	1566 ODLAND WAY	MECHANICAL	O'MARA PLBG HTG & COOLIN	08/23/2024	02/19/2025	$198.00
PM24-0548	11766 BELDING RD	MECHANICAL	NUEST, JOHN & KIMBERLY	08/26/2024	03/08/2025	$198.00
PM24-0549	1133 YEOMANS ST LOT 183	MECHANICAL	CRAIG STEVENS HEATING	08/26/2024	02/22/2025	$60.00
PM24-0550	8822 BREEZY POINT	MECHANICAL	A-1 MECHANICAL OF MICH LL	08/26/2024	03/26/2025	$198.00
PM24-0551	8645 SAVANNAH DR	MECHANICAL	DEPENDABLE LP GAS COMPA	08/26/2024	03/01/2025	$60.00
PM24-0552	8794 ARCHER DR	MECHANICAL	DOTY MECHANICAL INC	08/27/2024	02/24/2025	$198.00
PM24-0553	6103 BELDING RD	MECHANICAL	CRYSTAL FLASH/GRAND RAPI	08/27/2024	02/24/2025	$60.00
PM24-0554	7698 PARSONAGE RD	MECHANICAL	LITTLE, TIMOTHY	08/29/2024	02/25/2025	$60.00
PM24-0555	749 E MAIN ST	MECHANICAL	P & H HEATING AND COOLIN	08/29/2024	02/25/2025	$60.00
PM24-0556	8205 S STATE RD	MECHANICAL	ABSOLUTE HEATING & VENT	08/29/2024	03/19/2025	$60.00
PM24-0557	8024 SCOTT RD	MECHANICAL	ALTO LP GAS COMPANY INC	08/30/2024	02/26/2025	$60.00
PM24-0558	4857 HAWLEY HWY	MECHANICAL	BOROFF MECHANICAL	09/03/2024	03/25/2025	$189.00
PM24-0559	5586 W CLARKSVILLE RD	MECHANICAL	CRAIG STEVENS HEATING	09/03/2024	03/02/2025	$60.00
PM24-0560	4521 KYSER RD	MECHANICAL	PEAK HEATING AND COOLIN	09/03/2024	03/02/2025	$60.00
PM24-0561	5486 PALMER RD	MECHANICAL	THE SERVICE PROFESSOR INC	09/03/2024	03/02/2025	$60.00
PM24-0562	9300 W PECK LAKE RD	MECHANICAL	CANFIELD PLBG & HTG INC	09/03/2024	03/02/2025	$60.00
PM24-0563	6950 W GOODEMOOT RD	MECHANICAL	CANFIELD PLBG & HTG INC	09/03/2024	03/02/2025	$60.00
PM24-0564	11492 HILL VIEW DR	MECHANICAL	ABSOLUTE HEATING & VENT	09/03/2024	03/25/2025	$198.00
PM24-0565	550 HALL ST	MECHANICAL	APCOM ELECTRIC AND POWE	09/03/2024	03/02/2025	$60.00
PM24-0566	9173 RUSH ST	MECHANICAL	JSJ	09/04/2024	03/08/2025	$138.00
PM24-0567	11896 W BLUEWATER HWY	MECHANICAL	MY-3-SONS HEATING & COOL	09/05/2024	03/08/2025	$60.00
PM24-0568	4295 LYONS RD	MECHANICAL	CRAFT CHIMNEY SWEEPS	09/06/2024	03/05/2025	$60.00
PM24-0569	2096 N STATE RD LOT 104	MECHANICAL	CEREAL CITY INVESTMENTS I	09/10/2024	03/09/2025	$60.00
PM24-0570	2908 HUDDLE RD	MECHANICAL	THE 517 HEATING COMPANY	09/06/2024	03/25/2025	$60.00
PM24-0571	3298 E TUTTLE RD	MECHANICAL	CORRIGAN PROPANE LLC	09/06/2024	03/15/2025	$60.00

PM24-0572	797 HAYSMER RD	MECHANICAL	BEL-AIRE HEATING & AIR/CO	09/06/2024	03/05/2025	$198.00
PM24-0573	703 6TH AVE	MECHANICAL	AIRE SERV OF MICHIGAN	09/09/2024	03/08/2025	$60.00
PM24-0574	2873 BONANZA RD	MECHANICAL	EXCEL PROPANE CO	09/10/2024	03/09/2025	$60.00
PM24-0575	8052 E TUPPER LAKE RD	MECHANICAL	APPLEGATE HOME COMFORT	09/10/2024	03/09/2025	$60.00
PM24-0576	14218 BECKER RD	MECHANICAL	HOMEWORKS TRI-COUNTY P	09/10/2024	03/12/2025	$60.00
PM24-0577	11207 FISK RD	MECHANICAL	BRECHTING, KYLE	09/10/2024	03/09/2025	$60.00
PM24-0578	7086 W PECK LAKE RD	MECHANICAL	ALTO LP GAS COMPANY INC	09/11/2024	03/15/2025	$60.00
PM24-0579	5116 W BLUEWATER HWY	MECHANICAL	COMFORTAL LLC	09/11/2024	03/22/2025	$198.00
PM24-0580	8480 RIVEREST DR	MECHANICAL	H & S MECHANICAL LLC	09/13/2024	03/12/2025	$60.00
PM24-0581	889 N WASHINGTON RD	MECHANICAL	GAS PRODUCTION COMPANY	09/13/2024	03/12/2025	$60.00
PM24-0582	557 E PROSPECT ST	MECHANICAL	PARKER-ARNTZ PLMB & HTG	09/13/2024	03/12/2025	$156.00
PM24-0583	8555 WOODLAND DR	MECHANICAL	H2OASIS INC	09/16/2024	03/15/2025	$60.00
PM24-0584	6168 OSTRUM RD	MECHANICAL	THE SERVICE PROFESSOR INC	09/16/2024	03/15/2025	$60.00
PM24-0585	797 HAYSMER RD	MECHANICAL	WILLIAMS DISTRIBUTING CO	09/17/2024	03/16/2025	$120.00
PM24-0586	1133 YEOMANS ST LOT 189	MECHANICAL	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PM24-0587	1133 YEOMANS ST LOT 190	MECHANICAL	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PM24-0588	1133 YEOMANS ST LOT 203	MECHANICAL	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PM24-0589	1133 YEOMANS ST LOT 257	MECHANICAL	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PM24-0590	1133 YEOMANS ST LOT 191	MECHANICAL	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PM24-0591	1133 YEOMANS ST LOT 210	MECHANICAL	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PM24-0592	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PM24-0593	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PM24-0594	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PM24-0595	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PM24-0596	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	09/18/2024	03/17/2025	$60.00
PM24-0597	11652 W GRAND RIVER AVE	MECHANICAL	PARAMOUNT HEATING & CO	09/19/2024	03/26/2025	$270.00
PM24-0598	8822 BREEZY POINT	MECHANICAL	AMERICAN PLUMBING CONT	09/19/2024	03/18/2025	$198.00
PM24-0599	869 E LINCOLN AVE	MECHANICAL	ARMOCK MECHANICAL CONT	09/19/2024	03/18/2025	$264.00
PM24-0600	7204 E GRAND RIVER AVE LOT	MECHANICAL	CAPITOL SUPPLY & SERVICE I	09/20/2024	03/19/2025	$60.00
PM24-0601	1527 W STATE RD LOT 12	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0602	1527 W STATE RD LOT 41	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0603	1527 W STATE RD LOT 121	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0604	1527 W STATE RD LOT 109	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0605	1527 W STATE RD LOT 145	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0606	1527 W STATE RD LOT 7	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0607	1527 W STATE RD LOT 19	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0608	1527 W STATE RD LOT 43	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0609	1527 W STATE RD LOT 68	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0610	1527 W STATE RD LOT 146	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PM24-0611	1527 W STATE RD LOT 151	MECHANICAL	KR COMPANIES	09/25/2024	03/24/2025	$60.00

PM24-0612	2574 E RIVERSIDE DR	MECHANICAL	AIRE SERV OF MICHIGAN	09/23/2024	03/22/2025	$60.00
PM24-0613	839 QUARRY RD	MECHANICAL	AIRE SERV OF MICHIGAN	09/23/2024	03/22/2025	$60.00
PM24-0614	4094 GRAND RIVER TRL	MECHANICAL	HOMEWORKS TRI-COUNTY P	09/23/2024	03/26/2025	$60.00
PM24-0615	4857 HAWLEY HWY	MECHANICAL	BLUE FLAME PROPANE	09/25/2024	03/24/2025	$60.00
PM24-0616	542 IONIA ST	MECHANICAL	OAK RIDGE HEATING & COO	09/25/2024	03/24/2025	$198.00
PM24-0617	8719 ARCHER DR	MECHANICAL	KLAP, ED & JAMIE	09/25/2024	03/24/2025	$60.00
PM24-0618	825 FARMVIEW LN	MECHANICAL	WILSON HEATING AND PLUM	09/26/2024	03/31/2025	$60.00
PM24-0621	3353 SUNFIELD HWY	MECHANICAL	FABER MECHANICAL	09/26/2024	03/25/2025	$138.00
PM24-0624	10018 E GRAND RIVER AVE	MECHANICAL	AMS HEATING & COOLING	09/27/2024	03/26/2025	$138.00
PM24-0625	7204 E GRAND RIVER AVE LOT	MECHANICAL	THE SERVICE PROFESSOR INC	09/27/2024	03/26/2025	$60.00
PM24-0626	14907 WILLOWBROOK DR	MECHANICAL	WELTON'S INC	09/30/2024	03/29/2025	$60.00
PM24-0627	10565 BELL RD	MECHANICAL	GRAPIDS HEATING	09/30/2024	03/29/2025	$60.00
PM24-0628	13576 S STATE RD	MECHANICAL	C & N HEATING & COOLING	09/30/2024	03/29/2025	$198.00
PM24-0629	2574 E RIVERSIDE DR	MECHANICAL	ALTO LP GAS COMPANY INC	09/30/2024	03/29/2025	$60.00
PM24-0630	825 FARMVIEW LN	MECHANICAL	EXCEL PROPANE CO	09/30/2024	03/29/2025	$60.00
PM24-0631	11492 HILL VIEW DR	MECHANICAL	ALTO LP GAS COMPANY INC	09/30/2024	03/29/2025	$60.00
PM24-0632	6023 ZAHM RD	MECHANICAL	CRYSTAL FLASH/GRAND RAPI	09/30/2024	03/29/2025	$60.00
PM24-0633	570 E STATE ST	MECHANICAL	J & K HEATING INC	09/30/2024	03/29/2025	$198.00
PP24-0190	8102 CAMPBELL RD	PLUMBING	ATWELL, BRIAN S & CHRISTIN	07/01/2024	01/01/2025	$60.00
PP24-0191	1900 YOUNGS RD	PLUMBING	SERVICE PROFESSOR	07/01/2024	12/28/2024	$60.00
PP24-0192	10506 BUTTON RD	PLUMBING	SNIPPE, JOHN & KATHY	07/08/2024	01/11/2025	$198.00
PP24-0193	4669 KIDDVILLE RD	PLUMBING	FOUNDATION SYSTEMS OF M	07/09/2024	01/05/2025	$60.00
PP24-0194	8024 SCOTT RD	PLUMBING	WOJCIK, COREY	07/12/2024	01/08/2025	$60.00
PP24-0195	417 BROAS ST	PLUMBING	BUDGET PLUMBING	07/12/2024	01/12/2025	$60.00
PP24-0196	902 YORK	PLUMBING	ANYTHING PLUMBING ANYTI	07/12/2024	01/12/2025	$198.00
PP24-0197	250 JACKSON ST	PLUMBING	PINE PLUMBING	07/15/2024	03/26/2025	$198.00
PP24-0198	10698 PETRIE RD	PLUMBING	BARTLETT PLUMBING & HEA	07/15/2024	02/19/2025	$198.00
PP24-0199	4857 HAWLEY HWY	PLUMBING	TRANN, MARTY & TINA	07/16/2024	02/12/2025	$60.00
PP24-0200	825 FARMVIEW LN	PLUMBING	MILLER BOUMA, PAMELA	07/18/2024	01/14/2025	$60.00
PP24-0201	351 CHURCH ST	PLUMBING	SUNRISE HEATING & PLUMBI	07/19/2024	01/22/2025	$198.00
PP24-0202	501 IONIA ST	PLUMBING	GRAPIDS HEATING & COOLI	07/19/2024	01/22/2025	$60.00
PP24-0203	11767 CUTLER RD	PLUMBING	PLATTE, ALISA	07/22/2024	01/18/2025	$60.00
PP24-0204	103 S MAIN ST	PLUMBING	SHEELY PLUMBING INC	07/22/2024	02/12/2025	$165.60
PP24-0205	8751 MEADOWRUE DR	PLUMBING	MARK WOODMAN PLUMBING	07/22/2024	02/25/2025	$198.00
PP24-0206	45 FARM LN	PLUMBING	GALE PLUMBING & HYDRONI	07/22/2024	02/19/2025	$195.60
PP24-0207	12632 CLINTONIA RD	PLUMBING	HOPPES PLBG LLC	07/23/2024	03/26/2025	$198.00
PP24-0208	296 E MAPLE ST	PLUMBING	WILSON HEATING AND PLUM	07/23/2024	02/05/2025	$330.00
PP24-0209	46 DEWITT ST	PLUMBING	NEWTON,MICHAEL	07/24/2024	03/19/2025	$198.00
PP24-0210	2678 OTTAWA DR	PLUMBING	CLARK, MICHAEL D & KARIE	07/30/2024	01/26/2025	$60.00
PP24-0211	5150 CLINTON TRL	PLUMBING	SMITH, BRETT & TABITHA	07/30/2024	02/04/2025	$138.00

PP24-0212	1127 N STATE ST	PLUMBING	RODCO SERVICES LLC	07/30/2024	01/29/2025	$198.00
PP24-0213	975 N LEE RD	PLUMBING	EITEL, TREVOR	07/31/2024	01/27/2025	$138.00
PP24-0214	2930 WELCH RD	PLUMBING	MAAS PLUMBING CONSTRUC	08/02/2024	02/19/2025	$201.60
PP24-0215	3441 W BRICKER RD	PLUMBING	THE SERVICE PROFESSOR INC	08/02/2024	03/15/2025	$60.00
PP24-0216	403 S PLEASANT ST	PLUMBING	THE SERVICE PROFESSOR INC	08/02/2024	01/29/2025	$60.00
PP24-0217	904 N BRIDGE ST	PLUMBING	FOUNDATION SYSTEMS OF M	08/07/2024	03/22/2025	$60.00
PP24-0218	11946 E TUPPER LAKE RD	PLUMBING	BATHWORKS INC	08/05/2024	02/01/2025	$198.00
PP24-0219	8691 MOUNTAINMINT CIRCLE	PLUMBING	C & K PLUMBING INC	08/05/2024	02/05/2025	$198.00
PP24-0220	2841 BONANZA RD	PLUMBING	C & K PLUMBING INC	08/05/2024	02/05/2025	$198.00
PP24-0221	5972 W BLUEWATER HWY	PLUMBING	WHORLEY, MICHAEL	08/06/2024	02/02/2025	$60.00
PP24-0222	62 E TUTTLE RD	PLUMBING	PLEUNE SERVICE CO	08/06/2024	02/02/2025	$126.00
PP24-0226	7204 E GRAND RIVER AVE LOT	PLUMBING	DALTON & ZICK BUILDERS	08/08/2024	03/18/2025	$60.00
PP24-0227	7204 E GRAND RIVER AVE LOT	PLUMBING	DALTON & ZICK BUILDERS	08/08/2024	03/18/2025	$60.00
PP24-0228	7204 E GRAND RIVER AVE LOT	PLUMBING	DALTON & ZICK BUILDERS	09/18/2024	03/17/2025	$60.00
PP24-0231	724 WILLIAMS ST	PLUMBING	WEST SHORE HOME LLC	08/09/2024	02/05/2025	$60.00
PP24-0232	8642 RIVEREST DR	PLUMBING	HEDLUND PLUMBING	08/09/2024	02/12/2025	$138.00
PP24-0233	156 W FERNEY ST	PLUMBING	EAST END PLUMBING	08/13/2024	02/19/2025	$60.00
PP24-0234	570 E STATE ST	PLUMBING	INTEGRITY PLUMBING	08/14/2024	02/12/2025	$198.00
PP24-0235	1409 JORDAN LAKE ST	PLUMBING	BP PLUMBING LLC	08/14/2024	02/12/2025	$174.00
PP24-0236	8642 RIVEREST DR	PLUMBING	HEDLUND PLUMBING	08/14/2024	03/15/2025	$138.00
PP24-0237	9773 MARBLE PINES DR	PLUMBING	PRO PLUMBING	08/20/2024	02/19/2025	$198.00
PP24-0238	7661 KNOX RD	PLUMBING	JMH PLUMBING	08/21/2024	02/17/2025	$224.40
PP24-0239	3926 LOCUST DR	PLUMBING	WOOD, JIM	08/21/2024	02/17/2025	$60.00
PP24-0240	810 SKYVIEW TRL	PLUMBING	EAST END PLUMBING	08/26/2024	03/19/2025	$60.00
PP24-0241	138 BELDING RD	PLUMBING	WILSON HEATING AND PLUM	08/26/2024	02/22/2025	$60.00
PP24-0242	84 DILDINE RD	PLUMBING	WILSON HEATING AND PLUM	08/26/2024	03/08/2025	$60.00
PP24-0243	11766 BELDING RD	PLUMBING	NUEST, JOHN & KIMBERLY	08/26/2024	03/15/2025	$198.00
PP24-0244	1459 BIANCA LN	PLUMBING	PINE PLUMBING	08/26/2024	02/22/2025	$198.00
PP24-0245	1279 BIANCA LN	PLUMBING	PINE PLUMBING	08/26/2024	02/25/2025	$198.00
PP24-0246	1962 KEEFER HWY	PLUMBING	ADVANCED PLMB & MECHAN	08/27/2024	03/19/2025	$198.00
PP24-0247	5717 WESTBROOK RD	PLUMBING	THE SERVICE PROFESSOR INC	09/03/2024	03/02/2025	$60.00
PP24-0248	7651 FRIEND RD	PLUMBING	CHERRY VALLEY PLUMBING I	09/04/2024	03/12/2025	$138.00
PP24-0249	2096 N STATE RD LOT 104	PLUMBING	CEREAL CITY INVESTMENTS I	09/10/2024	03/09/2025	$60.00
PP24-0250	702 WATER ST	PLUMBING	EAST END PLUMBING	09/18/2024	03/17/2025	$60.00
PP24-0251	9324 SHIMANO DR	PLUMBING	ACCURATE PLUMBING INC	09/09/2024	03/26/2025	$198.00
PP24-0252	7040 PENN CT	PLUMBING	ACCURATE PLUMBING INC	09/09/2024	03/26/2025	$198.00
PP24-0253	5116 W BLUEWATER HWY	PLUMBING	ANYTHING PLUMBING ANYTI	09/09/2024	03/22/2025	$198.00
PP24-0254	825 MORGAN DR	PLUMBING	WASSINK PLUMBING, LLC	09/10/2024	03/17/2025	$198.00
PP24-0255	11207 FISK RD	PLUMBING	BRECHTING, KYLE	09/10/2024	03/09/2025	$138.00
PP24-0256	740 6TH AVE	PLUMBING	OHIO BATH SOLUTIONS	09/10/2024	03/09/2025	$60.00

PP24-0257	138 CHURCH ST	PLUMBING	WEST SHORE HOME LLC	09/10/2024	03/09/2025	$60.00
PP24-0258	160 E LINCOLN AVE	PLUMBING	O'MARA PLBG HTG & COOLIN	09/12/2024	03/11/2025	$60.00
PP24-0259	8407 HOGAN RD	PLUMBING	HOGAN MICHAEL T. & SUSAN	09/12/2024	03/15/2025	$60.00
PP24-0260	797 HAYSMER RD	PLUMBING	GENZINK PLUMBING INC	09/13/2024	03/12/2025	$198.00
PP24-0261	1788 N BELLAMY RD	PLUMBING	EAST END PLUMBING	09/26/2024	03/25/2025	$60.00
PP24-0262	983 SKYVIEW TRL	PLUMBING	SUPERIOR PLUMBING SERVIC	09/16/2024	03/15/2025	$198.00
PP24-0263	973 SKYVIEW TRL	PLUMBING	SUPERIOR PLUMBING SERVIC	09/16/2024	03/15/2025	$198.00
PP24-0264	963 SKYVIEW TRL	PLUMBING	SUPERIOR PLUMBING SERVIC	09/16/2024	03/15/2025	$198.00
PP24-0265	953 SKYVIEW TRL	PLUMBING	SUPERIOR PLUMBING SERVIC	09/16/2024	03/15/2025	$198.00
PP24-0266	960 WHITETAIL CT	PLUMBING	SUPERIOR PLUMBING SERVIC	09/16/2024	03/15/2025	$198.00
PP24-0267	1133 YEOMANS ST LOT 189	PLUMBING	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PP24-0268	1133 YEOMANS ST LOT 190	PLUMBING	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PP24-0269	1133 YEOMANS ST LOT 203	PLUMBING	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PP24-0270	1133 YEOMANS ST LOT 257	PLUMBING	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PP24-0271	1133 YEOMANS ST LOT 191	PLUMBING	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PP24-0272	1133 YEOMANS ST LOT 210	PLUMBING	CROSSROADS HOUSING INC/	09/17/2024	03/16/2025	$60.00
PP24-0273	1117 EMERSON ST	PLUMBING	WOODMAN PLUMBING CO IN	09/18/2024	03/19/2025	$277.20
PP24-0274	8822 BREEZY POINT	PLUMBING	AMERICAN PLUMBING & HEA	09/19/2024	03/18/2025	$198.00
PP24-0275	10018 E GRAND RIVER AVE	PLUMBING	HOPPES PLBG LLC	09/20/2024	03/26/2025	$138.00
PP24-0276	1527 W STATE RD LOT 12	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0277	1527 W STATE RD LOT 41	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0278	1527 W STATE RD LOT 121	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0279	1527 W STATE RD LOT 109	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0280	1527 W STATE RD LOT 145	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0281	1527 W STATE RD LOT 7	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0282	1527 W STATE RD LOT 19	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0283	1527 W STATE RD LOT 43	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0284	1527 W STATE RD LOT 68	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0285	1527 W STATE RD LOT 146	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0286	1527 W STATE RD LOT 151	PLUMBING	KR COMPANIES	09/25/2024	03/24/2025	$60.00
PP24-0287	4793 JACKSON RD	PLUMBING	DOEZEMA REAL ESTATE LLC	09/23/2024	03/22/2025	$60.00
PP24-0288	133 GREENFIELD DR	PLUMBING	SERVICE PROFESSOR	09/23/2024	03/22/2025	$60.00
PP24-0289	7449 CEDAR RIDGE DR	PLUMBING	HEDLUND PLUMBING	09/23/2024	03/22/2025	$138.00
PP24-0290	8719 ARCHER DR	PLUMBING	KLAP, ED & JAMIE	09/25/2024	03/24/2025	$120.00
PP24-0291	734 HARRISON AVE	PLUMBING	HUHN, KEN	09/25/2024	03/24/2025	$60.00
PP24-0292	8872 MAC ARTHUR RD	PLUMBING	O'MARA PLBG HTG & COOLIN	09/25/2024	03/24/2025	$198.00
PP24-0297	2908 HUDDLE RD	PLUMBING	MID STATE PLBG & CONTRAC	09/26/2024	03/25/2025	$138.00
PP24-0298	734 W WASHINGTON ST	PLUMBING	THE SERVICE PROFESSOR INC	09/30/2024	03/29/2025	$60.00
PSE24-0001	7551 W RIVERSIDE DR	SOIL EROSION	MY STORAGE SARANAC	07/18/2024	07/19/2025	$270.00
PSE24-0004	8822 BREEZY POINT	SOIL EROSION	BACHELDER, KIM	08/21/2024	08/21/2025	$270.00

PSE24-0028	562 DIVISION ST	SOIL EROSION	CITY OF IONIA	07/16/2024	07/16/2025	$270.00
PSE24-0029	2841 BONANZA RD	SOIL EROSION	SWOPE, MICHAELA	07/16/2024	07/16/2025	$270.00
PSE24-0030	8751 MEADOWRUE DR	SOIL EROSION	SARATOGA DEVELOPMENT I	07/22/2024	07/22/2025	$270.00
PSE24-0031	8958 LENHARDS LANDING	SOIL EROSION	GARDNER, BRUCE	07/24/2024	08/02/2025	$270.00
PSE24-0033	7661 KNOX RD	SOIL EROSION	LENNEMAN, ROBERT & CASE	07/31/2024	07/31/2025	$270.00
PSE24-0034	212 WATER ST	SOIL EROSION	VILLAGE OF LYONS	08/01/2024	08/01/2025	$270.00
PSE24-0036	224 W STATE RD	SOIL EROSION	A1-C2 PROPERTIES LLC	09/17/2024	09/17/2025	$270.00
PSE24-0038	1713 N STATE RD	SOIL EROSION	REURINK, TODD	09/19/2024	09/19/2025	$270.00

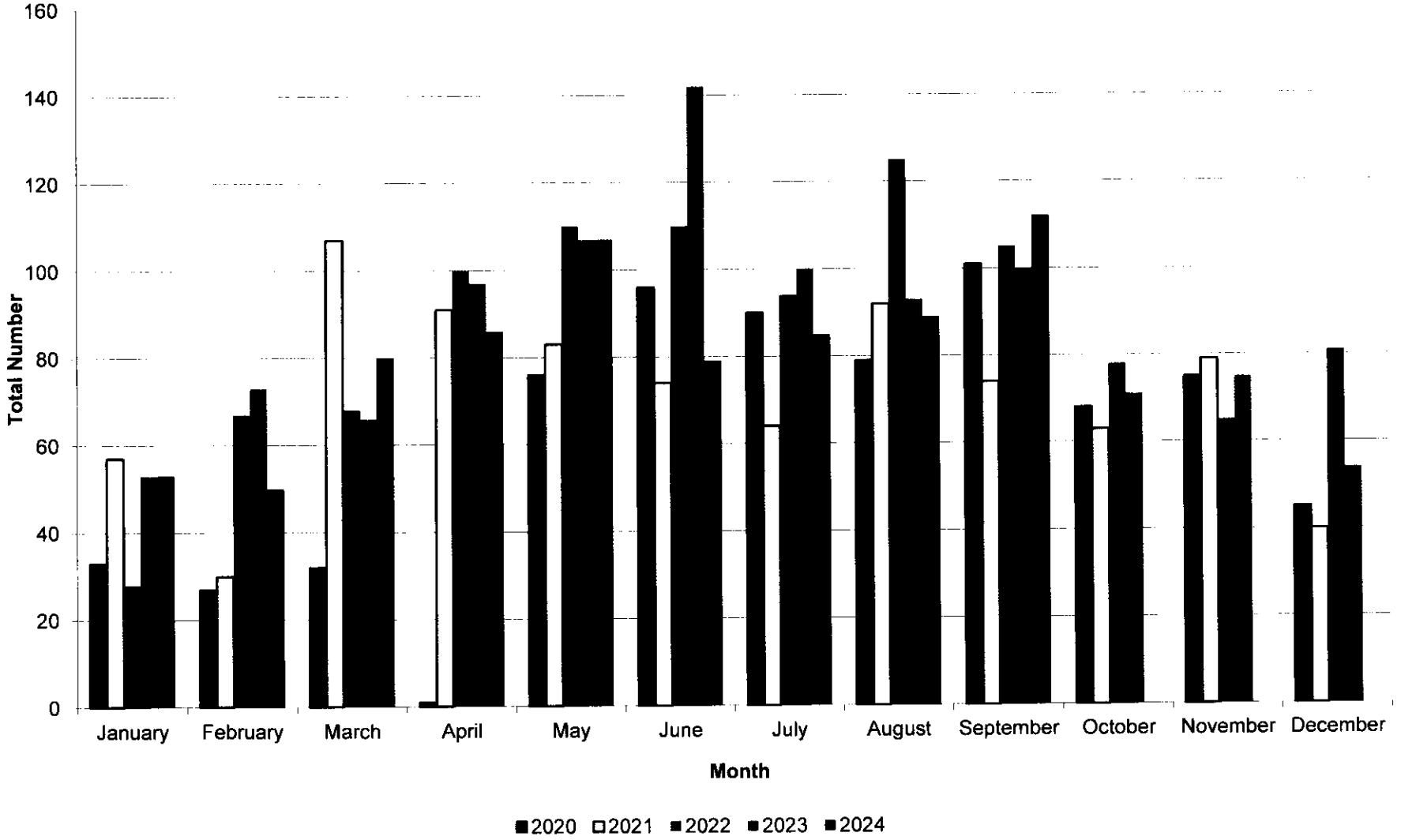
Number of Permits: 843

Total Billed: $172,395.40

Population: All Records

Permit.DateIssued Between 7/1/2024 12:00:00 AM AND 9/30/2024 11:59:59 PM

Number of Building Permits Issued



History of Issued
Building Permts

	2020	2021	2022	2023	2024
January	33	57	28	53	53
February	27	30	67	73	50
March	32	107	68	66	80
April	1	91	100	97	86
May	76	83	110	107	107
June	96	74	110	142	79
July	90	64	94	100	85
August	79	92	125	93	89
September	101	74	105	100	112
October	68	63	78	71	
November	75	79	65	75	
December	45	40	81	54	
TOTAL	723	854	1031	1031	741

IONIA BUILDING DEPARTMENT
QUARTERLY REPORT
JULY TO SEPTEMBER 2024

BUILDING PERMITS:

NEW RESIDENCE:	0,026
ADDITION/REMODEL:	0,146
ACCESSORY BUILDING:	0,037
MOBILE HOME:	0,032
NEW COMMERCIAL:	0,008
COMMERCIAL ALTERATION:	0,012
COMMERCIAL ACCESSORY:	0,003
SESC:	0,010
OTHER:	0,022

TOTAL BUILDING PERMITS: 0,296

ELECTRICAL PERMITS:

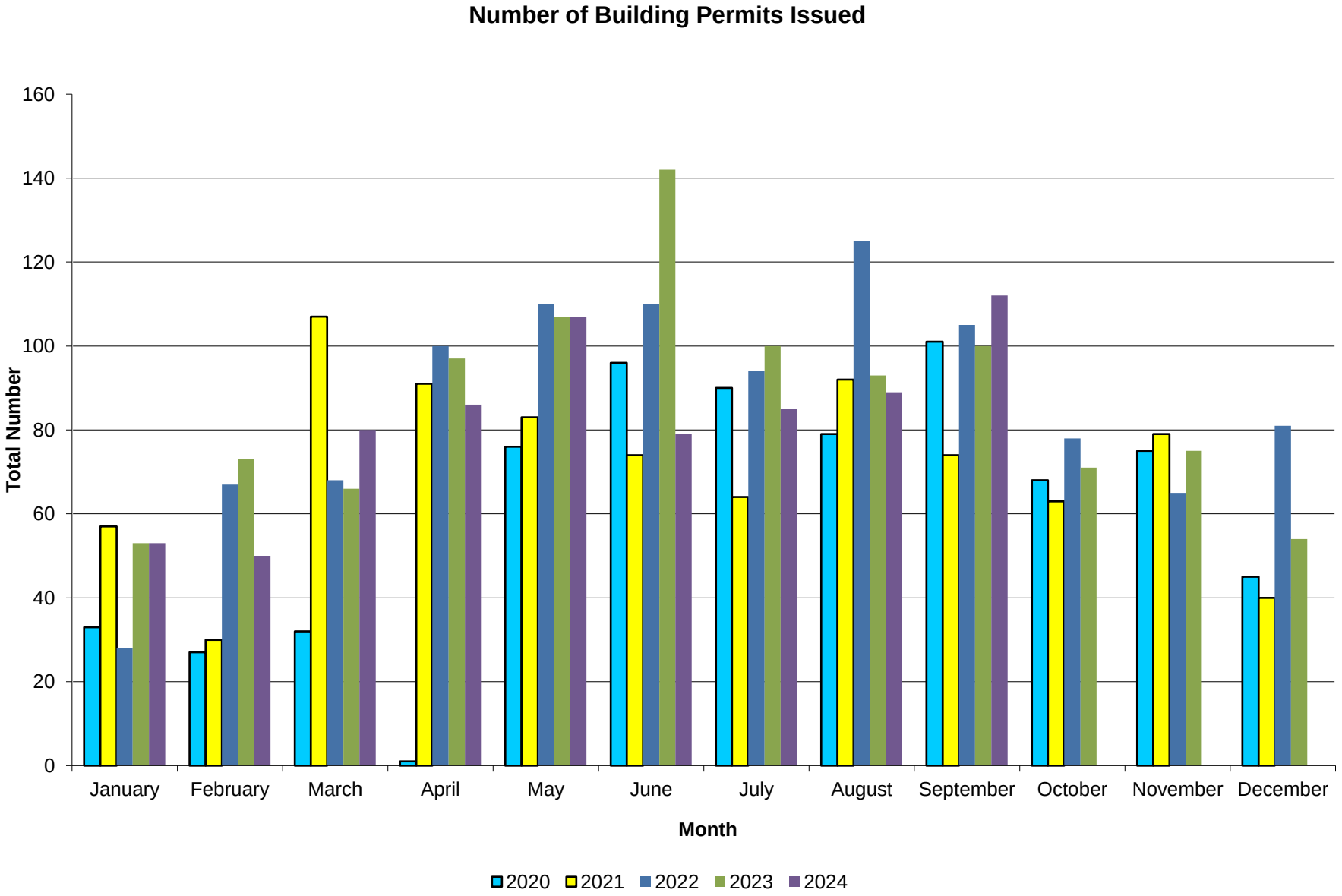
TOTAL: 0,228

MECHANICAL PERMITS:

TOTAL: 0,219

PLUMBING PERMITS:

TOTAL: 0,100


Number of Building Permits Issued
Total Number
160
140
120
100
80
60
40
20
0
January
February
March
April
May
June
July
August
September
October
November
December
Month
2020
2021
2022
2023
2024

IONIA COUNTY DRAIN COMMISSIONER'S

2024 ANNUAL DRAIN REPORT

I-96 CROSSING OF IONIA COUNTY DRAIN MAINTENANCE PROJECT

Townline & Libhart Creek Drain



Shook & Rowe Drain





McCoy Drain



Lowrey & State Drain

Given by: Robert J. Rose
Ionia County Drain Commissioner
October 22, 2024

ANNUAL REPORT OF COUNTY DRAIN COMMISSIONERS

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Number of Parcels Being Assessed 8

2024

ANNUAL REPORT OF COUNTY DRAIN COMMISSIONERS

To the Board of Commissioners of Ionia County:

In Compliance with provisions of Sec 31 of Chapter 2 of Act No. 40 of the Public Act of 1956, I have the honor to submit my Annual Report as County Drain Commissioner of said County of Ionia, covering the period from the first day of September A.D. 2023 to the last day of August A.D. 2024.

I. The following-named drains were left unfinished at the date of the last report and are now completed.

N/A

II. The following named drains have been constructed, cleaned out and completed during the year, to-wit:

I-96 Drain Project:	
Lowrey & State	Berlin Township
McCoy	Berlin, Orange Township
Shook & Rowe	Orange Township
Townline & Libhart	Berlin, Sebewa, Orange Township

III. The following named drains or lake levels are being acted upon at this time:

Orange Combination	Berlin, Ionia, Orange Township

IV. Repair work, inspections, spraying, GPS and other various things on the following named drains were completed by me during the year to-wit:

REPAIR & MAINTENANCE

Bonnie Moor	North Plains Twp.
Benton	Otisco Twp.
Benedict & Kohn	Orleans, Otisco Twp.
Black Creek	Berlin, Campbell, Odessa Twp.
Boston & Campbell	Boston, Campbell Twp.
Bricker & Branches	Easton, Keene, Orleans & Otisco Twp
Carbaugh & E. Libhart Creek	Orange, Portland, Sebewa Twp.
Chickering Branch	Easton, Orleans, Otisco Twp.
Churchill	Orange Twp.
Clark & Welch	North Plains Twp.
Codding	Danby Twp.

Daniels Branch	Sebewa Twp.
Doolittle & David	Danby Twp.
Doxie & Wells	Danby Twp.
Geer & Culver	Danby Twp.
Gibson Br. Of Bricker	Keene Twp.
Ginnebaugh	Danby Twp.
Guilford	Danby Twp.
Gunn & Ramsey	Sebewa Twp.
Hack & Keary	North Plains Twp.
Halladay	Danby Twp.
Hartwell	Berlin Twp.
Hile & McPherson	Easton Twp.
Holmes & Spears & Ext	Easton, Keene, Orleans & Otisco Twp
Hugh & Baird	Orange, Sebewa Twp.
Hull, Snell & McKendry	Easton, Keene Twp.
King & Wolcott	Sebewa Twp.
Klingman & Jarstfer	Village, Odessa Twp.
Klahn & Scoville	Boston, Campbell Twp.
Knox & Dilley	Portland, Danby Twp.
Leak Branch No.9	Sebewa Twp.
Lepard	Odessa Twp.
Lowrey, Hubbard & Br.	Berlin Twp.
Morrison Lake Drain	Berlin, Boston, Campbell, Odessa
Nye & Stairs	Odessa Twp.
Pasche	Portland Twp.
Peterson & Meyers	Easton, Ionia Twp.
Pline & Toan	Lyons, Portland Twp.
Rollof	Campbell, Odessa Twp.
Rosenberger	Campbell Twp.
Sandborn & York	Sebewa Twp.
Shawley	City of Belding
Shellenberger	Odessa Twp.
Shellhorn & Reahm	Odessa, Sebewa Twp.
Shook & Rowe	Orange Twp.
Snyder & Walker	Danby, Sebewa Twp
Stambaugh	Danby Twp.
State & Fisher	Berlin Twp.
Stuart & Green	Boston, Cambell & Odessa Twp.
U.S. 16	Orange Twp.
Vetter & Wise	Campbell Twp.
West Br. Of Bricker	Otisco Twp.
Wright & Dunsmore	Orange Twp.
Yeomans, Sandford A.	Easton Twp.

SPRAYING

Rollof	Campbell, Odessa Twp

OTHERS

Long Lake Weed Control	Orleans Township
Jordan Lake Weed Control	Odessa Twp & Vill. Lake Odessa
Morrison Lake Weed Control	Boston & Campbell Township

DAM INSPECTIONS

Morrison Lake Dam
Long Lake Dam
Ranney Lake Dam

And I do hereby certify that the foregoing embraces a full and true report of all the drains constructed, finished or begun under my supervision, or applied for during the year now ended, and that the financial statement of each drain submitted is true and correct.

Dated at Ionia, Michigan
This 9th day of October 2024

Robert J. Rose
Ionia County Drain Commissioner

10/09/2024 09:44 AM
User: LWHARRY
DB: Ionia

ANNUAL REPORT FOR IONIA COUNTY

Year: 2024

Year	Township or City	Railroad	State Hwy	County	Township	Twp On Desc	Total
011 BERLIN TOWNSHIP							
1 of 1	Badgley (307)		200.00	350.00	220.00	1,230.00	2,000.00
4 of 4	Bennett (311)			510.28	262.79	1,778.14	2,551.21
1 of 1	Lowrey Hubbard & Branches		1,500.00	852.42	750.00	4,397.58	7,500.00
TOTAL 011 BERLIN TOWNSHIP			1,700.00	1,712.70	1,232.79	7,405.72	12,051.21
020 BOSTON TOWNSHIP							
1 of 1	Boston and Campbell (331)		517.00	1,675.21	1,576.00	5,689.60	9,457.81
1 of 2	Klahn & Scoville (463)	387.52		1,169.36	411.60	4,441.49	6,409.97
1 of 1	Morrison Lake Board 2024					145,080.00	145,080.00
TOTAL 020 BOSTON TOWNSHIP		387.52	517.00	2,844.57	1,987.60	155,211.09	160,947.78
030 CAMPBELL TOWNSHIP							
1 of 1	Bond Pumping Station (383					1,700.00	1,700.00
1 of 1	Boston and Campbell (331)				102.00	440.19	542.19
1 of 2	Klahn & Scoville (463)				334.10	1,006.77	1,340.87
1 of 1	Morrison Lake Board 2024					31,395.00	31,395.00
1 of 2	Rolloff (502)			552.19	54.78	480.96	1,087.93
1 of 1	Rosenberger (341)			450.00	175.00	1,875.00	2,500.00
TOTAL 030 CAMPBELL TOWNSHIP				1,002.19	665.88	36,897.92	38,565.99
040 DANBY TOWNSHIP							
2 of 2	Codding (407)			450.00	225.00	1,574.98	2,249.98
1 of 3	Doolittle & David (300)			2,733.33	1,600.00	2,333.32	6,666.65
1 of 1	Guilford (320)			1,019.56	504.68	3,573.57	5,097.81
1 of 2	Halladay (449)			1,518.51	414.14	828.29	2,760.94
1 of 2	Knox and Dilley (271)		202.64	386.53	27.61	379.76	996.54
1 of 2	Sebewa (507)			825.00	251.90	2,042.85	3,119.75
1 of 1	Stambaugh (513)			375.00	250.00	1,875.00	2,500.00
TOTAL 040 DANBY TOWNSHIP			202.64	7,307.93	3,273.33	12,607.77	23,391.67
051 EASTON TOWNSHIP							
1 of 1	Bricker and Branches (389			2,476.08	109.51	688.09	3,273.68
1 of 2	Hile & McPherson (216)			763.50	509.00	3,817.76	5,090.26
1 of 1	Holmes & Spears Ext (217)			1,918.95	184.56	1,703.57	3,807.08
1 of 1	Hull, Snell & McKendry Br			1,125.00	375.00	1,162.98	2,662.98
1 of 1	Yeomans, Sanford A. (233)			300.00	300.00	2,400.00	3,000.00
TOTAL 051 EASTON TOWNSHIP				6,583.53	1,478.07	9,772.40	17,834.00
060 IONIA TOWNSHIP							
7 of 10	Arnold Drain (591)			3,685.86	4,643.90	23,476.45	31,806.21
3 of 5	Glostrick & Janes (436)			2,621.30	1,310.61	4,428.58	8,360.49
TOTAL 060 IONIA TOWNSHIP				6,307.16	5,954.51	27,905.03	40,166.70
070 KEENE TOWNSHIP							
1 of 1	Bricker and Branches (389				576.45	2,285.82	2,862.27
1 of 2	Gibson Branch of Bricker			741.49	500.00	3,758.59	5,000.08
1 of 1	Holmes & Spears Ext (217)				203.24	373.90	577.14
1 of 1	Hull, Snell & McKendry Br				750.00	4,087.02	4,837.02
TOTAL 070 KEENE TOWNSHIP				741.49	2,029.69	10,505.33	13,276.51
080 LYONS TOWNSHIP							
1 of 1	Clinton and Ionia (288)			1,800.00	1,777.50	5,386.31	8,963.81
1 of 1	Pline & Toan (228)			1,050.00	70.00	1,356.26	2,476.26
TOTAL 080 LYONS TOWNSHIP				2,850.00	1,847.50	6,742.57	11,440.07
090 NORTH PLAINS							
1 of 2	Bonnie and Moor (384)			315.00	210.00	2,975.00	3,500.00

ANNUAL REPORT FOR IONIA COUNTY

Year: 2024

Year	Township or City	Railroad	State Hwy	County	Township	Twp On Desc	Total
1 of 1	Clark and Welch (405)			825.00	550.00	4,125.00	5,500.00
1 of 1	Dalton ICD (418)			750.00	375.00	2,625.00	3,750.00
3 of 3	Fahey Extension (427)			68.60	34.30	240.10	343.00
TOTAL 090 NORTH PLAINS				1,958.60	1,169.30	9,965.10	13,093.00
100 ODESSA TOWNSHIP							
2 of 2	Crane & Doxie (208)			1,300.00	650.00	4,260.63	6,210.63
1 of 1	Jordan Lake Board 2024 (0				2,500.00	12,405.00	14,905.00
1 of 2	Jordan Lake Dam (325)			774.55	385.95	4,939.26	6,099.76
3 of 10	Klingman & Jarstfer (464	463.43		9,654.71		12,301.14	22,419.28
2 of 2	Koutz (221)		258.85	1,550.00	577.06	3,837.02	6,222.93
1 of 2	Lepard (222)			607.40	303.70	2,125.93	3,037.03
1 of 1	Nye & Stairs (334)	60.50	94.25	500.00	250.00	1,595.25	2,500.00
1 of 2	Rolloff (502)				221.32	1,451.71	1,673.03
1 of 1	Shellenberger (508)	59.50	90.00	1,000.00	500.00	3,350.50	5,000.00
TOTAL 100 ODESSA TOWNSHIP		583.43	443.10	15,386.66	5,388.03	46,266.44	68,067.66
101 VILLAGE OF LAKE ODESSA							
1 of 1	Jordan Lake Board 2024 (0				5,000.00	14,385.00	19,385.00
1 of 2	Jordan Lake Dam (325)				2,013.84	7,378.45	9,392.29
3 of 10	Klingman & Jarstfer (464					7,757.10	7,757.10
TOTAL 101 VILLAGE OF LAKE ODESSA					7,013.84	29,520.55	36,534.39
110 ORANGE TOWNSHIP							
1 of 5	Churchill (404)			1,426.85	1,070.14	6,420.85	8,917.84
3 of 5	Glostrick & Janes (436)				917.43	2,537.12	3,454.55
1 of 2	Hugh & Baird (347)			441.75	193.26	690.23	1,325.24
5 of 5	Rowe & Hall (231)			768.75	512.50	3,843.78	5,125.03
1 of 1	U.S. 16 (530)		303.00	300.00	150.00	2,247.00	3,000.00
1 of 3	Wright and Dunsmore (279)			798.97	239.69	2,956.17	3,994.83
TOTAL 110 ORANGE TOWNSHIP			303.00	3,736.32	3,083.02	18,695.15	25,817.49
120 ORLEANS TOWNSHIP							
2 of 2	Benedict & Kohn (377)			1,200.00	800.00	208.03	2,208.03
1 of 1	Bricker and Branches (389				59.67	378.25	437.92
1 of 1	Holmes & Spears Ext (217)				324.28	4,311.26	4,635.54
1 of 1	Long Lake Weeds 2024 (042					82,048.00	82,048.00
TOTAL 120 ORLEANS TOWNSHIP				1,200.00	1,183.95	86,945.54	89,329.49
130 OTISCO TOWNSHIP							
2 of 2	Benedict & Kohn (377)				800.00	991.93	1,791.93
1 of 1	Bricker and Branches (389				1,263.62	6,893.14	8,156.76
1 of 1	Holmes & Spears Ext (217)				429.17	551.07	980.24
4 of 5	Snow (237)			1,365.00	799.89	3,226.88	5,391.77
TOTAL 130 OTISCO TOWNSHIP				1,365.00	3,292.68	11,663.02	16,320.70
140 PORTLAND TOWNSHIP							
1 of 4	Ayers and Branch (372)			325.56	325.56	4,774.87	5,425.99
3 of 3	Balderson & Extension (24			868.32	578.88	4,341.54	5,788.74
1 of 1	Clinton and Ionia (288)				24.77	11.42	36.19
1 of 2	Colby and Browning ICD (3			850.45	567.00	4,252.79	5,670.24
3 of 4	Hitchcock (269)			937.40	1,562.33	5,311.96	7,811.69
3 of 5	Horner (336)			1,174.45	1,174.45	1,793.82	4,142.72
1 of 2	Knox and Dilley (271)				248.48	1,515.97	1,764.45
1 of 1	McCausey & Branches (550)			300.04	199.98	819.98	1,320.00
1 of 2	Pasche (488)			579.80	538.38	3,023.28	4,141.46
1 of 1	Pline & Toan (228)				87.50	936.24	1,023.74
TOTAL 140 PORTLAND TOWNSHIP				5,036.02	5,307.33	26,781.87	37,125.22

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ANNUAL REPORT FOR IONIA COUNTY

Year: 2024

Year	Township or City	Railroad	State Hwy	County	Township	Twp On Desc	Total
150	RONALD TOWNSHIP						
2 of 2	Montcalm & Ionia (477)			175.50	117.00	877.47	1,169.97
TOTAL 150 RONALD TOWNSHIP				175.50	117.00	877.47	1,169.97
160	SEBEWA TOWNSHIP						
6 of 15	BLISS AND MCCLELLAND ICD			11,193.98	7,462.66	52,128.68	70,785.32
1 of 1	Daniels Branch (363)			500.00	250.00	1,750.00	2,500.00
2 of 2	Gunn & Ramsey (364)			1,817.48	938.57	6,081.52	8,837.57
1 of 2	Hugh & Baird (347)				193.26	1,242.43	1,435.69
1 of 1	King & Wolcott (263)			1,250.00	382.50	3,367.50	5,000.00
2 of 2	Koutz (221)				197.93	1,329.02	1,526.95
1 of 2	Leak Branch #9 (466)			607.40	303.70	2,125.96	3,037.06
1 of 1	Sandford & York (232)			492.12	500.00	4,007.88	5,000.00
1 of 2	Sebewa (507)				298.10	2,082.49	2,380.59
TOTAL 160 SEBEWA TOWNSHIP				15,860.98	10,526.72	74,115.48	100,503.18
201	IONIA CITY						
7 of 10	Arnold Drain (591)				2,589.30	1,683.24	4,272.54
TOTAL 201 IONIA CITY					2,589.30	1,683.24	4,272.54
300	PORTLAND CITY						
3 of 5	Horner (336)					1,397.60	1,397.60
TOTAL 300 PORTLAND CITY						1,397.60	1,397.60
401	BELDING CITY						
1 of 1	Pineview (573A)			195.00	455.00		650.00
1 of 1	Shawley (582)			100.00	1,001.80	3,898.20	5,000.00
TOTAL 401 BELDING CITY				295.00	1,456.80	3,898.20	5,650.00
TOTALS:		970.95	3,165.74	74,363.65	59,597.34	578,857.49	716,955.17

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
ORANGE COMBINATION		225		ORANGE COMBINATION
11379	09/01/2023	LRE	460.00	0.00
			460.00	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11380	09/01/2023	PLM LAKE & LAND MANAGEMENT CORP	4,080.40	0.00
			4,080.40	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11381	09/01/2023	PLM LAKE & LAND MANAGEMENT CORP	23,161.24	0.00
			23,161.24	**0.00**
LOWREY & STATE ROAD		255		LOWREY & STATE ROAD
11382	09/01/2023	LRE	3,945.04	0.00
11383	09/01/2023	LRE	0.00	2,661.51
			3,945.04	**2,661.51**
KLINGMAN & JARSTFER		464		KLINGMAN & JARSTFER
11384	09/01/2023	SPICER GROUP	826.50	0.00
			826.50	**0.00**
KING & WOLCOTT		263		KING & WOLCOTT
11385	09/05/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	342.00
			0.00	**342.00**
GINNEBAUGH		214		GINNEBAUGH
11386	09/05/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	284.73
			0.00	**284.73**
DOOLITTLE & DAVID		300		DOOLITTLE & DAVID
11387	09/05/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	465.32
			0.00	**465.32**
CLARK & WELCH		405		CLARK & WELCH
11388	09/05/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	273.76	0.00
			273.76	**0.00**
GINNEBAUGH		214		GINNEBAUGH
11389	09/05/2023	CENTRAL MICHIGAN PONDS & EXCAVATIN	0.00	6,880.00
			0.00	**6,880.00**
KLINGMAN & JARSTFER		464		KLINGMAN & JARSTFER
11390	09/05/2023	MEADOW VALLEY LAWNCARE & LANDSC	7,314.00	0.00
			7,314.00	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11391	09/05/2023	LAKEWOOD NEWS	294.15	0.00
11392	09/05/2023	THE REMINDER	104.75	0.00
			398.90	**0.00**
BOND PUMPING STATION		383A		BOND PUMPING STATION
11393	09/05/2023	CONSUMERS ENERGY	113.27	0.00

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
BOND PUMPING STATION		383A		BOND PUMPING STATION
			113.27	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11394	09/05/2023	PLM LAKE & LAND MANAGEMENT CORP	19,508.65	0.00
			19,508.65	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11395	09/07/2023	FAHEY SCHULTZ BURZYCH RHODES PLC	44.00	0.00
			44.00	**0.00**
BLISS & MCCLELLAND		203		BLISS & MCCLELLAND
11397	09/19/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	165.00	0.00
			165.00	**0.00**
LOWREY & STATE ROAD		255		LOWREY & STATE ROAD
11398	09/19/2023	LRE	0.00	870.00
			0.00	**870.00**
ORANGE COMBINATION		225		ORANGE COMBINATION
11399	09/19/2023	LRE	1,312.50	0.00
			1,312.50	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11400	09/20/2023	PLM LAKE & LAND MANAGEMENT CORP	1,506.59	0.00
			1,506.59	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11401	09/20/2023	PLM LAKE & LAND MANAGEMENT CORP	17,975.81	0.00
			17,975.81	**0.00**
DOOLITTLE & DAVID		300		DOOLITTLE & DAVID
11402	09/21/2023	CENTRAL MICHIGAN PONDS & EXCAVATIN	0.00	1,500.00
			0.00	**1,500.00**
CLARK & WELCH		405		CLARK & WELCH
11403	10/02/2023	BUCK GARLAND EXCAVATING LLC	915.06	0.00
11404	10/02/2023	BUCK GARLAND EXCAVATING LLC	0.00	567.44
			915.06	**567.44**
HACK & KEARY		445		HACK & KEARY
11405	10/02/2023	BUCK GARLAND EXCAVATING LLC	4,561.57	0.00
11406	10/02/2023	BUCK GARLAND EXCAVATING LLC	0.00	1,088.43
			4,561.57	**1,088.43**
COLDWATER RIVER		409		COLDWATER RIVER
11407	10/02/2023	STREAMSIDE ECOLOGICAL SERVICES	600.00	0.00
			600.00	**0.00**
KLINGMAN & JARSTFER		464		KLINGMAN & JARSTFER
11408	10/13/2023	J.T. BREIMAYER, LLC	4,860.00	0.00
			4,860.00	**0.00**

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
KLAHN & SCOVILLE BRANCHES		463	KLAHN & SCOVILLE BRANCHES	
11409	10/03/2023	RISNER SAND & GRAVEL, LLC	14,442.50	0.00
			14,442.50	**0.00**
BOND PUMPING STATION		383A	BOND PUMPING STATION	
11410	10/05/2023	CONSUMERS ENERGY	34.55	0.00
			34.55	**0.00**
KLINGMAN & JARSTFER		464	KLINGMAN & JARSTFER	
11411	10/16/2023	MEADOW VALLEY LAWNCARE & LANDSC	1,405.00	0.00
11412	10/16/2023	H.S.V. REDI-MIX	9,780.75	0.00
			11,185.75	**0.00**
SHOOK & ROWE		235	SHOOK & ROWE	
11413	10/16/2023	THOMAS EXCAVATING	1,550.00	0.00
			1,550.00	**0.00**
LONG LAKE WEED CONTROL		042	LONG LAKE WEED CONTROL	
11414	10/16/2023	PROGRESSIVE	2,625.00	0.00
			2,625.00	**0.00**
MORRISON LAKE - LAKE BOARD		043	MORRISON LAKE - LAKE BOARD	
11415	10/16/2023	PLM LAKE & LAND MANAGEMENT CORP	6,261.15	0.00
			6,261.15	**0.00**
ORANGE COMBINATION		225	ORANGE COMBINATION	
11416	10/16/2023	FAHEY SCHULTZ BURZYCH RHODES PLC	69.00	0.00
			69.00	**0.00**
STAMBAUGH		513	STAMBAUGH	
11417	10/16/2023	CENTRAL MICHIGAN PONDS & EXCAVATIN	2,800.00	0.00
			2,800.00	**0.00**
ORANGE COMBINATION		225	ORANGE COMBINATION	
11418	11/02/2023	LRE	497.78	0.00
11419	11/02/2023	LRE	0.00	945.72
			497.78	**945.72**
LOWREY & STATE ROAD		255	LOWREY & STATE ROAD	
11420	11/01/2023	LRE	2,017.64	0.00
			2,017.64	**0.00**
HULL, SNELL, MC KENDRY & BRANCHES		303	HULL, SNELL, MC KENDRY & BRANCHES	
11421	11/01/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	27.80	0.00
			27.80	**0.00**
BOND PUMPING STATION		383A	BOND PUMPING STATION	
11422	11/03/2023	CONSUMERS ENERGY	89.01	0.00
			89.01	**0.00**
CARBAUGH & EAST LIBHART CREEK		276	CARBAUGH & EAST LIBHART CREEK	
11423	11/13/2023	CENTRAL MI LAWN CARE & EXCAV,LLC	400.00	0.00

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
CARBAUGH & EAST LIBHART CREEK		276	CARBAUGH & EAST LIBHART CREEK	
			400.00	**0.00**
ORANGE COMBINATION		225	ORANGE COMBINATION	
11424	11/13/2023	FAHEY SCHULTZ BURZYCH RHODES PLC	0.00	46.00
			0.00	**46.00**
KLINGMAN & JARSTFER		464	KLINGMAN & JARSTFER	
11425	11/13/2023	CALEDONIA FARMERS ELEVATOR	18.75	0.00
			18.75	**0.00**
NYE & STAIRS		334		NYE & STAIRS
11426	11/13/2023	CALEDONIA FARMERS ELEVATOR	18.75	0.00
			18.75	**0.00**
KLINGMAN & JARSTFER		464	KLINGMAN & JARSTFER	
11427	11/14/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	931.50	0.00
			931.50	**0.00**
LOWREY & STATE ROAD		255	LOWREY & STATE ROAD	
11428	11/14/2023	LRE	710.00	0.00
			710.00	**0.00**
ORANGE COMBINATION		225	ORANGE COMBINATION	
11429	11/14/2023	LRE	0.00	480.00
			0.00	**480.00**
ARNOLD		591		ARNOLD
11430	11/15/2023	MERCANTILE BANK	2,745.00	0.00
			2,745.00	**0.00**
DANIELS BRANCH		363		DANIELS BRANCH
11431	12/01/2023	PRECISION GRADE EXCAVATING, LLC	421.11	0.00
11432	12/01/2023	PRECISION GRADE EXCAVATING, LLC	0.00	348.89
			421.11	**348.89**
PLINE & TOAN		228		PLINE & TOAN
11433	12/01/2023	HAZEL BROS. DRAINAGE, LLC	291.24	0.00
11434	12/01/2023	HAZEL BROS. DRAINAGE, LLC	0.00	950.53
			291.24	**950.53**
GUILFORD		320		GUILFORD
11435	12/01/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	713.30	0.00
11436	12/01/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	1,601.71
			713.30	**1,601.71**
MORRISON LAKE - LAKE BOARD		043	MORRISON LAKE - LAKE BOARD	
11437	12/11/2023	STATE OF MICHIGAN	800.00	0.00
			800.00	**0.00**
JORDAN LAKE BOARD		044	JORDAN LAKE BOARD	
11438	12/11/2023	STATE OF MICHIGAN	1,600.00	0.00

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11439	12/11/2023	PLM LAKE & LAND MANAGEMENT CORP	700.00	0.00
			2,300.00	**0.00**
BLISS & MCCLELLAND		203		BLISS & MCCLELLAND
11440	12/11/2023	HUNTINGTON NATIONAL BANK	500.00	0.00
			500.00	**0.00**
BOND PUMPING STATION		383A		BOND PUMPING STATION
11441	12/11/2023	CONSUMERS ENERGY	106.35	0.00
			106.35	**0.00**
JORDAN LAKE DAM		325		JORDAN LAKE DAM
11442	12/11/2023	BARRY COUNTY DRAIN COMMISSION	28,935.44	0.00
			28,935.44	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11443	12/11/2023	PLM LAKE & LAND MANAGEMENT CORP	1,335.00	0.00
			1,335.00	**0.00**
VETTER & WISE		532		VETTER & WISE
11444	12/11/2023	CENTRAL MI LAWN CARE & EXCAV,LLC	80.77	0.00
11445	12/11/2023	CENTRAL MI LAWN CARE & EXCAV,LLC	0.00	519.23
			80.77	**519.23**
KLINGMAN & JARSTFER		464		KLINGMAN & JARSTFER
11446	12/12/2023	SOIL & WATER MANAGEMENT SYSTEMS, I	1,061.53	0.00
			1,061.53	**0.00**
KNOX & DILLEY		271		KNOX & DILLEY
11447	12/14/2023	SPITZLEY, BRYAN	34.49	0.00
11448	12/14/2023	SPITZLEY, BRYAN	0.00	265.51
			34.49	**265.51**
LOWREY & STATE ROAD		255		LOWREY & STATE ROAD
11449	01/01/2024	LRE	6,498.01	0.00
			6,498.01	**0.00**
KNOX & DILLEY		271		KNOX & DILLEY
11450	01/01/2024	CENTRAL MI LAWN CARE & EXCAV,LLC	0.00	1,750.00
			0.00	**1,750.00**
STATE & FISHER		286		STATE & FISHER
11451	01/01/2024	HAZEL BROS. DRAINAGE, LLC	717.50	0.00
			717.50	**0.00**
U.S. 16		530		U.S. 16
11452	01/01/2024	THOMAS EXCAVATING	704.84	0.00
11453	01/01/2024	THOMAS EXCAVATING	0.00	545.16
			704.84	**545.16**
BLISS & MCCLELLAND		203		BLISS & MCCLELLAND

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
BLISS & MCCLELLAND		203		BLISS & MCCLELLAND
11454	01/01/2024	PRECISION GRADE EXCAVATING, LLC	3,450.00	0.00
			3,450.00	**0.00**
SNYDER & WALKER INTERCOUNTY		238	SNYDER & WALKER INTERCOUNTY	
11455	01/01/2024	PRECISION GRADE EXCAVATING, LLC	1,202.72	0.00
			1,202.72	**0.00**
U.S. 16		530		U.S. 16
11456	01/01/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	1,053.56
			0.00	**1,053.56**
TOWNLINE & LIBHART CREEK		525	TOWNLINE & LIBHART CREEK	
11457	01/01/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	82.00	0.00
			82.00	**0.00**
KNOX & DILLEY		271		KNOX & DILLEY
11458	01/01/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	1,277.45
			0.00	**1,277.45**
BOND PUMPING STATION		383A	BOND PUMPING STATION	
11459	01/08/2024	CONSUMERS ENERGY	31.39	0.00
			31.39	**0.00**
WRIGHT & DUNSMORE		279	WRIGHT & DUNSMORE	
11460	01/08/2024	THOMAS EXCAVATING	13,995.00	0.00
			13,995.00	**0.00**
CARBAUGH & EAST LIBHART CREEK		276	CARBAUGH & EAST LIBHART CREEK	
11461	01/08/2024	JAMES DOESBURG	360.00	0.00
			360.00	**0.00**
SNYDER & WALKER INTERCOUNTY		238	SNYDER & WALKER INTERCOUNTY	
11462	01/08/2024	EATON COUNTY DRAIN COMM.	42.55	0.00
			42.55	**0.00**
BLISS & MCCLELLAND		203	BLISS & MCCLELLAND	
11463	01/08/2024	EATON COUNTY DRAIN COMM.	106.37	0.00
11464	01/08/2024	PRECISION GRADE EXCAVATING, LLC	2,472.67	0.00
			2,579.04	**0.00**
LONG LAKE WEED CONTROL		042	LONG LAKE WEED CONTROL	
11465	01/10/2024	PROGRESSIVE	2,625.00	0.00
			2,625.00	**0.00**
MC COY		308		MC COY
11466	01/11/2024	QUANTUM CONSTRUCTION CO.	104,205.38	0.00
			104,205.38	**0.00**
TOWNLINE & LIBHART CREEK		525	TOWNLINE & LIBHART CREEK	
11467	01/11/2024	QUANTUM CONSTRUCTION CO.	57,937.50	0.00
			57,937.50	**0.00**

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
BLISS & MCCLELLAND		203	BLISS & MCCLELLAND	
11468	02/01/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	100.00	0.00
			100.00	**0.00**
LOWREY & STATE ROAD		255	LOWREY & STATE ROAD	
11469	02/01/2024	LRE	6,431.32	0.00
			6,431.32	**0.00**
PASCHE		488	PASCHE	
11470	02/01/2024	PUNG EXCAVATING	1,069.41	0.00
11471	02/01/2024	PUNG EXCAVATING	0.00	3,680.59
			1,069.41	**3,680.59**
MORRISON LAKE DAM		478	MORRISON LAKE DAM	
11472	02/01/2024	SPICER GROUP	152.07	0.00
11473	02/01/2024	SPICER GROUP	0.00	1,125.68
			152.07	**1,125.68**
LONG LAKE LEVEL CONTROL		560	LONG LAKE LEVEL CONTROL	
11474	02/01/2024	SPICER GROUP	124.76	0.00
11475	02/01/2024	SPICER GROUP	0.00	1,045.74
			124.76	**1,045.74**
LONG LAKE WEED CONTROL		042	LONG LAKE WEED CONTROL	
11477	02/05/2024	PLM LAKE & LAND MANAGEMENT CORP	1,600.00	0.00
			1,600.00	**0.00**
SANDBORN & YORK		232	SANDBORN & YORK	
11478	02/05/2024	BUCK GARLAND EXCAVATING LLC	405.47	0.00
11479	02/05/2024	BUCK GARLAND EXCAVATING LLC	0.00	2,024.53
			405.47	**2,024.53**
HULL, SNELL, MC KENDRY & BRANCHES		303	HULL, SNELL, MC KENDRY & BRANCHES	
11480	02/05/2024	BUCK GARLAND EXCAVATING LLC	1,040.00	0.00
			1,040.00	**0.00**
GUILFORD		320	GUILFORD	
11481	02/05/2024	BUCK GARLAND EXCAVATING LLC	499.71	0.00
11482	02/05/2024	BUCK GARLAND EXCAVATING LLC	0.00	1,827.29
			499.71	**1,827.29**
SHAWLEY		582	SHAWLEY	
11483	02/05/2024	BUCK GARLAND EXCAVATING LLC	1,126.35	0.00
11484	02/05/2024	BUCK GARLAND EXCAVATING LLC	0.00	2,538.65
			1,126.35	**2,538.65**
CHICKERING BRANCH		402	CHICKERING BRANCH	
11485	02/05/2024	BUCK GARLAND EXCAVATING LLC	1,347.00	0.00
			1,347.00	**0.00**
CLARK & WELCH		405	CLARK & WELCH	
11486	02/05/2024	BUCK GARLAND EXCAVATING LLC	0.00	1,248.00

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CLARK & WELCH		405		CLARK & WELCH
			0.00	**1,248.00**
BOND PUMPING STATION		383A		BOND PUMPING STATION
11487	02/06/2024	CONSUMERS ENERGY	85.44	0.00
			85.44	**0.00**
CARBAUGH & EAST LIBHART CREEK		276	CARBAUGH & EAST LIBHART CREEK	
11488	02/06/2024	CENTRAL MI LAWN CARE & EXCAV,LLC	200.00	0.00
			200.00	**0.00**
ORANGE COMBINATION		225		ORANGE COMBINATION
11489	03/04/2024	LRE	0.00	340.00
			0.00	**340.00**
LOWREY & STATE ROAD		255	LOWREY & STATE ROAD	
11490	03/04/2024	LRE	1,123.48	0.00
			1,123.48	**0.00**
BOND PUMPING STATION		383A		BOND PUMPING STATION
11491	03/05/2024	CONSUMERS ENERGY	189.19	0.00
			189.19	**0.00**
SHOOK & ROWE		235		SHOOK & ROWE
11492	03/06/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	529.53	0.00
			529.53	**0.00**
STAMBAUGH		513		STAMBAUGH
11493	03/06/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	245.39	0.00
			245.39	**0.00**
DOXIE & WELLS		210		DOXIE & WELLS
11494	03/06/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	219.79	0.00
			219.79	**0.00**
DOOLITTLE & DAVID		300		DOOLITTLE & DAVID
11495	03/06/2024	CENTRAL MICHIGAN PONDS & EXCAVATIN	2,560.00	0.00
			2,560.00	**0.00**
STAMBAUGH		513		STAMBAUGH
11497	03/06/2024	CENTRAL MICHIGAN PONDS & EXCAVATIN	2,880.00	0.00
			2,880.00	**0.00**
MC COY		308		MC COY
11498	03/07/2024	QUANTUM CONSTRUCTION CO.	9,290.37	0.00
			9,290.37	**0.00**
SHOOK & ROWE		235		SHOOK & ROWE
11499	03/07/2024	QUANTUM CONSTRUCTION CO.	41,860.50	0.00
			41,860.50	**0.00**
TOWNLINE & LIBHART CREEK		525		TOWNLINE & LIBHART CREEK
11500	03/07/2024	QUANTUM CONSTRUCTION CO.	2,310.03	0.00

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Order #	Order Date	In Favor of	Regular	Revolving
TOWNLINE & LIBHART CREEK		525	TOWNLINE & LIBHART CREEK	
			2,310.03	**0.00**
GUNN & RAMSEY		364	GUNN & RAMSEY	
11501	03/18/2024	FLEIS & VANDENBRINK	458.60	0.00
			458.60	**0.00**
LEAK BRANCH NO. 9		466	LEAK BRANCH NO. 9	
11502	03/18/2024	PRECISION GRADE EXCAVATING, LLC	89.05	0.00
11503	03/18/2024	PRECISION GRADE EXCAVATING, LLC	0.00	4,442.05
			89.05	**4,442.05**
COLBY & BROWNING		345	COLBY & BROWNING	
11504	03/18/2024	MARTIN EXCAVATING	0.00	8,800.00
			0.00	**8,800.00**
LEAK BRANCH NO. 9		466	LEAK BRANCH NO. 9	
11505	03/20/2024	PRECISION GRADE EXCAVATING, LLC	0.00	560.00
			0.00	**560.00**
LOWREY & STATE ROAD		255	LOWREY & STATE ROAD	
11506	04/03/2024	LRE	1,196.23	0.00
			1,196.23	**0.00**
DOXIE & WELLS		210	DOXIE & WELLS	
11507	04/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	157.56	0.00
			157.56	**0.00**
LOWREY HUBBARD & BRANCHES		272	LOWREY HUBBARD & BRANCHES	
11508	04/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	24.93	0.00
			24.93	**0.00**
MORRISON LAKE		278	MORRISON LAKE	
11509	04/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	525.40	0.00
			525.40	**0.00**
DOOLITTLE & DAVID		300	DOOLITTLE & DAVID	
11510	04/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	596.80	0.00
			596.80	**0.00**
BOND PUMPING STATION		383A	BOND PUMPING STATION	
11511	04/04/2024	CONSUMERS ENERGY	95.30	0.00
			95.30	**0.00**
LONG LAKE WEED CONTROL		042	LONG LAKE WEED CONTROL	
11512	04/17/2024	PROGRESSIVE	2,625.00	0.00
			2,625.00	**0.00**
LOWREY & STATE ROAD		255	LOWREY & STATE ROAD	
11513	04/17/2024	QUANTUM CONSTRUCTION CO.	51,001.65	0.00
			51,001.65	**0.00**
CHURCHILL		404	CHURCHILL	

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CHURCHILL		404		CHURCHILL
11514	04/17/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	141.26	0.00
11515	04/17/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	18,058.74
			141.26	**18,058.74**
LEPARD		222		LEPARD
11516	04/17/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	75.12	0.00
11517	04/17/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	325.99
			75.12	**325.99**
CHURCHILL		404		CHURCHILL
11518	04/17/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	279.64
			0.00	**279.64**
ALLARDING		292		ALLARDING
11519	05/01/2024	BARRY COUNTY TREASURER	777.00	0.00
			777.00	**0.00**
LOWREY & STATE ROAD		255		LOWREY & STATE ROAD
11520	05/01/2024	LRE	2,703.53	0.00
			2,703.53	**0.00**
ROLLOF		502		ROLLOF
11521	05/01/2024	C.L. TRUCKING & EXCAVATING, LLC	195.84	0.00
11522	05/01/2024	C.L. TRUCKING & EXCAVATING, LLC	0.00	704.16
			195.84	**704.16**
CHURCHILL		404		CHURCHILL
11523	05/01/2024	THOMAS EXCAVATING	0.00	2,175.00
			0.00	**2,175.00**
HALLADAY		449		HALLADAY
11524	05/01/2024	THOMAS EXCAVATING	531.51	0.00
11525	05/01/2024	THOMAS EXCAVATING	0.00	3,093.49
			531.51	**3,093.49**
WRIGHT & DUNSMORE		279		WRIGHT & DUNSMORE
11526	05/01/2024	THOMAS EXCAVATING	625.00	0.00
			625.00	**0.00**
HUGH & BAIRD		347		HUGH & BAIRD
11527	05/01/2024	THOMAS EXCAVATING	3,557.01	0.00
11528	05/01/2024	THOMAS EXCAVATING	0.00	4,157.99
			3,557.01	**4,157.99**
TYLER CREEK INTERCOUNTY		252		TYLER CREEK INTERCOUNTY
11529	05/01/2024	KENT COUNTY DRAIN COMMISSION	17,505.31	0.00
			17,505.31	**0.00**
FAHEY EXTENSION		427		FAHEY EXTENSION
11530	05/01/2024	MONTCALM COUNTY TREASURER	344.88	0.00

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FAHEY EXTENSION		427		FAHEY EXTENSION
			344.88	**0.00**
DALTON		418		DALTON
11531	05/01/2024	MONTCALM COUNTY TREASURER	4,524.17	0.00
			4,524.17	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11532	05/01/2024	PLM LAKE & LAND MANAGEMENT CORP	1,760.00	0.00
			1,760.00	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11533	05/01/2024	PLM LAKE & LAND MANAGEMENT CORP	2,057.50	0.00
			2,057.50	**0.00**
ROLLOF		502		ROLLOF
11534	05/01/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	127.11
			0.00	**127.11**
GEER & CULVER		297		GEER & CULVER
11535	05/01/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	469.00	0.00
			469.00	**0.00**
BOSTON & CAMPBELL		331		BOSTON & CAMPBELL
11536	05/01/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	838.20	0.00
			838.20	**0.00**
ROLLOF		502		ROLLOF
11537	05/01/2024	BUCK GARLAND EXCAVATING LLC	0.00	2,362.50
			0.00	**2,362.50**
SHELLENBERGER		508		SHELLENBERGER
11538	05/01/2024	BUCK GARLAND EXCAVATING LLC	1,152.91	0.00
11539	05/01/2024	BUCK GARLAND EXCAVATING LLC	0.00	2,357.09
			1,152.91	**2,357.09**
LEPARD		222		LEPARD
11540	05/01/2024	BUCK GARLAND EXCAVATING LLC	629.90	0.00
11541	05/01/2024	BUCK GARLAND EXCAVATING LLC	0.00	4,017.60
			629.90	**4,017.60**
MORRISON LAKE		278		MORRISON LAKE
11542	05/01/2024	BUCK GARLAND EXCAVATING LLC	2,178.00	0.00
			2,178.00	**0.00**
LOOKING GLASS RIVER VIEW		580		LOOKING GLASS RIVER VIEW
11543	05/01/2024	BUCK GARLAND EXCAVATING LLC	1,485.00	0.00
			1,485.00	**0.00**
GEER & CULVER		297		GEER & CULVER
11544	05/01/2024	BUCK GARLAND EXCAVATING LLC	1,245.00	0.00
			1,245.00	**0.00**

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BOND PUMPING STATION		383A		BOND PUMPING STATION
11545	05/02/2024	CONSUMERS ENERGY	123.52	0.00
			123.52	**0.00**
KLINGMAN & JARSTFER		464		KLINGMAN & JARSTFER
11546	05/09/2024	HURON COMMUNITY BANK	32,275.55	0.00
11547	05/09/2024	HURON COMMUNITY BANK	7,304.14	0.00
			39,579.69	**0.00**
LOWREY & SHERWOOD		254		LOWREY & SHERWOOD
11548	05/09/2024	LEE, JOANNE F	13,858.73	0.00
			13,858.73	**0.00**
ROWE & HALL		231		ROWE & HALL
11549	05/09/2024	LEE, JOANNE F	5,250.68	0.00
			5,250.68	**0.00**
SNOW		237		SNOW
11550	05/09/2024	LEE, JOANNE F	5,591.07	0.00
			5,591.07	**0.00**
SHELLHORN & REAHM		291		SHELLHORN & REAHM
11551	05/09/2024	LEE, JOANNE F	10,230.63	0.00
			10,230.63	**0.00**
HULL, SNELL, MC KENDRY & BRANCHES		303		HULL, SNELL, MC KENDRY & BRANCHES
11552	05/09/2024	LEE, JOANNE F	6,800.36	0.00
			6,800.36	**0.00**
BENNETT		311		BENNETT
11553	05/09/2024	LEE, JOANNE F	2,602.78	0.00
			2,602.78	**0.00**
HITCHCOCK		269		HITCHCOCK
11554	05/09/2024	LEE, JOANNE F	7,867.48	0.00
			7,867.48	**0.00**
WHITE		256		WHITE
11555	05/09/2024	LEE, JOANNE F	3,573.70	0.00
			3,573.70	**0.00**
BURT & NORTCUTT		207		BURT & NORTCUTT
11556	05/09/2024	LEE, JOANNE F	2,807.91	0.00
			2,807.91	**0.00**
BADGLEY		307		BADGLEY
11557	05/09/2024	LEE, JOANNE F	5,105.29	0.00
			5,105.29	**0.00**
KELSEY		367		KELSEY
11558	05/09/2024	LEE, JOANNE F	10,210.58	0.00
			10,210.58	**0.00**

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BALDERSON & EXTENSION		242	BALDERSON & EXTENSION	
11559	05/09/2024	LEE, JOANNE F	5,911.00	0.00
			5,911.00	**0.00**
GLOSTRICK & JANES		436	GLOSTRICK & JANES	
11560	05/09/2024	LEE, JOANNE F	11,992.71	0.00
			11,992.71	**0.00**
SLAYBAUGH		287	SLAYBAUGH	
11561	05/09/2024	LEE, JOANNE F	2,297.38	0.00
			2,297.38	**0.00**
TUTTLE & WHITMORE		529	TUTTLE & WHITMORE	
11562	05/09/2024	LEE, JOANNE F	5,105.29	0.00
			5,105.29	**0.00**
GLOSTRICK & RAYMOR		437	GLOSTRICK & RAYMOR	
11563	05/09/2024	LEE, JOANNE F	1,837.90	0.00
			1,837.90	**0.00**
KELSEY		367	KELSEY	
11564	05/09/2024	LEE, JOANNE F	8,474.78	0.00
			8,474.78	**0.00**
GETZ		273	GETZ	
11565	05/09/2024	LEE, JOANNE F	6,126.35	0.00
			6,126.35	**0.00**
BRICKER & BRANCHES		389	BRICKER & BRANCHES	
11566	05/09/2024	LEE, JOANNE F	8,934.25	0.00
			8,934.25	**0.00**
HORNER		336	HORNER	
11567	05/09/2024	LEE, JOANNE F	11,992.71	0.00
			11,992.71	**0.00**
SNYDER & WALKER INTERCOUNTY		238	SNYDER & WALKER INTERCOUNTY	
11568	05/09/2024	MERCANTILE BANK	35,003.00	0.00
			35,003.00	**0.00**
ARNOLD		591	ARNOLD	
11569	05/09/2024	MERCANTILE BANK	39,745.00	0.00
			39,745.00	**0.00**
MONTCALM - IONIA (INTER-COUNTY)		477	MONTCALM - IONIA (INTER-COUNTY)	
11570	05/14/2024	MONTCALM COUNTY TREASURER	1,176.42	0.00
			1,176.42	**0.00**
DANIELS BRANCH		363	DANIELS BRANCH	
11571	05/14/2024	CUNNINGHAM FAMILY FARMS LLC	0.00	1,092.90
			0.00	**1,092.90**
HACK & KEARY		445	HACK & KEARY	

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HACK & KEARY		445		HACK & KEARY
11572	05/14/2024	SC FARMS, LLC	1,535.00	0.00
			1,535.00	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11573	05/14/2024	FAHEY SCHULTZ BURZYCH RHODES PLC	50.00	0.00
			50.00	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11574	05/14/2024	PLM LAKE & LAND MANAGEMENT CORP	2,681.55	0.00
			2,681.55	**0.00**
PASCHE		488		PASCHE
11575	05/14/2024	MARTIN EXCAVATING	0.00	2,300.00
			0.00	**2,300.00**
BENTON		379		BENTON
11576	05/14/2024	BEARD EXCAVATING	120.00	0.00
			120.00	**0.00**
WEST BRANCH OF BRICKER		350		WEST BRANCH OF BRICKER
11577	05/14/2024	BEARD EXCAVATING	3,240.00	0.00
			3,240.00	**0.00**
BENEDICT & KOHN		377		BENEDICT & KOHN
11578	05/14/2024	BEARD EXCAVATING	3,582.88	0.00
11579	05/14/2024	BEARD EXCAVATING	0.00	3,542.12
			3,582.88	**3,542.12**
STUART & GREEN		250		STUART & GREEN
11580	05/14/2024	BEARD EXCAVATING	1,695.00	0.00
			1,695.00	**0.00**
BLACK CREEK		366		BLACK CREEK
11581	05/14/2024	BEARD EXCAVATING	5,200.00	0.00
			5,200.00	**0.00**
COLDWATER RIVER		409		COLDWATER RIVER
11582	05/14/2024	STREAMSIDE ECOLOGICAL SERVICES	435.00	0.00
			435.00	**0.00**
TOWNLINE & LIBHART CREEK		525		TOWNLINE & LIBHART CREEK
11583	05/14/2024	THOMAS EXCAVATING	2,598.00	0.00
			2,598.00	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11585	05/16/2024		190.00	0.00
			190.00	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11586	06/03/2024	PLM LAKE & LAND MANAGEMENT CORP	17,734.23	0.00
11587	06/03/2024	PLM LAKE & LAND MANAGEMENT CORP	7,804.83	0.00

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MORRISON LAKE - LAKE BOARD		043	MORRISON LAKE - LAKE BOARD	
			25,539.06	**0.00**
BRICKER & BRANCHES		389	BRICKER & BRANCHES	
11588	06/03/2024	BEARD EXCAVATING	11,520.00	0.00
			11,520.00	**0.00**
HILE & MCPHERSON		216	HILE & MCPHERSON	
11589	06/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	119.17	0.00
11590	06/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	19.83
			119.17	**19.83**
LOWREY HUBBARD & BRANCHES		272	LOWREY HUBBARD & BRANCHES	
11591	06/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	83.13	0.00
			83.13	**0.00**
HARTWELL		572	HARTWELL	
11592	06/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	383.44	0.00
			383.44	**0.00**
GIBSON BRANCH OF BRICKER		289	GIBSON BRANCH OF BRICKER	
11593	06/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	104.02	0.00
			104.02	**0.00**
ROSENBERGER		341	ROSENBERGER	
11594	06/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	725.43	0.00
			725.43	**0.00**
BOSTON & CAMPBELL		331	BOSTON & CAMPBELL	
11595	06/03/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	139.00	0.00
			139.00	**0.00**
DOOLITTLE & DAVID		300	DOOLITTLE & DAVID	
11596	06/03/2024	CENTRAL MICHIGAN PONDS & EXCAVATIN	0.00	5,580.00
			0.00	**5,580.00**
JORDAN LAKE BOARD		044	JORDAN LAKE BOARD	
11597	06/03/2024	PLM LAKE & LAND MANAGEMENT CORP	49,095.00	0.00
			49,095.00	**0.00**
ORANGE COMBINATION		225	ORANGE COMBINATION	
11598	06/03/2024	LRE	0.00	1,747.76
			0.00	**1,747.76**
LOWREY & STATE ROAD		255	LOWREY & STATE ROAD	
11599	06/03/2024	LRE	4,152.34	0.00
			4,152.34	**0.00**
ROSENBERGER		341	ROSENBERGER	
11600	06/03/2024	SWISSLANE FARMS, INC.	1,203.11	0.00
11601	06/03/2024	SWISSLANE FARMS, INC.	0.00	96.89
			1,203.11	**96.89**

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ALLARDING		292		ALLARDING
11602	06/07/2024	BARRY COUNTY TREASURER	536.00	0.00
			536.00	**0.00**
BOND PUMPING STATION		383A		BOND PUMPING STATION
11603	06/10/2024	CONSUMERS ENERGY	90.93	0.00
			90.93	**0.00**
KLINGMAN & JARSTFER		464		KLINGMAN & JARSTFER
11604	06/10/2024	MICHIGAN CUSTOM EXC.	1,250.00	0.00
			1,250.00	**0.00**
NYE & STAIRS		334		NYE & STAIRS
11605	06/10/2024	MICHIGAN CUSTOM EXC.	1,165.85	0.00
11606	06/10/2024	MICHIGAN CUSTOM EXC.	0.00	84.15
			1,165.85	**84.15**
GIBSON BRANCH OF BRICKER		289		GIBSON BRANCH OF BRICKER
11607	06/10/2024	CENTRAL MI LAWN CARE & EXCAV,LLC	287.12	0.00
11608	06/10/2024	CENTRAL MI LAWN CARE & EXCAV,LLC	0.00	112.88
			287.12	**112.88**
SHOOK & ROWE		235		SHOOK & ROWE
11609	06/10/2024	THOMAS EXCAVATING	1,448.00	0.00
			1,448.00	**0.00**
CODDING		407		CODDING
11610	06/10/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	1,320.50
			0.00	**1,320.50**
ORANGE COMBINATION		225		ORANGE COMBINATION
11611	06/10/2024	FAHEY SCHULTZ BURZYCH RHODES PLC	0.00	100.00
			0.00	**100.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11612	06/10/2024	FAHEY SCHULTZ BURZYCH RHODES PLC	1,072.00	0.00
			1,072.00	**0.00**
CHURCHILL		404		CHURCHILL
11613	05/15/2024	HAZEL BROS. DRAINAGE, LLC	0.00	10,539.27
11614	06/10/2024	HAZEL BROS. DRAINAGE, LLC	0.00	54.00
			0.00	**10,593.27**
HART (INTER-COUNTY)		318		HART (INTER-COUNTY)
11615	06/10/2024	EATON COUNTY DRAIN COMM.	63.82	0.00
			63.82	**0.00**
ORANGE COMBINATION		225		ORANGE COMBINATION
11616	06/10/2024	HAZEL BROS. DRAINAGE, LLC	0.00	4,640.00
			0.00	**4,640.00**
CODDING		407		CODDING

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
CODDING		407		CODDING
11617	06/10/2024	CENTRAL MICHIGAN PONDS & EXCAVATIN	0.00	1,440.00
			0.00	**1,440.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11618	06/11/2024	PLM LAKE & LAND MANAGEMENT CORP	22,106.38	0.00
			22,106.38	**0.00**
ROLLOF		502		ROLLOF
11619	07/01/2024	LAWLESS VEGETATION MANAGEMENT	209.25	0.00
			209.25	**0.00**
HILE & MCPHERSON		216		HILE & MCPHERSON
11620	07/01/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	0.00	551.00
			0.00	**551.00**
ORANGE COMBINATION		225		ORANGE COMBINATION
11621	07/01/2024	LRE	0.00	1,865.62
			0.00	**1,865.62**
LOWREY & STATE ROAD		255		LOWREY & STATE ROAD
11622	07/01/2024	LRE	6,375.00	0.00
			6,375.00	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11623	07/01/2024	PLM LAKE & LAND MANAGEMENT CORP	3,893.55	0.00
			3,893.55	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11624	07/01/2024	PLM LAKE & LAND MANAGEMENT CORP	16,462.56	0.00
			16,462.56	**0.00**
HARTWELL		572		HARTWELL
11625	07/01/2024	BUCK GARLAND EXCAVATING LLC	630.00	0.00
			630.00	**0.00**
ROSENBERGER		341		ROSENBERGER
11626	07/01/2024	BUCK GARLAND EXCAVATING LLC	0.00	1,050.00
			0.00	**1,050.00**
HILE & MCPHERSON		216		HILE & MCPHERSON
11627	07/01/2024	BUCK GARLAND EXCAVATING LLC	0.00	7,810.00
			0.00	**7,810.00**
YEOMANS, SANFORD A.		233		YEOMANS, SANFORD A.
11628	07/01/2024	BUCK GARLAND EXCAVATING LLC	114.07	0.00
11629	07/01/2024	BUCK GARLAND EXCAVATING LLC	0.00	2,378.43
			114.07	**2,378.43**
COLDWATER RIVER		409		COLDWATER RIVER
11630	07/08/2024	STREAMSIDE ECOLOGICAL SERVICES	450.00	0.00
			450.00	**0.00**

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
BOND PUMPING STATION		383A		BOND PUMPING STATION
11631	07/09/2024	CONSUMERS ENERGY	13.80	0.00
			13.80	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11632	07/09/2024	FAHEY SCHULTZ BURZYCH RHODES PLC	2,151.70	0.00
			2,151.70	**0.00**
GEER & CULVER		297		GEER & CULVER
11633	07/09/2024	FAHEY SCHULTZ BURZYCH RHODES PLC	300.00	0.00
			300.00	**0.00**
ORANGE COMBINATION		225		ORANGE COMBINATION
11634	07/09/2024	FAHEY SCHULTZ BURZYCH RHODES PLC	0.00	1,600.00
			0.00	**1,600.00**
CHURCHILL		404		CHURCHILL
11635	07/09/2024	HAZEL BROS. DRAINAGE, LLC	930.27	0.00
			930.27	**0.00**
MORRISON LAKE - LAKE BOARD		043		MORRISON LAKE - LAKE BOARD
11636	07/09/2024	PLM LAKE & LAND MANAGEMENT CORP	14,279.94	0.00
			14,279.94	**0.00**
LONG LAKE WEED CONTROL		042		LONG LAKE WEED CONTROL
11637	07/09/2024	PLM LAKE & LAND MANAGEMENT CORP	23,380.00	0.00
			23,380.00	**0.00**
JORDAN LAKE BOARD		044		JORDAN LAKE BOARD
11638	07/09/2024	PLM LAKE & LAND MANAGEMENT CORP	2,727.00	0.00
			2,727.00	**0.00**
LOWREY & STATE ROAD		255		LOWREY & STATE ROAD
11639	07/10/2024	QUANTUM CONSTRUCTION CO.	3,403.85	0.00
			3,403.85	**0.00**
MC COY		308		MC COY
11640	07/10/2024	QUANTUM CONSTRUCTION CO.	4,874.00	0.00
			4,874.00	**0.00**
SHOOK & ROWE		235		SHOOK & ROWE
11641	07/10/2024	QUANTUM CONSTRUCTION CO.	17,898.00	0.00
			17,898.00	**0.00**
TOWNLINE & LIBHART CREEK		525		TOWNLINE & LIBHART CREEK
11642	07/10/2024	QUANTUM CONSTRUCTION CO.	8,004.47	0.00
			8,004.47	**0.00**
BOSTON & CAMPBELL		331		BOSTON & CAMPBELL
11643	07/10/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	264.10	0.00
			264.10	**0.00**
LONG LAKE WEED CONTROL		042		LONG LAKE WEED CONTROL

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
LONG LAKE WEED CONTROL		042	LONG LAKE WEED CONTROL	
11644	08/01/2024	PROGRESSIVE	2,625.00	0.00
			2,625.00	**0.00**
SHELLHORN & REAHM		291	SHELLHORN & REAHM	
11645	08/01/2024	GEIGER, RANDY	975.00	0.00
			975.00	**0.00**
ORANGE COMBINATION		225	ORANGE COMBINATION	
11646	08/01/2024	LRE	0.00	1,146.79
			0.00	**1,146.79**
HOLMES & SPEARS & EXT		217	HOLMES & SPEARS & EXT	
11647	08/01/2024	ECC ENTERPRISES, LLC	166.96	0.00
11648	08/01/2024	ECC ENTERPRISES, LLC	0.00	2,000.56
			166.96	**2,000.56**
GUNN & RAMSEY		364	GUNN & RAMSEY	
11649	08/01/2024	FLEIS & VANDENBRINK	1,271.35	0.00
			1,271.35	**0.00**
MORRISON LAKE - LAKE BOARD		043	MORRISON LAKE - LAKE BOARD	
11650	08/01/2024	PLM LAKE & LAND MANAGEMENT CORP	12,821.98	0.00
			12,821.98	**0.00**
BOND PUMPING STATION		383A	BOND PUMPING STATION	
11651	08/07/2024	CONSUMERS ENERGY	120.27	0.00
			120.27	**0.00**
JORDAN LAKE BOARD		044	JORDAN LAKE BOARD	
11652	08/07/2024	PLM LAKE & LAND MANAGEMENT CORP	2,509.85	0.00
			2,509.85	**0.00**
LONG LAKE WEED CONTROL		042	LONG LAKE WEED CONTROL	
11653	08/07/2024	PLM LAKE & LAND MANAGEMENT CORP	5,909.18	0.00
			5,909.18	**0.00**
ORANGE COMBINATION		225	ORANGE COMBINATION	
11654	08/07/2024	FAHEY SCHULTZ BURZYCH RHODES PLC	0.00	125.00
			0.00	**125.00**
MORRISON LAKE - LAKE BOARD		043	MORRISON LAKE - LAKE BOARD	
11655	08/07/2024	FAHEY SCHULTZ BURZYCH RHODES PLC	3,835.89	0.00
11656	08/07/2024	PLM LAKE & LAND MANAGEMENT CORP	12,909.23	0.00
			16,745.12	**0.00**
CLARK & WELCH		405	CLARK & WELCH	
11657	08/07/2024	SOIL & WATER MANAGEMENT SYSTEMS, I	522.50	0.00
			522.50	**0.00**
BONNIE MOOR		384	BONNIE MOOR	
11658	08/19/2024	C.L. TRUCKING & EXCAVATING, LLC	381.01	0.00

Drain Order List Report by Drain

Drain Orders from 09/01/2023 to 08/31/2024

Order #	Order Date	In Favor of	Regular	Revolving
BONNIE MOOR		384		BONNIE MOOR
11659	08/19/2024	C.L. TRUCKING & EXCAVATING, LLC	0.00	128.99
			381.01	**128.99**
FAHRNI		428		FAHRNI
11660	08/20/2024	LRE	645.00	0.00
			645.00	**0.00**
MORRISON LAKE - LAKE BOARD		043	MORRISON LAKE - LAKE BOARD	
11661	08/21/2024	PLM LAKE & LAND MANAGEMENT CORP	2,186.65	0.00
			2,186.65	**0.00**
LONG LAKE WEED CONTROL		042	LONG LAKE WEED CONTROL	
11662	08/21/2024	PLM LAKE & LAND MANAGEMENT CORP	25,212.50	0.00
			25,212.50	**0.00**
PETERSON & MEYERS		316		PETERSON & MEYERS
11663	08/30/2024	HAZEL BROS. DRAINAGE, LLC	60.00	0.00
			60.00	**0.00**
Number of Drain Orders:		1	***1,117,537.47***	***141,061.72***

2024

The following drains were assessed to take care of work done on them.

NAME OF DRAIN		AMOUNT
Arnold Drain (#591)	$	36,078.75
Ayers and Branch (#372)	$	5,425.99
Badgley (#307)	$	2,000.00
Balderson & Extension (#242)	$	5,788.74
Benedict & Kohn (#377)	$	3,999.96
Bennett (#311)	$	2,551.21
Bliss and McClelland (#203)	$	70,785.32
Bond Pumping (#383A)	$	1,700.00
Bonnie and Moor	$	3,500.00
Boston and Campbell	$	10,000.00
Bricker & Branches (#389)	$	14,730.63
Churchill (#404)	$	8,917.84
Clark & Welch (#405)	$	5,500.00
Clinton and Ionia (#288)	$	9,000.00
Codding (#407)	$	2,249.98
Colby and Browning ICD (#345)	$	5,670.24
Crane & Doxie (#208)	$	6,210.63
Dalton (#418)	$	3,750.00
Daniels Branch (#363)	$	2,500.00
Doolittle and David (#300)	$	6,666.65
Fahey Extension ICD (#427)	$	343.00
Gibson Branch of Bricker (#289)	$	5,000.08
Glostrick & Janes (#436)	$	11,815.04
Guilford (#320)	$	5,097.81
Gunn & Ramsey (#364)	$	8,837.57
Halladay (#449)	$	2,760.94
Hile & McPherson (#216)	$	5,090.26
Hitchcock (#269)	$	7,811.69
Holmes & Spears Ext. (#217)	$	10,000.00
Horner (#336)	$	5,540.32
Hugh & Baird (#347)	$	2,760.93
Hull, Snell & McKendry (#303)	$	7,500.00
Jordan Lake - Lake Board (#044)	$	34,290.00
Jordan Lake Dam (#325)	$	15,492.05
King & Wolcott (#263)	$	5,000.00
Klahn & Scoville (#463)	$	7,750.84
Klingman & Jarstfer (#464)	$	30,176.38
Knox & Dilley (#271)	$	2,760.99
Koutz (#221)	$	7,749.88
Leak Branch #9 (#466)	$	3,037.06
Lepard (#222)	$	3,037.03

Long Lake Weed Control (#042)	$	82,048.00
Lowrey, Hubbard & Branches (#272)	$	7,500.00
McCausey & Branches (#550)	$	1,320.00
Montcalm & Ionia ICD (#477)	$	1,169.97
Morrison Lake - Lake Board (#043)	$	176,475.00
Nye & Stairs (#334)	$	2,500.00
Pasche (#488)	$	4,141.46
Pineview (#573A)	$	650.00
Pline & Toan (#228)	$	3,500.00
Rolloff (#502)	$	2,760.96
Rosenberger (#341)	$	2,500.00
Rowe & Hall (#231)	$	5,125.03
Sandford & York (#232)	$	5,000.00
Sebewa (#507)	$	5,500.34
Shawley (#582)	$	5,000.00
Shellenberger (#508)	$	5,000.00
Snow (#237)	$	5,391.77
Stambaugh (#513)	$	2,500.00
U.S. 16 (#530)	$	3,000.00
Wright and Dunsmore (#279)	$	3,994.83
Yeomans, Sanford A (#233)	$	3,000.00
TOTAL	**$**	**716,955.17**

COUNTY AT LARGE
2024

NAME OF DRAIN	AMOUNT
Arnold Drain (#591)	$ 3,685.86
Ayers and Branch (#372)	$ 325.56
Badgley (#307)	$ 350.00
Balderson & Extension (#242)	$ 868.32
Benedict & Kohn (#377)	$ 1,200.00
Bennett (#311)	$ 510.28
Bliss and McClelland (#203)	$ 11,193.98
Bonnie and Moor	$ 315.00
Boston and Campbell	$ 1,675.21
Bricker & Branches (#389)	$ 2,476.08
Churchill (#404)	$ 1,426.85
Clark & Welch (#405)	$ 825.00
Clinton and Ionia (#288)	$ 1,800.00
Codding (#407)	$ 450.00
Colby and Browning ICD (#345)	$ 850.45
Crane & Doxie (#208)	$ 1,300.00
Dalton (#418)	$ 750.00
Daniels Branch (#363)	$ 500.00
Doolittle and David (#300)	$ 2,733.33
Fahey Extension ICD (#427)	$ 68.60
Gibson Branch of Bricker (#289)	$ 741.49
Glostrick & Janes (#436)	$ 2,621.30
Guilford (#320)	$ 1,019.56
Gunn & Ramsey (#364)	$ 1,817.48
Halladay (#449)	$ 1,518.51
Hile & McPherson (#216)	$ 763.50
Hitchcock (#269)	$ 937.40
Holmes & Spears Ext. (#217)	$ 1,918.95
Horner (#336)	$ 1,174.45
Hugh & Baird (#347)	$ 441.75
Hull, Snell & McKendry (#303)	$ 1,125.00
Jordan Lake Dam (#325)	$ 774.55
King & Wolcott (#263)	$ 1,250.00
Klahn & Scoville (#463)	$ 1,169.36
Klingman & Jarstfer (#464)	$ 9,654.71
Knox & Dilley (#271)	$ 386.53
Koutz (#221)	$ 1,550.00
Leak Branch #9 (#466)	$ 607.40
Lepard (#222)	$ 607.40
Long Lake Weed Control (#042)	$ -
Lowrey, Hubbard & Branches (#272)	$ 852.42

McCausey & Branches (#550)	$	300.04
Montcalm & Ionia ICD (#477)	$	175.50
Morrison Lake - Lake Board (#043)	$	-
Nye & Stairs (#334)	$	500.00
Pasche (#488)	$	579.80
Pineview (#573A)	$	195.00
Pline & Toan (#228)	$	1,050.00
Rolloff (#502)	$	552.19
Rosenberger (#341)	$	450.00
Rowe & Hall (#231)	$	768.75
Sandford & York (#232)	$	492.12
Sebewa (#507)	$	825.00
Shawley (#582)	$	100.00
Shellenberger (#508)	$	1,000.00
Snow (#237)	$	1,365.00
Stambaugh (#513)	$	375.00
U.S. 16 (#530)	$	300.00
Wright and Dunsmore (#279)	$	798.97
Yeomans, Sanford A (#233)	$	300.00
	$	74,363.65

2024

The following drains are in the Revolving Fund on August 31, 2024

Name of Drain	Amount in Revolving Fund on 8-31-24	Assessed in 2024- Revolving Fund to be Reimbursed from this Fund
Hile & McPherson	$ 8,380.83	$ 5,090.26
Holmes & Spears	$ 2,000.56	$ 10,000.00
Koutz	$ 4,153.01	$ 7,749.88
Orange Combination	$ 13,036.89	$ -
Pline & Tone	$ 950.53	$ 3,500.00
Sandborn & York	$ 2,024.53	$ 5,000.00
Yeomans, Sandord A.	$ 2,378.43	$ 3,000.00
Gibson Branch of Bricker	$ 112.88	$ 2,500.00
Doolittle & David	$ 8,595.10	$ 6,666.65
Badgley	$ 152.42	$ 2,000.00
Bennett	$ 50.95	$ 2,551.21
Nye & Stairs	$ 84.15	$ 2,500.00
Rosenberger	$ 1,146.89	$ 2,500.00
Daniels Branch	$ 1,441.79	$ 2,500.00
Benedict & Kohn	$ 3,560.12	$ 3,999.96
Bonnie Moor	$ 128.99	$ 3,500.00
Codding	$ 4,622.82	$ 2,249.98
Cook	$ 630.12	$ -
Purcell	$ 47.79	$ -
Shellenberger	$ 2,357.09	$ 5,000.00
U.S. 16	$ 1,598.72	$ 3,000.00
Pineview	$ 650.00	$ 650.00
Shawley	$ 2,538.65	$ 5,000.00
TOTAL	$ 60,643.26	$ 78,957.94

Amount of Revolving Fund	$ 100,000.00
Amount Drawn off Revolving Fund	$ 60,643.26
Balance of Revolving Fund	$ 39,356.74

STATISTICS

YEAR	TOTAL DRAINS ASSESSED	DRAINS ASSESSED AT LARGE	DRAINS ASSESSED ON DESCRIPTION	COUNTY AT LARGE	TOTAL ASSESSED
1990	51	16	35	$ 45,917.55	$ 356,590.91
1991	66	10	56	$ 53,471.68	$ 483,656.40
1992	67	3	64	$ 64,268.71	$ 476,940.18
1993	64	2	62	$ 74,518.59	$ 556,636.34
1994	62	5	57	$ 73,138.61	$ 530,429.35
1995	77	9	68	$ 96,520.70	$ 732,793.47
1996	60	5	55	$ 106,850.97	$ 816,501.01
1997	62	5	57	$ 111,077.96	$ 887,428.28
1998	61	4	57	$ 88,647.36	$ 737,608.29
1999	55	5	50	$ 90,324.20	$ 766,061.67
2000	46	4	42	$ 82,068.68	$ 703,942.84
2001	51	7	44	$ 83,146.51	$ 591,088.46
2002	52	1	51	$ 80,472.37	$ 574,932.67
2003	47	3	44	$ 64,899.30	$ 484,579.81
2004	42	3	39	$ 68,479.37	$ 491,310.74
2005	56	4	52	$ 98,586.22	$ 620,619.43
2006	52	2	50	$ 77,960.13	$ 514,631.62
2007	57	7	50	$ 71,843.82	$ 525,352.47
2008	41	3	38	$ 69,076.86	$ 497,018.98
2009	66	6	60	$ 81,875.92	$ 576,953.07
2010	75	4	71	$ 85,519.22	$ 599,771.13
2011	84	1	83	$ 94,994.12	$ 671,688.49
2012	88	4	84	$ 107,400.31	$ 738,298.59
2013	75	0	75	$ 99,347.33	$ 703,368.19
2014	67	3	64	$ 93,697.08	$ 695,032.75
2015	80	4	76	$ 104,076.98	$ 822,552.40
2016	81	3	78	$ 101,830.36	$ 785,159.73
2017	78	2	76	$ 90,023.03	$ 671,294.75
2018	71	1	70	$ 81,489.51	$ 657,029.80
2019	75	1	74	$ 115,855.49	$ 907,185.52
2020	76	1	75	$ 89,819.36	$ 711,380.49
2021	70	3	67	$ 86,686.23	$ 693,044.60
2022	69	1	68	$ 90,527.96	$ 726,226.71
2023	77	2	75	$ 103,471.75	$ 756,695.81
2024	61	1	62	$ 74,363.65	$ 716,955.17

2024

Following are the total number of parcels that we have assessed on each drain.

NAME OF DRAIN	NUMBER OF PARCELS
Arnold Drain (#591)	108
Ayers and Branch (#372)	34
Badgley (#307)	33
Balderson & Extension (#242)	78
Benedict & Kohn (#377)	18
Bennett (#311)	45
Bliss and McClelland (#203)	125
Bond Pumping (#383A)	2
Bonnie and Moor	9
Boston and Campbell	142
Bricker & Branches (#389)	192
Churchill (#404)	9
Clark & Welch (#405)	37
Clinton and Ionia (#288)	76
Codding (#407)	8
Colby and Browning ICD (#345)	125
Crane & Doxie (#208)	38
Dalton (#418)	32
Daniels Branch (#363)	18
Doolittle and David (#300)	20
Fahey Extension ICD (#427)	2
Gibson Branch of Bricker (#289)	31
Glostrick & Janes (#436)	56
Guilford (#320)	25
Gunn & Ramsey (#364)	104
Halladay (#449)	5
Hile & McPherson (#216)	89
Hitchcock (#269)	20
Holmes & Spears Ext. (#217)	340
Horner (#336)	19
Hugh & Baird (#347)	11
Hull, Snell & McKendry (#303)	143
Jordan Lake - Lake Board (#044)	192
Jordan Lake Dam (#325)	384
King & Wolcott (#263)	32
Klahn & Scoville (#463)	128
Klingman & Jarstfer (#464)	143
Knox & Dilley (#271)	24
Koutz (#221)	50

Leak Branch #9 (#466)	19
Lepard (#222)	5
Long Lake Weed Control (#042)	250
Lowrey, Hubbard & Branches (#272)	61
McCausey & Branches (#550)	15
Montcalm & Ionia ICD (#477)	7
Morrison Lake - Lake Board (#043)	320
Nye & Stairs (#334)	32
Pasche (#488)	32
Pineview (#573A)	0
Pline & Toan (#228)	43
Rolloff (#502)	6
Rosenberger (#341)	14
Rowe & Hall (#231)	24
Sandford & York (#232)	51
Sebewa (#507)	128
Shawley (#582)	128
Shellenberger (#508)	87
Snow (#237)	44
Stambaugh (#513)	36
U.S. 16 (#530)	12
Wright and Dunsmore (#279)	20
Yeomans, Sanford A (#233)	40
TOTAL	**4,321**