IONIA COUNTY BOARD OF COMMISSIONERS
BOARD OF COMMISSIONERS MEETING
MARCH 12, 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)

VII. Unfinished Business
A.

VIII. New Business
A. Review Road Department's proposed millage projects-Connie Houk, Prein & Newhof
B. Appointment to Community Mental Health Service Board
   - Deborah McPeek-McFadden, three-year term
   - Gretchen Nyland, three-year term
C. Request Approval of Health Department Budget Amendment-Chad Shaw/Brenda Ingersoll
D. Request Approval of Contract Amendment to Increase Ionia County Community Corrections FY24 Grant Award-Selina Schmidt
E. Request Approval of Contract with TRICAP for Ionia County Community Corrections FY24-Selina Schmidt
F. Request Approval of the Opioids RFP-Patrick Jordan
G. Request Approval of Agency Signature on a Memorandum of Agreement with MDHHA/PBHASA for Senior Project Fresh and purchase of coupons-Carol Hanulcik
H. Request Approval of Substance Use Disorder Oversight Policy Board Intergovernmental Agreement

I. Approval of Proposed Materials Management Committee-Melissa Eldridge
J. Request Approval for Agreement for Sheriff's Office Services Between The Village of Clarksville and the County of Ionia-Sheriff Noll

IX. Department Reports

A. Sheriff 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. Adjournment

Board and/or Commission Vacancies

- Economic Development Corporation/Brownfield Redevelopment Authority – Two- three-year terms.
- Central Dispatch-One-two-year Emergency Medical Representative and one-two-year Township Board Representative
- Solid Waste Planning Committee-one-two-year term serving as industrial waste generator representative, one-two year term serving as General Public Representative
- Area Agency on Aging of Western Michigan Advisory Council-one three year term

Appointments for consideration in the month of March 2024:

- Community Mental Health Service Board

Appointments for consideration in the month of April 2024:

- Economic Development Corporation/Brownfield Redevelopment Authority
- Land Bank Authority

IONIA COUNTY BOARD OF COMMISSIONERS
David Hodges, Chairman

February 27, 2023, 3:00 p.m.
Minutes

Members Present: 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: County Commissioner David Hodges

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

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

II. Pledge of Allegiance
Frewen led pledge of allegiance.

III. Invocation
Kelley led the Invocation.

IV. Approval of Agenda
Board discussed agenda.
Motion to Approve Agenda
Moved by Shattuck
Supported by Tiejema
Motion carried by voice vote

V. Public Comment
Hesche commented on the renovations to the Ionia County Administration Building.

VI. Action on the Consent Calendar
Board discussed correction of per diem amounts.
Consent Agenda was approved by unanimous consent.

VII. Unfinished Business
Board discussed the creation of a Finance committee to conduct monthly budget meetings. Board discussed role of the audit committee vs. finance committee.

Board discussed frequency of meeting, subject of meetings, authority of committee.

Motion to Create Finance Committee
Moved by Tiejema
Supported by Shattuck
Motion carried by voice vote

VIII. New Business

Board discussed reappointment of Ethan Ebenstein to one-year term on the Tax Allocation Board. Board discussed position and qualifications.

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

Board discussed approval of 2024 Marine Safety Patrol Grant submission. Sheriff Charlie Noll presented the grant and recommended approval.

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

Board discussed approval of rental agreement renewal with Give 'Em A Break Safety LLC for one trailer mounted attenuator with arrow board and two trailer mounted message centers. Road Department Director Linda Pigue presented the request and recommended approval.

Motion to Approve Agreement
Moved by Tiejema
Supported by Kelley
Motion carried by voice vote

Board discussed approval of roadside and guardrail brush spraying contract renewal with the Daltons Inc. Road Department Director Linda Pigue presented the request and recommended approval.

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

Board discussed approval of Petroleum Traders Corporation contract renewal for diesel fuel. Road Department Director Linda Pigue presented the request and recommended approval.

Motion to Approve Contract Renewal
Moved by Kelley
Supported by Wirtz
Motion carried by voice vote

Board discussed approval Corrigan Environmental Solutions contract renewal for dust control. Road Department Director Linda Pigue presented the request and recommended approval. Board discussed commitments by Corrigan to improved service.

Motion to Approve Contract Renewal
Moved by Kelley
Supported by Tiejema
Motion carried by voice vote

Board discussed approval to purchase two dump trucks and motor grader. Road Department Director Linda Pigue presented the request and recommended approval. Board discussed vehicle details, current vehicle budget and merits of refurbishment.

Motion to Approve Purchase of Two Plow Trucks
Moved by Tiejema
Supported by Shattuck
Motion carried by voice vote

Motion to Approve Purchase or Refurbishment of Existing Motor Grader Equipment not to exceed $400,000
Moved by Kelley
Supported by Wirtz
Motion carried by voice vote

Board discussed approval of Michigan Pavement Marking LCC contract renewal for road marking. Road Department Director Linda Pigue presented the request and recommended approval.

Motion to Approve Contract Renewal
Moved by Tiejema
Supported by Kelley
Motion carried by voice vote

Board discussed ratification of signature on letter of agreement to receive donation. Commission on Aging Director Carol Hanulcik presented the letter of agreement and recommended approval.

Motion to Ratify Signature
Moved by Shattuck
Supported by Wirtz
Motion carried by voice vote

Board discussed approval of Motorola Service Agreement renewal. Central Dispatch Director Lance Langdon presented the agreement and recommended approval.

Motion to Approve Agreement Renewal
Moved by Tiejema
Supported by Kelley
Motion carried by voice vote

Board discussed approval of changes to the Overtime and Compensatory Time Section of the Personnel Policy. Human Resources Director Priscilla Walden presented the changes and recommended approval.

Motion to Approve Changes to Personnel Policy
Moved by Shattuck
Supported by Wirtz
Motion carried by voice vote

IX. Department Reports

No Department Reports.

X. Reports of Officers, Boards, and Standing Committees

Frewen commented on updates to Road Department Buildings and on the ICEA meeting.
Kelley commented on budget for strategic planning, updates to Road Department Buildings, and on staff withing Road Department.
Shattuck commented on Park Board Meeting and Road Department Pension.
Tiejema commended on Asset Committee through Michigan Works, AAAWM Meeting and Medicare counselors.
Jordan commented on MSU Extension, Public Defenders Office, FEMA project, Opioid Task Force, historic flag removal and upcoming facilities committee meeting.

XI. Reports of Special or Ad Hoc Committees

No Special or Ad Hoc Committee reports.

XII. Public Comment

Lance Langdon commented on 800mhz Radios.
Greg Geiger commented on election day and early voting.

XIII. Adjournment

Motion to Adjourn at 4:37 p.m.
Moved by Kelley
Supported by Shattuck
Motion carried by voice vote

David Hodges, Chairman

Greg Geiger, County Clerk











Primary & Local Road Project Update

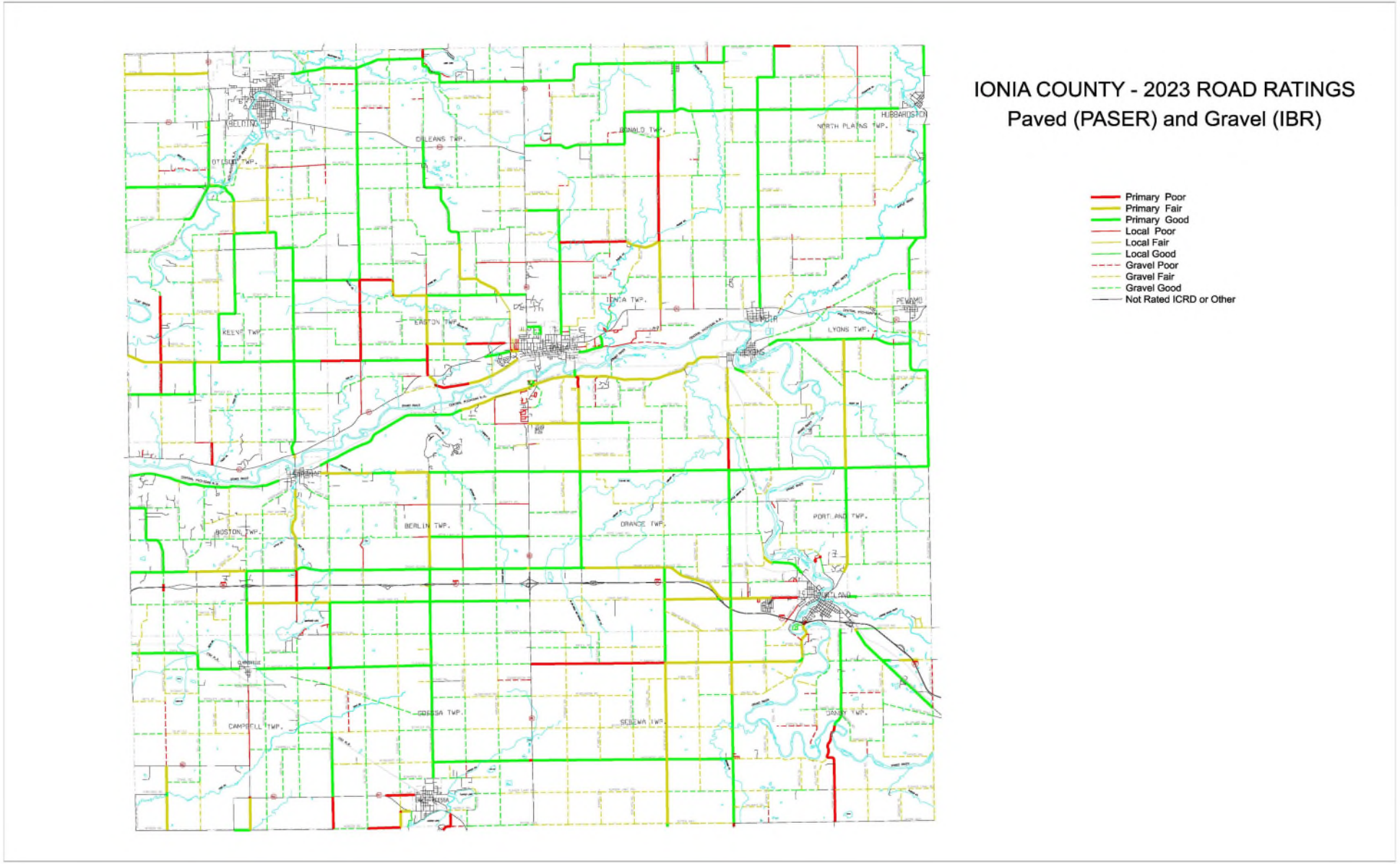
Ionia County Road Department

Board of Commissioners Meeting

March 12, 2024

Prein&Newhof

County 2023 Road Ratings Map



Rating system

Surface rating	*Visible distress**	*General condition/ treatment measures*
10 Excellent	None.	New construction.
9 Excellent	None.	Recent overlay. Like new.
8 Very Good	No longitudinal cracks except reflection of paving joints. Occasional transverse cracks, widely spaced (40' or greater). All cracks sealed or tight (open less than 1/4").	Recent sealcoat or new cold mix. Little or no maintenance required.
7 Good	Very slight or no raveling, surface shows some traffic wear. Longitudinal cracks (open 1/4") due to reflection or paving joints. Transverse cracks (open 1/4") spaced 10' or more apart, little or slight crack raveling. No patching or very few patches in excellent condition.	First signs of aging. Maintain with routine crack filling.
6 Good	Slight raveling (loss of fines) and traffic wear. Longitudinal cracks (open 1/4"–1/2"), some spaced less than 10'. First sign of block cracking. Sight to moderate flushing or polishing. Occasional patching in good condition.	Shows signs of aging. Sound structural condition. Could extend life with sealcoat.
5 Fair	Moderate to severe raveling (loss of fine and coarse aggregate). Longitudinal and transverse cracks (open 1/2") show first signs of slight raveling and secondary cracks. First signs of longitudinal cracks near pavement edge. Block cracking up to 50% of surface. Extensive to severe flushing or polishing. Some patching or edge wedging in good condition.	Surface aging. Sound structural condition. Needs sealcoat or thin non-structural overlay (less than 2")
4 Fair	Severe surface raveling. Multiple longitudinal and transverse cracking with slight raveling. Longitudinal cracking in wheel path. Block cracking (over 50% of surface). Patching in fair condition. Slight rutting or distortions (1/2" deep or less).	Significant aging and first signs of need for strengthening. Would benefit from a structural overlay (2" or more).
3 Poor	Closely spaced longitudinal and transverse cracks often showing raveling and crack erosion. Severe block cracking. Some alligator cracking (less than 25% of surface). Patches in fair to poor condition. Moderate rutting or distortion (1" or 2" deep). Occasional potholes.	Needs patching and repair prior to major overlay. Milling and removal of deterioration extends the life of overlay.
2 Very Poor	Alligator cracking (over 25% of surface). Severe distortions (over 2" deep) Extensive patching in poor condition. Potholes.	Severe deterioration. Needs reconstruction with extensive base repair. Pulverization of old pavement is effective.
1 Failed	Severe distress with extensive loss of surface integrity.	Failed. Needs total reconstruction.

** Individual pavements will not have all of the types of distress listed for any particular rating. They may have only one or two types.*

Asphalt PASER

Modified for Michigan TAMC Data Collection

◆ Denotes Priority Distress

	Asphalt 10	Asphalt 9	Asphalt 8
Good	New construction (< 1 year old) No defects Recent base improvement *Possible Action:* *Proactive Preventative Maintenance (PPM)*	Like new condition (> 1 year old) No defects Recent overlay with or without a crush and shape *Possible Action:* *PPM*	◆ Transverse cracks: > 40' apart Cracks: tight (hairline) or sealed Longitudinal cracks: few, on joints Recent seal coat or slurry seal (*see below) *Possible Action:* *Crack seal or PPM*
	Asphalt 7	**Asphalt 6**	**Asphalt 5**
Fair	◆ Transverse cracks: 10'-40' apart Cracks: open < ¼" Crack erosion: none or little Surface raveling: none or little Patches: none or few in excellent condition First signs of wear *Possible Action:* *Maintain with crack seal, fog seal*	◆ Transverse cracks: < 10' apart ◆ Block cracking: 6'-10' Blocks (large, stable) Cracks open ¼" – ½" Surface raveling: slight Patches: few in good condition Polishing or flushing: slight, moderate Sound structural condition *Possible Action:* *Maintain with sealcoat*	◆ Block cracking: 1' – 5' blocks ◆ Longitudinal cracks: first signs, at edge ◆ Secondary cracks: first signs Cracks open > ½" Surface raveling: moderate Patching or wedging: good condition Polishing & flushing: extensive, severe Sound structural condition *Possible Action:* *Maintain with sealcoat or thin overlay*
	Asphalt 4	**Asphalt 3**	**Asphalt 2**
Poor	◆ Block cracking: < 1' blocks ◆ Wheel-path cracking (longitudinal) ◆ Rutting: ½" - 1" deep Transverse cracks: slight erosion Longitudinal cracks: slight erosion Surface raveling: severe Patches: fair condition First signs of structural weakening *Possible Action:* *Structural overlay > 2"* *Underseal*	◆ Block cracking: severe (like alligator) ◆ Alligator cracking: initial, < 25% ◆ Rutting: 1"- 2" deep Transverse cracks: extensive erosion Longitudinal cracks: extensive erosion Patches: fair/poor condition Potholes: occasional *Possible Action:* *Structural overlay > 2"* *Patching & repair prior to an overlay* *Milling to extend overlay life*	◆ Alligator cracks: > 25% ◆ Rutting or distortion: > 2" Cracks: closely spaced, with erosion Patches: extensive, in poor condition Potholes: frequent *Possible Action:* *Reconstruction with base repair* *Crush and shape* **Asphalt 1** Like PASER 2 but with visible base and: Surface distress: severe with loss of integrity *Possible Action:* *Reconstruction with base repair*

General Rating Tips

Rate surface distress, not ride quality. Be aware of cracks in the wheel path; they can be hard to see and do not affect the ride.

Disregard the shoulder. Rate only the driveable pavement, edge line to edge line.

Do not ignore reflective cracks. Rate by assessing the type of crack (e.g. transverse, longitudinal, alligator).

Rate the current surface condition. If construction is in progress (i.e., work is active) but you are driving on the old surface, rate the new surface. Some barrels by the roadside is ***not*** construction in progress.

Rate the lane with the worst condition when lanes have differing conditions. For variable surface types, rate the worst lane and select it as the *Surface Subtype*.

Rate what you see, not what distresses you think might happen in the future.

Rate roads with the same scrutiny regardless of their use, ownership, or functional class.

Rutting often has visual cues like plow scars. Get out and measure using a straight edge and tape measure. Use caution! Rutting measurement changes are detailed in the *TAMC Data Collection Training Manual*'s "Michigan-specific Asphalt Road Rating Guide" section, page 7.

Composite Pavement consists of a concrete pavement overlaid with asphalt; rate it based on the uppermost surface (e.g. asphalt); and note the *Surface Subtype* as composite. A repaired concrete pavement's highest rating is a 9. While it may have had concrete joint repairs, no other defects can be present and the condition is "like new". Note, this is ***not*** likely to occur.

Sealcoat pavements are sealcoat over gravel whereas sealcoat treatment is sealcoat applied over asphalt. See pages 6-7 of the TAMC Data Collection Manual for rating sealcoat pavements. *With proactive sealcoat treatments, do not downgrade an asphalt PASER 9 or 10 (no defects) to an asphalt PASER 8 because of the treatment. Rate it based on the distresses that are visible (see *TAMC Data Collection Training Manual*'s "Proactive Sealcoat Treatments on Asphalt PASER 9" section, page 8).

Inventory-based Rating System™ for Gravel Roads — Quick Guide

Surface Width

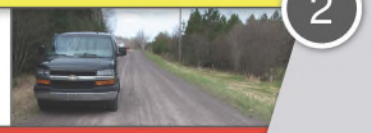
Good

22 ft or more
(6.7 m)



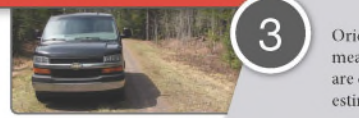
Fair

16 to 21 ft
(4.9 to 6.4 m)



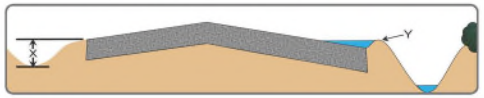
Poor

15 ft or less
(4.6 m)



1. Include any shoulder in the width that is suitable for travel
2. Be aware of trees and slopes that may influence your width perception
3. Orientate yourself by physically measuring the width until you are comfortable making accurate estimates from your vehicle

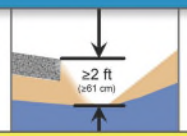
Drainage Adequacy



Good

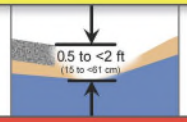
X is 2 ft or more
(61 cm)

No secondary ditches (Y) greater than 6" tall present



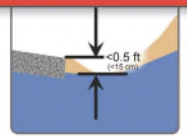
Fair

X is 0.5 to <2 ft
(15 to <61 cm)
OR X is 2 ft or more AND secondary ditches present

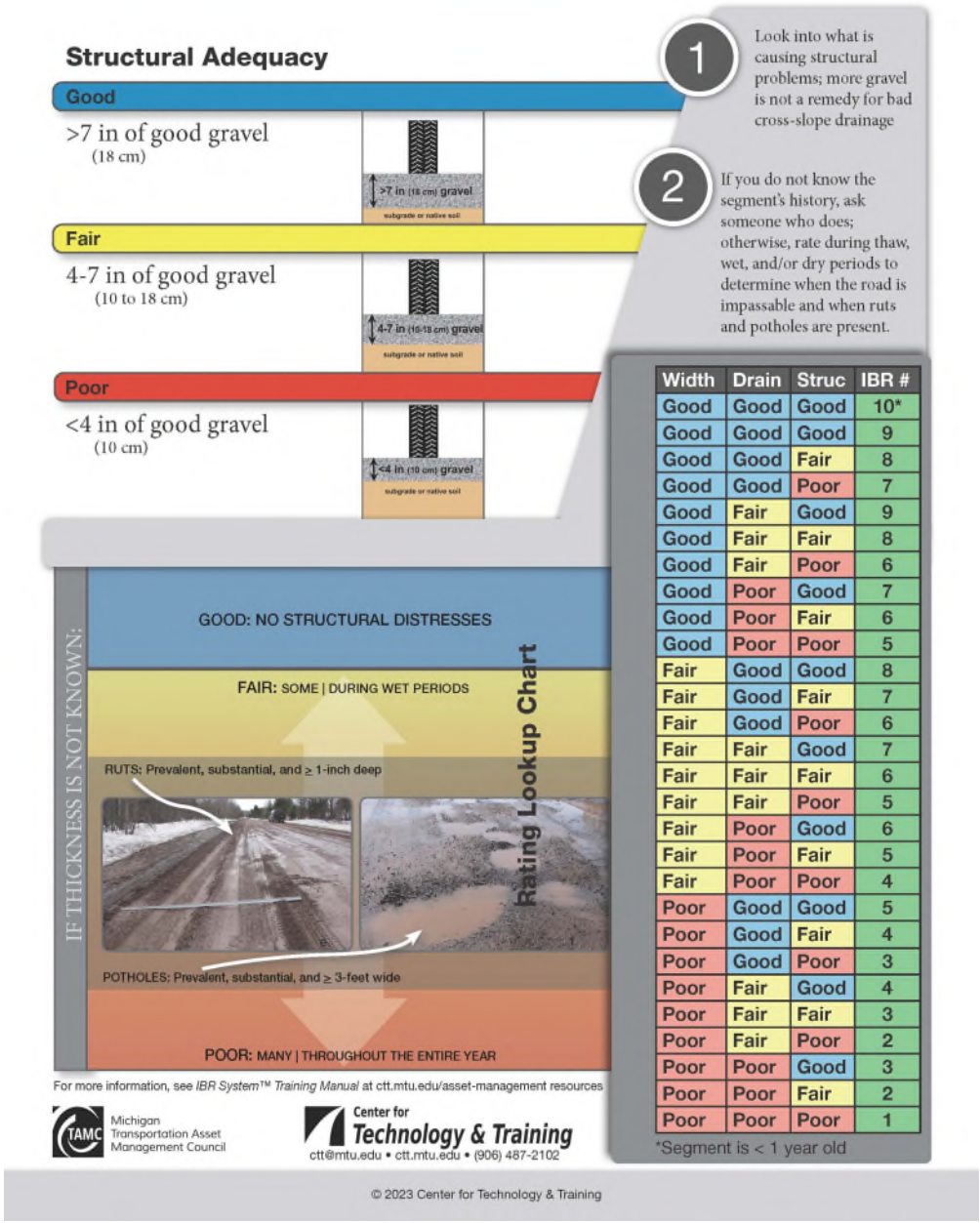


Poor

X is <0.5 ft
(15 cm)
Secondary ditches may or may not be present



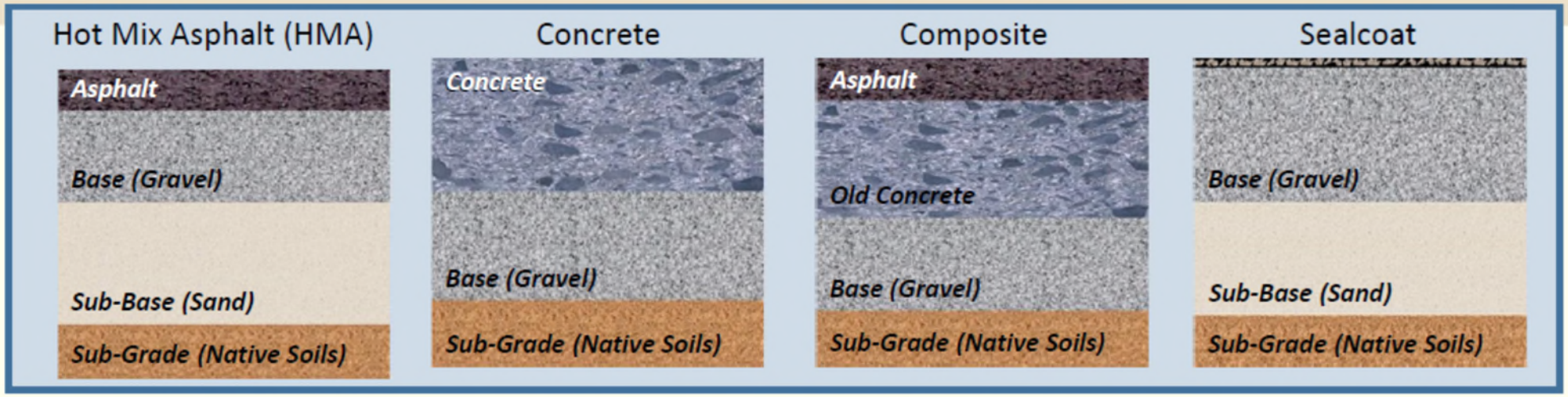
1. Note whether driveway culverts are present; if they are, then drainage is most likely good or fair
2. Be aware of conditions that would not warrant ditching (i.e., tops of hills) that may influence your perception of ditches
3. Measure the actual ditch depth until you are comfortable estimating accurately from your vehicle
4. Be aware of tall grass hiding ditches

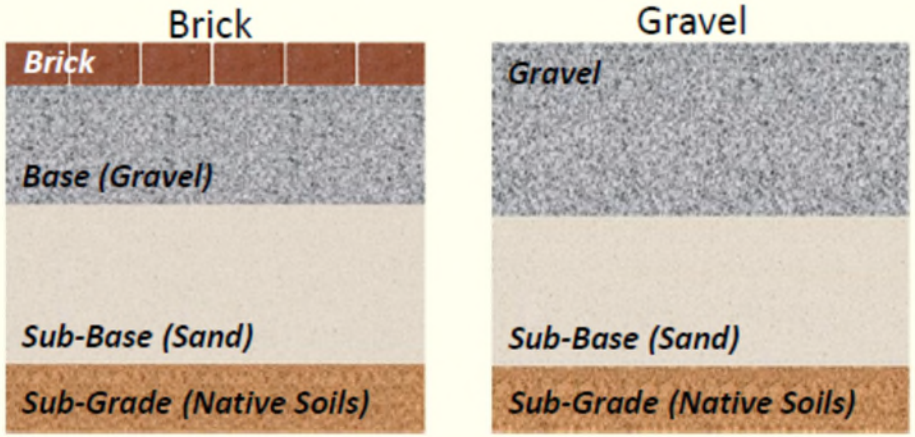


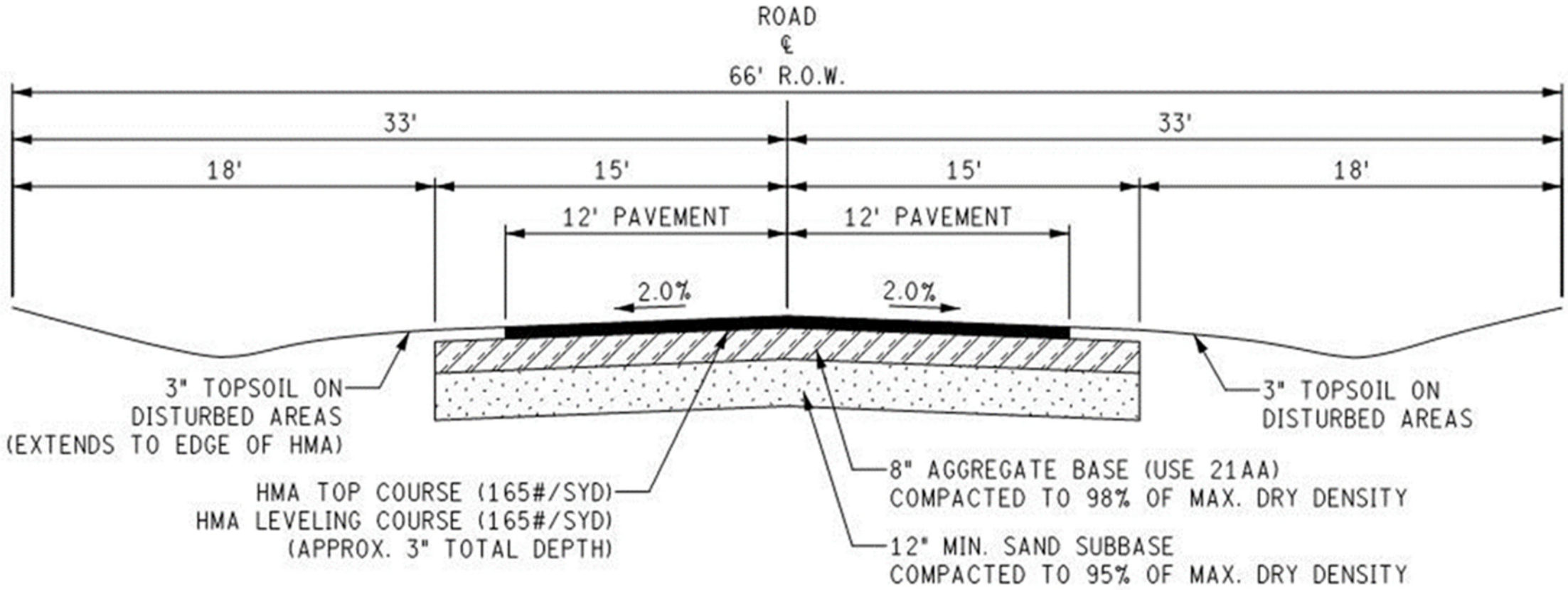
Width	Drain	Struc	IBR #
Good	Good	Good	10*
Good	Good	Good	9
Good	Good	Fair	8
Good	Good	Poor	7
Good	Fair	Good	9
Good	Fair	Fair	8
Good	Fair	Poor	6
Good	Poor	Good	7
Good	Poor	Fair	6
Good	Poor	Poor	5
Fair	Good	Good	8
Fair	Good	Fair	7
Fair	Good	Poor	6
Fair	Fair	Good	7
Fair	Fair	Fair	6
Fair	Fair	Poor	5
Fair	Poor	Good	6
Fair	Poor	Fair	5
Fair	Poor	Poor	4
Poor	Good	Good	5
Poor	Good	Fair	4
Poor	Good	Poor	3
Poor	Fair	Good	4
Poor	Fair	Fair	3
Poor	Fair	Poor	2
Poor	Poor	Good	3
Poor	Poor	Fair	2
Poor	Poor	Poor	1

*Segment is < 1 year old

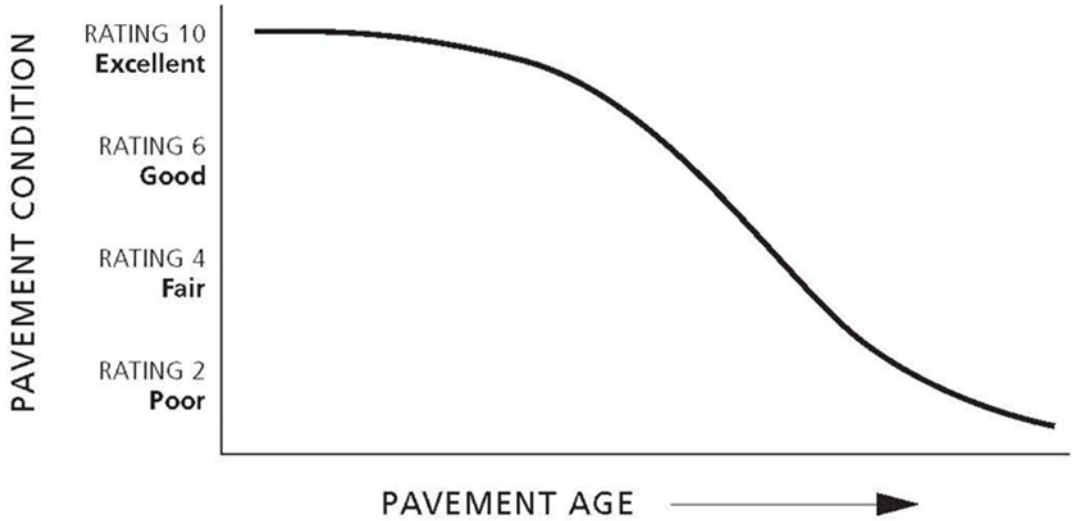
6 Major Pavement Types







TYPICAL ROAD CROSS SECTION



In addition to indicating the surface condition of a road, a given rating also includes a recommendation for needed maintenance or repair. This feature of the rating system facilitates its use and enhances its value as a tool in ongoing road maintenance.

RATINGS ARE RELATED TO NEEDED MAINTENANCE OR REPAIR

Rating 9 & 10	No maintenance required
Rating 8	Little or no maintenance
Rating 7	Routine maintenance, cracksealing and minor patching
Rating 5 & 6	Preservative treatments (sealcoating)
Rating 3 & 4	Structural improvement and leveling (overlay or recycling)
Rating 1 & 2	Reconstruction

Treatment Fixes

Preventive Maintenance (PM)

- Crack Sealing
- Chip Sealing with Fog Seal
- MicroSurfacing
- Ultra Thin Overlay

Rehabilitation & Reconstruction

- Mill and Overlay (2″ overlay)
- Crush and Shape with Overlay (3″ or more)
- Reconstruction

Each pavement fix has a life expectancy associated with it.

Doing the right fix at the right time optimizes your budget.



- Crack sealing



- Chip Sealing



- Fog Sealing



- Ultra Thin Overlay



- Milling

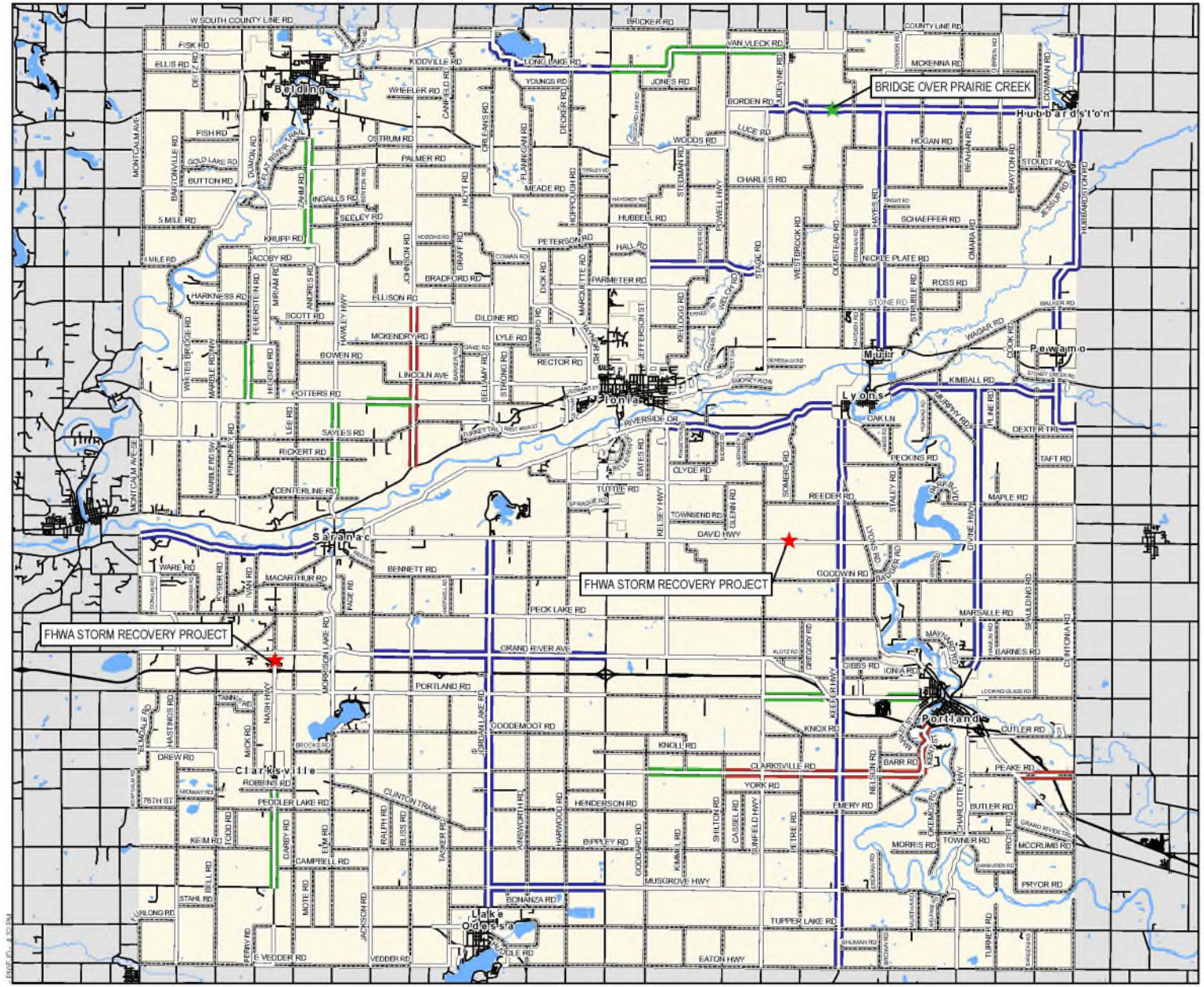


- Overlaying (Paving)



- Rolling

Road Millage Projects – by type of Fix Types



IONIA COUNTY ROAD DEPARTMENT

ROAD MILLAGE PROJECTS
PROJECT TYPES

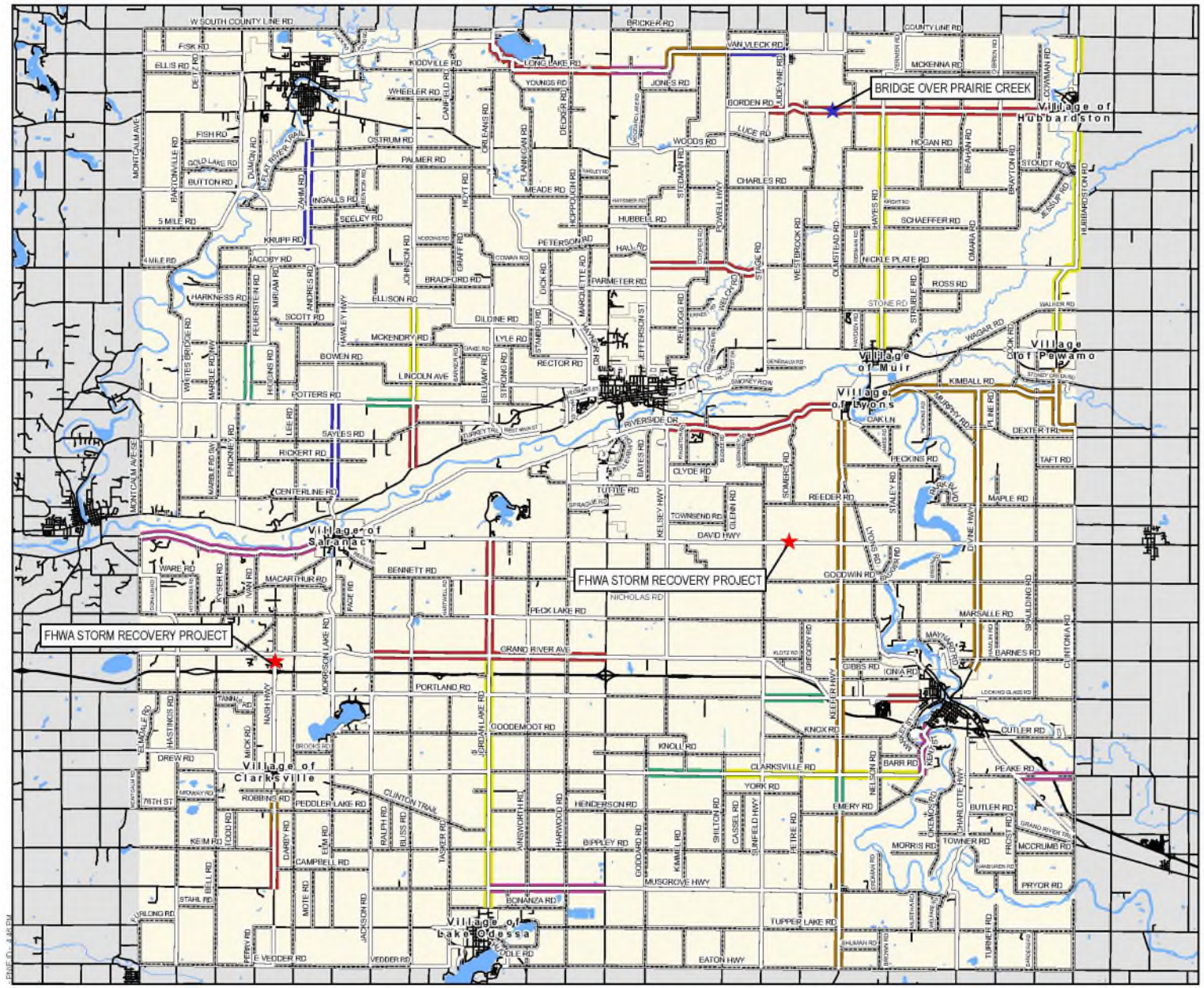
LEGEND

- Emergency Projects
- Preventative Maintenance Projects
- Reconstruction Projects
- Rehabilitation Projects
- Paved Local Road
- Gravel Local Road
- Other Roads

0 0.5 1 2 3 4 5
Miles

Prein&Newhof
2230002

Road Millage Projects 2024-2029



IONIA COUNTY ROAD DEPARTMENT

ROAD MILLAGE PROJECTS PROJECT YEARS

LEGEND

- Emergency Projects (2024)
- 2024
- 2025
- 2026
- 2027
- 2028
- 2029
- Paved Local Road
- Gravel Local Road
- Other Roads

Millage Projects List
2024-2029

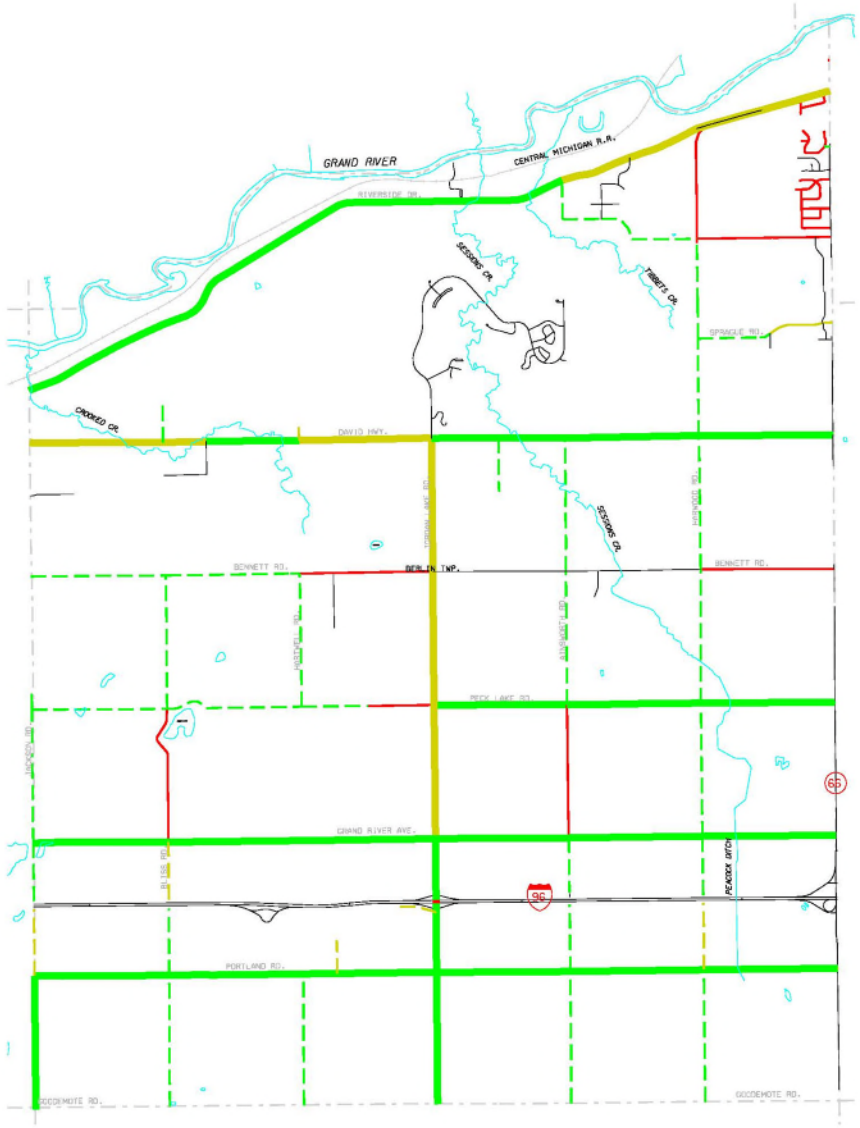
Year	Road Name	From	To	Proposed Wc Length (mi)	Estimated Cost
2024	Feuerstein Rd	Potters Rd	Richmond Rd	LAP Project	1.5 $ 409,000.00
2024	Nash Hwy			EmergencyProject	$ -
2024	David Hwy			EmergencyProject	$ -
2024	Clarksville	Goddard	Shilton	LAP Project	1.5 $ 127,426.00
2024	Keefer	Emery	Clarksville Rd	LAP Project	1 $ 100,000.00
2024	Potters	McKinch Rd	Johnson Rd	LAP Project	1.1 $ 112,000.00
2024	Portland Rd	Sunfield	I-96	CSP	1.5 $ 750,000.00
2025	Hawley Rd	Centerline Rd	Potters Rd	LAP Project	2.5 $ 253,034.00
2025	Van Vleck Rd	Powell Hwy	Judevine Rd	CSP	1.5 $ 750,000.00
2025	Borden Rd	Bridge		LAP Project	$ 200,000.00
2025	Zahm	Belding Limits	Krupp	LAP Project	1.5 $ 300,000.00
2026	Nash Hwy	M-50	North of Keim Rd	LAP Project	1.5 $ 159,884.00
2026	Long Lake Rd	M-66	Lakeview Dr	Chip/Fog	3.5 $ 122,500.00
2026	Borden Rd	Stage Rd	Hubbardston Rd	Crackseal	7 $ 70,000.00
2026	Jordan Lake Rd	Grand River	David	Crackseal	3 $ 30,000.00
2026	Grand River	Jackson	M-66	Crackseal	6 $ 60,000.00
2026	Johnson	M-21	Potters Rd	Overlay	2 $ 400,000.00
2026	Nickle Plate Rd	Jefferson	Stage	Crackseal	3 $ 30,000.00
2026	Riverside	Kelsey	V/Lyons	Chip/Fog	4.5 $ 157,500.00
2026	Grand River	Portland Limits	Pine Hill Circle	CSP	1 $ 500,000.00
2027	Nash Hwy	North of Keim	Clarksville Limits	LAP Project	1 $ 106,590.00
2027	Van Vleck Rd	Powell Hwy	Allan Rd	CSP	2 $ 1,000,000.00
2027	Hubbardston Rd	M-21	Clintonia Rd	Crackseal	5 $ 50,000.00
2027	Divine	Kimball	Portland Limits	Crackseal	8 $ 80,000.00
2027	Keefer	V/Lyons	County Line	Crackseal	15 $ 150,000.00
2027	Kimball	V/Lyons	Hubbardston Rd	Crackseal	4.5 $ 45,000.00
2028	Long Lake Rd	M-66	Allan Rd	CSP	1.5 $ 750,000.00
2028	Peake/Howe Rd	Grand River	County Line	Overlay	2 $ 400,000.00
2028	Musgrove	Jordan Lake Rd	M-66	Crackseal	3 $ 30,000.00
2028	Riverside Dr	Saranac	Montcalm Rd	Crackseal	6 $ 60,000.00
2028	Kent St	Portland Limits	Clarksville	Overlay	1.5 $ 300,000.00
2029	Hayes Rd	M21	Borden	Crackseal	6 $ 60,000.00
2029	Hubbardston Rd	V/Pewamo	North Cty Line	Crackseal	8 $ 80,000.00
2029	Johnson	Potters Rd	Ellison	Overlay	2.2 $ 440,000.00
2029	Jordan Lake Rd	Grand River	Lake Odessa	Crackseal	7 $ 70,000.00
2029	Clarksville Rd	2024 Project	Kent St	Overlay	6 $ 1,200,000.00
36					**122.3 $ 9,352,934.00**

Proposed Repair	Estimated Cost Per Mile
23A Limestone	$ 150,000.00
Chip/Fog	$ 35,000.00
Crackseal	$ 10,000.00
CSP	$ 500,000.00
EmergencyProject	$ -
Overlay	$ 200,000.00

Work Year	Sum of Estimated Cost	Sum of Length (mi)
2024	$ 1,498,426.00	6.6
2025	$ 1,503,034.00	5.5
2026	$ 1,529,884.00	31.5
2027	$ 1,431,590.00	35.5
2028	$ 1,540,000.00	14
2029	$ 1,850,000.00	29.2
Grand Total	**$ 9,352,934.00**	**122.3**

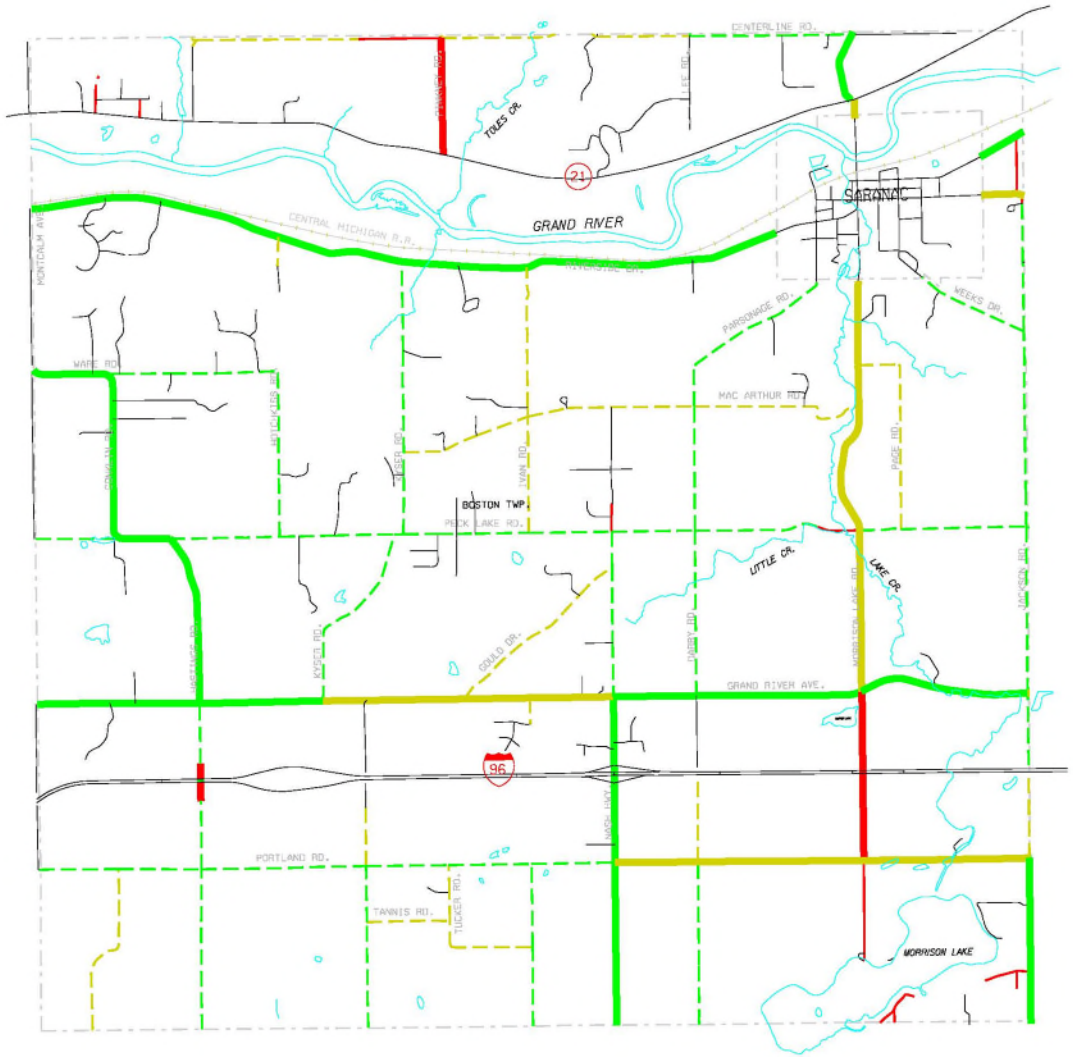
Work Type	Count of Road Name	Sum of Length (mi)	Sum of Estimated Cost
Chip/Fog	2	8	$ 280,000.00
Crackseal	13	81.5	$ 815,000.00
CSP	5	7.5	$ 3,750,000.00
EmergencyProject	2		$ -
LAP Project	9	11.6	$ 1,767,934.00
Overlay	5	13.7	$ 2,740,000.00
Grand Total	**36**	**122.3**	**$ 9,352,934.00**

Township 2023 Road Ratings Maps



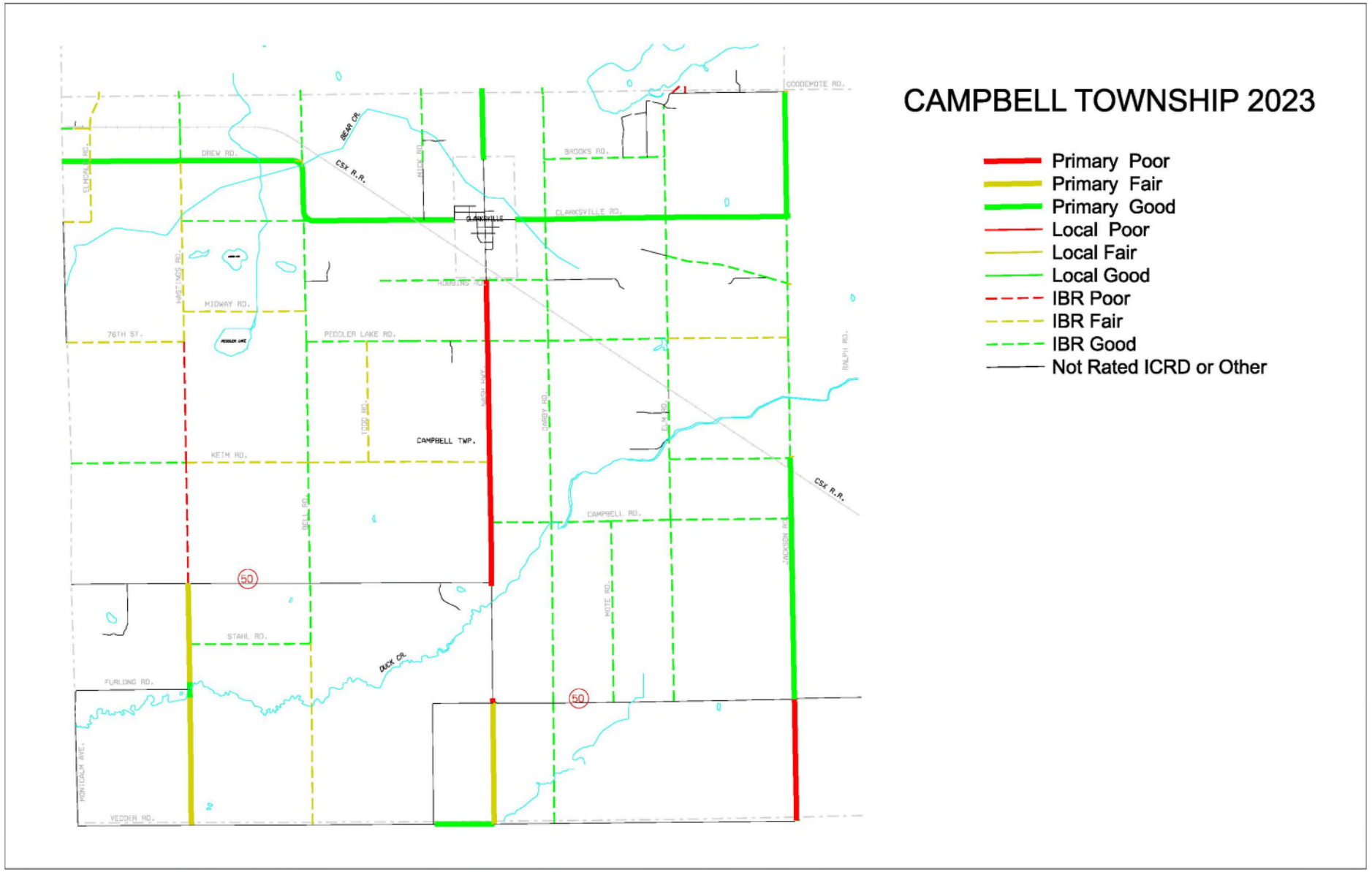
BERLIN TOWNSHIP 2023

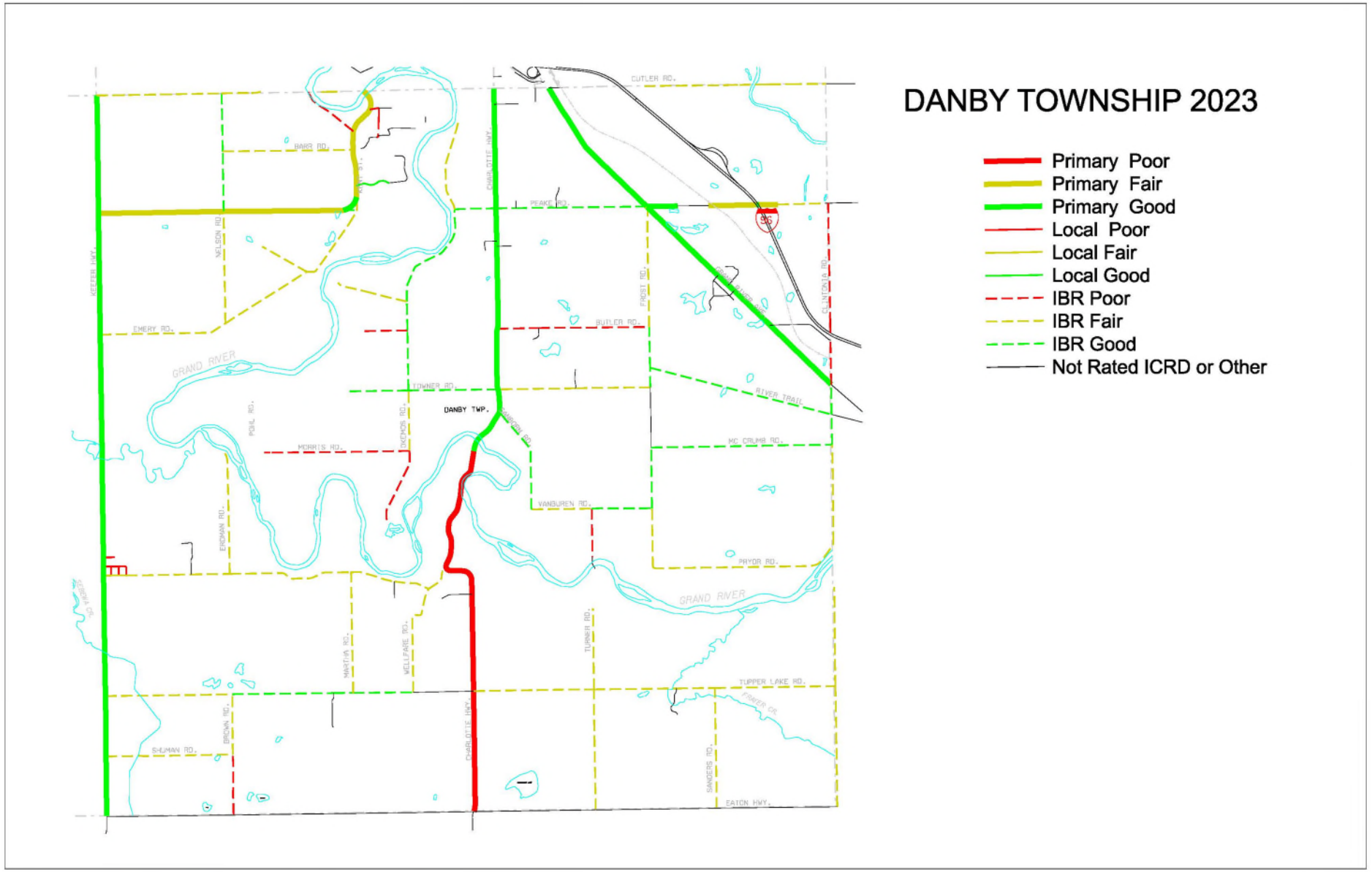
- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other

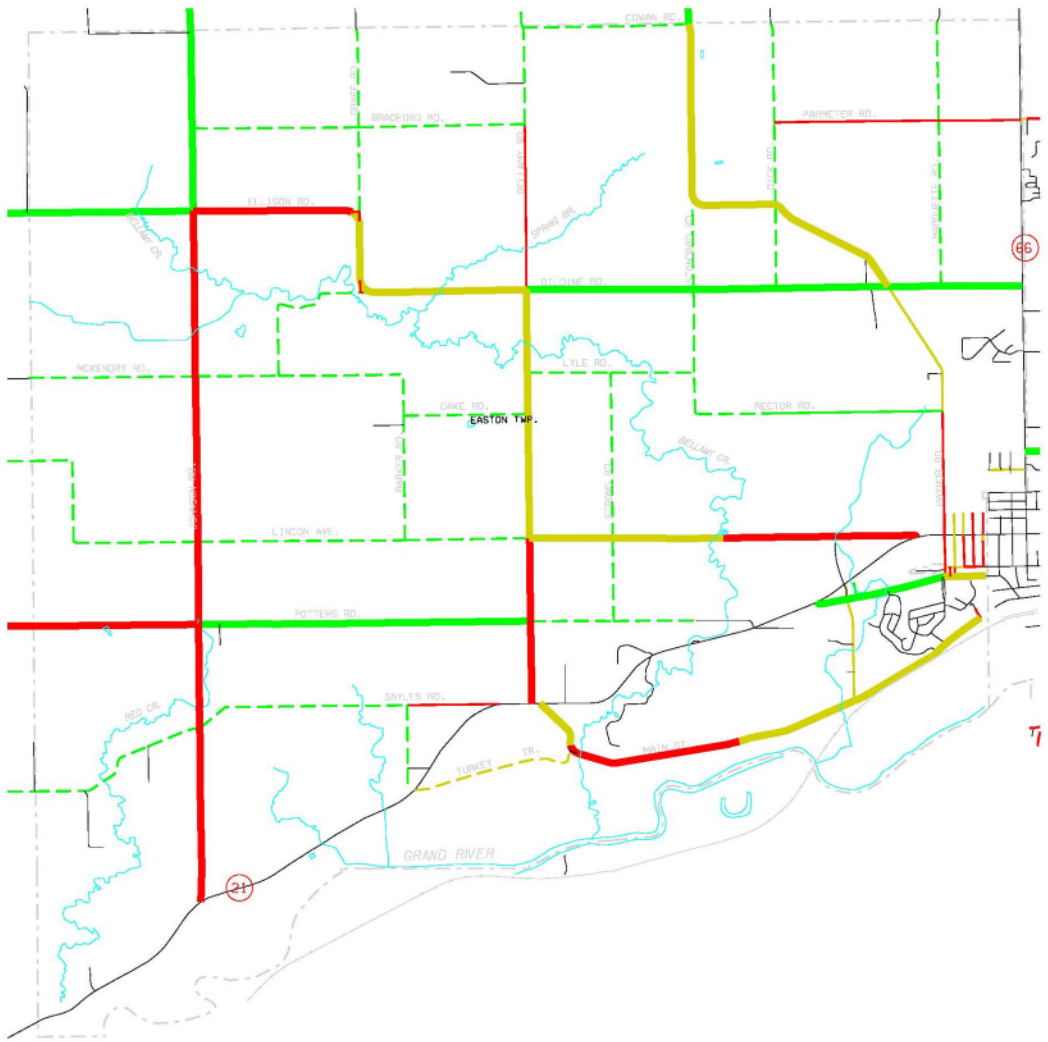


BOSTON TOWNSHIP 2023

- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other

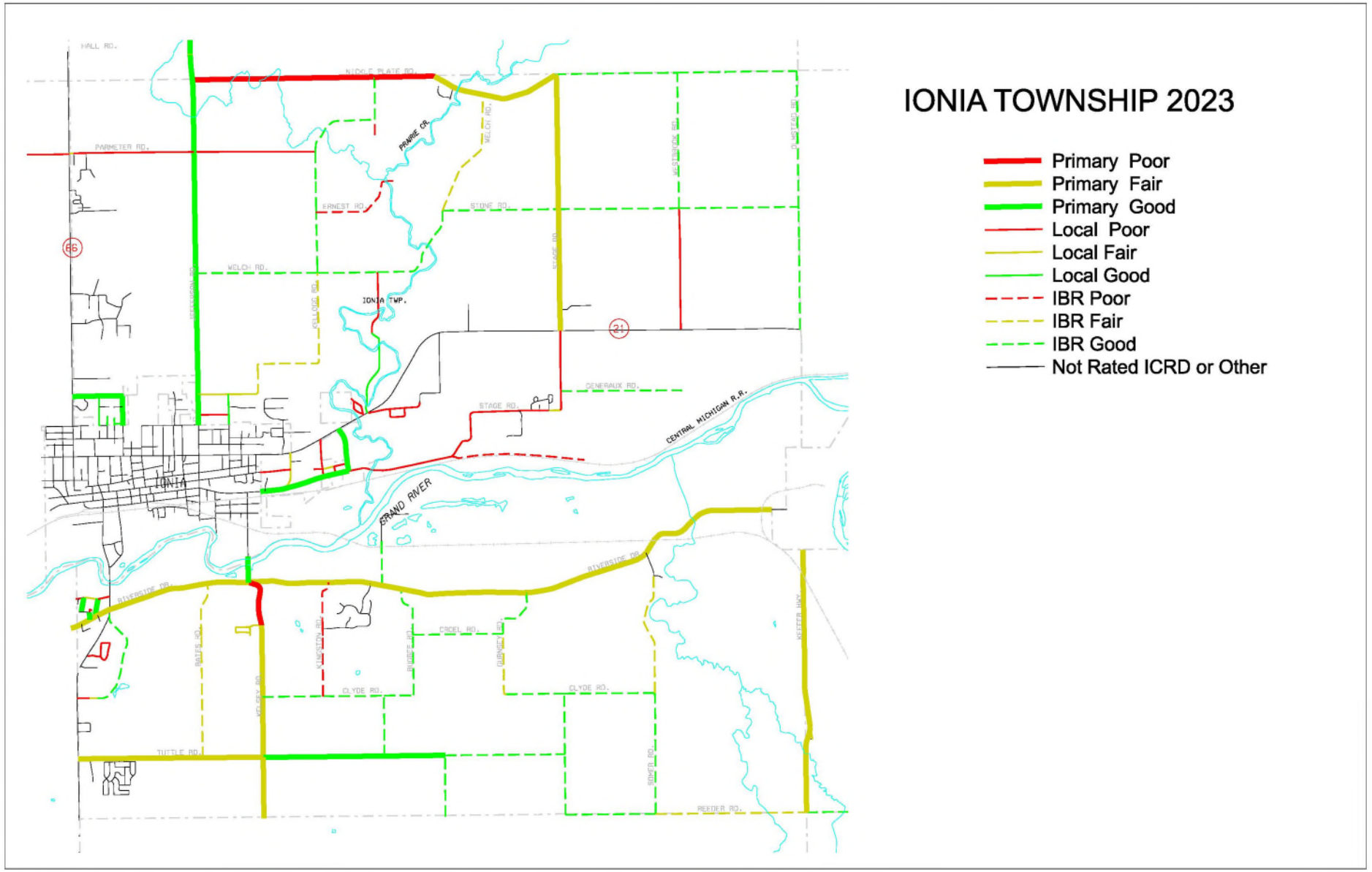

CAMPBELL TOWNSHIP 2023
Primary Poor
Primary Fair
Primary Good
Local Poor
Local Fair
Local Good
IBR Poor
IBR Fair
IBR Good
Not Rated ICRD or Other
GOODEMOTE RD.
DREW RD.
BEAR CR.
CSX R.R.
BROOKS RD.
CLARKSVILLE RD.
CLARKSVILLE
MIDWAY RD.
76TH ST.
PEDDLER LAKE RD.
CAMPBELL TWP.
KEIM RD.
CAMPBELL RD.
STAHL RD.
DUCK CR.
FURLONG RD.
VEDDER RD.
50

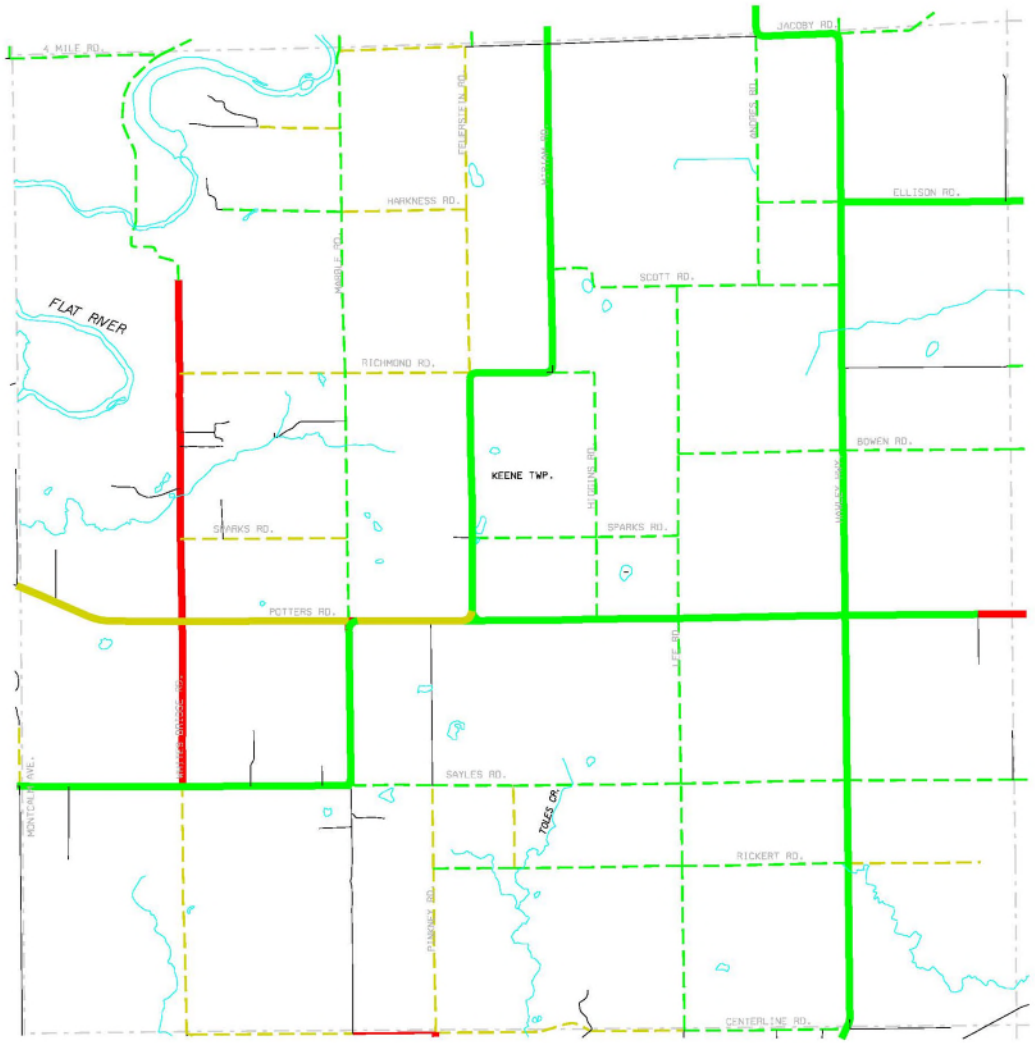

DANBY TOWNSHIP 2023
Primary Poor
Primary Fair
Primary Good
Local Poor
Local Fair
Local Good
IBR Poor
IBR Fair
IBR Good
Not Rated ICRD or Other
CUTLER RD.
BAKER RD.
PEAKE RD.
EMERY RD.
BUTLER RD.
TOWNER RD.
DANBY TWP.
MORRIS RD.
MC CRUMB RD.
VANBUREN RD.
PRYOR RD.
TUPPER LAKE RD.
SHUMAN RD.
EATON HWY.
GRAND RIVER
RIVER TRAIL
FISHER CR
KEEFER HWY.
NELSON RD.
ASH ST.
CHARLOTTE HWY.
FROST RD.
CLINTON LN.
POHL RD.
IKEMOS RD.
ERDMAN RD.
BROWN RD.
MARTIN RD.
WELLFARE RD.
TURNER RD.
SANDERS RD.



EASTON TOWNSHIP 2023

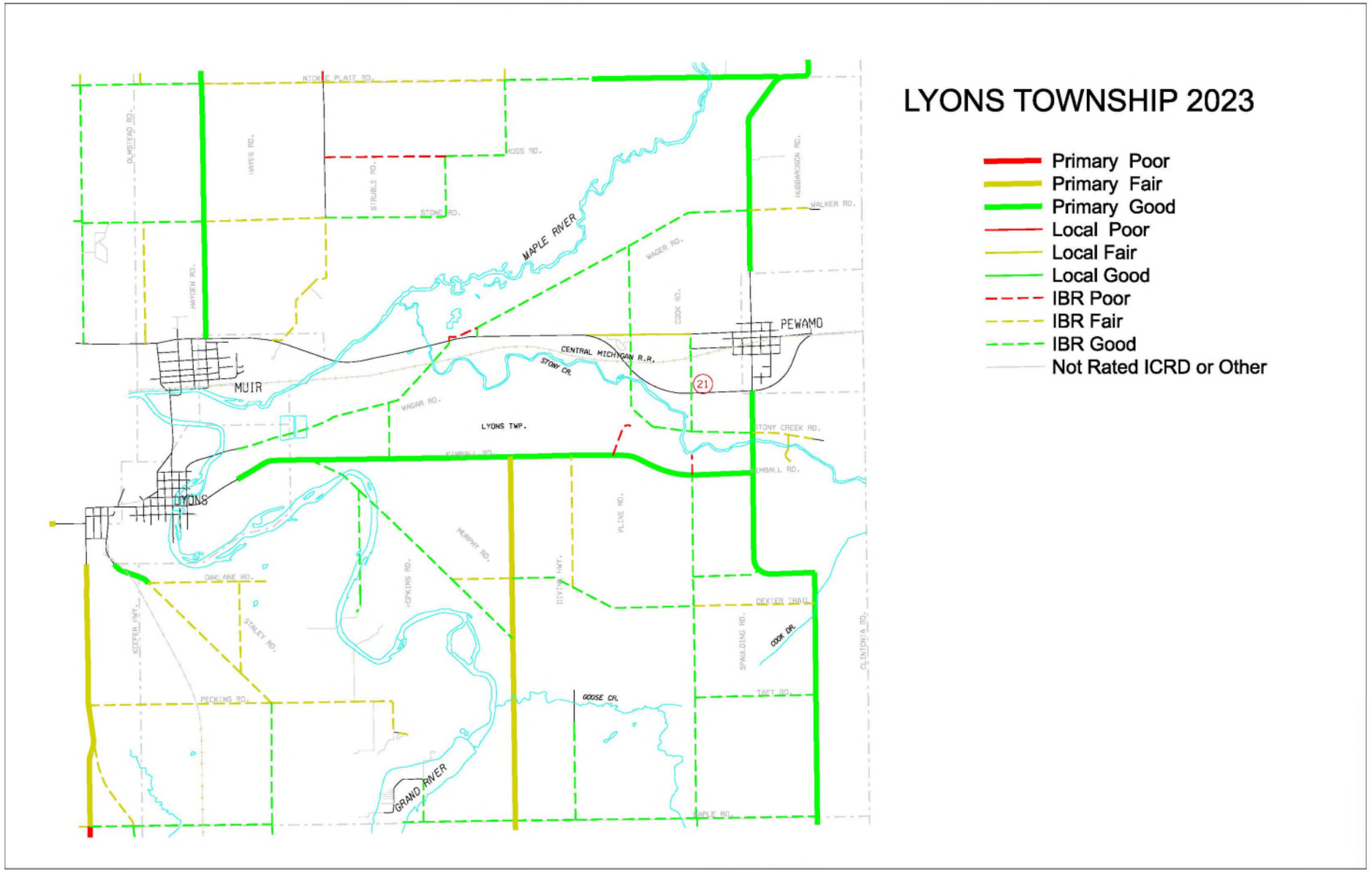
- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other

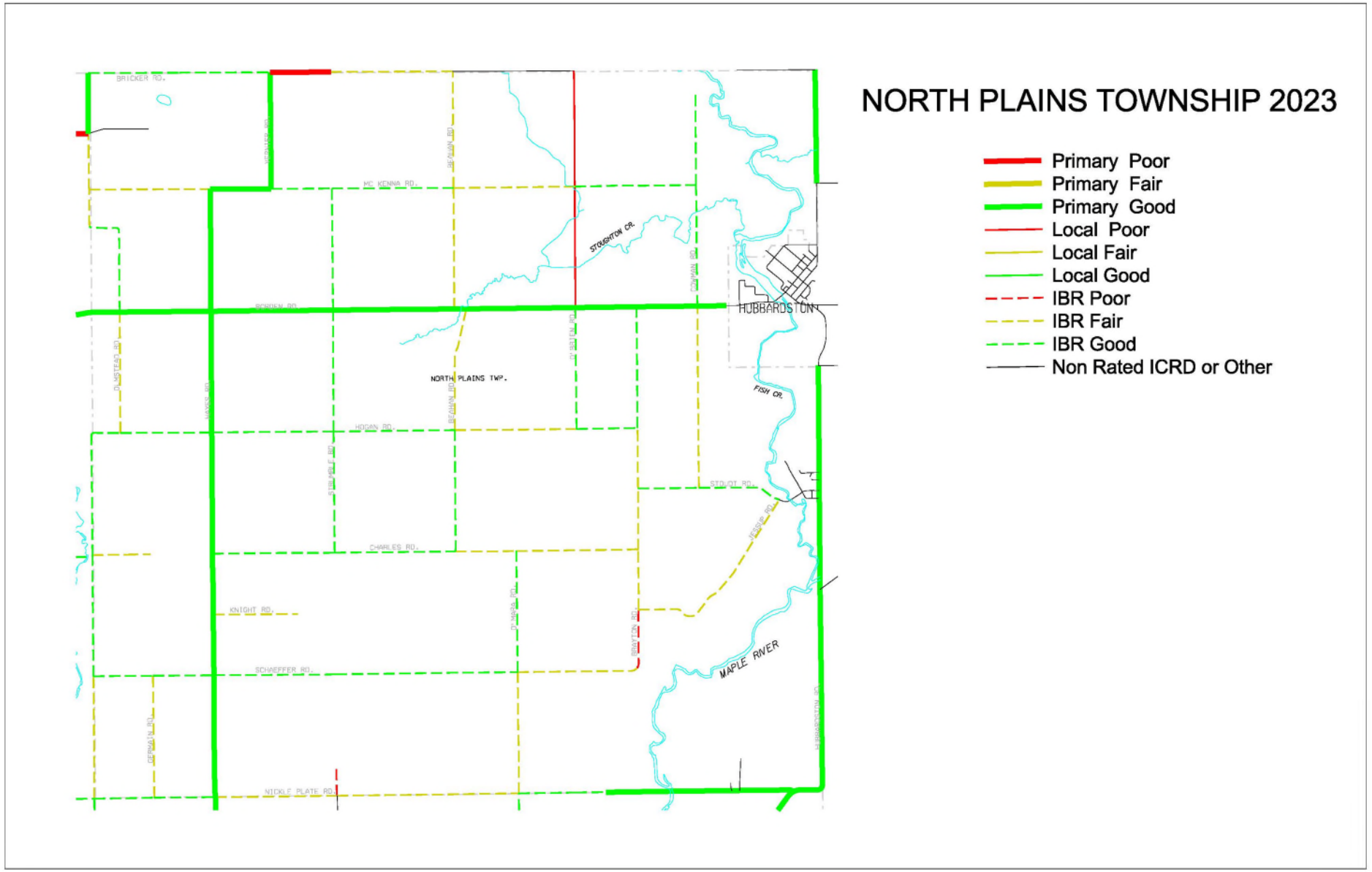

IONIA TOWNSHIP 2023
Primary Poor
Primary Fair
Primary Good
Local Poor
Local Fair
Local Good
IBR Poor
IBR Fair
IBR Good
Not Rated ICRD or Other
HALL RD.
NICKLE PLATE RD.
PARMETER RD.
PRAIRIE CR.
WELCH RD.
ERNEST RD.
STONE RD.
M6
IONIA TWP.
21
GENERAUX RD.
STAGE RD.
CENTRAL MICHIGAN R.R.
IONIA
GRAND RIVER
RIVERSIDE DR.
CLYDE RD.
TUTTLE RD.
REEDER RD.

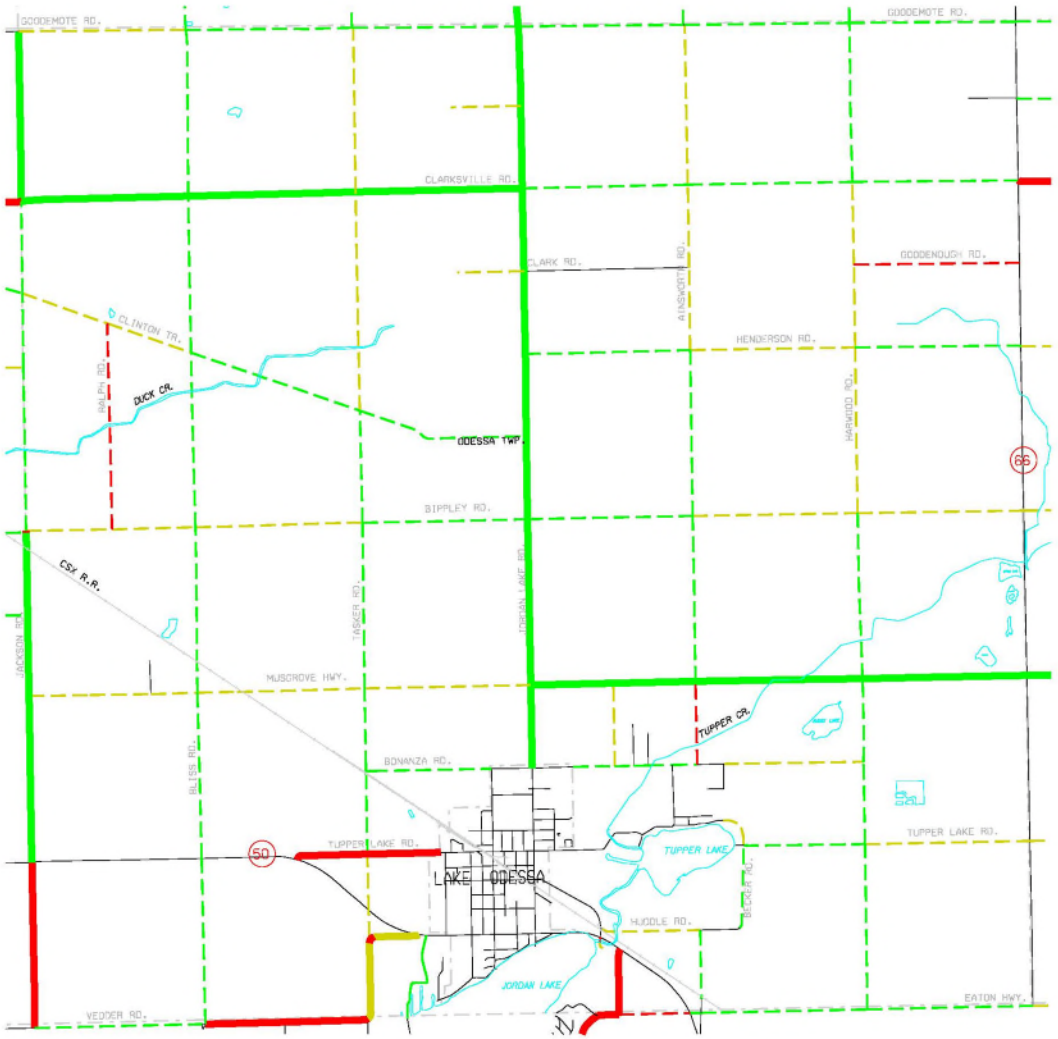


KEENE TOWNSHIP 2023

- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other

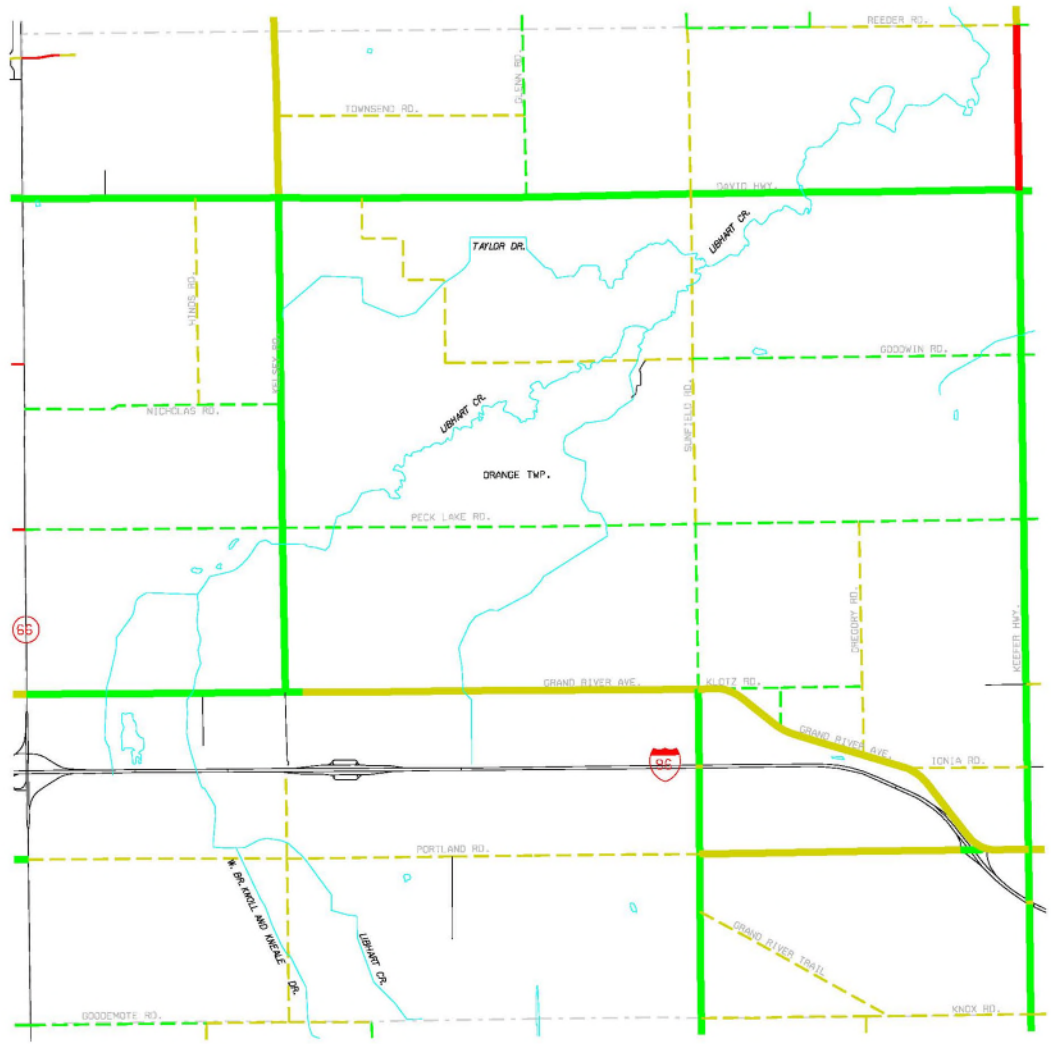

LYONS TOWNSHIP 2023
Primary Poor
Primary Fair
Primary Good
Local Poor
Local Fair
Local Good
IBR Poor
IBR Fair
IBR Good
Not Rated ICRD or Other
MAPLE RIVER
PEWAMO
MUIR
LYONS
LYONS TWP.
CENTRAL MICHIGAN R.R.
STONY CREEK RD.
KIMBALL RD.
WAGAR RD.
WALKER RD.
HUBBARDSTON RD.
COOK RD.
PLINE RD.
DIVINE HWY.
MURPHY RD.
HOPKINS RD.
KEEFER HWY.
STALEY RD.
PECKING RD.
OAKLANE RD.
DEXTER TRAIL
SPAULDING RD.
CLINTONIA RD.
TAFT RD.
GOOSE CR.
GRAND RIVER
MAPLE RD.
NICOLE PLATE RD.
OLMSTEAD RD.
HAYES RD.
ROSS RD.
STRUBLE RD.
STONE RD.
HAYDEN RD.
21


NORTH PLAINS TOWNSHIP 2023
Primary Poor
Primary Fair
Primary Good
Local Poor
Local Fair
Local Good
IBR Poor
IBR Fair
IBR Good
Non Rated ICRD or Other
BRICKER RD.
MC KENNA RD.
STOUGHTON CR.
HUBBARDSTON
NORTH PLAINS TWP.
FISH CR.
HOGAN RD.
CHARLES RD.
KNIGHT RD.
SCHAEFER RD.
NICKLE PLATE RD.
MAPLE RIVER



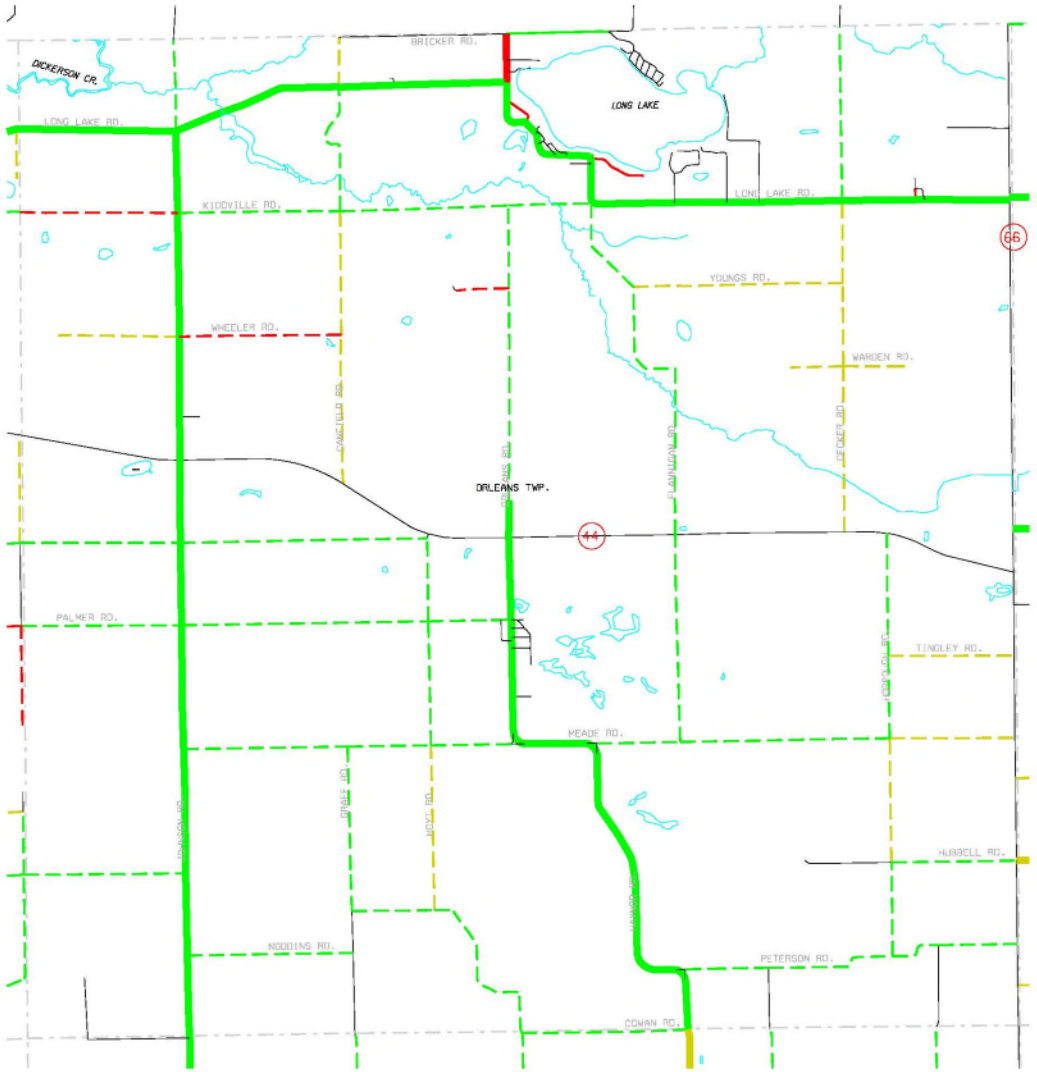
ODESSA TOWNSHIP 2023

- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other



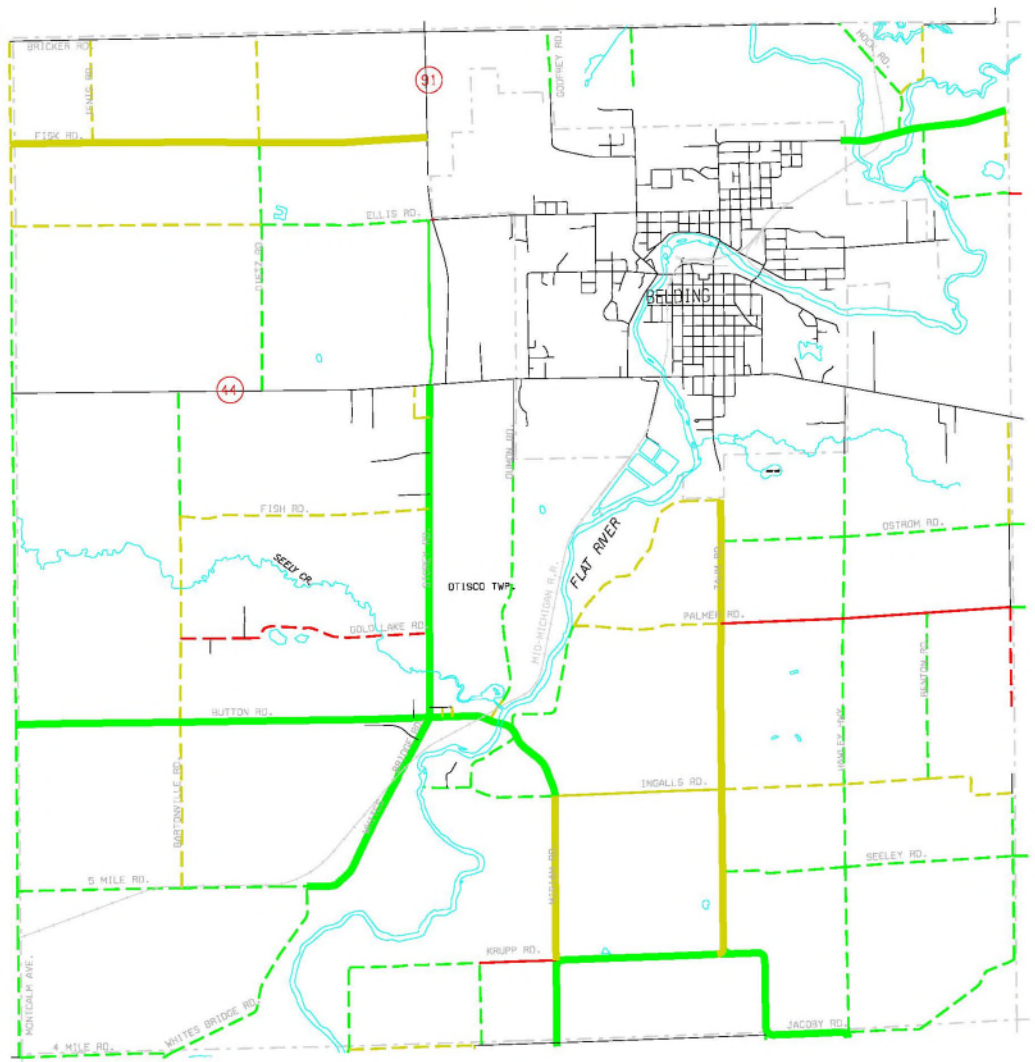
ORANGE TOWNSHIP 2023

- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other



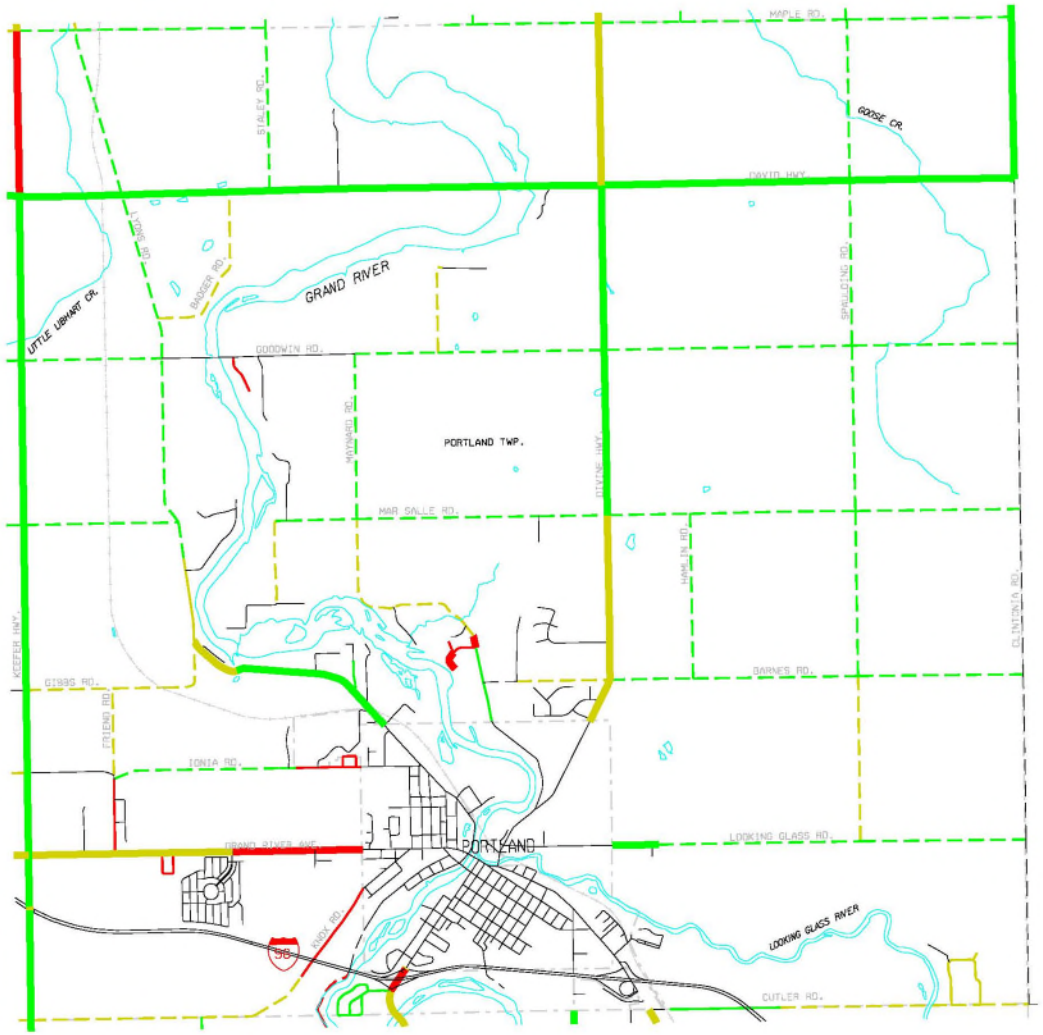
ORLEANS TOWNSHIP 2023

- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other



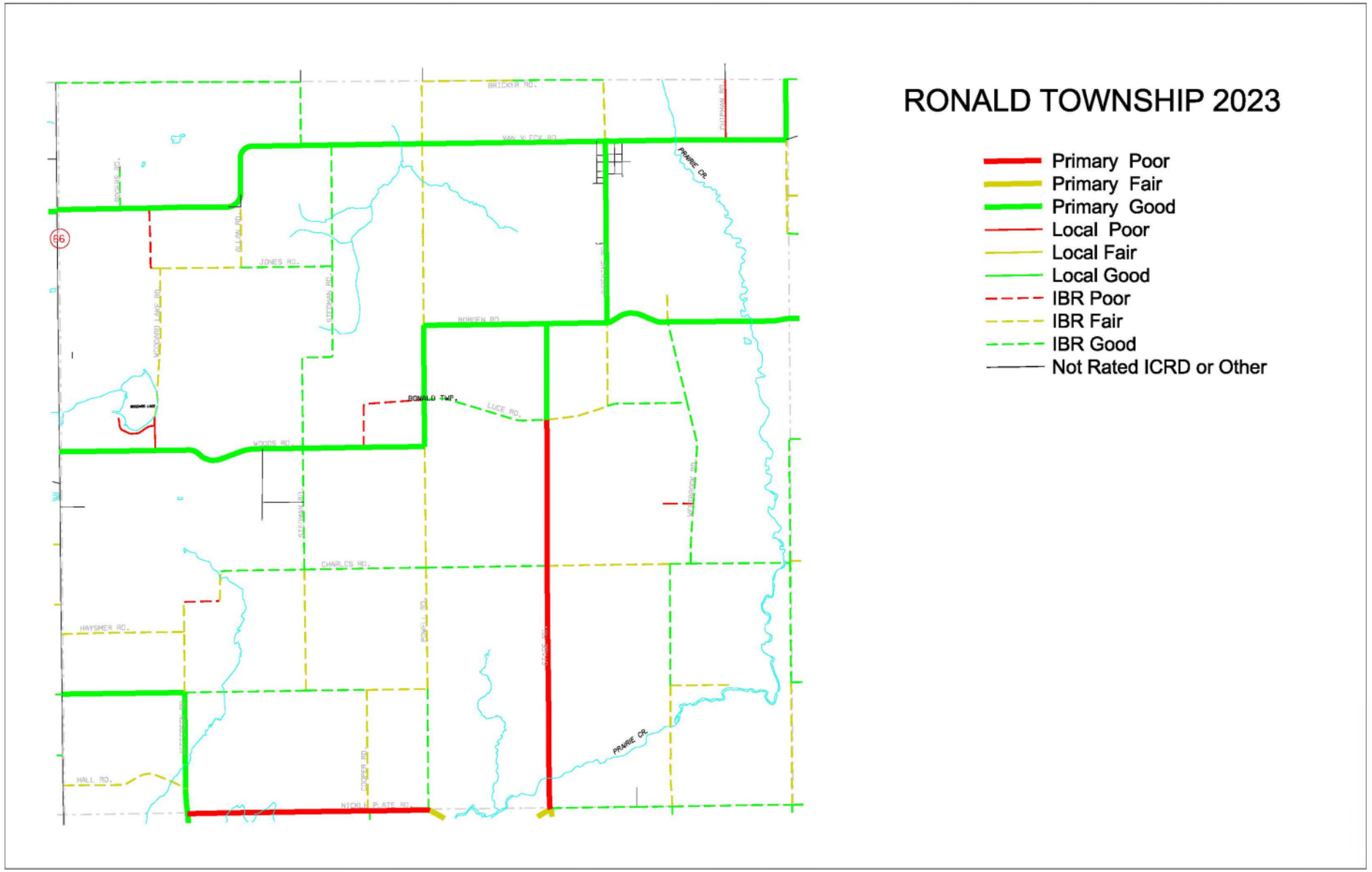
OTISCO TOWNSHIP 2023

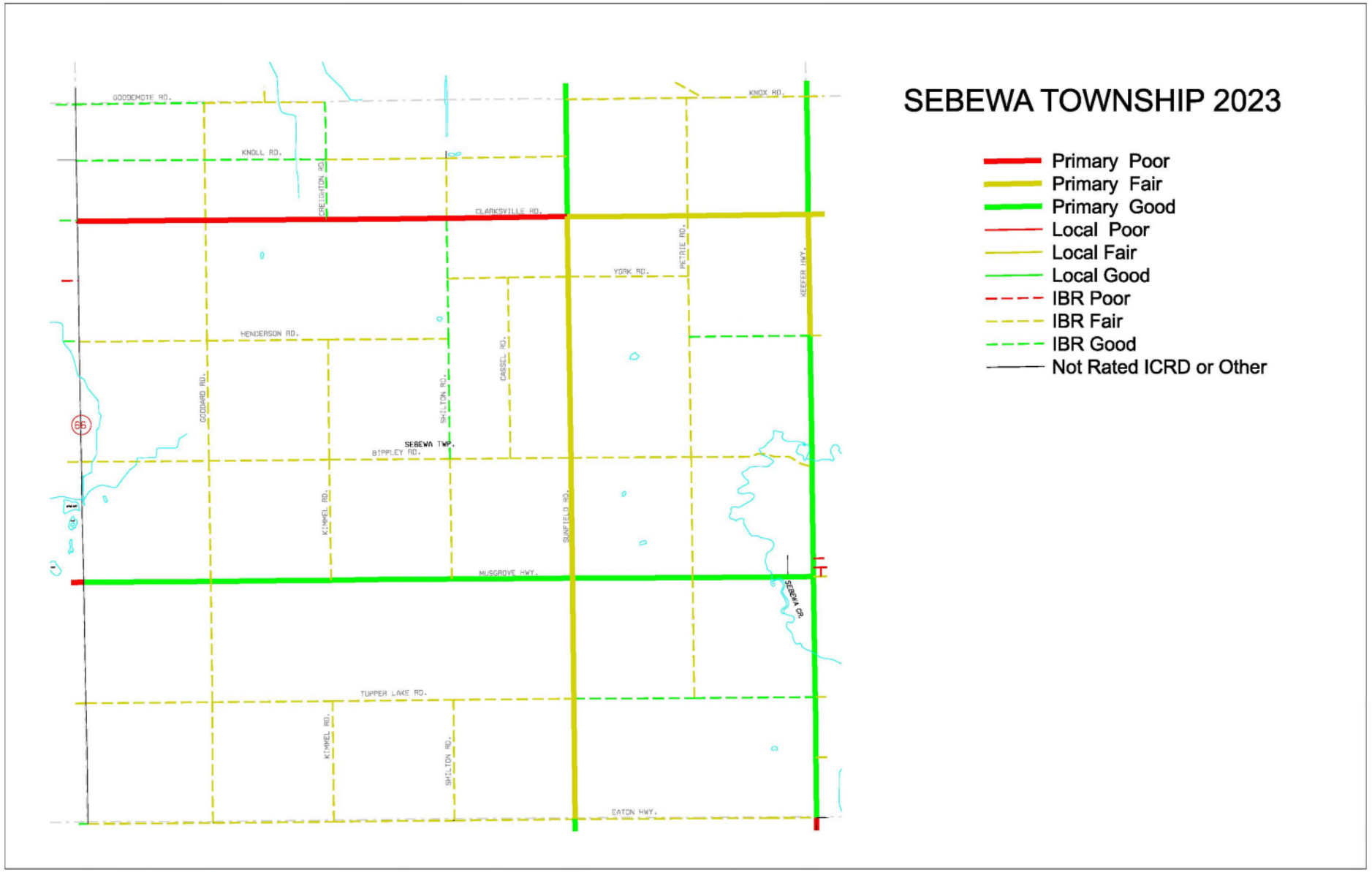
- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other



PORTLAND TOWNSHIP 2023

- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- IBR Poor
- IBR Fair
- IBR Good
- Not Rated ICRD or Other


RONALD TOWNSHIP 2023
Primary Poor
Primary Fair
Primary Good
Local Poor
Local Fair
Local Good
IBR Poor
IBR Fair
IBR Good
Not Rated ICRD or Other
BRICKER RD.
VAN VLECK RD.
JONES RD.
ROBBEN RD.
RONALD TWP.
LUCE RD.
WOODS RD.
CHARLES RD.
HAYSMER RD.
HALL RD.
NICKLE PLATE RD.
PRAIRIE CR.
66


GOODEMOTE RD.
KNOLL RD.
CREIGHTON RD.
CLARKSVILLE RD.
KNOX RD.
PETRIE RD.
KEEFER HWY.
YORK RD.
HENDERSON RD.
GODDARD RD.
SHILTON RD.
CASEL RD.
SEBEWA TWP.
BIPPLEY RD.
KIMMEL RD.
SUNFIELD RD.
MUSGROVE HWY.
SEBEWA CR.
TUPPER LAKE RD.
KIMMEL RD.
SHILTON RD.
EATON HWY.
SEBEWA TOWNSHIP 2023
Primary Poor
Primary Fair
Primary Good
Local Poor
Local Fair
Local Good
IBR Poor
IBR Fair
IBR Good
Not Rated ICRD or Other

Township Past Projects 2020-2023

Road	From	To	Township	Miles	Repair	Year	Owner
David Hwy	Saranac Village Limits	Jordan Lake Rd	Berlin	3.268	Crackseal	2020	ICRD
David Hwy	Jordan Lake Rd	Harwood Rd	Berlin	2	Chip/Fog	2021	ICRD
David Hwy (Urban)	Harwood Rd	M-66	Berlin	1	Chip/Fog	2021	ICRD
Jordan Lake Rd	Grand River Ave	Clarksville Rd	Berlin	3	Chip/Fog	2021	ICRD
Riverside Dr (Urban)	Ainsworth Rd	M-66	Berlin	2.43	Chip/Fog	2021	ICRD
David Hwy	Saranac Village Limits	Jordan Lake Rd	Berlin	3.268	Crackseal	2021	ICRD
Grand River Ave	Morrison Lake Rd	Jordan Lake Rd	Berlin	4.045	Crackseal	2022	ICRD
Jordan Lake Rd	David Hwy	Grand River Ave	Berlin	3.005	Crackseal	2022	ICRD
Peck Lake Rd	Jordan Lake Rd	M-66	Berlin	3	Chip/Fog	2023	Berlin Twp
Tuttle Rd	Harwood Rd	Commerce Lane	Berlin	0.890152	Crush and Shape	2023	Berlin Twp
Grand River Ave	Morrison Lake Rd	Jordan Lake Rd	Berlin	4.045	Chip/Fog	2023	ICRD
Grand River Ave	Jordan Lake Rd	M 66	Berlin	3.004	Chip/Fog	2023	ICRD
David Hwy	Jordan Lake Rd	Harwood Rd	Berlin	2	Crackseal	2023	ICRD
David Hwy (Urban)	Harwood Rd	M-66	Berlin	1	Crackseal	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	1.503	Crackseal	2020	ICRD
Portland Rd	Morrison Lake Rd	Jackson Rd	Boston	1.001	Crackseal	2020	ICRD
Nash Hwy	Grand River Ave	Clarksville Village Limits	Boston	2.54	Chip/Fog	2021	ICRD
Riverside Dr	Montcalm Ave	Saranac Village Limits	Boston	4.61	Chip/Fog	2021	ICRD
Portland Rd	Morrison Lake Rd	Jackson Rd	Boston	1.001	Crackseal	2021	ICRD
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	1.503	Crackseal	2021	ICRD
Morrison Lake Rd	Grand River Ave	Portland Rd	Boston	1.025	Overlay	2021	ICRD
Pinckney Rd	Centerline Rd	M 21	Boston	0.705	Overlay	2021	ICRD
Morrison Lake Road	Beechwood Dr	Portland Rd	Boston		Overlay	2022	Boston Twp
Grand River Ave	Hastings Rd	Nash Hwy	Boston	2.5	Chip/Fog	2022	ICRD
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Chip/Fog	2022	ICRD
Morrison Lake Rd	Saranac Village Limits	Grand River Ave	Boston	2.537	Chip/Fog	2022	ICRD
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	2	Chip/Fog	2022	ICRD
Grand River Ave	Hastings Rd	Nash Hwy	Boston	2.5	Crackseal	2022	ICRD
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Crackseal	2022	ICRD
Grand River Ave	Montcalm Ave	Hastings Rd	Boston	0.987	Crackseal	2022	ICRD
Morrison Lake Rd	Saranac Village Limits	Grand River Ave	Boston	2.537	Crackseal	2022	ICRD
Jackson Rd	1000' South of David Hwy	420' South of David Hwy	Boston	0.11	Crush and Shape	2023	Boston Twp
Jackson Rd	420' South of David Hwy	David Hwy	Boston	0.08	Overlay	2023	Boston Twp
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Chip/Fog	2023	ICRD
Riverside Dr	Montcalm Ave	Saranac Village Limits	Boston	4.61	Crackseal	2023	ICRD
Nash Hwy	Grand River Ave	I-96	Boston	1	Crackseal	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Nash Hwy	Clarksville Village Limits	M 50	Campbell	2.53	Crackseal	2020	ICRD
Nash Hwy	M 50	Vedder Rd	Campbell	1.04	Overlay	2021	ICRD
Drew Rd/ Clarksville Rd	Montcalm Ave	Clarksville Village Limits	Campbell	3.661	Chip/Fog	2022	ICRD
Hastings Rd	Vedder Rd	M 50	Campbell	2.001	Chip/Fog	2022	ICRD
Drew Rd/ Clarksville Rd	Montcalm Ave	Clarksville Village Limits	Campbell	3.661	Crackseal	2022	ICRD
Hastings Rd	Vedder Rd	M 50	Campbell	2.001	Crackseal	2022	ICRD
Clarksville Rd	Clarksville Village Limits	Jackson Rd	Campbell	2.239	Chip/Fog	2023	ICRD
Cross Street	West Village Limits	East Village Limits	Campbell	0.520833	Chip/Fog	2023	Clarksville Village

Road	From	To	Township	Miles	Repair	Year	Owner
Charlotte Hwy	Cutler Rd	Bridge over Grand River	Danby	3.072	Crackseal	2020	ICRD
Clarksville Rd	Keefer Hwy	Kent St	Danby	2	Crackseal	2020	ICRD
Grand River Ave	Portland Urban Limits	East County Line	Danby	3	Chip/Fog	2021	ICRD
Keefer Hwy	Musgrove Hwy	South County Line	Danby	1.996	Chip/Fog	2021	ICRD
Clarksville Rd	Keefer Hwy	Kent St	Danby	2	Crackseal	2021	ICRD
Grand River Ave (Urban)	Cutler Rd	Portland Urban Limits	Danby	0.39	Crackseal	2021	ICRD
Kent St (Urban)	Clarksville Rd	Portland City Limits	Danby	1.457	Crackseal	2021	ICRD
Charlotte Hwy	Cutler Rd	Bridge over Grand River	Danby	3.072	Overlay	2021	ICRD
Pearl Barr	First Turnaround	End	Danby	0.412879	Chip/Fog	2022	Danby Twp
2022 Carriage Lane/Pearl Barr	Kent St	First Turnaround	Danby	0.289773	Overlay	2022	Danby Twp
Charlotte Hwy	Bridge over Grand River	South County Line	Danby	3.214	Chip/Fog	2022	ICRD
Charlotte Hwy	Bridge over Grand River	South County Line	Danby	3.214	Crackseal	2022	ICRD
Carriage Lane	1st Turnaround	End/Back of Sub	Danby	0.412879	Chip/Fog	2023	Danby Twp
Grand River Ave	Portland Urban Limits	East County Line	Danby	3	Crackseal	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079	Crackseal	2020	ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814	Crackseal	2020	ICRD
Bellamy Road	Bradford Road	Dildine Road	Easton		Crackseal	2020	Easton Twp
Nicholson, Price, Beresford, Jermyn	Hackett Street	Dead End	Easton		Crackseal	2020	Easton Twp
Hackett Street	Haynor Road	Ionia City Limits	Easton		Crackseal	2020	Easton Twp
Haynor Road	Cowan Road	Dildine Road	Easton		Crackseal	2020	Easton Twp
Haynor Road	M-21	Yeomans Street	Easton		Crackseal	2020	Easton Twp
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079	Chip/Fog	2021	ICRD
Ellison Rd / Graff Rd / Dildine Rd	Johnson Rd	Bellamy Rd	Easton	2.362	Chip/Fog	2021	ICRD
West Main St	M 21	Ionia Urban Limits	Easton	1.243	Chip/Fog	2021	ICRD
West Main St (Urban)	Ionia Urban Limits	Ionia City Limits	Easton	1.742	Chip/Fog	2021	ICRD
Yeomans St (Urban)	M 21	Ionia City Limits	Easton	1.041	Chip/Fog	2021	ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814	Crackseal	2021	ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429	Crackseal	2021	ICRD
Potters Rd	Hawley Hwy	Johnson Rd	Easton	2.005	Crackseal	2021	ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429	Chip/Fog	2022	ICRD
Bellamy Rd	Dildine Rd	Lincoln Ave	Easton	1.503	Crackseal	2022	ICRD
Bellamy Rd	Potters Rd	M 21	Easton	0.5	Crackseal	2022	ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429	Crackseal	2022	ICRD
Lincoln Ave	Bellamy Rd	Ionia City Limits	Easton	2.344	Crackseal	2022	ICRD
Potters Rd	Johnson Rd	Bellamy Rd	Easton	2.005	Crackseal	2022	ICRD
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079	Chip/Fog	2023	ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814	Chip/Fog	2023	ICRD
Lincoln Ave	1 Mile East of Bellamy	Ionia City Limits	Easton	1.3	Crackseal	2023	ICRD
Ellison Rd	Chickering Rd	Johnson Rd	Easton	1	Crackseal	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Nickle Plate Rd	Jefferson St	Stage Rd	Ionia	3.082	Chip/Fog	2020	ICRD
Riverside Dr	Kelsey Hwy	Lyons Village Limits	Ionia	4.535	Crackseal	2020	ICRD
Nickle Plate Rd	Jefferson St	Stage Rd	Ionia	3.082	Chip/Fog	2021	ICRD
Jefferson St (Urban)	Nickle Plate Rd	Ionia City Limits	Ionia	2.857	Chip/Fog	2021	ICRD
Stage Rd	Nickle Plate Rd	M 21	Ionia	2.118	Chip/Fog	2021	ICRD
East Main St / Beardsley Rd (Urban)	Ionia City Limits	M 21	Ionia	1.114	Crackseal	2021	ICRD
North St / Cyrus Sr (Urban)	M 66	Ionia City Limits	Ionia	0.655	Crackseal	2021	ICRD
Riverside Dr	Kelsey Hwy	Lyons Village Limits	Ionia	4.535	Crackseal	2021	ICRD
Riverside Dr (Urban)	M 66	Kelsey Hwy	Ionia	1.181	Crackseal	2021	ICRD
Tuttle Rd (Urban)	M 66	Kelsey Hwy	Ionia	1.527	Crackseal	2021	ICRD
Cleveland St / Kelsey Hwy (Urban)	Ionia City Limits	Tuttle Rd	Ionia	1.717	Chip/Fog	2022	ICRD
Parmeter Rd	M-66	Kellogg Rd	Ionia	2	Chip/Fog	2022	Ionia
Jefferson St (Urban)	Nickle Plate Rd	Ionia City Limits	Ionia	2.857	Crackseal	2023	ICRD
Glenn Court	Whole	Road	Ionia	0.0625	Crush and Shape	2023	Ionia Twp
Phillip Court	Whole	Road	Ionia	0.041667	Crush and Shape	2023	Ionia Twp
Arnold Alley	Whole	Road	Ionia	0.061553	Crush and Shape	2023	Ionia Twp
Arnold St	Riverside	Miller St	Ionia	0.142045	Overlay	2023	Ionia Twp
Hanline St	Delano	Miller St	Ionia	0.113636	Overlay	2023	Ionia Twp
Churchill Court	Riverside	Delano	Ionia	0.073864	Overlay	2023	Ionia Twp
Tuttle Rd (Option B)	Frank Rd	Glenn Rd	Ionia	0.5	Overlay	2023	Ionia Twp

Road	From	To	Township	Miles	Repair	Year	Owner
Potters Rd	Montcalm Ave	Marble Rd	Keene	2.305	Chip/Fog	2020	ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091	Crackseal	2020	ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982	Crackseal	2020	ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607	Crackseal	2020	ICRD
Whites Bridge Rd	Potters Rd	Sayles Rd	Keene	0.998	Overlay	2020	ICRD
Whites Bridge Rd	End of Asphalt	Potters Rd	Keene	2.065	Overlay	2020	ICRD
Potters Rd	Marble Rd	Feuerstein Rd	Keene	0.948	Chip/Fog	2021	ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607	Crackseal	2021	ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091	Crackseal	2021	ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982	Crackseal	2021	ICRD
Hawley Hwy	Potters Rd	M 21	Keene	2.938	Chip/Fog	2022	ICRD
Hawley Hwy	Potters Rd	Ellison Rd	Keene	2.501	Chip/Fog	2022	ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607	Chip/Fog	2022	ICRD
Potters Rd	Feuerstein Rd	Hawley Hwy	Keene	2.378	Chip/Fog	2022	ICRD
Hawley Hwy	Potters Rd	M 21	Keene	2.938	Crackseal	2022	ICRD
Hawley Hwy	Potters Rd	Ellison Rd	Keene	2.501	Crackseal	2022	ICRD
Potters Rd	Hawley Rd	McKinch Rd	Keene	0.9	Crush and Shape	2023	ICRD
Marble Rd	Potters Rd	Sayles Rd	Keene	1.147	Overlay	2023	ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091	Overlay	2023	ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982	Overlay	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2020	ICRD
Pewamo Road	M-21	Pewamo Village Limits	Lyons		Crack/Chip	2020	Lyons Twp
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2021	ICRD
Kimball Rd	Lyons Village Limits	Divine Hwy	Lyons	2.296	Overlay	2021	ICRD
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Chip/Fog	2022	ICRD
Hubbardston Rd	Nickle Plate Rd	Pewamo Village Limits	Lyons	1.678	Chip/Fog	2022	ICRD
Keefer Hwy	Lyons Village Limits	David Hwy	Lyons	3.177	Chip/Fog	2022	ICRD
Kimball Rd	Divine Hwy	Hubbardston Rd	Lyons	2.035	Chip/Fog	2022	ICRD
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2022	ICRD
Hubbardston Rd/Parks Rd/Clintonia Rd	M 21	County Line	Lyons	3.98	Crackseal	2022	ICRD
Kimball Rd	Divine Hwy	Hubbardston Rd	Lyons	2.035	Crackseal	2022	ICRD
Greenview Point	County	Park	Lyons		Overlay	2023	COUNTY
Staley Rd	Top of Hill	South of Lyons	Lyons	0.189394	Chip/Fog	2023	Lyons Twp
Bridge Street	East Side of Bridge	Village Limits	Lyons	1	Crackseal	2023	Lyons Village
Railroad St	Ionia St	Liberty St	Lyons	0.151515	Chip/Fog	2023	Muir Village
Ionia St	Superior St	M-21	Lyons	0.436	Crackseal	2023	Muir Village
Liberty St	Superior St	M-21	Lyons	0.417	Crackseal	2023	Muir Village
Center St	Superior St	M-21	Lyons	0.416	Crackseal	2023	Muir Village
Plains St	Superior St	M-21	Lyons	0.397	Crackseal	2023	Muir Village
Arthurburg Dr	Ionia St	End	Lyons	0.084	Crackseal	2023	Muir Village
Railroad St	Liberty St	East St	Lyons	0.648	Crackseal	2023	Muir Village
Cliff St	Ionia St	Liberty St	Lyons	0.163	Crackseal	2023	Muir Village
Prospect St	Ionia St	Center St	Lyons	0.277	Crackseal	2023	Muir Village
Prospect St	West of Plains St	East of Plains St	Lyons	0.122	Crackseal	2023	Muir Village
Prospect St	Blanchard St	East of Blanchard St	Lyons	0.117	Crackseal	2023	Muir Village
Blanchard St	Railroad St	North St	Lyons	0.305	Crackseal	2023	Muir Village
Garden St	Ionia St	East of Blanchard St	Lyons	0.587	Crackseal	2023	Muir Village
Summit St	Ionia St	Liberty St	Lyons	0.17	Crackseal	2023	Muir Village
Summit St	Center St	Blanchard St	Lyons	0.207	Crackseal	2023	Muir Village
North St	Plains St	East of Blanchard St	Lyons	0.185	Crackseal	2023	Muir Village
Superior St	Ionia St	Plains St	Lyons	0.326	Crackseal	2023	Muir Village
Prairie St	South Village Limits	Superior St	Lyons	0.114	Crackseal	2023	Muir Village

Road	From	To	Township	Miles	Repair	Year	Owner
Borden Rd	Hayes Rd	Hubbardston Village Limits	North Plains	4.258	Overlay	2020	ICRD
Borden Rd	Stage Rd	Hayes Rd	North Plains	3.03	Overlay	2020	ICRD
Hubbardston Rd	Hubbardston Village Limi	County Line Rd	North Plains	0.94	Chip/Fog	2022	ICRD
Hubbardston Rd	Nickle Plate Rd	Hubbardston Village Limits	North Plains	3.741	Chip/Fog	2022	ICRD
Hayes Rd	Borden Rd	M 21	North Plains	6	Crackseal	2022	ICRD
Hayes Rd	Borden Rd	M 21	North Plains	6	Chip/Fog	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Jordan Lake Rd	Clarksville Rd	Bonanza Rd	Odessa	3.507	Chip/Fog	2020	ICRD
Tupper Lake Rd	M 50	Lake Odessa Village Limits	Odessa	0.881	Chip/Fog	2020	ICRD
Clarksville Rd	Jackson Rd	Jordan Lake Rd	Odessa	3.028	Overlay	2020	ICRD
Vedder Rd / Tasker Rd/ Jordan Lake St	Bliss Rd	M 50	Odessa	1.769	Overlay	2020	ICRD
Tupper Lake Rd	M 50	Lake Odessa Village Limits	Odessa	0.881	Chip/Fog	2021	ICRD
Jackson Rd	Bippley Rd	M 50	Odessa	2.006	Overlay	2021	ICRD
Jackson Rd	M 50	Vedder Rd	Odessa	1.002	Overlay	2021	ICRD
Willow Brook Rd	Arden Dr	M-50	Odessa	0.293	Crackseal	2022	Odessa Twp
Arden Dr	Lake Point Dr	Willow Brook Rd	Odessa	0.093	Crackseal	2022	Odessa Twp
Lake Point Dr	Dead End	Arden Dr	Odessa	0.322	Crackseal	2022	Odessa Twp
Musgrove Hwy	Jordan Lake Rd	M 66	Odessa	2.998	Chip/Fog	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Kelsey Hwy	David Hwy	Grand River Ave	Orange	2.991	Chip/Fog	2020	ICRD
Portland Rd	Sunfield Rd	Grand River Ave	Orange	1.715	Chip/Fog	2020	ICRD
Portland Rd	Sunfield Rd	Grand River Ave	Orange	1.715	Chip/Fog	2021	ICRD
Grand River Ave	Kelsey Hwy	Sunfield Rd	Orange	2.496	Chip/Fog	2021	ICRD
Grand River Ave	Sunfield Rd	Keefer Hwy	Orange	2.3	Chip/Fog	2021	ICRD
David Hwy (Urban)	M 66	Kelsey Hwy	Orange	1.547	Crackseal	2021	ICRD
Kelsey Hwy (Urban)	Tuttle Rd	David Hwy	Orange	1.502	Crackseal	2021	ICRD
David Hwy (Urban)	M 66	Kelsey Hwy	Orange	1.547	Chip/Fog	2022	ICRD
Grand River Ave	M 66	Kelsey Hwy	Orange	1.56	Chip/Fog	2022	ICRD
Kelsey Hwy (Urban)	Tuttle Rd	David Hwy	Orange	1.502	Chip/Fog	2022	ICRD
Grand River Ave	M 66	Kelsey Hwy	Orange	1.56	Crackseal	2022	ICRD
Grand River Ave	Kelsey Hwy	Sunfield Rd	Orange	2.496	Chip/Fog	2023	ICRD
Kelsey Hwy	David Hwy	Grand River Ave	Orange	2.991	Chip/Fog	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Lakeview Dr / Long Lake Rd	North County Line	M 66	Orleans	3.953	Overlay	2020	ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Overlay	2020	ICRD
Long Lake Rd	Belding City Limits	Johnson Rd	Orleans	2	Chip/Fog	2021	ICRD
Johnson Rd	Long Lake Rd	M 44	Orleans	1.991	Chip/Fog	2022	ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Chip/Fog	2022	ICRD
Johnson Rd	Long Lake Rd	M 44	Orleans	1.991	Crackseal	2022	ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Crackseal	2022	ICRD
2022 Bricker Road	Lakeview Drive	Belding Ave	Orleans		Crush and Shape	2022	Orleans Twp
Orleans Rd/Meade Rd/Haynor Rd	M 44	Cowan Rd	Orleans	3.867	Chip/Fog	2023	ICRD
Lakeview Dr / Long Lake Rd	North County Line	Flannigan Rd	Orleans	1	Crackseal	2023	ICRD
Johnson Rd	M-44	Wheeler Rd	Orleans	0.7	Crush and Shape	2023	ICRD
Long Lake Rd	Johnson Rd	Lakeview Dr	Orleans	2.051	Overlay	2023	ICRD
Long Lake Rd	Belding City Limits	Johnson Rd	Orleans	2	Overlay	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Miriam Rd	Button Rd	Krupp Rd	Otisco	1.44	Chip/Fog	2020	ICRD
Zahm Rd	Belding City Limits	Krupp Rd	Otisco	2.813	Crackseal	2020	ICRD
Button Rd	Whites Bridge Rd	Miriam Rd	Otisco	1.01	Chip/Fog	2021	ICRD
Zahm Rd	Belding City Limits	Krupp Rd	Otisco	2.813	Crackseal	2021	ICRD
Krupp Rd	Miriam	Zahm	Otisco	1.156	Overlay	2021	ICRD
Button Rd	Montcalm Ave	Whites Bridge Rd	Otisco	2.498	Crackseal	2022	ICRD
Fisk Rd	Montcalm Ave	M 91	Otisco	2.516	Crackseal	2022	ICRD
Whites Bridge Rd	5 Mile Rd	Button Rd	Otisco	1.343	Crackseal	2022	ICRD
Button Rd	Whites Bridge Rd	Miriam Rd	Otisco	1.01	Chip/Fog	2023	ICRD
Whites Bridge Rd	M 44	Button Rd	Otisco	2.011	Chip/Fog	2023	ICRD
Whites Bridge Rd	5 Mile Rd	Button Rd	Otisco	1.343	Chip/Fog	2023	ICRD
Button Rd	Montcalm Ave	Whites Bridge Rd	Otisco	2.498	Overlay	2023	ICRD
Whites Bridge Rd	M-44	Ellison Rd	Otisco	1	Chip/Fog	2023	Otisco Twp

Road	From	To	Township	Miles	Repair	Year	Owner
Diane, Doreen, Debra Drive Sub	Grand River Avenue	Throughout Subdivision	Portland		Crackseal	2020	Portland City
Friend Road	Ionia Road	Grand River Avenue	Portland		Crackseal	2020	Portland City
Cutler Rd	Portland Village Limits	I-96 Bridge	Portland	0.46	Chip/Fog	2021	ICRD
Lyons Rd (Urban)	Gibbs Rd	Portland City Limits	Portland	1.346	Chip/Fog	2021	ICRD
David Hwy	Divine Hwy	East County Line	Portland	2.494	Chip/Fog	2022	ICRD
Keefer Hwy	David Hwy	Grand River Ave	Portland	3.987	Crackseal	2020	ICRD
David Hwy	Keefer Hwy	Divine Hwy	Portland	3.516	Crackseal	2020	ICRD
David Hwy	Keefer Hwy	Divine Hwy	Portland	3.516	Crackseal	2021	ICRD
Divine Hwy (Urban)	Marsalle Rd	Portland City Limits	Portland	1.271	Crackseal	2021	ICRD
Grand River Ave (Urban)	Keefer Hwy	Portland City Limits	Portland	2.021	Crackseal	2021	ICRD
Keefer Hwy	David Hwy	Grand River Ave	Portland	3.987	Crackseal	2021	ICRD
Looking Glass Rd (Urban)	Portland City Limits	Dan C Ln	Portland	0.278	Crackseal	2021	ICRD
David Hwy	Divine Hwy	East County Line	Portland	2.494	Crackseal	2022	ICRD
Briarwood Drive	Whole Thing		Portland	0.152	Crackseal	2022	Portland Twp
Sylvan Drive	Whole Thing		Portland	0.144	Crackseal	2022	Portland Twp
Dawn Drive	Whole Thing		Portland	0.297	Crackseal	2022	Portland Twp
Meadowland	Whole Thing		Portland	0.328	Crackseal	2022	Portland Twp

Road	From	To	Township	Miles	Repair	Year	Owner
Cutler Road	Portland City Limits	I-96	Portland and Danby		Chip/Fog	2020	Portland Twp, Danby Twp

Road	From	To	Township	Miles	Repair	Year	Owner
Stage Rd	Borden Rd	Nickle Plate Rd	Ronald	4.016	Chip/Fog	2020	ICRD
Stage Rd	Borden Rd	Nickle Plate Rd	Ronald	4.016	Chip/Fog	2021	ICRD
Judevine Rd	Van Vleck Rd	Borden Rd	Ronald	1.502	Overlay	2021	ICRD
Van Vleck Rd / Olmstead Rd	Judevine Rd	North County Line	Ronald	1.919	Overlay	2021	ICRD
Woods Rd / Powell Hwy / Borden Rd	M 66	Stage Rd	Ronald	5.076	Chip/Fog	2022	ICRD
Woods Rd / Powell Hwy / Borden Rd	M 66	Stage Rd	Ronald	5.076	Crackseal	2022	ICRD
Hubbell Rd / Jefferson Rd	M 66	Nickle Plate Rd	Ronald	2.015	Crackseal	2023	ICRD
Van Vleck Rd / Olmstead Rd	Judevine Rd	North County Line	Ronald	1.919	Crackseal	2023	ICRD
Judevine Rd	Van Vleck Rd	Borden Rd	Ronald	1.502	Crackseal	2023	ICRD

Road	From	To	Township	Miles	Repair	Year	Owner
Musgrove Hwy	Sunfield Rd	Keefer Hwy	Sebewa	1.99	Chip/Fog	2020	ICRD
Sunfield Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.992	Chip/Fog	2020	ICRD
Clarksville Rd	M 66	Sunfield Rd	Sebewa	4.049	Chip/Fog	2020	ICRD
Musgrove Hwy	M 66	Sunfield Rd	Sebewa	4.038	Overlay	2020	ICRD
Keefer Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.996	Chip/Fog	2021	ICRD
Musgrove Hwy	Sunfield Rd	Keefer Hwy	Sebewa	1.99	Chip/Fog	2021	ICRD
Clarksville Rd	Sunfield Rd	Keefer Hwy	Sebewa	1.991	Crackseal	2021	ICRD
Sunfield Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.992	Overlay	2021	ICRD
Sunfield Hwy	Musgrove Hwy	South County Line	Sebewa	1.995	Crackseal	2022	ICRD
Musgrove Hwy	M 66	Kimmel Rd	Sebewa	2	Crackseal	2023	ICRD

Estimates for Townships (Examples)

Ionia Township

Ionia County Road Department
Ionia Township

Engineer's Scoping Estimate
2/13/2023

			ARNOLD ALLEY		GLENN COURT (N-S LEG)		GLENN COURT (E-W LEG WRIGHT ST?)		PHILLIP COURT	
			325' x 22' & cul-de-sac		330' x 16'		240' x 16'		220' x 20'	
Superior Asphalt, Inc.		2022 / 2023	New Gravel & Pave 3"		New Gravel & Pave 3"		New Gravel & Pave 3"		New Gravel & Pave 3"	
Item	**Unit**	**Unit Price**	**Quantity**	**Amount**	**Quantity**	**Amount**	**Quantity**	**Amount**	**Quantity**	**Amount**
Excavation, Earth	Cyd	$ 18.00	160	$ 2,880.00	100	$ 1,800.00	80	$ 1,440.00	90	$ 1,620.00
Aggregate Base, 6 inch	Syd	$ 15.00	920	$ 13,800.00	590	$ 8,850.00	430	$ 6,450.00	490	$ 7,350.00
HMA, 4EL	Ton	$ 80.25	170	$ 13,642.50	110	$ 8,827.50	80	$ 6,420.00	90	$ 7,222.50
Slope Restoration	Syd	$ 6.00	290	$ 1,740.00	300	$ 1,800.00	220	$ 1,320.00	200	$ 1,200.00
Traffic Control	Each	$ 7,695.00	1	$ 7,695.00	1	$ 7,695.00	1	$ 7,695.00	1	$ 7,695.00
		10% Contingency		*$ 3,975.75*		*$ 2,897.25*		*$ 2,332.50*		*$ 2,508.75*
		PROJECT TOTAL:		**$ 43,750.00**		**$ 31,900.00**		**$ 25,700.00**		**$ 27,600.00**

Ionia Township

Ionia County Road Department
Ionia Township

Engineer's Scoping Estimate

2/13/2023

				ARNOLD STREET		CHURCHILL COURT		HANLINE STREET	
				Riverside Dr to Miller St		*Riverside Dr to Delano St*		*Delano St to Miller Street*	
				750' x 24'		390' x 20'		600' x 20'	
Superior Asphalt, Inc.		2022 / 2023		Overlay 2"		Overlay 2"		Overlay 2"	
Item	**Unit**	**Unit Price**		**Quantity**	**Amount**	**Quantity**	**Amount**	**Quantity**	**Amount**
Pavt for Butt Joints, Rem	Syd	$	7.00	430	$ 3,010.00	240	$ 1,680.00	250	$ 1,750.00
HMA, 4EL	Ton	$	80.25	270	$ 21,667.50	125	$ 10,031.25	180	$ 14,445.00
Traffic Control	Each	$	7,695.00	1	$ 7,695.00	1	$ 7,695.00	1	$ 7,695.00
			10% Contingency		*$ 3,237.25*		*$ 1,940.63*		*$ 2,389.00*
			PROJECT TOTAL:		**$ 35,650.00**		**$ 21,350.00**		**$ 26,300.00**

Ionia Township

Ionia County Road Department
Ionia Township

Engineer's Scoping Estimate
8/15/2023

				TUTTLE ROAD		TUTTLE ROAD	
				Kelsey Hwy to East of Glenn Rd		*Frank Rd to East of Glenn Rd*	
				8030' x 24' and 2x100' app.		2780' x 24' and 2x100' app.	
			Superior Asphalt, Inc. 2022 / 2023	Overlay 2"		Overlay 2"	
Item	**Unit**	**Unit Price**		**Quantity**	**Amount**	**Quantity**	**Amount**
Pavt for Butt Joints, Rem	Syd	$ 7.00		400	$ 2,800.00	400	$ 2,800.00
HMA, 4EL	Ton	$ 80.25		2,645	$ 212,261.25	950	$ 76,237.50
Traffic Control	Each	$ 7,695.00		1	$ 7,695.00	1	$ 7,695.00
			10% Contingency		*$ 22,275.63*		*$ 8,673.25*
			PROJECT TOTAL:		**$ 245,050.00**		**$ 95,450.00**

Ionia Township

Estimated Material Costs
2024 Welch Rd Gravel from Prairie Creek Rd to Stone Rd - Ionia Twp
2/15/2024

Item	Quantity	Units	Unit Price	Ext Price
23A Limestone	3400	Ton	$ 33.00	$ 112,200.00
15" CPP (Drive Culverts)	100	Ft	$ 10.00	$ 1,000.00
			Subtotal	$ 113,200.00
			15% Contingency	$ 16,980.00
			ESTIMATED TOWNSHIP CONTRIBUTION	**$ 130,180.00**

Estimated Material Costs
2024 Welch Rd Gravel from North of Bridge to Top of Hill
2/15/2024

Item	Quantity	Units	Unit Price	Ext Price
23A Limestone	1100	Ton	$ 33.00	$ 36,300.00
15" CPP (Drive Culverts)	100	Ft	$ 10.00	$ 1,000.00
			Subtotal	$ 37,300.00
			15% Contingency	$ 5,595.00
			ESTIMATED TOWNSHIP CONTRIBUTION	**$ 42,895.00**

Ionia Township

AGREEMENT

This is a memorandum of an agreement by and between the **Township of IONIA** and the Ionia County Road Commission, which provides as follows:

1. The Ionia County Road Commission shall in its discretion do the work as described below and outlined in detail on the reverse side of this page.

2. The Ionia County Road Commission agrees to furnish the following labor, equipment and materials needed to perform the work or to contract with outside contractors to perform the work. All work will be supervised by the Ionia County Road Commission.

3. The following is a description of the work to be performed; said work to be done within the discretion of said Commission and at such time as it seems advisable:

Pave 2" overlay on South Ionia streets estimated at $83,300.
See estimate attached.

Actual cost may vary +/- 5%. Any amount above 5% will be approved in advance.

4. It is agreed that the **Township of IONIA will pay 100 % of total cost as work is completed, or as materials are bought and paid for.**

5. The undersigned hereby certify that at a meeting of the **Township of IONIA** held the _____ day of _____ 2023, they were authorized to enter into this agreement with the Ionia County Road Commission for the performance of the work outlined above.

6. This work is anticipated to begin in August/September 2023 and agreement shall remain in effect until work is completed.

7. Dated this _____ day of _____ 2023.

IONIA TOWNSHIP BOARD

_____
Kurt Scheurer, Supervisor

_____
Sheri Lynn, Clerk

IONIA COUNTY ROAD COMMISSION

_____
John Niemela, Managing Director

August 14, 2023

IONIA TOWNSHIP

Estimate for paving 2" overlay on the following streets:

1.	Arnold St from Riverside Dr to Miller St.	750 feet	$35,650.00
2.	Churchill from Riverside Dr to Delano St.	390 feet	$21,350.00
3.	Hanline Street from Delano to Miller St.	600 feet	$26,300.00
	Estimate Total		**$83,300.00**

Annual Road Program (Example)

Road	From	To	Township	Miles	Repair	Year	Owner
David Hwy	Saranac Village Limits	Jordan Lake Rd	Berlin	3.268	Crackseal	2020	ICRD
David Hwy	Jordan Lake Rd	Harwood Rd	Berlin	2	Chip/Fog	2021	ICRD
David Hwy (Urban)	Harwood Rd	M-66	Berlin	1	Chip/Fog	2021	ICRD
Jordan Lake Rd	Grand River Ave	Clarksville Rd	Berlin	3	Chip/Fog	2021	ICRD
Riverside Dr (Urban)	Ainsworth Rd	M-66	Berlin	2.43	Chip/Fog	2021	ICRD
David Hwy	Saranac Village Limits	Jordan Lake Rd	Berlin	3.268	Crackseal	2021	ICRD
Grand River Ave	Morrison Lake Rd	Jordan Lake Rd	Berlin	4.045	Crackseal	2022	ICRD
Jordan Lake Rd	David Hwy	Grand River Ave	Berlin	3.005	Crackseal	2022	ICRD
Peck Lake Rd	Jordan Lake Rd	M-66	Berlin	3	Chip/Fog	2023	Berlin Twp
Tuttle Rd	Harwood Rd	Commerce Lane	Berlin	0.890151515	Crush and Shape	2023	Berlin Twp
Grand River Ave	Morrison Lake Rd	Jordan Lake Rd	Berlin	4.045	Chip/Fog	2023	ICRD
Grand River Ave	Jordan Lake Rd	M 66	Berlin	3.004	Chip/Fog	2023	ICRD
David Hwy	Jordan Lake Rd	Harwood Rd	Berlin	2	Crackseal	2023	ICRD
David Hwy (Urban)	Harwood Rd	M-66	Berlin	1	Crackseal	2023	ICRD
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	1.503	Crackseal	2020	ICRD
Portland Rd	Morrison Lake Rd	Jackson Rd	Boston	1.001	Crackseal	2020	ICRD
Nash Hwy	Grand River Ave	Clarksville Village Limits	Boston	2.54	Chip/Fog	2021	ICRD
Riverside Dr	Montcalm Ave	Saranac Village Limits	Boston	4.61	Chip/Fog	2021	ICRD
Portland Rd	Morrison Lake Rd	Jackson Rd	Boston	1.001	Crackseal	2021	ICRD
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	1.503	Crackseal	2021	ICRD
Morrison Lake Rd	Grand River Ave	Portland Rd	Boston	1.025	Overlay	2021	ICRD
Pinckney Rd	Centerline Rd	M 21	Boston	0.705	Overlay	2021	ICRD
Morrison Lake Road	Beechwood Dr	Portland Rd	Boston		Overlay	2022	Boston Twp
Grand River Ave	Hastings Rd	Nash Hwy	Boston	2.5	Chip/Fog	2022	ICRD
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Chip/Fog	2022	ICRD
Morrison Lake Rd	Saranac Village Limits	Grand River Ave	Boston	2.537	Chip/Fog	2022	ICRD
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	2	Chip/Fog	2022	ICRD
Grand River Ave	Hastings Rd	Nash Hwy	Boston	2.5	Crackseal	2022	ICRD
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Crackseal	2022	ICRD
Grand River Ave	Montcalm Ave	Hastings Rd	Boston	0.987	Crackseal	2022	ICRD
Morrison Lake Rd	Saranac Village Limits	Grand River Ave	Boston	2.537	Crackseal	2022	ICRD
Jackson Rd	1000' South of David Hwy	420' South of David Hwy	Boston	0.11	Crush and Shape	2023	Boston Twp
Jackson Rd	420' South of David Hwy	David Hwy	Boston	0.08	Overlay	2023	Boston Twp
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Chip/Fog	2023	ICRD
Riverside Dr	Montcalm Ave	Saranac Village Limits	Boston	4.61	Crackseal	2023	ICRD
Nash Hwy	Grand River Ave	I-96	Boston	1	Crackseal	2023	ICRD
Nash Hwy	Clarksville Village Limits	M 50	Campbell	2.53	Crackseal	2020	ICRD
Nash Hwy	M 50	Vedder Rd	Campbell	1.04	Overlay	2021	ICRD
Drew Rd/ Clarksville Rd	Montcalm Ave	Clarksville Village Limits	Campbell	3.661	Chip/Fog	2022	ICRD
Hastings Rd	Vedder Rd	M 50	Campbell	2.001	Chip/Fog	2022	ICRD
Drew Rd/ Clarksville Rd	Montcalm Ave	Clarksville Village Limits	Campbell	3.661	Crackseal	2022	ICRD
Hastings Rd	Vedder Rd	M 50	Campbell	2.001	Crackseal	2022	ICRD
Clarksville Rd	Clarksville Village Limits	Jackson Rd	Campbell	2.239	Chip/Fog	2023	ICRD
Cross Street	West Village Limits	East Village Limits	Campbell	0.520833333	Chip/Fog	2023	Clarksville Village
Broad Street	Front Street	Cross Street	Clarksville		Chip/Fog	2022	Clarksville Village
Charlotte Hwy	Cutler Rd	Bridge over Grand River	Danby	3.072	Crackseal	2020	ICRD
Clarksville Rd	Keefer Hwy	Kent St	Danby	2	Crackseal	2020	ICRD
Grand River Ave	Portland Urban Limits	East County Line	Danby	3	Chip/Fog	2021	ICRD
Keefer Hwy	Musgrove Hwy	South County Line	Danby	1.996	Chip/Fog	2021	ICRD
Clarksville Rd	Keefer Hwy	Kent St	Danby	2	Crackseal	2021	ICRD
Grand River Ave (Urban)	Cutler Rd	Portland Urban Limits	Danby	0.39	Crackseal	2021	ICRD
Kent St (Urban)	Clarksville Rd	Portland City Limits	Danby	1.457	Crackseal	2021	ICRD
Charlotte Hwy	Cutler Rd	Bridge over Grand River	Danby	3.072	Overlay	2021	ICRD
Pearl Barr	First Turnaround	End	Danby	0.412878788	Chip/Fog	2022	Danby Twp
2022 Carriage Lane/Pearl Barr	Kent St	First Turnaround	Danby	0.289772727	Overlay	2022	Danby Twp
Charlotte Hwy	Bridge over Grand River	South County Line	Danby	3.214	Chip/Fog	2022	ICRD
Charlotte Hwy	Bridge over Grand River	South County Line	Danby	3.214	Crackseal	2022	ICRD
Carriage Lane	1st Turnaround	End/Back of Sub	Danby	0.412878788	Chip/Fog	2023	Danby Twp

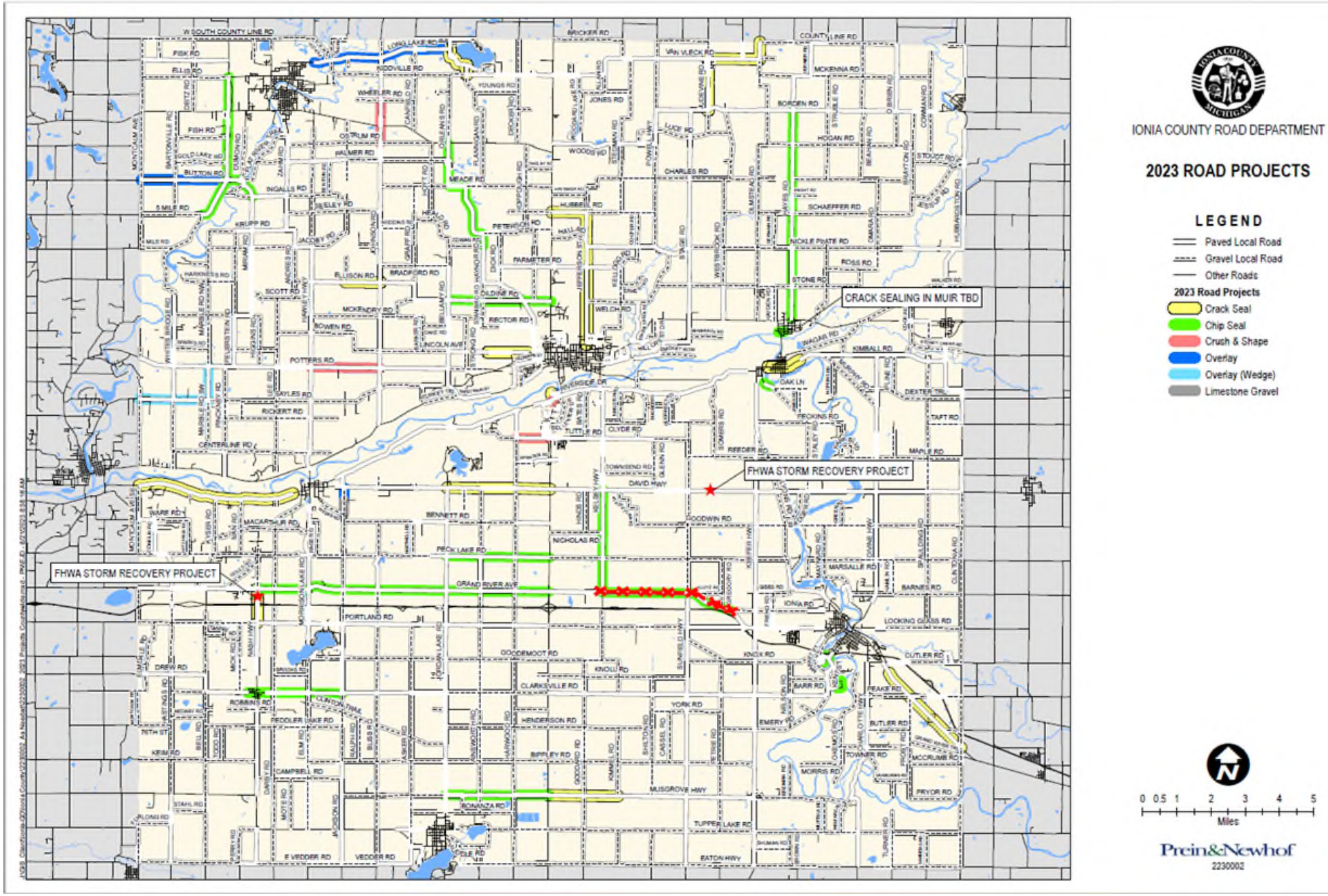
Grand River Ave	Portland Urban Limits	East County Line	Danby	3 Crackseal	2023 ICRD
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079 Crackseal	2020 ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814 Crackseal	2020 ICRD
Bellamy Road	Bradford Road	Dildine Road	Easton	Crackseal	2020 Easton Twp
Nicholson, Price, Beresford, Jermyn	Hackett Street	Dead End	Easton	Crackseal	2020 Easton Twp
Hackett Street	Haynor Road	Ionia City Limits	Easton	Crackseal	2020 Easton Twp
Haynor Road	Cowan Road	Dildine Road	Easton	Crackseal	2020 Easton Twp
Haynor Road	M-21	Yeomans Street	Easton	Crackseal	2020 Easton Twp
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079 Chip/Fog	2021 ICRD
Ellison Rd / Graff Rd / Dildine Rd	Johnson Rd	Bellamy Rd	Easton	2.362 Chip/Fog	2021 ICRD
West Main St	M 21	Ionia Urban Limits	Easton	1.243 Chip/Fog	2021 ICRD
West Main St (Urban)	Ionia Urban Limits	Ionia City Limits	Easton	1.742 Chip/Fog	2021 ICRD
Yeomans St (Urban)	M 21	Ionia City Limits	Easton	1.041 Chip/Fog	2021 ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814 Crackseal	2021 ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429 Crackseal	2021 ICRD
Potters Rd	Hawley Hwy	Johnson Rd	Easton	2.005 Crackseal	2021 ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429 Chip/Fog	2022 ICRD
Bellamy Rd	Dildine Rd	Lincoln Ave	Easton	1.503 Crackseal	2022 ICRD
Bellamy Rd	Potters Rd	M 21	Easton	0.5 Crackseal	2022 ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429 Crackseal	2022 ICRD
Lincoln Ave	Bellamy Rd	Ionia City Limits	Easton	2.344 Crackseal	2022 ICRD
Potters Rd	Johnson Rd	Bellamy Rd	Easton	2.005 Crackseal	2022 ICRD
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079 Chip/Fog	2023 ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814 Chip/Fog	2023 ICRD
Lincoln Ave	1 Mile East of Bellamy	Ionia City Limits	Easton	1.3 Crackseal	2023 ICRD
Ellison Rd	Chickering Rd	Johnson Rd	Easton	1 Crackseal	2023 ICRD
Nickle Plate Rd	Jefferson St	Stage Rd	Ionia	3.082 Chip/Fog	2020 ICRD
Riverside Dr	Kelsey Hwy	Lyons Village Limits	Ionia	4.535 Crackseal	2020 ICRD
Nickle Plate Rd	Jefferson St	Stage Rd	Ionia	3.082 Chip/Fog	2021 ICRD
Jefferson St (Urban)	Nickle Plate Rd	Ionia City Limits	Ionia	2.857 Chip/Fog	2021 ICRD
Stage Rd	Nickle Plate Rd	M 21	Ionia	2.118 Chip/Fog	2021 ICRD
East Main St / Beardsley Rd (Urban)	Ionia City Limits	M 21	Ionia	1.114 Crackseal	2021 ICRD
North St / Cyrus Sr (Urban)	M 66	Ionia City Limits	Ionia	0.655 Crackseal	2021 ICRD
Riverside Dr	Kelsey Hwy	Lyons Village Limits	Ionia	4.535 Crackseal	2021 ICRD
Riverside Dr (Urban)	M 66	Kelsey Hwy	Ionia	1.181 Crackseal	2021 ICRD
Tuttle Rd (Urban)	M 66	Kelsey Hwy	Ionia	1.527 Crackseal	2021 ICRD
Cleveland St / Kelsey Hwy (Urban)	Ionia City Limits	Tuttle Rd	Ionia	1.717 Chip/Fog	2022 ICRD
Parmeter Rd	M-66	Kellogg Rd	Ionia	2 Chip/Fog	2022 Ionia
Jefferson St (Urban)	Nickle Plate Rd	Ionia City Limits	Ionia	2.857 Crackseal	2023 ICRD
Glenn Court	Whole	Road	Ionia	0.0625 Crush and Shape	2023 Ionia Twp
Phillip Court	Whole	Road	Ionia	0.041666667 Crush and Shape	2023 Ionia Twp
Arnold Alley	Whole	Road	Ionia	0.06155303 Crush and Shape	2023 Ionia Twp
Arnold St	Riverside	Miller St	Ionia	0.142045455 Overlay	2023 Ionia Twp
Hanline St	Delano	Miller St	Ionia	0.113636364 Overlay	2023 Ionia Twp
Churchill Court	Riverside	Delano	Ionia	0.073863636 Overlay	2023 Ionia Twp
Tuttle Rd (Option B)	Frank Rd	Glenn Rd	Ionia	0.5 Overlay	2023 Ionia Twp
Potters Rd	Montcalm Ave	Marble Rd	Keene	2.305 Chip/Fog	2020 ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091 Crackseal	2020 ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982 Crackseal	2020 ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607 Crackseal	2020 ICRD
Whites Bridge Rd	Potters Rd	Sayles Rd	Keene	0.998 Overlay	2020 ICRD
Whites Bridge Rd	End of Asphalt	Potters Rd	Keene	2.065 Overlay	2020 ICRD
Potters Rd	Marble Rd	Feuerstein Rd	Keene	0.948 Chip/Fog	2021 ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607 Crackseal	2021 ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091 Crackseal	2021 ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982 Crackseal	2021 ICRD
Hawley Hwy	Potters Rd	M 21	Keene	2.938 Chip/Fog	2022 ICRD
Hawley Hwy	Potters Rd	Ellison Rd	Keene	2.501 Chip/Fog	2022 ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607 Chip/Fog	2022 ICRD
Potters Rd	Feuerstein Rd	Hawley Hwy	Keene	2.378 Chip/Fog	2022 ICRD

Hawley Hwy	Potters Rd	M 21	Keene	2.938	Crackseal	2022 ICRD
Hawley Hwy	Potters Rd	Ellison Rd	Keene	2.501	Crackseal	2022 ICRD
Potters Rd	Hawley Rd	McKinch Rd	Keene	0.9	Crush and Shape	2023 ICRD
Marble Rd	Potters Rd	Sayles Rd	Keene	1.147	Overlay	2023 ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091	Overlay	2023 ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982	Overlay	2023 ICRD
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2020 ICRD
Pewamo Road	M-21	Pewamo Village Limits	Lyons		Crack/Chip	2020 Lyons Twp
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2021 ICRD
Kimball Rd	Lyons Village Limits	Divine Hwy	Lyons	2.296	Overlay	2021 ICRD
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Chip/Fog	2022 ICRD
Hubbardston Rd	Nickle Plate Rd	Pewamo Village Limits	Lyons	1.678	Chip/Fog	2022 ICRD
Keefer Hwy	Lyons Village Limits	David Hwy	Lyons	3.177	Chip/Fog	2022 ICRD
Kimball Rd	Divine Hwy	Hubbardston Rd	Lyons	2.035	Chip/Fog	2022 ICRD
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2022 ICRD
Hubbardston Rd/Parks Rd/Clintonia Rd	M 21	County Line	Lyons	3.98	Crackseal	2022 ICRD
Kimball Rd	Divine Hwy	Hubbardston Rd	Lyons	2.035	Crackseal	2022 ICRD
Greenview Point	County	Park	Lyons		Overlay	2023 COUNTY
Staley Rd	Top of Hill	South of Lyons	Lyons	0.189393939	Chip/Fog	2023 Lyons Twp
Bridge Street	East Side of Bridge	Village Limits	Lyons	1	Crackseal	2023 Lyons Village
Railroad St	Ionia St	Liberty St	Lyons	0.151515152	Chip/Fog	2023 Muir Village
Ionia St	Superior St	M-21	Lyons	0.436	Crackseal	2023 Muir Village
Liberty St	Superior St	M-21	Lyons	0.417	Crackseal	2023 Muir Village
Center St	Superior St	M-21	Lyons	0.416	Crackseal	2023 Muir Village
Plains St	Superior St	M-21	Lyons	0.397	Crackseal	2023 Muir Village
Arthurburg Dr	Ionia St	End	Lyons	0.084	Crackseal	2023 Muir Village
Railroad St	Liberty St	East St	Lyons	0.648	Crackseal	2023 Muir Village
Cliff St	Ionia St	Liberty St	Lyons	0.163	Crackseal	2023 Muir Village
Prospect St	Ionia St	Center St	Lyons	0.277	Crackseal	2023 Muir Village
Prospect St	West of Plains St	East of Plains St	Lyons	0.122	Crackseal	2023 Muir Village
Prospect St	Blanchard St	East of Blanchard St	Lyons	0.117	Crackseal	2023 Muir Village
Blanchard St	Railroad St	North St	Lyons	0.305	Crackseal	2023 Muir Village
Garden St	Ionia St	East of Blanchard St	Lyons	0.587	Crackseal	2023 Muir Village
Summit St	Ionia St	Liberty St	Lyons	0.17	Crackseal	2023 Muir Village
Summit St	Center St	Blanchard St	Lyons	0.207	Crackseal	2023 Muir Village
North St	Plains St	East of Blanchard St	Lyons	0.185	Crackseal	2023 Muir Village
Superior St	Ionia St	Plains St	Lyons	0.326	Crackseal	2023 Muir Village
Prairie St	South Village Limits	Superior St	Lyons	0.114	Crackseal	2023 Muir Village
Borden Rd	Hayes Rd	Hubbardston Village Limits	North Plains	4.258	Overlay	2020 ICRD
Borden Rd	Stage Rd	Hayes Rd	North Plains	3.03	Overlay	2020 ICRD
Hubbardston Rd	Hubbardston Village Limits	County Line Rd	North Plains	0.94	Chip/Fog	2022 ICRD
Hubbardston Rd	Nickle Plate Rd	Hubbardston Village Limits	North Plains	3.741	Chip/Fog	2022 ICRD
Hayes Rd	Borden Rd	M 21	North Plains	6	Crackseal	2022 ICRD
Hayes Rd	Borden Rd	M 21	North Plains	6	Chip/Fog	2023 ICRD
Jordan Lake Rd	Clarksville Rd	Bonanza Rd	Odessa	3.507	Chip/Fog	2020 ICRD
Tupper Lake Rd	M 50	Lake Odessa Village Limits	Odessa	0.881	Chip/Fog	2020 ICRD
Clarksville Rd	Jackson Rd	Jordan Lake Rd	Odessa	3.028	Overlay	2020 ICRD
Vedder Rd / Tasker Rd/ Jordan Lake St	Bliss Rd	M 50	Odessa	1.769	Overlay	2020 ICRD
Tupper Lake Rd	M 50	Lake Odessa Village Limits	Odessa	0.881	Chip/Fog	2021 ICRD
Jackson Rd	Bippley Rd	M 50	Odessa	2.006	Overlay	2021 ICRD
Jackson Rd	M 50	Vedder Rd	Odessa	1.002	Overlay	2021 ICRD
Willow Brook Rd	Arden Dr	M-50	Odessa	0.293	Crackseal	2022 Odessa Twp
Arden Dr	Lake Point Dr	Willow Brook Rd	Odessa	0.093	Crackseal	2022 Odessa Twp
Lake Point Dr	Dead End	Arden Dr	Odessa	0.322	Crackseal	2022 Odessa Twp
Musgrove Hwy	Jordan Lake Rd	M 66	Odessa	2.998	Chip/Fog	2023 ICRD
Kelsey Hwy	David Hwy	Grand River Ave	Orange	2.991	Chip/Fog	2020 ICRD
Portland Rd	Sunfield Rd	Grand River Ave	Orange	1.715	Chip/Fog	2020 ICRD
Portland Rd	Sunfield Rd	Grand River Ave	Orange	1.715	Chip/Fog	2021 ICRD
Grand River Ave	Kelsey Hwy	Sunfield Rd	Orange	2.496	Chip/Fog	2021 ICRD
Grand River Ave	Sunfield Rd	Keefer Hwy	Orange	2.3	Chip/Fog	2021 ICRD

David Hwy (Urban)	M 66	Kelsey Hwy	Orange	1.547	Crackseal	2021 ICRD
Kelsey Hwy (Urban)	Tuttle Rd	David Hwy	Orange	1.502	Crackseal	2021 ICRD
David Hwy (Urban)	M 66	Kelsey Hwy	Orange	1.547	Chip/Fog	2022 ICRD
Grand River Ave	M 66	Kelsey Hwy	Orange	1.56	Chip/Fog	2022 ICRD
Kelsey Hwy (Urban)	Tuttle Rd	David Hwy	Orange	1.502	Chip/Fog	2022 ICRD
Grand River Ave	M 66	Kelsey Hwy	Orange	1.56	Crackseal	2022 ICRD
Grand River Ave	Kelsey Hwy	Sunfield Rd	Orange	2.496	Chip/Fog	2023 ICRD
Kelsey Hwy	David Hwy	Grand River Ave	Orange	2.991	Chip/Fog	2023 ICRD
Lakeview Dr / Long Lake Rd	North County Line	M 66	Orleans	3.953	Overlay	2020 ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Overlay	2020 ICRD
Long Lake Rd	Belding City Limits	Johnson Rd	Orleans	2	Chip/Fog	2021 ICRD
Johnson Rd	Long Lake Rd	M 44	Orleans	1.991	Chip/Fog	2022 ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Chip/Fog	2022 ICRD
Johnson Rd	Long Lake Rd	M 44	Orleans	1.991	Crackseal	2022 ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Crackseal	2022 ICRD
2022 Bricker Road	Lakeview Drive	Belding Ave	Orleans		Crush and Shape	2022 Orleans Twp
Orleans Rd/Meade Rd/Haynor Rd	M 44	Cowan Rd	Orleans	3.867	Chip/Fog	2023 ICRD
Lakeview Dr / Long Lake Rd	North County Line	Flannigan Rd	Orleans	1	Crackseal	2023 ICRD
Johnson Rd	M-44	Wheeler Rd	Orleans	0.7	Crush and Shape	2023 ICRD
Long Lake Rd	Johnson Rd	Lakeview Dr	Orleans	2.051	Overlay	2023 ICRD
Long Lake Rd	Belding City Limits	Johnson Rd	Orleans	2	Overlay	2023 ICRD
Miriam Rd	Button Rd	Krupp Rd	Otisco	1.44	Chip/Fog	2020 ICRD
Zahm Rd	Belding City Limits	Krupp Rd	Otisco	2.813	Crackseal	2020 ICRD
Button Rd	Whites Bridge Rd	Miriam Rd	Otisco	1.01	Chip/Fog	2021 ICRD
Zahm Rd	Belding City Limits	Krupp Rd	Otisco	2.813	Crackseal	2021 ICRD
Krupp Rd	Miriam	Zahm	Otisco	1.156	Overlay	2021 ICRD
Button Rd	Montcalm Ave	Whites Bridge Rd	Otisco	2.498	Crackseal	2022 ICRD
Fisk Rd	Montcalm Ave	M 91	Otisco	2.516	Crackseal	2022 ICRD
Whites Bridge Rd	5 Mile Rd	Button Rd	Otisco	1.343	Crackseal	2022 ICRD
Button Rd	Whites Bridge Rd	Miriam Rd	Otisco	1.01	Chip/Fog	2023 ICRD
Whites Bridge Rd	M 44	Button Rd	Otisco	2.011	Chip/Fog	2023 ICRD
Whites Bridge Rd	5 Mile Rd	Button Rd	Otisco	1.343	Chip/Fog	2023 ICRD
Button Rd	Montcalm Ave	Whites Bridge Rd	Otisco	2.498	Overlay	2023 ICRD
Whites Bridge Rd	M-44	Ellison Rd	Otisco	1	Chip/Fog	2023 Otisco Twp
North Street	State Street	Yates St	Pewamo		Chip/Fog	2022 Pewamo Village
Lincoln Street	State Street	East St	Pewamo		Chip/Fog	2022 Pewamo Village
Yates Street	Main St	North St	Pewamo		Chip/Fog	2022 Pewamo Village
West St	Washington	Jefferson	Pewamo		Chip/Fog	2022 Pewamo Village
Washington	West St	State St	Pewamo		Chip/Fog	2022 Pewamo Village
Leona Dr	State St	Yates St	Pewamo		Chip/Fog	2022 Pewamo Village
Leona Dr Cul De Sac	Leona Dr	End	Pewamo		Chip/Fog	2022 Pewamo Village
Yates Street	Leona Dr	Louis Ct	Pewamo		Chip/Fog	2022 Pewamo Village
Louis Ct	End	Yates St	Pewamo		Chip/Fog	2022 Pewamo Village
Diane, Doreen, Debra Drive Sub	Grand River Avenue	Throughout Subdivision	Portland		Crackseal	2020 Portland City
Friend Road	Ionia Road	Grand River Avenue	Portland		Crackseal	2020 Portland City
Cutler Rd	Portland Village Limits	I-96 Bridge	Portland	0.46	Chip/Fog	2021 ICRD
Lyons Rd (Urban)	Gibbs Rd	Portland City Limits	Portland	1.346	Chip/Fog	2021 ICRD
David Hwy	Divine Hwy	East County Line	Portland	2.494	Chip/Fog	2022 ICRD
Keefer Hwy	David Hwy	Grand River Ave	Portland	3.987	Crackseal	2020 ICRD
David Hwy	Keefer Hwy	Divine Hwy	Portland	3.516	Crackseal	2020 ICRD
David Hwy	Keefer Hwy	Divine Hwy	Portland	3.516	Crackseal	2021 ICRD
Divine Hwy (Urban)	Marsalle Rd	Portland City Limits	Portland	1.271	Crackseal	2021 ICRD
Grand River Ave (Urban)	Keefer Hwy	Portland City Limits	Portland	2.021	Crackseal	2021 ICRD
Keefer Hwy	David Hwy	Grand River Ave	Portland	3.987	Crackseal	2021 ICRD
Looking Glass Rd (Urban)	Portland City Limits	Dan C Ln	Portland	0.278	Crackseal	2021 ICRD
David Hwy	Divine Hwy	East County Line	Portland	2.494	Crackseal	2022 ICRD
Briarwood Drive	Whole Thing		Portland	0.152	Crackseal	2022 Portland Twp
Sylvan Drive	Whole Thing		Portland	0.144	Crackseal	2022 Portland Twp
Dawn Drive	Whole Thing		Portland	0.297	Crackseal	2022 Portland Twp
Meadowland	Whole Thing		Portland	0.328	Crackseal	2022 Portland Twp

Cutler Road	Portland City Limits	I-96	Portland and Danby		Chip/Fog	2020 Portland Twp, Danby Twp
Stage Rd	Borden Rd	Nickle Plate Rd	Ronald	4.016	Chip/Fog	2020 ICRD
Stage Rd	Borden Rd	Nickle Plate Rd	Ronald	4.016	Chip/Fog	2021 ICRD
Judevine Rd	Van Vleck Rd	Borden Rd	Ronald	1.502	Overlay	2021 ICRD
Van Vleck Rd / Olmstead Rd	Judevine Rd	North County Line	Ronald	1.919	Overlay	2021 ICRD
Woods Rd / Powell Hwy / Borden Rd	M 66	Stage Rd	Ronald	5.076	Chip/Fog	2022 ICRD
Woods Rd / Powell Hwy / Borden Rd	M 66	Stage Rd	Ronald	5.076	Crackseal	2022 ICRD
Hubbell Rd / Jefferson Rd	M 66	Nickle Plate Rd	Ronald	2.015	Crackseal	2023 ICRD
Van Vleck Rd / Olmstead Rd	Judevine Rd	North County Line	Ronald	1.919	Crackseal	2023 ICRD
Judevine Rd	Van Vleck Rd	Borden Rd	Ronald	1.502	Crackseal	2023 ICRD
Musgrove Hwy	Sunfield Rd	Keefer Hwy	Sebewa	1.99	Chip/Fog	2020 ICRD
Sunfield Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.992	Chip/Fog	2020 ICRD
Clarksville Rd	M 66	Sunfield Rd	Sebewa	4.049	Chip/Fog	2020 ICRD
Musgrove Hwy	M 66	Sunfield Rd	Sebewa	4.038	Overlay	2020 ICRD
Keefer Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.996	Chip/Fog	2021 ICRD
Musgrove Hwy	Sunfield Rd	Keefer Hwy	Sebewa	1.99	Chip/Fog	2021 ICRD
Clarksville Rd	Sunfield Rd	Keefer Hwy	Sebewa	1.991	Crackseal	2021 ICRD
Sunfield Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.992	Overlay	2021 ICRD
Sunfield Hwy	Musgrove Hwy	South County Line	Sebewa	1.995	Crackseal	2022 ICRD
Musgrove Hwy	M 66	Kimmel Rd	Sebewa	2	Crackseal	2023 ICRD
Feltch Street	Libhart Street	Irish Street	V/Lyons		Chip/Fog	2020 Lyons Village
Irish Street	Bridge Street	Felch Street	V/Lyons		Chip/Fog	2020 Lyons Village
Elizabeth Street	Tabor Street	Fuller Street	V/Lyons		Chip/Fog	2020 Lyons Village
North Street	Plain	Blanchard	V/Muir		Chip/Fog	2021 Muir Village
Summit Street	Plain	Blanchard	V/Muir		Chip/Fog	2021 Muir Village
Blanchard Street	North	Summit	V/Muir		Chip/Fog	2021 Muir Village
Summit Street	Ionia Street	Liberty Street	V/Muir		Crack/Chip	2020 Muir Village
Liberty Street	M-21	Superior Street	V/Muir		Crack/Chip	2020 Muir Village
Railroad Street	Liberty Street	Blanchard Street	V/Muir		Crack/Chip	2020 Muir Village
North Street	Plain	Blanchard	V/Muir		Crackseal	2021 Muir Village
Summit Street	Plain	Blanchard	V/Muir		Crackseal	2021 Muir Village
Blanchard Street	North	Summit	V/Muir		Crackseal	2021 Muir Village
Ionia Street	M-21	Superior/Prairie	V/Muir		Crackseal	2021 Muir Village
Prairie Street	Superior	Village Limit	V/Muir		Crackseal	2021 Muir Village
Railroad Street	Liberty	End of Chip	V/Muir		Crackseal	2021 Muir Village
Liberty Street	M-21	Superior	V/Muir		Crackseal	2021 Muir Village
W Summit Street	Ionia	Liberty	V/Muir		Crackseal	2021 Muir Village

2023 Project Map



Thank you!

Prein&Newhof

Definitions of Pavement Fix Treatments

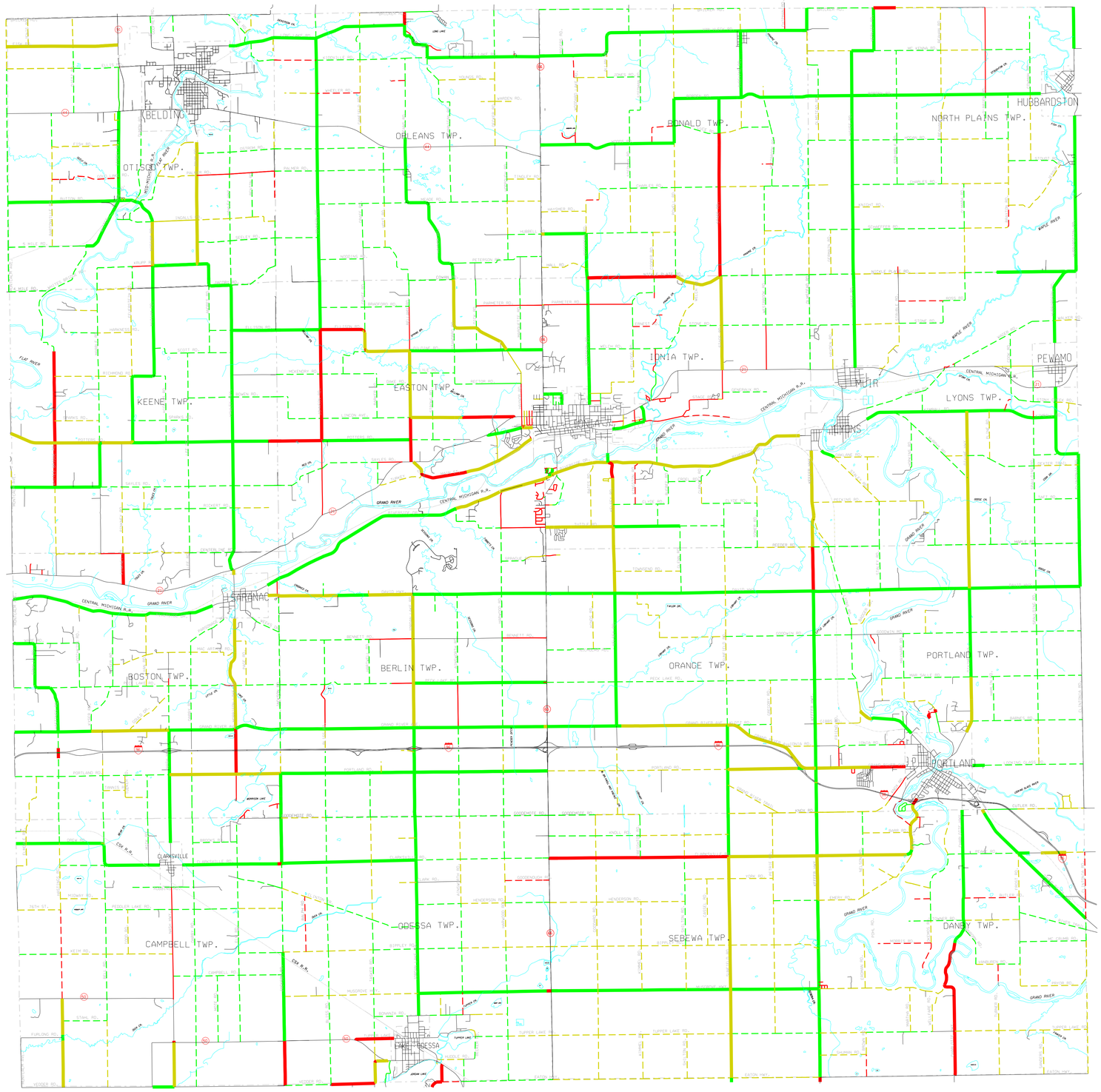
Crack Seal	
Description:	A localized treatment method used to prevent water and debris from entering a crack. This treatment is very effective at prolonging the pavement life and is used on newer pavements as cracks are beginning to occur. Crack sealing prevents water from entering the base material.
Chip Seal	
Description:	This treatment waterproofs the surface, seals small- to medium-sized cracks, reduces oxidation of the pavement surface, and improves surface friction. An asphalt emulsion is sprayed on the pavement and then a layer of aggregate is spread and rolled into the roadway. Excessive aggregate is swept off and disposed of. Rolling and compaction of aggregate by traffic offers better aggregate retention overall, as the aggregate gets deeply embedded. A bar chip seal can be used on more heavily deteriorated sections of the roadway, such as the edges and longitudinal alligator cracking, by performing a double chip seal over these sections. This creates a double layer of strength due to the additional aggregate, embeds the aggregate deeper, and is a good alternative for pavements in poor condition with acceptable traffic volumes.*
Fog Seal	
Description:	Fog Seal is an application of an asphalt emulsion (a thin liquid oil) to the newly chip sealed surface or an aged pavement surface. The fog seal application serves to seal narrow cracks, adhere to the stone surface of the chip stones to make a tighter seal, aid in restoring lost flexibility, prevent raveling, provide a deep rich black pavement surface color, and most importantly help preserve the underlying pavement structure. Fog seals are used on both low- and high-volume roads. *
Slurry Seal	
Description:	A mixture of fine aggregate, asphalt emulsion, water, and mineral filler, used when the primary problem is excessive oxidation and hardening of the existing surface. Slurry seals are used to retard surface raveling, seal minor cracks, and improve surface friction. Slurry seals are similar to chip seals in that they use a thermal break process, requiring heat from the sun and pavement. *

Microsurfacing	
Description:	Commonly referred to as a polymer-modified slurry seal; however, the major difference is that the curing process for microsurfacing is a chemically controlled process, versus the thermal process used by slurry seals and chip seals. Microsurfacing can be used to correct the cross-section profile and fill ruts on roadways with moderate- to heavy-volume traffic. Microsurfacing provides a skid-resistant surface and seals the pavement surface. *
UltraThin Overlays	
Description:	Thin hot-mix asphalt (HMA) overlays are blends of aggregate and asphalt cement. Thicknesses typically range from 3/4 to 1-1/2 inch. These mixes are often modified with polymers to meet high performance expectations. Thin hot-mix asphalt overlays are used to enhance the smoothness, friction, and/or profile of the roadway to improve surface drainage or irregularities while adding little or no additional load-carrying capacity. This fix is particularly suitable for high-volume roads in urban areas where longer life and relatively low-noise surfaces are desired. *
Hot-Mix Asphalt, Mill and Overlay, Reconstruction	
Description:	Hot-mix asphalt is a heated mixture of mineral aggregate and asphalt cement produced in a hot-mix plant. Asphalt may be placed directly on the old pavement, or the old pavement can be milled before being paved over. Milling and pulverizing operations can both be used to help eliminate the previous surface cracking. Asphalt is also used for building completely reconstructed pavements. Asphalt rehabilitation treatments are used to repair fatigued pavement, repair alligator cracking, potholes, failed patches, or utility cuts, and while providing additional structural strength to a roadway and increasing a pavement's Remaining Service Life.

***Note:** The key difference between a chip seal, fog seal, slurry seal, microsurfacing, and ultra thin hot-mix asphalt overlays is the amount and type of aggregate that is placed over the asphalt emulsion that seals the pavement surface.

Link to "NKC<GD1"4&3!. <IP<G!
https://www.ctt.mtu.edu/sites/default/files/resources/paser/asphaltpaser.pdf

IONIA COUNTY - 2023 ROAD RATINGS
Paved (PASER) and Gravel (IBR)



- Primary Poor
- Primary Fair
- Primary Good
- Local Poor
- Local Fair
- Local Good
- Gravel Poor
- Gravel Fair
- Gravel Good
- Not Rated ICRD or Other

Millage Project List

Year	Road Name	From	To	Proposed Wc Length (mi)		Estimated Cost
2024	Feuerstein Rd	Potters Rd	Richmond Rd	LAP Project	1.5	$ 409,000.00
2024	Nash Hwy			EmergencyProject		$ -
2024	David Hwy			EmergencyProject		$ -
2024	Clarksville	Goddard	Shilton	LAP Project	1.5	$ 127,426.00
2024	Keefer	Emery	Clarksville Rd	LAP Project	1	$ 100,000.00
2024	Potters	McKinch Rd	Johnson Rd	LAP Project	1.1	$ 112,000.00
2024	Portland Rd	Sunfield	I-96	CSP	1.5	$ 750,000.00
2025	Hawley Rd	Centerline Rd	Potters Rd	LAP Project	2.5	$ 253,034.00
2025	Van Vleck Rd	Powell Hwy	Judevine Rd	CSP	1.5	$ 750,000.00
2025	Borden Rd	Bridge		LAP Project		$ 200,000.00
2025	Zahm	Belding Limits	Krupp	LAP Project	1.5	$ 300,000.00
2026	Nash Hwy	M-50	North of Keim Rd	LAP Project	1.5	$ 159,884.00
2026	Long Lake Rd	M-66	Lakeview Dr	Chip/Fog	3.5	$ 122,500.00
2026	Borden Rd	Stage Rd	Hubbardston Rd	Crackseal	7	$ 70,000.00
2026	Jordan Lake Rd	Grand River	David	Crackseal	3	$ 30,000.00
2026	Grand River	Jackson	M-66	Crackseal	6	$ 60,000.00
2026	Johnson	M-21	Potters Rd	Overlay	2	$ 400,000.00
2026	Nickle Plate Rd	Jefferson	Stage	Crackseal	3	$ 30,000.00
2026	Riverside	Kelsey	V/Lyons	Chip/Fog	4.5	$ 157,500.00
2026	Grand River	Portland Limits	Pine Hill Circle	CSP	1	$ 500,000.00
2027	Nash Hwy	North of Keim	Clarksville Limits	LAP Project	1	$ 106,590.00
2027	Van Vleck Rd	Powell Hwy	Allan Rd	CSP	2	$ 1,000,000.00
2027	Hubbardston Rd	M-21	Clintonia Rd	Crackseal	5	$ 50,000.00
2027	Divine	Kimball	Portland Limits	Crackseal	8	$ 80,000.00
2027	Keefer	V/Lyons	County Line	Crackseal	15	$ 150,000.00
2027	Kimball	V/Lyons	Hubbardston Rd	Crackseal	4.5	$ 45,000.00
2028	Long Lake Rd	M-66	Allan Rd	CSP	1.5	$ 750,000.00
2028	Peake/Howe Rd	Grand River	County Line	Overlay	2	$ 400,000.00
2028	Musgrove	Jordan Lake Rd	M-66	Crackseal	3	$ 30,000.00
2028	Riverside Dr	Saranac	Montcalm Rd	Crackseal	6	$ 60,000.00
2028	Kent St	Portland Limits	Clarksville	Overlay	1.5	$ 300,000.00
2029	Hayes Rd	M21	Borden	Crackseal	6	$ 60,000.00
2029	Hubbardston Rd	V/Pewamo	North Cty Line	Crackseal	8	$ 80,000.00
2029	Johnson	Potters Rd	Ellison	Overlay	2.2	$ 440,000.00
2029	Jordan Lake Rd	Grand River	Lake Odessa	Crackseal	7	$ 70,000.00
2029	Clarksville Rd	2024 Project	Kent St	Overlay	6	$ 1,200,000.00
36					**122.3**	**$ 9,352,934.00**

Proposed Repair	Estimated Cost Per Mile
23A Limestone	$ 150,000.00
Chip/Fog	$ 35,000.00
Crackseal	$ 10,000.00
CSP	$ 500,000.00
EmergencyProject	$ -
Overlay	$ 200,000.00

Work Year	Sum of Estimated Cost	Sum of Length (mi)
2024	$ 1,498,426.00	6.6
2025	$ 1,503,034.00	5.5
2026	$ 1,529,884.00	31.5
2027	$ 1,431,590.00	35.5
2028	$ 1,540,000.00	14
2029	$ 1,850,000.00	29.2
Grand Total	**$ 9,352,934.00**	**122.3**

Work Type	Count of Road Name	Sum of Length (mi)	Sum of Estimated Cost
Chip/Fog	2	8	$ 280,000.00
Crackseal	13	81.5	$ 815,000.00
CSP	5	7.5	$ 3,750,000.00
EmergencyProject	2		$ -
LAP Project	9	11.6	$ 1,767,934.00
Overlay	5	13.7	$ 2,740,000.00
Grand Total	**36**	**122.3**	**$ 9,352,934.00**

IONIA COUNTY ROAD DEPARTMENT

ROAD MILLAGE PROJECTS
PROJECT YEARS

BRIDGE OVER PRAIRIE CREEK

FHWA STORM RECOVERY PROJECT

FHWA STORM RECOVERY PROJECT

LEGEND

- Emergency Projects (2024)
- 2024
- 2025
- 2026
- 2027
- 2028
- 2029
- Paved Local Road
- Gravel Local Road
- Other Roads

0 0.5 1 2 3 4 5
Miles

Prein&Newhof
2230002

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Past Road Projects List

Road	From	To	Township	Miles	Repair	Year	Owner
David Hwy	Saranac Village Limits	Jordan Lake Rd	Berlin	3.268	Crackseal	2020	ICRD
David Hwy	Jordan Lake Rd	Harwood Rd	Berlin	2	Chip/Fog	2021	ICRD
David Hwy (Urban)	Harwood Rd	M-66	Berlin	1	Chip/Fog	2021	ICRD
Jordan Lake Rd	Grand River Ave	Clarksville Rd	Berlin	3	Chip/Fog	2021	ICRD
Riverside Dr (Urban)	Ainsworth Rd	M-66	Berlin	2.43	Chip/Fog	2021	ICRD
David Hwy	Saranac Village Limits	Jordan Lake Rd	Berlin	3.268	Crackseal	2021	ICRD
Grand River Ave	Morrison Lake Rd	Jordan Lake Rd	Berlin	4.045	Crackseal	2022	ICRD
Jordan Lake Rd	David Hwy	Grand River Ave	Berlin	3.005	Crackseal	2022	ICRD
Peck Lake Rd	Jordan Lake Rd	M-66	Berlin	3	Chip/Fog	2023	Berlin Twp
Tuttle Rd	Harwood Rd	Commerce Lane	Berlin	0.890151515	Crush and Shape	2023	Berlin Twp
Grand River Ave	Morrison Lake Rd	Jordan Lake Rd	Berlin	4.045	Chip/Fog	2023	ICRD
Grand River Ave	Jordan Lake Rd	M 66	Berlin	3.004	Chip/Fog	2023	ICRD
David Hwy	Jordan Lake Rd	Harwood Rd	Berlin	2	Crackseal	2023	ICRD
David Hwy (Urban)	Harwood Rd	M-66	Berlin	1	Crackseal	2023	ICRD
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	1.503	Crackseal	2020	ICRD
Portland Rd	Morrison Lake Rd	Jackson Rd	Boston	1.001	Crackseal	2020	ICRD
Nash Hwy	Grand River Ave	Clarksville Village Limits	Boston	2.54	Chip/Fog	2021	ICRD
Riverside Dr	Montcalm Ave	Saranac Village Limits	Boston	4.61	Chip/Fog	2021	ICRD
Portland Rd	Morrison Lake Rd	Jackson Rd	Boston	1.001	Crackseal	2021	ICRD
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	1.503	Crackseal	2021	ICRD
Morrison Lake Rd	Grand River Ave	Portland Rd	Boston	1.025	Overlay	2021	ICRD
Pinckney Rd	Centerline Rd	M 21	Boston	0.705	Overlay	2021	ICRD
Morrison Lake Road	Beechwood Dr	Portland Rd	Boston		Overlay	2022	Boston Twp
Grand River Ave	Hastings Rd	Nash Hwy	Boston	2.5	Chip/Fog	2022	ICRD
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Chip/Fog	2022	ICRD
Morrison Lake Rd	Saranac Village Limits	Grand River Ave	Boston	2.537	Chip/Fog	2022	ICRD
Portland Rd	Nash Hwy	Morrison Lake Rd	Boston	2	Chip/Fog	2022	ICRD
Grand River Ave	Hastings Rd	Nash Hwy	Boston	2.5	Crackseal	2022	ICRD
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Crackseal	2022	ICRD
Grand River Ave	Montcalm Ave	Hastings Rd	Boston	0.987	Crackseal	2022	ICRD
Morrison Lake Rd	Saranac Village Limits	Grand River Ave	Boston	2.537	Crackseal	2022	ICRD
Jackson Rd	1000' South of David Hwy	420' South of David Hwy	Boston	0.11	Crush and Shape	2023	Boston Twp
Jackson Rd	420' South of David Hwy	David Hwy	Boston	0.08	Overlay	2023	Boston Twp
Grand River Ave	Nash Hwy	Morrison Lake Rd	Boston	1.502	Chip/Fog	2023	ICRD
Riverside Dr	Montcalm Ave	Saranac Village Limits	Boston	4.61	Crackseal	2023	ICRD
Nash Hwy	Grand River Ave	I-96	Boston	1	Crackseal	2023	ICRD
Nash Hwy	Clarksville Village Limits	M 50	Campbell	2.53	Crackseal	2020	ICRD
Nash Hwy	M 50	Vedder Rd	Campbell	1.04	Overlay	2021	ICRD
Drew Rd/ Clarksville Rd	Montcalm Ave	Clarksville Village Limits	Campbell	3.661	Chip/Fog	2022	ICRD
Hastings Rd	Vedder Rd	M 50	Campbell	2.001	Chip/Fog	2022	ICRD
Drew Rd/ Clarksville Rd	Montcalm Ave	Clarksville Village Limits	Campbell	3.661	Crackseal	2022	ICRD
Hastings Rd	Vedder Rd	M 50	Campbell	2.001	Crackseal	2022	ICRD
Clarksville Rd	Clarksville Village Limits	Jackson Rd	Campbell	2.239	Chip/Fog	2023	ICRD
Cross Street	West Village Limits	East Village Limits	Campbell	0.520833333	Chip/Fog	2023	Clarksville Village
Broad Street	Front Street	Cross Street	Clarksville		Chip/Fog	2022	Clarksville Village
Charlotte Hwy	Cutler Rd	Bridge over Grand River	Danby	3.072	Crackseal	2020	ICRD
Clarksville Rd	Keefer Hwy	Kent St	Danby	2	Crackseal	2020	ICRD
Grand River Ave	Portland Urban Limits	East County Line	Danby	3	Chip/Fog	2021	ICRD
Keefer Hwy	Musgrove Hwy	South County Line	Danby	1.996	Chip/Fog	2021	ICRD
Clarksville Rd	Keefer Hwy	Kent St	Danby	2	Crackseal	2021	ICRD
Grand River Ave (Urban)	Cutler Rd	Portland Urban Limits	Danby	0.39	Crackseal	2021	ICRD
Kent St (Urban)	Clarksville Rd	Portland City Limits	Danby	1.457	Crackseal	2021	ICRD
Charlotte Hwy	Cutler Rd	Bridge over Grand River	Danby	3.072	Overlay	2021	ICRD
Pearl Barr	First Turnaround	End	Danby	0.412878788	Chip/Fog	2022	Danby Twp
2022 Carriage Lane/Pearl Barr	Kent St	First Turnaround	Danby	0.289772727	Overlay	2022	Danby Twp
Charlotte Hwy	Bridge over Grand River	South County Line	Danby	3.214	Chip/Fog	2022	ICRD
Charlotte Hwy	Bridge over Grand River	South County Line	Danby	3.214	Crackseal	2022	ICRD
Carriage Lane	1st Turnaround	End/Back of Sub	Danby	0.412878788	Chip/Fog	2023	Danby Twp

Grand River Ave	Portland Urban Limits	East County Line	Danby	3	Crackseal	2023 ICRD
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079	Crackseal	2020 ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814	Crackseal	2020 ICRD
Bellamy Road	Bradford Road	Dildine Road	Easton		Crackseal	2020 Easton Twp
Nicholson, Price, Beresford, Jermyn	Hackett Street	Dead End	Easton		Crackseal	2020 Easton Twp
Hackett Street	Haynor Road	Ionia City Limits	Easton		Crackseal	2020 Easton Twp
Haynor Road	Cowan Road	Dildine Road	Easton		Crackseal	2020 Easton Twp
Haynor Road	M-21	Yeomans Street	Easton		Crackseal	2020 Easton Twp
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079	Chip/Fog	2021 ICRD
Ellison Rd / Graff Rd / Dildine Rd	Johnson Rd	Bellamy Rd	Easton	2.362	Chip/Fog	2021 ICRD
West Main St	M 21	Ionia Urban Limits	Easton	1.243	Chip/Fog	2021 ICRD
West Main St (Urban)	Ionia Urban Limits	Ionia City Limits	Easton	1.742	Chip/Fog	2021 ICRD
Yeomans St (Urban)	M 21	Ionia City Limits	Easton	1.041	Chip/Fog	2021 ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814	Crackseal	2021 ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429	Crackseal	2021 ICRD
Potters Rd	Hawley Hwy	Johnson Rd	Easton	2.005	Crackseal	2021 ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429	Chip/Fog	2022 ICRD
Bellamy Rd	Dildine Rd	Lincoln Ave	Easton	1.503	Crackseal	2022 ICRD
Bellamy Rd	Potters Rd	M 21	Easton	0.5	Crackseal	2022 ICRD
Haynor Rd	Cowan Rd	Dildine Rd	Easton	2.429	Crackseal	2022 ICRD
Lincoln Ave	Bellamy Rd	Ionia City Limits	Easton	2.344	Crackseal	2022 ICRD
Potters Rd	Johnson Rd	Bellamy Rd	Easton	2.005	Crackseal	2022 ICRD
Dildine Rd	Bellamy Rd	Haynor Rd	Easton	2.079	Chip/Fog	2023 ICRD
Dildine Rd	Haynor Rd	M 66	Easton	0.814	Chip/Fog	2023 ICRD
Lincoln Ave	1 Mile East of Bellamy	Ionia City Limits	Easton	1.3	Crackseal	2023 ICRD
Ellison Rd	Chickering Rd	Johnson Rd	Easton	1	Crackseal	2023 ICRD
Nickle Plate Rd	Jefferson St	Stage Rd	Ionia	3.082	Chip/Fog	2020 ICRD
Riverside Dr	Kelsey Hwy	Lyons Village Limits	Ionia	4.535	Crackseal	2020 ICRD
Nickle Plate Rd	Jefferson St	Stage Rd	Ionia	3.082	Chip/Fog	2021 ICRD
Jefferson St (Urban)	Nickle Plate Rd	Ionia City Limits	Ionia	2.857	Chip/Fog	2021 ICRD
Stage Rd	Nickle Plate Rd	M 21	Ionia	2.118	Chip/Fog	2021 ICRD
East Main St / Beardsley Rd (Urban)	Ionia City Limits	M 21	Ionia	1.114	Crackseal	2021 ICRD
North St / Cyrus Sr (Urban)	M 66	Ionia City Limits	Ionia	0.655	Crackseal	2021 ICRD
Riverside Dr	Kelsey Hwy	Lyons Village Limits	Ionia	4.535	Crackseal	2021 ICRD
Riverside Dr (Urban)	M 66	Kelsey Hwy	Ionia	1.181	Crackseal	2021 ICRD
Tuttle Rd (Urban)	M 66	Kelsey Hwy	Ionia	1.527	Crackseal	2021 ICRD
Cleveland St / Kelsey Hwy (Urban)	Ionia City Limits	Tuttle Rd	Ionia	1.717	Chip/Fog	2022 ICRD
Parmeter Rd	M-66	Kellogg Rd	Ionia	2	Chip/Fog	2022 Ionia
Jefferson St (Urban)	Nickle Plate Rd	Ionia City Limits	Ionia	2.857	Crackseal	2023 ICRD
Glenn Court	Whole	Road	Ionia	0.0625	Crush and Shape	2023 Ionia Twp
Phillip Court	Whole	Road	Ionia	0.041666667	Crush and Shape	2023 Ionia Twp
Arnold Alley	Whole	Road	Ionia	0.06155303	Crush and Shape	2023 Ionia Twp
Arnold St	Riverside	Miller St	Ionia	0.142045455	Overlay	2023 Ionia Twp
Hanline St	Delano	Miller St	Ionia	0.113636364	Overlay	2023 Ionia Twp
Churchill Court	Riverside	Delano	Ionia	0.073863636	Overlay	2023 Ionia Twp
Tuttle Rd (Option B)	Frank Rd	Glenn Rd	Ionia	0.5	Overlay	2023 Ionia Twp
Potters Rd	Montcalm Ave	Marble Rd	Keene	2.305	Chip/Fog	2020 ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091	Crackseal	2020 ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982	Crackseal	2020 ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607	Crackseal	2020 ICRD
Whites Bridge Rd	Potters Rd	Sayles Rd	Keene	0.998	Overlay	2020 ICRD
Whites Bridge Rd	End of Asphalt	Potters Rd	Keene	2.065	Overlay	2020 ICRD
Potters Rd	Marble Rd	Feuerstein Rd	Keene	0.948	Chip/Fog	2021 ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607	Crackseal	2021 ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091	Crackseal	2021 ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982	Crackseal	2021 ICRD
Hawley Hwy	Potters Rd	M 21	Keene	2.938	Chip/Fog	2022 ICRD
Hawley Hwy	Potters Rd	Ellison Rd	Keene	2.501	Chip/Fog	2022 ICRD
Miriam Rd / Feuerstein Rd	Potters Rd	Krupp Rd	Keene	4.607	Chip/Fog	2022 ICRD
Potters Rd	Feuerstein Rd	Hawley Hwy	Keene	2.378	Chip/Fog	2022 ICRD

Hawley Hwy	Potters Rd	M 21	Keene	2.938	Crackseal	2022	ICRD
Hawley Hwy	Potters Rd	Ellison Rd	Keene	2.501	Crackseal	2022	ICRD
Potters Rd	Hawley Rd	McKinch Rd	Keene	0.9	Crush and Shape	2023	ICRD
Marble Rd	Potters Rd	Sayles Rd	Keene	1.147	Overlay	2023	ICRD
Sayles Rd	Whites Bridge Rd	Marble Rd	Keene	1.091	Overlay	2023	ICRD
Sayles Rd	Montcalm Ave	Whites Bridge Rd	Keene	0.982	Overlay	2023	ICRD
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2020	ICRD
Pewamo Road	M-21	Pewamo Village Limits	Lyons		Crack/Chip	2020	Lyons Twp
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2021	ICRD
Kimball Rd	Lyons Village Limits	Divine Hwy	Lyons	2.296	Overlay	2021	ICRD
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Chip/Fog	2022	ICRD
Hubbardston Rd	Nickle Plate Rd	Pewamo Village Limits	Lyons	1.678	Chip/Fog	2022	ICRD
Keefer Hwy	Lyons Village Limits	David Hwy	Lyons	3.177	Chip/Fog	2022	ICRD
Kimball Rd	Divine Hwy	Hubbardston Rd	Lyons	2.035	Chip/Fog	2022	ICRD
Divine Hwy	Kimball Rd	David Hwy	Lyons	3.995	Crackseal	2022	ICRD
Hubbardston Rd/Parks Rd/Clintonia Rd	M 21	County Line	Lyons	3.98	Crackseal	2022	ICRD
Kimball Rd	Divine Hwy	Hubbardston Rd	Lyons	2.035	Crackseal	2022	ICRD
Greenview Point	County	Park	Lyons		Overlay	2023	COUNTY
Staley Rd	Top of Hill	South of Lyons	Lyons	0.189393939	Chip/Fog	2023	Lyons Twp
Bridge Street	East Side of Bridge	Village Limits	Lyons	1	Crackseal	2023	Lyons Village
Railroad St	Ionia St	Liberty St	Lyons	0.151515152	Chip/Fog	2023	Muir Village
Ionia St	Superior St	M-21	Lyons	0.436	Crackseal	2023	Muir Village
Liberty St	Superior St	M-21	Lyons	0.417	Crackseal	2023	Muir Village
Center St	Superior St	M-21	Lyons	0.416	Crackseal	2023	Muir Village
Plains St	Superior St	M-21	Lyons	0.397	Crackseal	2023	Muir Village
Arthurburg Dr	Ionia St	End	Lyons	0.084	Crackseal	2023	Muir Village
Railroad St	Liberty St	East St	Lyons	0.648	Crackseal	2023	Muir Village
Cliff St	Ionia St	Liberty St	Lyons	0.163	Crackseal	2023	Muir Village
Prospect St	Ionia St	Center St	Lyons	0.277	Crackseal	2023	Muir Village
Prospect St	West of Plains St	East of Plains St	Lyons	0.122	Crackseal	2023	Muir Village
Prospect St	Blanchard St	East of Blanchard St	Lyons	0.117	Crackseal	2023	Muir Village
Blanchard St	Railroad St	North St	Lyons	0.305	Crackseal	2023	Muir Village
Garden St	Ionia St	East of Blanchard St	Lyons	0.587	Crackseal	2023	Muir Village
Summit St	Ionia St	Liberty St	Lyons	0.17	Crackseal	2023	Muir Village
Summit St	Center St	Blanchard St	Lyons	0.207	Crackseal	2023	Muir Village
North St	Plains St	East of Blanchard St	Lyons	0.185	Crackseal	2023	Muir Village
Superior St	Ionia St	Plains St	Lyons	0.326	Crackseal	2023	Muir Village
Prairie St	South Village Limits	Superior St	Lyons	0.114	Crackseal	2023	Muir Village
Borden Rd	Hayes Rd	Hubbardston Village Limits	North Plains	4.258	Overlay	2020	ICRD
Borden Rd	Stage Rd	Hayes Rd	North Plains	3.03	Overlay	2020	ICRD
Hubbardston Rd	Hubbardston Village Limits	County Line Rd	North Plains	0.94	Chip/Fog	2022	ICRD
Hubbardston Rd	Nickle Plate Rd	Hubbardston Village Limits	North Plains	3.741	Chip/Fog	2022	ICRD
Hayes Rd	Borden Rd	M 21	North Plains	6	Crackseal	2022	ICRD
Hayes Rd	Borden Rd	M 21	North Plains	6	Chip/Fog	2023	ICRD
Jordan Lake Rd	Clarksville Rd	Bonanza Rd	Odessa	3.507	Chip/Fog	2020	ICRD
Tupper Lake Rd	M 50	Lake Odessa Village Limits	Odessa	0.881	Chip/Fog	2020	ICRD
Clarksville Rd	Jackson Rd	Jordan Lake Rd	Odessa	3.028	Overlay	2020	ICRD
Vedder Rd / Tasker Rd/ Jordan Lake St	Bliss Rd	M 50	Odessa	1.769	Overlay	2020	ICRD
Tupper Lake Rd	M 50	Lake Odessa Village Limits	Odessa	0.881	Chip/Fog	2021	ICRD
Jackson Rd	Bippley Rd	M 50	Odessa	2.006	Overlay	2021	ICRD
Jackson Rd	M 50	Vedder Rd	Odessa	1.002	Overlay	2021	ICRD
Willow Brook Rd	Arden Dr	M-50	Odessa	0.293	Crackseal	2022	Odessa Twp
Arden Dr	Lake Point Dr	Willow Brook Rd	Odessa	0.093	Crackseal	2022	Odessa Twp
Lake Point Dr	Dead End	Arden Dr	Odessa	0.322	Crackseal	2022	Odessa Twp
Musgrove Hwy	Jordan Lake Rd	M 66	Odessa	2.998	Chip/Fog	2023	ICRD
Kelsey Hwy	David Hwy	Grand River Ave	Orange	2.991	Chip/Fog	2020	ICRD
Portland Rd	Sunfield Rd	Grand River Ave	Orange	1.715	Chip/Fog	2020	ICRD
Portland Rd	Sunfield Rd	Grand River Ave	Orange	1.715	Chip/Fog	2021	ICRD
Grand River Ave	Kelsey Hwy	Sunfield Rd	Orange	2.496	Chip/Fog	2021	ICRD
Grand River Ave	Sunfield Rd	Keefer Hwy	Orange	2.3	Chip/Fog	2021	ICRD

David Hwy (Urban)	M 66	Kelsey Hwy	Orange	1.547	Crackseal	2021	ICRD
Kelsey Hwy (Urban)	Tuttle Rd	David Hwy	Orange	1.502	Crackseal	2021	ICRD
David Hwy (Urban)	M 66	Kelsey Hwy	Orange	1.547	Chip/Fog	2022	ICRD
Grand River Ave	M 66	Kelsey Hwy	Orange	1.56	Chip/Fog	2022	ICRD
Kelsey Hwy (Urban)	Tuttle Rd	David Hwy	Orange	1.502	Chip/Fog	2022	ICRD
Grand River Ave	M 66	Kelsey Hwy	Orange	1.56	Crackseal	2022	ICRD
Grand River Ave	Kelsey Hwy	Sunfield Rd	Orange	2.496	Chip/Fog	2023	ICRD
Kelsey Hwy	David Hwy	Grand River Ave	Orange	2.991	Chip/Fog	2023	ICRD
Lakeview Dr / Long Lake Rd	North County Line	M 66	Orleans	3.953	Overlay	2020	ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Overlay	2020	ICRD
Long Lake Rd	Belding City Limits	Johnson Rd	Orleans	2	Chip/Fog	2021	ICRD
Johnson Rd	Long Lake Rd	M 44	Orleans	1.991	Chip/Fog	2022	ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Chip/Fog	2022	ICRD
Johnson Rd	Long Lake Rd	M 44	Orleans	1.991	Crackseal	2022	ICRD
Johnson Rd	M 44	Ellison Rd	Orleans	4.576	Crackseal	2022	ICRD
2022 Bricker Road	Lakeview Drive	Belding Ave	Orleans		Crush and Shape	2022	Orleans Twp
Orleans Rd/Meade Rd/Haynor Rd	M 44	Cowan Rd	Orleans	3.867	Chip/Fog	2023	ICRD
Lakeview Dr / Long Lake Rd	North County Line	Flannigan Rd	Orleans	1	Crackseal	2023	ICRD
Johnson Rd	M-44	Wheeler Rd	Orleans	0.7	Crush and Shape	2023	ICRD
Long Lake Rd	Johnson Rd	Lakeview Dr	Orleans	2.051	Overlay	2023	ICRD
Long Lake Rd	Belding City Limits	Johnson Rd	Orleans	2	Overlay	2023	ICRD
Miriam Rd	Button Rd	Krupp Rd	Otisco	1.44	Chip/Fog	2020	ICRD
Zahm Rd	Belding City Limits	Krupp Rd	Otisco	2.813	Crackseal	2020	ICRD
Button Rd	Whites Bridge Rd	Miriam Rd	Otisco	1.01	Chip/Fog	2021	ICRD
Zahm Rd	Belding City Limits	Krupp Rd	Otisco	2.813	Crackseal	2021	ICRD
Krupp Rd	Miriam	Zahm	Otisco	1.156	Overlay	2021	ICRD
Button Rd	Montcalm Ave	Whites Bridge Rd	Otisco	2.498	Crackseal	2022	ICRD
Fisk Rd	Montcalm Ave	M 91	Otisco	2.516	Crackseal	2022	ICRD
Whites Bridge Rd	5 Mile Rd	Button Rd	Otisco	1.343	Crackseal	2022	ICRD
Button Rd	Whites Bridge Rd	Miriam Rd	Otisco	1.01	Chip/Fog	2023	ICRD
Whites Bridge Rd	M 44	Button Rd	Otisco	2.011	Chip/Fog	2023	ICRD
Whites Bridge Rd	5 Mile Rd	Button Rd	Otisco	1.343	Chip/Fog	2023	ICRD
Button Rd	Montcalm Ave	Whites Bridge Rd	Otisco	2.498	Overlay	2023	ICRD
Whites Bridge Rd	M-44	Ellison Rd	Otisco	1	Chip/Fog	2023	Otisco Twp
North Street	State Street	Yates St	Pewamo		Chip/Fog	2022	Pewamo Village
Lincoln Street	State Street	East St	Pewamo		Chip/Fog	2022	Pewamo Village
Yates Street	Main St	North St	Pewamo		Chip/Fog	2022	Pewamo Village
West St	Washington	Jefferson	Pewamo		Chip/Fog	2022	Pewamo Village
Washington	West St	State St	Pewamo		Chip/Fog	2022	Pewamo Village
Leona Dr	State St	Yates St	Pewamo		Chip/Fog	2022	Pewamo Village
Leona Dr Cul De Sac	Leona Dr	End	Pewamo		Chip/Fog	2022	Pewamo Village
Yates Street	Leona Dr	Louis Ct	Pewamo		Chip/Fog	2022	Pewamo Village
Louis Ct	End	Yates St	Pewamo		Chip/Fog	2022	Pewamo Village
Diane, Doreen, Debra Drive Sub	Grand River Avenue	Throughout Subdivision	Portland		Crackseal	2020	Portland City
Friend Road	Ionia Road	Grand River Avenue	Portland		Crackseal	2020	Portland City
Cutler Rd	Portland Village Limits	I-96 Bridge	Portland	0.46	Chip/Fog	2021	ICRD
Lyons Rd (Urban)	Gibbs Rd	Portland City Limits	Portland	1.346	Chip/Fog	2021	ICRD
David Hwy	Divine Hwy	East County Line	Portland	2.494	Chip/Fog	2022	ICRD
Keefer Hwy	David Hwy	Grand River Ave	Portland	3.987	Crackseal	2020	ICRD
David Hwy	Keefer Hwy	Divine Hwy	Portland	3.516	Crackseal	2020	ICRD
David Hwy	Keefer Hwy	Divine Hwy	Portland	3.516	Crackseal	2021	ICRD
Divine Hwy (Urban)	Marsalle Rd	Portland City Limits	Portland	1.271	Crackseal	2021	ICRD
Grand River Ave (Urban)	Keefer Hwy	Portland City Limits	Portland	2.021	Crackseal	2021	ICRD
Keefer Hwy	David Hwy	Grand River Ave	Portland	3.987	Crackseal	2021	ICRD
Looking Glass Rd (Urban)	Portland City Limits	Dan C Ln	Portland	0.278	Crackseal	2021	ICRD
David Hwy	Divine Hwy	East County Line	Portland	2.494	Crackseal	2022	ICRD
Briarwood Drive	Whole Thing		Portland	0.152	Crackseal	2022	Portland Twp
Sylvan Drive	Whole Thing		Portland	0.144	Crackseal	2022	Portland Twp
Dawn Drive	Whole Thing		Portland	0.297	Crackseal	2022	Portland Twp
Meadowland	Whole Thing		Portland	0.328	Crackseal	2022	Portland Twp

Cutler Road	Portland City Limits	I-96	Portland and Danby		Chip/Fog	2020 Portland Twp, Danby Twp
Stage Rd	Borden Rd	Nickle Plate Rd	Ronald	4.016	Chip/Fog	2020 ICRD
Stage Rd	Borden Rd	Nickle Plate Rd	Ronald	4.016	Chip/Fog	2021 ICRD
Judevine Rd	Van Vleck Rd	Borden Rd	Ronald	1.502	Overlay	2021 ICRD
Van Vleck Rd / Olmstead Rd	Judevine Rd	North County Line	Ronald	1.919	Overlay	2021 ICRD
Woods Rd / Powell Hwy / Borden Rd	M 66	Stage Rd	Ronald	5.076	Chip/Fog	2022 ICRD
Woods Rd / Powell Hwy / Borden Rd	M 66	Stage Rd	Ronald	5.076	Crackseal	2022 ICRD
Hubbell Rd / Jefferson Rd	M 66	Nickle Plate Rd	Ronald	2.015	Crackseal	2023 ICRD
Van Vleck Rd / Olmstead Rd	Judevine Rd	North County Line	Ronald	1.919	Crackseal	2023 ICRD
Judevine Rd	Van Vleck Rd	Borden Rd	Ronald	1.502	Crackseal	2023 ICRD
Musgrove Hwy	Sunfield Rd	Keefer Hwy	Sebewa	1.99	Chip/Fog	2020 ICRD
Sunfield Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.992	Chip/Fog	2020 ICRD
Clarksville Rd	M 66	Sunfield Rd	Sebewa	4.049	Chip/Fog	2020 ICRD
Musgrove Hwy	M 66	Sunfield Rd	Sebewa	4.038	Overlay	2020 ICRD
Keefer Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.996	Chip/Fog	2021 ICRD
Musgrove Hwy	Sunfield Rd	Keefer Hwy	Sebewa	1.99	Chip/Fog	2021 ICRD
Clarksville Rd	Sunfield Rd	Keefer Hwy	Sebewa	1.991	Crackseal	2021 ICRD
Sunfield Hwy	Clarksville Rd	Musgrove Hwy	Sebewa	2.992	Overlay	2021 ICRD
Sunfield Hwy	Musgrove Hwy	South County Line	Sebewa	1.995	Crackseal	2022 ICRD
Musgrove Hwy	M 66	Kimmel Rd	Sebewa	2	Crackseal	2023 ICRD
Feltch Street	Libhart Street	Irish Street	V/Lyons		Chip/Fog	2020 Lyons Village
Irish Street	Bridge Street	Felch Street	V/Lyons		Chip/Fog	2020 Lyons Village
Elizabeth Street	Tabor Street	Fuller Street	V/Lyons		Chip/Fog	2020 Lyons Village
North Street	Plain	Blanchard	V/Muir		Chip/Fog	2021 Muir Village
Summit Street	Plain	Blanchard	V/Muir		Chip/Fog	2021 Muir Village
Blanchard Street	North	Summit	V/Muir		Chip/Fog	2021 Muir Village
Summit Street	Ionia Street	Liberty Street	V/Muir		Crack/Chip	2020 Muir Village
Liberty Street	M-21	Superior Street	V/Muir		Crack/Chip	2020 Muir Village
Railroad Street	Liberty Street	Blanchard Street	V/Muir		Crack/Chip	2020 Muir Village
North Street	Plain	Blanchard	V/Muir		Crackseal	2021 Muir Village
Summit Street	Plain	Blanchard	V/Muir		Crackseal	2021 Muir Village
Blanchard Street	North	Summit	V/Muir		Crackseal	2021 Muir Village
Ionia Street	M-21	Superior/Prairie	V/Muir		Crackseal	2021 Muir Village
Prairie Street	Superior	Village Limit	V/Muir		Crackseal	2021 Muir Village
Railroad Street	Liberty	End of Chip	V/Muir		Crackseal	2021 Muir Village
Liberty Street	M-21	Superior	V/Muir		Crackseal	2021 Muir Village
W Summit Street	Ionia	Liberty	V/Muir		Crackseal	2021 Muir Village

Pavement Surface Evaluation and Rating

PASER Manual

Asphalt Roads



Transportation Information Center
University of Wisconsin–Madison

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This manual is intended to assist local officials in understanding and rating the surface condition of asphalt pavement. It describes types of defects and provides a simple system to visually rate pavement condition. The rating procedure can be used as condition data for the Wisconsin DOT local road inventory and as part of a computerized pavement management system like PASERWARE.

The PASER system described here and in other T.I.C. publications is based in part on a roadway management system originally developed by Phil Scherer, transportation planner, Northwest Wisconsin Regional Planning Commission.

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Pavement Surface Evaluation and Rating

PASER Manual

Asphalt Roads

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Transportation Information Center
University of Wisconsin–Madison

Pavement Surface Evaluation and Rating

Asphalt PASER Manual

A local highway agency's major goal is to use public funds to provide a comfortable, safe and economical road surface—no simple task. It requires balancing priorities and making difficult decisions in order to manage pavements. Local rural and small city pavements are often managed informally, based on the staff's judgment and experience. While this process is both important and functional, using a slightly more formalized technique can make it easier to manage pavements effectively.

Experience has shown that there are three especially useful steps in managing local roads:

1. Inventory all local roads and streets.
2. Periodically evaluate the condition of all pavements.
3. Use the condition evaluations to set priorities for projects and select alternative treatments.

A comprehensive pavement management system involves collecting data and assessing several road characteristics: roughness (ride), surface distress (condition), surface skid characteristics, and structure (pavement strength and deflection). Planners can combine this condition data with economic analysis to develop short-range and long-range plans for a variety of budget levels. However, many local agencies lack the resources for such a full-scale system.

Since surface condition is the most vital element in any pavement management system, local agencies can use the simplified rating system presented in this ***Asphalt PASER Manual*** to evaluate their roads. The PASER ratings combined with other inventory data (width, length, shoulder, pavement type, etc.) from the WisDOT local roads inventory (WISLR) can be very helpful in planning future budgets and priorities.

WISLR inventory information and PASER ratings can be used in a computerized pavement management system, PASERWARE, developed by the T.I.C and WisDOT. Local officials can use PASERWARE to evaluate whether their annual road budgets are adequate to maintain or improve current road conditions and to select the most cost-effective strategies and priorities for annual projects.

PASER Manuals for gravel, concrete, and other road surfaces, with compatible rating systems are also available (page 29). Together they make a comprehensive condition rating method for all road types. PASER ratings are accepted for WISLR condition data.

Asphalt pavement distress

PASER uses visual inspection to evaluate pavement surface conditions. The key to a useful evaluation is identifying different types of pavement distress and linking them to a cause. Understanding the cause for current conditions is extremely important in selecting an appropriate maintenance or rehabilitation technique.

There are four major categories of common asphalt pavement surface distress:

Surface defects
Raveling, flushing, polishing.

Surface deformation
Rutting, distortion—rippling and shoving, settling, frost heave.

Cracks
Transverse, reflection, slippage, longitudinal, block, and alligator cracks.

Patches and potholes

Deterioration has two general causes: environmental due to weathering and aging, and structural caused by repeated traffic loadings.

Obviously, most pavement deterioration results from both environmental and structural causes. However, it is important to try to distinguish between the two in order to select the most effective rehabilitation techniques.

The rate at which pavement deteriorates depends on its environment, traffic loading conditions, original construction quality, and interim maintenance procedures. Poor quality materials or poor construction procedures can significantly reduce the life of a pavement. As a result, two pavements constructed at the same time may have significantly different lives, or certain portions of a pavement may deteriorate more rapidly than others. On the other hand, timely and effective maintenance can extend a pavement's life. Crack sealing and seal coating can reduce the effect of moisture in aging of asphalt pavement.

With all of these variables, it is easy to see why pavements deteriorate at various rates and why we find them in various stages of disrepair. Recognizing defects and understanding their causes helps us rate pavement condition and select cost-effective repairs. The pavement defects shown on the following pages provide a background for this process.

Periodic inspection is necessary to provide current and useful evaluation data. It is recommended that PASER ratings be updated every two years, and an annual update is even better.

SURFACE DEFECTS

Raveling

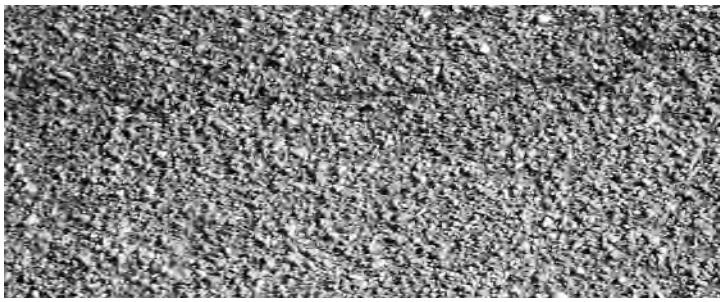
Raveling is progressive loss of pavement material from the surface downward, caused by: stripping of the bituminous film from the aggregate, asphalt hardening due to aging, poor compaction especially in cold weather construction, or insufficient asphalt content. Slight to moderate raveling has loss of fines. Severe raveling has loss of coarse aggregate. Raveling in the wheelpaths can be accelerated by traffic. Protect pavement surfaces from the environ - ment with a sealcoat or a thin overlay if additional strength is required.

Flushing

Flushing is excess asphalt on the surface caused by a poor initial asphalt mix design or by paving or sealcoating over a flushed surface. Repair by blotting with sand or by overlaying with properly designed asphalt mix.

Polishing

Polishing is a smooth slippery surface caused by traffic wearing off sharp edges of aggregates. Repair with sealcoat or thin bituminous overlay using skid-resistant aggregate.



◄ **Slight raveling. Small aggregate particles have worn away exposing tops of large aggregate.**



◄ **Moderate to severe raveling. Erosion further exposes large aggregate.**

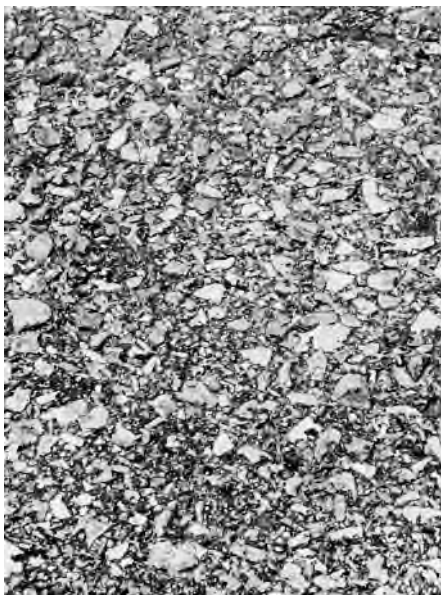


◄ **Severe raveling and loss of surface material.**

Polished, worn aggregate needs repair. ▼

► **Flushing. Dark patches show where asphalt has worked to surface.**







SURFACE DEFORMATION

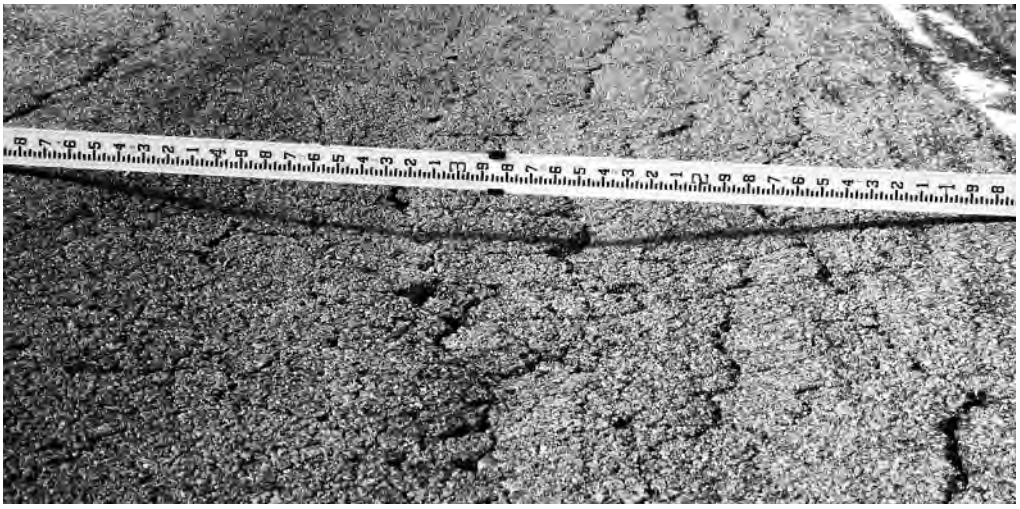
Rutting

Rutting is displacement of material, creating channels in wheelpaths. It is caused by traffic compaction or displacement of unstable material. Rutting of any severity can cause safety concerns because water can collect in ruts increasing vehicle stopping distances and increasing the chances of hydroplaning. In freezing temperatures ice can form in ruts. Severe rutting (2 inches or more in depth) may be caused by base or subgrade consolidation. Repair minor rutting with microsurfacing or overlays. Severe rutting requires milling the old surface or reconstructing the roadbed before resurfacing.

◄
Even slight rutting is evident after a rain.



◄
Severe rutting over 2" caused by poor mix design.



◄
Severe rutting caused by poor base or subgrade.

Distortion

Shoving or rippling is surfacing material displaced crossways to the direction of traffic. It can develop into washboarding when the asphalt mixture is unstable because of poor quality aggregate or improper mix design. Repair by milling smooth and overlaying with stable asphalt mix.

Other pavement distortions may be caused by settling, frost heave, etc. Patching may provide temporary repair. Permanent correction usually involves removal of unsuitable

▼ **Heavy traffic has shoved pavement into washboard ripples and bumps.**





► **Severe settling from utility trench.**



► **Frost heave damage from spring break-up.**

▼ **Widely spaced, well-sealed cracks.**





subgrade material and reconstruction.

CRACKS

Transverse cracks

A crack at approximately right angles to the center line is a transverse crack. They are often regularly spaced. The cause is movement due to temperature changes and hardening of the asphalt with aging.

Transverse cracks will initially be widely spaced (over 50'). Additional cracking will occur with aging until they are closely spaced (within several feet). These usually begin as hairline or very narrow cracks; with aging they widen. If not properly sealed and maintained, secondary or multiple cracks develop parallel to the initial crack. The crack edges can further deteriorate by raveling and eroding the adjacent pavement.

Prevent water intrusion and damage by sealing cracks which are more than ¼" wide.

◄ **Sealed cracks, a few feet apart.**



▲ **Tight cracks less than ¼" in width.**



▲ **Open crack – ½" or more in width.**



▲ **Water enters unsealed cracks softening pavement and causing secondary cracks.**



▲ **Pavement ravels and erodes along open cracks causing deterioration.**

Reflection cracks

Cracks in overlays reflect the crack pattern in the pavement underneath. They are difficult to prevent and correct. Thick overlays or reconstruction is usually required.



► **Concrete joints reflected through bituminous overlay.**

Slippage cracks

Crescent or rounded cracks in the direction of traffic, caused by slippage between an overlay and an underlying pavement. Slippage is most likely to occur at intersections where traffic is stopping and starting. Repair by removing the top surface and resurfacing using a tack coat.



► **Crescent-shaped cracks characteristic of slippage.**



► **Loss of bond between pavement layers allows traffic to break loose pieces of surface.**

Centerline crack (still tight). ►



Edge cracking from weakened subbase and traffic loads. ▼



Longitudinal cracks

Cracks running in the direction of traffic are longitudinal cracks. Center line or lane cracks are caused by inadequate bonding during construction or reflect cracks in underlying pavement. Longi - tudinal cracks in the wheel path indicate fatigue failure from heavy vehicle loads. Cracks within one foot of the edge are caused by insufficient shoulder support, poor drainage, or frost action. Cracks usually start as hairline or vary narrow and widen and erode with age. Without crack filling, they can ravel, develop multiple cracks, and become wide enough to require patching.

Filling and sealing cracks will reduce moisture penetration and prevent further subgrade weakening. Multiple longitudinal cracks in the wheel path or pavement edge indicate a need for strengthening with an overlay or reconstruction.

► First stage of wheelpath cracking caused by heavy traffic loads.



Load-related cracks in wheel path. ▼

Multiple open, longitudinal cracks that are raveling. ▼





Block cracks

Block cracking is interconnected cracks forming large blocks. Cracks usually intersect at nearly right angles. Blocks may range from one foot to approximately 10′ or more across. The closer spacing indicates more advanced aging caused by shrinking and hardening of the asphalt over time. Repair with sealcoating during early stages to reduce weathering of the asphalt. Overlay or reconstruction required in the advanced stages.



► **Large blocks, approximately 10′ across.**



► **Intermediate-size block cracking, 1′-5′ across with open cracks.**



▲ **Extensive block cracking in an irregular pattern.**



► **Severe block cracking – 1′ or smaller blocks. Tight cracks with no raveling.**

Alligator cracks

Interconnected cracks forming small pieces ranging in size from about 1" to 6". This is caused by failure of the surfacing due to traffic loading (fatigue) and very often also due to inadequate base or subgrade support. Repair by excavating localized areas and replacing base and surface. Large areas require reconstruction. Improvements in drainage may often be required.



◄
Alligator crack pattern. Tight cracks and one patch.



◄
Characteristic "chicken wire" crack pattern shows smaller pavement pieces and patching.



◄
Open raveled alligator cracking with settlement along lane edge most likely due to very soft subgrade.

PATCHES AND POTHOLES

Patches

Original surface repaired with new asphalt patch material. This indicates a pavement defect or utility excavation which has been repaired. Patches with cracking, settlement or distortions indicate underlying causes still remain. Recycling or reconstruction are required when extensive patching shows distress.



► **Typical repair of utility excavation. Patch in fair to good condition.**



► **Edge wedging. Pavement edges strengthened with wedges of asphalt. Patch is in very good condition.**



► **Extensive patching in very poor condition.**

Potholes

Holes and loss of pavement material caused by traffic loading, fatigue and inadequate strength. Often combined with poor drainage. Repair by excavating or rebuilding localized potholes. Reconstruction required for extensive defects.



◄
Small pothole where top course has broken away.



◄
Multiple potholes show pavement failure, probably due to poor subgrade soils, frost heave, and bad drainage.



◄
Large, isolated potholes extend through base. Note adjacent alligator cracks which commonly deteriorate into potholes.

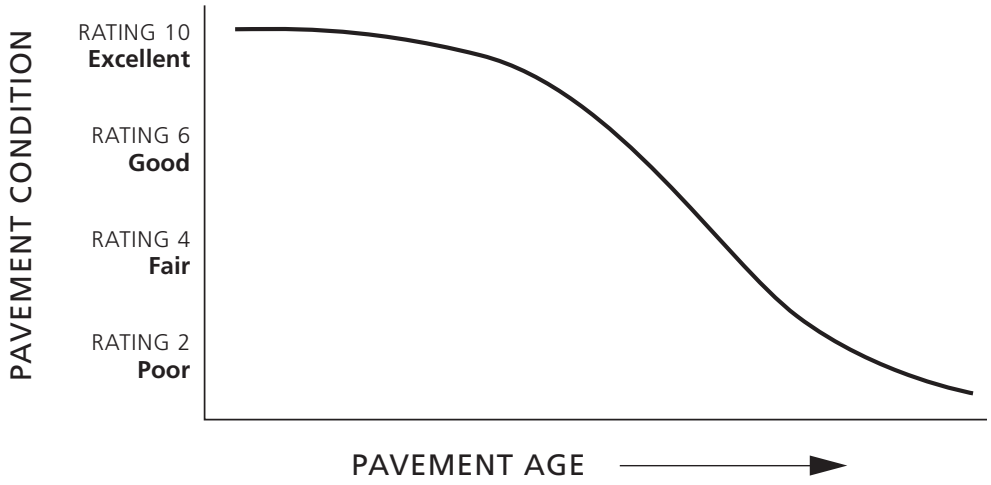
Rating pavement surface condition

With an understanding of surface distress, you can evaluate and rate asphalt pavement surfaces. The rating scale ranges from **10–excellent** condition to **1–failed**. Most pave - ments will deteriorate through the phases listed in the rating scale. The time it takes to go from excellent condition (10) to complete failure (1) depends largely on the quality of the original construction and the amount of heavy traffic loading.

Once significant deterioration begins, it is common to see pavement decline rapidly. This is usually due to a combination of loading and the effects of additional moisture. As a pavement ages and additional cracking develops, more moisture can enter the pavement and accelerate the rate of deterioration.

Look at the photographs in this section to become familiar with the descriptions of the individual rating categories. To evaluate an individual pavement segment, first determine its general condition. Is it relatively new, toward the top end of the scale? In very poor condition and at the bottom of the scale? Or somewhere in between? Next, think generally about the appropriate maintenance method. Use the rating categories outlined below.

Finally, review the individual pavement distress and select the appropriate surface rating. Individual pavements will ***not*** have all of the types of distress listed for any particular rating. They may have only one or two types.



In addition to indicating the surface condition of a road, a given rating also includes a recommendation for needed maintenance or repair. This feature of the rating system facilitates its use and enhances its value as a tool in ongoing road maintenance.

RATINGS ARE RELATED TO NEEDED MAINTENANCE OR REPAIR

Rating 9 & 10	No maintenance required
Rating 8	Little or no maintenance
Rating 7	Routine maintenance, cracksealing and minor patching
Rating 5 & 6	Preservative treatments (sealcoating)
Rating 3 & 4	Structural improvement and leveling (overlay or recycling)
Rating 1 & 2	Reconstruction

Rating system

Surface rating	*Visible distress**	*General condition/ treatment measures*
10 Excellent	None.	New construction.
9 Excellent	None.	Recent overlay. Like new.
8 Very Good	No longitudinal cracks except reflection of paving joints. Occasional transverse cracks, widely spaced (40′ or greater). All cracks sealed or tight (open less than ¼″).	Recent sealcoat or new cold mix. Little or no maintenance required.
7 Good	Very slight or no raveling, surface shows some traffic wear. Longitudinal cracks (open ¼″) due to reflection or paving joints. Transverse cracks (open ¼″) spaced 10′ or more apart, little or slight crack raveling. No patching or very few patches in excellent condition.	First signs of aging. Maintain with routine crack filling.
6 Good	Slight raveling (loss of fines) and traffic wear. Longitudinal cracks (open ¼″–½″). Transverse cracks (open ¼″–½″), some spaced less than 10′. First sign of block cracking. Sight to moderate flushing or polishing. Occasional patching in good condition.	Shows signs of aging. Sound structural condition. Could extend life with sealcoat.
5 Fair	Moderate to severe raveling (loss of fine and coarse aggregate). Longitudinal and transverse cracks (open ½″ or more) show first signs of slight raveling and secondary cracks. First signs of longitudinal cracks near pavement edge. Block cracking up to 50% of surface. Extensive to severe flushing or polishing. Some patching or edge wedging in good condition.	Surface aging. Sound structural condition. Needs sealcoat or thin non-structural overlay (less than 2″)
4 Fair	Severe surface raveling. Multiple longitudinal and transverse cracking with slight raveling. Longitudinal cracking in wheel path. Block cracking (over 50% of surface). Patching in fair condition. Slight rutting or distortions (½″ deep or less).	Significant aging and first signs of need for strengthening. Would benefit from a structural overlay (2″ or more).
3 Poor	Closely spaced longitudinal and transverse cracks often showing raveling and crack erosion. Severe block cracking. Some alligator cracking (less than 25% of surface). Patches in fair to poor condition. Moderate rutting or distortion (greater than ½″ but less than 2" deep). Occasional potholes.	Needs patching and repair prior to major overlay. Milling and removal of deterioration extends the life of overlay.
2 Very Poor	Alligator cracking (over 25% of surface). Severe rutting or distortions (2″ or more deep). Extensive patching in poor condition. Potholes.	Severe deterioration. Needs reconstruction with extensive base repair. Pulverization of old pavement is effective.
1 Failed	Severe distress with extensive loss of surface integrity.	Failed. Needs total reconstruction.

** Individual pavements will not have all of the types of distress listed for any particular rating. They may have only one or two types.*

RATING 10 & 9

EXCELLENT —
No maintenance required

Newly constructed or recently overlaid roads are in excellent condition and require no maintenance.



► **RATING 10**
New construction.



► **RATING 9**
Recent overlay, rural.



► **RATING 9**
Recent overlay, urban.



RATING 8

VERY GOOD —
Little or no maintenance required

This category includes roads which have been recently sealcoated or overlaid with new cold mix. It also includes recently constructed or overlaid roads which may show longitudinal or transverse cracks. All cracks are tight or sealed.

◄ **Recent chip seal.**



◄ **Recent slurry seal.**



▲ **New cold mix surface.**



▼ **Widely spaced, sealed cracks.**

RATING 7

GOOD —
Routine crack sealing recommended

Roads show first signs of aging, and they may have very slight raveling. Any longitudinal cracks are along paving joint. Transverse cracks may be approximately 10′ or more apart. All cracks are ¼″ or less, with little or no crack erosion. Few if any patches, all in very good condition. Maintain a crack sealing program.



► **Tight and sealed transverse and longitudinal cracks. Maintain crack sealing program.**



► **Tight longitudinal crack and sealed transverse cracks.**



► **Transverse cracks about 10′ or more apart. Maintain crack sealing program.**



RATING 6

GOOD —
Consider preservative treatment

Roads are in sound structural condition but show definite signs of aging. Seal-coating could extend their useful life. There may be slight surface raveling. Transverse cracks can be frequent, less than 10′ apart. Cracks may be ¼–½″ and sealed or open. Pavement is generally sound adjacent to cracks. First signs of block cracking may be evident. May have slight or moderate bleeding or polishing. Patches are in good condition.

◄ **Slight surface raveling with tight cracks, less than 10′ apart.**



◄ **Transverse cracks less than 10′ apart; cracks well-sealed.**

▼ **Large blocks, early signs of raveling and block cracking.**



▼ **Open crack, ½″ wide; adjoining pavement sound.**



▼ **Moderate flushing.**



RATING 5

FAIR —
Preservative maintenance treatment required

Roads are still in good structural condition but clearly need sealcoating or overlay. They may have moderate to severe surface raveling with significant loss of aggregate. First signs of longitudinal cracks near the edge. First signs of raveling along cracks. Block cracking up to 50% of surface. Extensive to severe flushing or polishing. Any patches or edge wedges are in good condition.

▼ **Block cracking with open cracks.**





► **Moderate to severe raveling in wheel paths.**

▼ **Severe flushing.**





▲ **Wedges and patches extensive but in good condition.**

RATING 4

FAIR —
Structural improvement required

Roads show first signs of needing strengthening by overlay. They have very severe surface raveling which should no longer be sealed. First longitudinal cracking in wheel path. Many transverse cracks and some may be raveling slightly. Over 50% of the surface may have block cracking. Patches are in fair condition. They may have rutting ½" deep or less, or slight distortion.

Severe raveling with ▼ extreme loss of aggregate.



Load cracking and slight ▼ rutting in wheel path.





◄ Longitudinal cracking; early load-related distress in wheel path. Strengthening needed.

▼ Slight rutting; patch in good condition.







▼ Extensive block cracking. Blocks tight and sound.

◄ Slight rutting in wheel path.

RATING 3

POOR—
Structural improvement required

Roads must be strengthened with a structural overlay (2" or more). Will benefit from milling and very likely will require pavement patching and repair beforehand. Cracking will likely be extensive. Raveling and erosion in cracks may be common. Surface may have severe block cracking and show first signs of alligator cracking. Patches are in fair to poor condition. There is moderate distortion or rutting (more than ½" and less than 2" in depth), and occasional potholes.



► **Many wide and raveled cracks indicate need for milling and overlay.**



► **Ruts need mill and overlay.**



► **Open and raveled block cracks.**



RATING 3

POOR — (continued)
Structural improvement required

◄ **Alligator cracking. Edge needs repair and drainage needs improvement prior to rehabilitation.**

▼ **Distortion with patches in poor condition. Repair and overlay.**



RATING 2

VERY POOR—
Reconstruction required

Roads are severely deteriorated and need reconstruction. Surface pulverization and additional base may be cost-effective. These roads have more than 25% alligator cracking, distortion or rutting 2 inches or more in depth, as well as potholes or extensive patches in poor condition.



► **Extensive alligator cracking. Pulverize and rebuild.**





▲ **Severe rutting. Strengthen base and reconstruct.**

▲ **Patches in poor condition, wheelpath rutting. Pulverize, strengthen and reconstruct.**



► **Severe frost damage. Reconstruct.**

RATING 1

FAILED —
Reconstruction required

Roads have failed, showing severe distress and extensive loss of surface integrity.



◄
Potholes from frost damage. Reconstruct.



◄
Potholes and severe alligator cracking. Failed pavement. Reconstruct.



◄
Extensive loss of surface. Rebuild.

Practical advice on rating roads

Inventory and field inspection

Most agencies routinely observe roadway conditions as a part of their normal work and travel. However, an actual inspection means looking at the entire roadway system as a whole and preparing a written summary of conditions. This inspection has many benefits over casual observations. It can be helpful to compare segments, and ratings decisions are likely to be more consistent because the roadway system is considered as a whole within a relatively short time.

An inspection also encourages a review of specific conditions important in roadway maintenance, such as drainage, adequate strength, and safety.

A simple written inventory is useful in making decisions where other people are involved. You do not have to trust your memory, and you can usually answer questions in more detail. Having a written record and objective information also improves your credi - bility with the public.

Finally, a written inventory is very useful in documenting changing roadway conditions. Without records over several years it is impossible to know if road conditions are improving, holding their own, or declining.

Annual budgets and long range planning are best done when based on actual needs as documented with a written inventory.

The Wisconsin DOT local road inventory (WISLR) is a valuable resource for managing your local roads. Adding PASER surface condition ratings is an important improvement.

Averaging and comparing sections

For evaluation, divide the local road system into individual segments which are similar in construction and condi - tion. Rural segments may vary from ½ mile to a mile long, while sections in urban areas will likely be 1-4 blocks long or more. If you are starting with the WISLR Inventory, the segments have already been established. You may want to review them for consistent road conditions.

Obviously, no roadway segment is entirely consistent. Also, surfaces in one section will not have all of the types of distress listed for any particular rating. They may have only one or two types. Therefore, some averaging is necessary.

The objective is to rate the condition that represents the majority of the roadway. Small or isolated conditions should not influence the rating. It is useful to note these special conditions on the inventory form so this information can be used in planning specific improvement projects. For example, some spot repairs may be required.

Occasionally surface conditions vary significantly within a segment. For example, short sections of good condition may be followed by sections of poor surface conditions. In these cases, it is best to rate the segment according to the worst conditions and note the variation on the form.

The overall purpose of condition rating is to be able to compare each segment relative to all the other segments in your roadway system. On completion you should be able to look at any two pavement segments and find that the better surface has a higher rating.

Within a given rating, say 6, not all pavements will be exactly the same. However, they should all be considered to be in better condition than those with lower ratings, say 5. Sometimes it is helpful in rating a difficult segment to compare it to other previously rated segments. For example, if it is better than one you rated 5 and worse than a typical 7, then a rating of 6 is appropriate. Having all pavement segments rated in the proper relative order is most important and useful.

Assessing drainage conditions

Moisture and poor pavement drainage are significant factors in pavement deterioration. Some assessment of drainage conditions during pavement rating is highly recommended. While you should review drainage in detail at the project level, at this stage simply include an overview drainage evaluation at the same time as you evaluate surface condition.



Urban drainage.

RATING: Excellent

Good rural ditch and driveway culvert. Culvert end needs cleaning.

RATING: Good



High shoulder and no ditch lead to pavement damage. Needs major ditch improvement for a short distance.

RATING: Fair



No drainage leads to failed pavement.

RATING: Poor



Consider both pavement surface drainage and lateral drainage (ditches or storm sewers). Pavement should be able to quickly shed water off the surface into the lateral ditches. Ditches should be large and deep enough to drain the pavement and remove the surface water efficiently into adjacent waterways.

Look at the roadway crown and check for low surface areas that permit ponding. Paved surfaces should have approximately a 2% cross slope or crown across the roadway. This will provide approximately 3" of fall on a 12' traffic lane. Shoulders should have a greater slope to improve surface drainage.

A pavement's ability to carry heavy traffic loads depends on both the pavement materials (asphalt surfacing and granular base) and the strength of the underlying soils. Most soils lose strength when they are very wet. Therefore, it is important to provide drainage to the top layer of the subgrade supporting the pavement structure.

In rural areas, drainage is provided most economically by open ditches that allow soil moisture to drain laterally. As a rule of thumb, the bottom of the ditch ought to be at least one foot below the base course of the pavement in order to drain the soils. This means that minimum ditch depth should be about 2' below the center of the pavement. Deeper ditches, of course, are required to accommodate roadway culverts and maintain the flow line to adjacent drainage channels or streams.

You should also check culverts and storm drain systems. Storm drainage systems that are silted in, have a large accumulation of debris, or are in poor structural condition will also degrade pavement performance.

The T.I.C. publication, ***Drainage Manual: Local Road Assessment and Improvement,*** describes the elements of drainage systems, depicts them in detailed photographs, and explains how to rate their condition. Copies are available from the Transportation Information Center.

Planning annual maintenance and repair budgets

We have found that relating a normal maintenance or rehabilitation proce - dure to the surface rating scheme helps local officials use the rating system. However, an individual surface rating should not automatically dictate the final maintenance or rehabilitation technique.

You should consider safety, future traffic projections, original construc - tion, and pavement strength since these may dictate a more comprehen- sive rehabilitation than the rating suggests. On the other hand, it may be appropriate under special condi- tions to do nothing and let the pavement fully deteriorate, then rebuild when funds are available.

Summary

Using local road funds most efficiently requires good planning and accurate identification of appropriate rehabili - tation projects. Assessing roadway conditions is an essential first step in this process. This asphalt pavement surface condition rating procedure has proved effective in improving decision making and using highway funds more efficiently. It can be used directly by local officials and staff. It may be combined with additional testing and data collection in a more comprehensive pavement manage- ment system.

Transportation Information Center Publications

Pavement Surface Evaluation and Rating (PASER) Manuals

- **Asphalt PASER Manual,** 28 pp.
- **Brick and Block PASER Manual,** 8 pp.
- **Concrete PASER Manual,** 28 pp.
- **Gravel PASER Manual,** 20 pp.
- **Sealcoat PASER Manual,** 16 pp.
- **Unimproved Roads PASER Manual,** 12 pp.

Drainage Manual
Local Road Assessment and Improvement, 6 pp.

SAFER Manual
Safety Evaluation for Roadways, 40 pp.

Flagger's Handbook (pocket-sized guide), 22 pp.

Work Zone Safety, Guidelines for Construction, Maintenance, and Utility Operations, (pocket-sized guide), 58 pp.

Wisconsin Transportation Bulletins

#1 Understanding and Using Asphalt
#2 How Vehicle Loads Affect Pavement Performance
#3 LCC—Life Cycle Cost Analysis
#4 Road Drainage
#5 Gravel Roads
#6 Using Salt and Sand for Winter Road Maintenance
#7 Signing for Local Roads
#8 Using Weight Limits to Protect Local Roads
#9 Pavement Markings
#10 Seal Coating and Other Asphalt Surface Treatments
#11 Compaction Improves Pavement Performance
#12 Roadway Safety and Guardrail
#13 Dust Control on Unpaved Roads
#14 Mailbox Safety
#15 Culverts-Proper Use and Installation
#16 Geotextiles in Road Construction/Maintenance and Erosion Control
#17 Managing Utility Cuts
#18 Roadway Management and Tort Liability in Wisconsin
#19 The Basics of a Good Road
#20 Using Recovered Materials in Highway Construction
#21 Setting Speed Limits on Local Roads
#22 Pre-wetting and Anti-icing
#23 Meeting Minimum Sign Retroreflectivity Standards

Transportation Information Center
University of Wisconsin–Madison

432 North Lake Street
Madison, WI 53706
800/442-4615 TEL
608/263-3160 FAX
tic@epd.engr.wisc.edu
http://tic.engr.wisc.edu

PASER

Asphalt Roads

Transportation Information Center
University of Wisconsin–Madison

221-601.521-960.000	INDIRECT COST ALLOCATION	18,894.00	
221-601.525-960.000	INDIRECT COST ALLOCATION	17,888.00	
221-601.526-960.000	INDIRECT COST ALLOCATION	6,265.00	
221-601.530-960.000	INDIRECT COST ALLOCATION	145.00	
221-601.534-960.000	INDIRECT COST ALLOCATION	22,660.00	
221-601.536-960.000	INDIRECT COST ALLOCATION	145.00	
221-601.540-960.000	INDIRECT COST ALLOCATION	14,753.00	
221-601.542-960.000	INDIRECT COST ALLOCATION	4,920.00	
221-601.544-960.000	INDIRECT COST ALLOCATION	969.00	
221-601.545-960.000	INDIRECT COST ALLOCATION	4,078.00	
221-601.550-960.000	INDIRECT COST ALLOCATION	4,169.00	
221-601.560-960.000	INDIRECT COST ALLOCATION	5,323.00	
221-601.911-960.000	INDIRECT COST ALLOCATION	11,813.00	
		-	
	totals	296,281.00	296,281.00
Amendment Balance			-
Department Head Approval		Date 2/23/24	
Finance Office Use Only			
Finance Officer Review		Date	
County Administrator Approval		Date	
Board Approval		Date	

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

Health Department Budget Amendment
March 12, 2024

CONTACT:
Chad Shaw*, Health Officer*
Brenda Ingersoll*, Office Manager*

DESCRIPTION:
This amendment will adjust the County Central Services Indirect Cost Allocation amounts per the December 31, 2022 Cost Allocation Plan. The Health Department share of allocated costs to be applied to 2024 is $278,382. Indirect cost allocation currently budgeted for 2024 is $296,281 and this amendment decreases direct costs by $18,102 and distributes the budget to the programs.

OTHER DEPARTMENTS/AGENCIES AFFECTED:
N/A

FINANCIAL ANALYSIS:
See attached

LEGAL REVIEW:
N/A

DEADLINE:
N/A

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):
1. Request approval of the Health Department Budget Amendment.

ADMINISTRATOR'S RECOMMENDATION:
County Administrator recommends approval of this request.

Budget Amendment

Date: 2/20/2024

Department: Health

Requestor: Brenda Ingersoll

Reason: To adjust the County Central Services Indirect Cost Allocation amounts
Per the December 31, 2022 Cost Allocation Plan, the Health Department share of allocated costs to be applied to 2024 is $278,382
Indirect cost allocation currently budgeted for 2024 is $296,281
This amendment decreases indirect costs by $18,102
and distributes the budget to the programs

Revenue Line Items Fund Activity Account	Description	Debit Decrease	Credit Increase

Appropriation Line Items		Debit Increase	Credit Decrease
221-000.000-960.000	INDIRECT COST ALLOCATION		296,281.00
221-601.000-700.000	EXPENDITURE CONTROL	18,102.00	
221-601.145-960.000	INDIRECT COST ALLOCATION	116.00	-
221-601.200-960.000	INDIRECT COST ALLOCATION	1,160.00	
221-601.210-960.000	INDIRECT COST ALLOCATION	17,242.00	
221-601.220-960.000	INDIRECT COST ALLOCATION	4,160.00	
221-601.250-960.000	INDIRECT COST ALLOCATION	229.00	
221-601.260-960.000	INDIRECT COST ALLOCATION	229.00	
221-601.270-960.000	INDIRECT COST ALLOCATION	15,810.00	
221-601.280-960.000	INDIRECT COST ALLOCATION	10,309.00	
221-601.288-960.000	INDIRECT COST ALLOCATION	8,846.00	
221-601.300-960.000	INDIRECT COST ALLOCATION	7,458.00	
221-601.400-960.000	INDIRECT COST ALLOCATION	812.00	
221-601.424-960.000	INDIRECT COST ALLOCATION	14,421.00	
221-601.429-960.000	INDIRECT COST ALLOCATION	11,983.00	
221-601.460-960.000	INDIRECT COST ALLOCATION	32,029.00	
221-601.462-960.000	INDIRECT COST ALLOCATION	3,958.00	
221-601.475-960.000	INDIRECT COST ALLOCATION	907.00	
221-601.511-960.000	INDIRECT COST ALLOCATION	3,060.00	
221-601.512-960.000	INDIRECT COST ALLOCATION	3,739.00	
221-601.515-960.000	INDIRECT COST ALLOCATION	18,506.00	
221-601.518-960.000	INDIRECT COST ALLOCATION	2,240.00	
221-601.520-960.000	INDIRECT COST ALLOCATION	8,943.00	

221-601.521-960.000	INDIRECT COST ALLOCATION	18,894.00	
221-601.525-960.000	INDIRECT COST ALLOCATION	17,888.00	
221-601.526-960.000	INDIRECT COST ALLOCATION	6,265.00	
221-601.530-960.000	INDIRECT COST ALLOCATION	145.00	
221-601.534-960.000	INDIRECT COST ALLOCATION	22,660.00	
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221-601.911-960.000	INDIRECT COST ALLOCATION	11,813.00	
		-	
	totals	296,281.00	296,281.00
Amendment Balance			-
Department Head Approval		Date 2/23/24	

Finance Office Use Only	
Finance Officer Review	Date
County Administrator Approval	Date
Board Approval	Date

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

Approve Contract Amendment to Increase Ionia County Community Corrections FY24 Grant Award
March 12, 2024

CONTACT:
Selina Schmidt, CCAB Manager

DESCRIPTION:
Requesting approval and signature on contract amendment. This contract amendment will increase our grant award for FY24. This change will allow us to implement a new initiative this FY, the Tri-Cap Opioid Meth Specific Program (OMSP) which is an intensive inpatient treatment program for those showing a need for substance abuse treatment.

OTHER DEPARTMENTS/AGENCIES AFFECTED:
Circuit Court, Circuit Probation

FINANCIAL ANALYSIS:
There will be no additional cost to the county, as the grant is 100% reimbursement

LEGAL REVIEW:
Click here to enter text.

DEADLINE:
Click here to enter text.

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):
Approve the contract amendment increasing the FY24 OCC grant award and authorize appropriate signatures.

ADMINISTRATOR'S RECOMMENDATION:
County Administrator recommends approval of this request.

STATE OF MICHIGAN
DEPARTMENT OF CORRECTIONS
OFFICE OF COMMUNITY CORRECTIONS
P.O. BOX 30003
LANSING, MICHIGAN 48909

Change Notice 1
GRANT NO. CPS-2024-1-11
between
THE DEPARTMENT OF CORRECTIONS
and

GRANTEE NAME AND ADDRESS:	GRANTEE TELEPHONE:
Ionia County **100 W. Main St** **Ionia, MI 48846**	**616-527-5315**
GRANTEE CONTACT: **Selina Schmidt**	MDOC CONTACT: **Douglas Clark**

DESCRIPTION OF GRANT:
Office of Community Corrections - Pursuant to Michigan Public Act 511, funding supports local approved Comprehensive Corrections Plans that impact State Board priorities, target populations, and key objectives, through the use of evidence-based programming and services.

GRANT PERIOD: 1 Year FROM: **October 1, 2023** TO: **September 30, 2024**

BUDGET INFORMATION:

Effective immediately, the following changes are made to this Grant:

Increase the Total Authorized Budget by $7,274.00 for a new Total Authorized Budget of $67,950.00.

TOTAL AUTHORIZED BUDGET: $67,950.00

FOR THE GRANTEE:	**FOR THE STATE:**
Firm Name	Signature **Julie Hamp**
Authorized Agent Signature	Name **Deputy Director, MDOC**
Authorized Agent (Print or Type)	Title
Date	Date

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

Approve Contract with TRICAP for Ionia County Community Corrections FY24
March 12, 2024

CONTACT:
Selina Schmidt, CCAB Manager

DESCRIPTION:
Requesting approval and signature on contract with Tricap to allow for eligible participants to receive inpatient treatment through the Opioid Meth Specific Program

OTHER DEPARTMENTS/AGENCIES AFFECTED:
Circuit Court, Circuit Probation

FINANCIAL ANALYSIS:
There will be no additional cost to the county, as the grant is 100% reimbursement

LEGAL REVIEW:
Click here to enter text.

DEADLINE:
Click here to enter text.

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):
Approve the contract with Tricap and authorize appropriate signatures.

ADMINISTRATOR'S RECOMMENDATION:
County Administrator Recommends approval of this request.

AGREEMENT FOR SERVICES

BETWEEN IONIA COUNTY AND SMB PROBATION CENTER, TRI-COUNTY COMMUNITY ADJUDICATION PROGRAM

THIS AGREEMENT, made and entered into as of March 12, 2024 by and between the County of Ionia (hereinafter called "County"), presently of 100 W. Main Street, Ionia, Michigan 48846 and SMB Probation Center, Tri-County Community Adjudication Program, (hereinafter called "Subcontractor") presently of 2300 Veterans Memorial Parkway, Saginaw, Michigan 48601.

WITNESSETH:

WHEREAS, the County desires the Subcontractor to provide all "Core Services" as described in Rider C of the fiscal year 2023 Agreement between the State of Michigan, Office of Community Corrections and Ionia County Comprehensive Corrections Plan;

WHEREAS, the services contracted for pursuant to this Agreement are a proper concern of the County and are services that the County could otherwise perform pursuant to law.

NOW THEREFORE, for and in consideration of the mutual covenants hereinafter contained, **IT IS HEREBY AGREED** as follows:

I.

PROGRAM TO BE OPERATED BY SUBCONTRACTOR

The Subcontractor shall develop and implement a program to provide the services set forth in the attached Rider C of the fiscal year 2023 Agreement between the State of Michigan, Offices of Community Corrections and Ionia County Comprehensive Correction Plan (Exhibit A), which is incorporated by reference into this Agreement and made a part hereof (hereinafter referred to as the "Program").

II.

DUTIES OF SUBCONTRACTOR

The Subcontractor, in accordance with the general purposes and objectives of this Agreement as herein specified shall:

A. Provide the necessary administrative, professional, and technical staff for the operation of the program, and be responsible for such staff members.
B. Utilize record forms as prescribed by the County.
C. Submit reports as hereinafter stated.
D. Keep a separate set of books for the program.
E. Not comingle funds for the program with any other funds.
F. Obtain fidelity bonds for persons handling funds of the program.

III.
DURATION AND TERMINATION OF AGREEMENT

The Subcontractor shall commence performance of the services and obligations required of it hereunder on March 12, 2024 and shall continue said services through the 30th day of September 2024.

If the Subcontractor fails to fulfill in a timely and proper manner its obligations under this Agreement, or shall violate any of the covenants, agreements, and stipulations herein, the County shall give the Subcontractor written notice of such breach, and in the event that the Subcontractor has not remedied such breach within ten days, the County, within its sole discretion, shall have the right to terminate this Agreement. Such termination shall take immediate effect upon receipt of written notice by the Subcontractor. In the event of termination of the Agreement, as provided herein, the Subcontractor shall return to the County all monies paid hereunder, less the funds required to discharge all authorized debts or other obligations or services incurred under this agreement. It is expressly understood and agreed by the Subcontractor that in the event of a breach of this Agreement and its termination by the County, the County, in addition to the recover of funds as provided hereunder, reserves the right to seek any other remedies available at law and/or in equity.

Either party may terminate this Agreement if it is their decision that termination is in its best interests. The terminating party will provide no less than sixty days' written notice to the other party and will provide the reason(s) for its termination at the time notice is given.

Upon giving or receiving of the notice of termination, both parties will make all reasonable efforts to end expenditures under this Agreement during the sixty day notice period. Upon the end of the notice period, the Subcontractor, upon appropriate billing and documentation, will be reimbursed by the County for all expenditures and non-cancelable commitments incurred by the Subcontractor, subject to the available funds. The Subcontractor will return any unexpended or unencumbered funds to the County.

IV.

COMPENSATION

It is expressly understood and agreed that in no event will the total compensation for the Opioid Meth Specific Program under this agreement exceed the sum of **$18,000.00**. Subcontractor shall receive said compensation in the form of a monthly reimbursement at the rate of $125.00 per assessment and $35.00 per individual counseling session and $35.00 a person per group counseling session.

In the event that the funds granted in this Agreement or any portion thereof are found to be unauthorized by either the laws of the State of Michigan, or in any future audit of the County, the Subcontractor shall reimburse the County for all such funds found to be unauthorized by either the laws of the State of Michigan or in any future audit of the County, the subcontractor shall reimburse the County for all such funds found to be unauthorized.

V.

ACCOUNTING PROCEDURES

The Subcontractor's accounting procedures and internal financial controls shall conform to generally accepted accounting practices in order that the costs allowed by this Agreement can be readily ascertained and expenditures verified therefrom.

VI.

AUDITS

The Subcontractor agrees to finance and provide an audit of all financial records and books of accounts, which shall be conducted at least annually by a licensed independent accounting firm in accordance with generally accepted governmental auditing standards, State guidelines, and the Audit bulletin issued by the Local Government Audit Division of the Michigan Department of Treasury. The Subcontractor shall ensure timely and appropriate resolution of negative audit findings and recommendations. One copy of the audit shall be furnished to the County and to the State of Michigan, Office of Community Corrections. Copies of the audits will also be available to the public under the Freedom of Information Act.

VII

EXPENDITURES AND RECEIPT REPORTS

The Subcontractor shall prepare and submit expenditure and receipt reports as requested by the County. Time sheets, mileage records, and all other documentation of expenditures pursuant to this Agreement shall be available for inspection by authorized representatives of the County.

VIII

ANNUAL, SEMI-ANNUAL, AND EVALUATION REPORTS

The Subcontractor shall prepare and submit to the County the following reports:

A. Quarterly and annual reports, including programmatic and financial data, on the activities of the Second Party and the services provided pursuant to this Agreement;
B. Further evaluation reports when and as requested by the County.

The County shall determine what information shall be contained in each of the aforementioned reports. If any report is not completed to the satisfaction of the County, the County shall return the same to the Subcontractor, setting forth the additional information desired. The Subcontractor shall resubmit the same with the appropriate changes no later than two business days subsequent thereto. The Subcontractor shall submit any other reports to the County when and as requested by the County, provided at least five business days prior written notice is given by the Subcontractor.

IX

RECORD FORMS

In the event the County furnishes forms for any of the reports required under this Agreement, the Subcontractor shall use such forms.

X

ACCESS TO BOOKS, DOCUMENTS, PAPER, AND RECORDS

All books, documents, papers, and records, including but not limited to cancelled checks, invoices, vouchers, purchase orders, and contracts of the Subcontractor shall be open to inspection during regularly working hours by the County through the Ionia County Administrator or his designee. Refusal to allow the County or its representatives access to said records shall constitute a material breach of this Agreement and grounds for termination, In addition, the Ionia County Administrator or his designee shall be entitled to prepare quarterly and/or annual audits of all books and records pertaining to the program.

XI

MAINTENANCE OF RECORDS

The Subcontractor shall keep and maintain records covering persons served, the services rendered, and budget expenditures made pursuant to this Agreement for six years after termination of this Agreement or until a final audit has been performed by the County or its designee, whichever occurs first.

XII

REQUEST FOR REIMBURSEMENT

The Subcontractor shall submit a written request for reimbursement each month in accordance with Article IV including a certification that the Subcontractor has or will spend said amounts to the Ionia County CCAB Manager on or before the 10th day of each month. The County shall promptly process and pay said amounts upon approval by the County Administrator in accordance with adopted Board policies and State law.

XIII

EQUAL EMPLOYMENT OPPORTUNITY

The Subcontractor, as required by law, shall not discriminate against a person to be served or 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 preferences, handicap, height, weight, marital status, political affiliation, or beliefs.

The Subcontractor 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
B. The Michigan Handicappers Civil Rights Act, 1976 PA 220

C. Section 504 of the Federal Rehabilitation Act of 1974, PL 93-112, 87 Stat 394, and regulations promulgated thereunder.

Prior to commencement of services under this Agreement, the Subcontractor shall submit to the County a written evaluation of its compliance with Section 504 of the Federal Rehabilitation Act of 1974 evaluating the Subcontractor's facilities used to fulfill its responsibilities under this Agreement. The Subcontractor will utilize guidelines required by the County. To ensure that Subcontractor has complied with Section 504, the County may conduct reviews of the Subcontractor on a regular basis. Breach of this section shall be regarded as a material breach of this Agreement, and in the event the Subcontractor is found not to be in compliance with this section, the County may terminate his Agreement effective as of the date of delivery of written notification to the Subcontractor.

XIV

COMPLIANCE WITH THE LAW

The Subcontractor shall administer this program and provide all the services to be performed under this Agreement in compliance with all applicable Federal, state, and local laws, ordinances, rules, and regulations.

The Subcontractor agrees to comply with all provisions of the Agreement between the State of Michigan, Office of Community Corrections and Ionia County Comprehensive Corrections Plan.

XV

INDEPENDENT CONTRACTOR

It is expressly understood and agreed that the Subcontractor is an independent contractor. The employees, servants, and agents of the Subcontractor shall in no way be deemed to be and shall not hold themselves out as the employees, servants, or agents of the County. The Subcontractor's employees, servants, and agents 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 Subcontractor shall be responsible 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 Subcontractor shall carry workers' compensation coverage for its employees as required by law and shall provide the County with proof of said coverage if requested.

XVI

INDEMNIFICATION AND HOLD HARMLESS

The Subcontractor shall, at its own expense, protect, defend, indemnify, and save harmless the County, its elected and appointed officers, employees, servants, and agents from any and all liability resulting from any acts, omissions, or negligence of the Subcontractor, its employees, agents, or students that may arise out of this Agreement.

XVII

LIABILITY INSURANCE

Second party shall procure, pay the premium on, keep, and maintain during the term of this Agreement, comprehensive general liability insurance coverage in the amount of not less than $1,000,000.00 per claim covering all damages, personal and/or property, arising from the program operated pursuant to this Agreement. The Subcontractor shall maintain such other insurances as it deems appropriate for its own protection.

In the even the Subcontractor's insurance coverage required under this Agreement is at any time reduced to an amount of coverage less than that required by this section or terminated during the duration of this Agreement, Subcontractor's insurer shall provide the County with at least 30 days' prior written notification of such reduction or termination.

XVIII

WAIVERS

No failure or delay on the part of the County 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.

XIX

MODIFICATIONS, AMENDMENTS, OR WAIVERS OF PROVISIONS OF THE AGREEMENT

All modifications, amendments, or waivers of any provision of this Agreement may be made only by the written mutual consent of the parties hereto.

XX

ASSIGNMENT OR SUBCONTRACTING

The Subcontractor shall not assign, subcontract, or otherwise transfer its duties and/or obligations under this Agreement.

XXI

DISREGARDING 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.

XXII

COMPLETENESS OF THE AGREEMENT

This Agreement and any additional or supplementary documents incorporated herein by specific reference contains 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.

XXIII

INVALID PROVISION

If any provision of this Agreement is held to be invalid, the remainder of the Agreement shall not be affected thereby, except where the invalidity of the provision would result in the illegality and/or unenforceability of this Agreement.

XXIV

NONBENEFICIARY CONTRACT

This Agreement is not intended to be a third-party beneficiary contract and confers no rights on anyone other than the parties hereto.

XXV

CERTIFICATION

The persons signing on behalf of the Subcontractor certify by said signatures that they are duly authorized to sign this Agreement on behalf of the Subcontractor and that said Subcontractor has authorized this Agreement.

IN WITNESS WHEREOF, the parties have hereunto set their hands as of the dates written below.

County of Ionia

Dated:_____ By:_____
David Hodges, Chairman, Ionia County Board of Commissioners

Subcontractor

Dated:_____ By._____
SMB Probation Center Tri County Community Adjudication Program

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

March 12, 2024

CONTACT:
Patrick Jordan, County Administrator

DESCRIPTION:
Ionia County is party to a nationwide lawsuit against manufacturers and distributors of opioids, the pervasiveness of which has caused addiction in nearly every community in the country and a drain on resources. Settlements have been reached and we are holding funds. The schedule of penalties gives defendants up to 18 years to pay. Each municipality must fairly distribute funds to human service agencies that apply for funds. This process will need to be done annually.

OTHER DEPARTMENTS/AGENCIES AFFECTED:
Sheriff Dept., Health Dept and Courts (possibly)

FINANCIAL ANALYSIS:
Awards should be budgeted for the length of the 18-year award schedule.

LEGAL REVIEW:
County Attorney has approved. These court settlements are stipulated agreements and/or bankruptcies handed down from the federal court.

DEADLINE:
As soon as practicable

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):
Commissioner approval of the RFP and scoring matrix. Both documents will be released to the public as soon as BOC approval is obtained.

ADMINISTRATOR'S RECOMMENDATION:
Administration recommends.

Opioid Settlement Funds

Request for Funding Proposals-2024

Summary

Ionia County invites organizations or groups addressing opioid prevention, harm reduction, treatment, and recovery to apply for funding to support development, implementation, enhancement, or expansion of programs. This includes programs addressing substance use disorders, polysubstance use and co-occurring mental health and substance use disorders. While the selection process will utilize a competitive Request for Proposals (RFP) process, the number of awards will be dependent on the amount of funds available for annual allocation. The amount of funds available will differ annually and proposals will be accepted annually beginning April 15, 2024.

Goal

The goal of this opportunity is to serve Ionia County through development, implementation, enhancement or expansion of evidence-based strategies or promising practices to prevent and address the adverse impacts of the drug overdose epidemic.

Eligibility

Organizations or groups addressing opioid prevention, treatment, recovery, and harm reduction are eligible for funding to support development, implementation, enhancement, or expansion of programs. This includes programs addressing substance use disorders, polysubstance use and co-occurring mental health and substance use disorders. We encourage volunteer groups to also apply.

Out of county organizations may be considered for funding if they are serving Ionia County residents exclusively. Further, priority will be given to organizations with an established presence in Ionia County.

Availability of Funds

The number of awards will be dependent on the amount of funds available for annual allocation. The funds available will differ annually. Proposals will be accepted annually between April 15 and May 15.

The period of funding will be from July 1 through June 30, with the opportunity of extended funding on a yearly basis with satisfactory progress of the work plan.

Requirements

The Ionia Opioid Taskforce has identified local priority needs; Education, Treatment /Recovery, and Access. Funds will be allocated to support programs in Ionia County that fall within the needs of these areas and address gaps in county services.

- Focus on individuals and areas of the county most profoundly impacted by opioid use disorder (OUD) and co-occurring substance use disorder/mental health conditions (SUD/MH)
- Education programs that address Stigma and increase community awareness
- Education programs for youth
- Programs that provide equitable access to treatment and recovery
- Programs that are accessible to uninsured and underinsured residents
- Access to specialized regional programs such as Maternal Health Programs
- Expand MOUD programs and support existing recovery infrastructure

Organizations awarded funding are required to:

- Utilize funds within associated calendar year
- Ensure that utilization of funds as supplemental funding, rather than replacing existing funding
- Ensure all funds are used in alignment with Exhibit E and the definition of opioid remediation
- Ensure indirect costs do not exceed 10 percent (10%) of awarded funds.
- Provide data on program outputs, outcomes, impact, and effectiveness, following agreed upon metrics with Ionia County Opioid Taskforce
- Complete required biannual reports

Reporting Requirements

- Organizations should provide biannual (2x per year) progress reports to Patrick Jordan (pjordan@ioniacounty.org) outlining the following:
    - Staff working on the project.
    - Community partners involved with the project.
    - Challenges and barriers experienced within the associated timeframe.
    - Successes experienced within the associated timeframe.
    - Anticipated next steps.
    - Summary of funds expended
- Annual report to be provided at project close to Patrick Jordan by July 15, following the grant year.
    - Metrics to gauge outputs, outcomes, impact, and effectiveness as determined through scope of work.

Allowable Uses of Funds & Funding Restrictions

Activities must meet the definition of opioid remediation, be evidence-based strategies[1][2] or promising practices and align with allowable uses outlined by Exhibit E.[3] Strategies focused on local priority needs include:

1.) Core Strategies

- Naloxone or another FDA-approved drug to reverse opioid overdoses
- Medication-assisted Treatment (MAT) distribution and other opioid-related treatment
- Address the needs of pregnant and postpartum women
- Expanding treatment for Neonatal Abstinence Syndrome (NAS)
- Expansion of warm hand-off programs and recovery services
- Treatment for incarcerated population
- Prevention programs
- Expanding syringe service programs
- Evidence-based data collection and research analyzing the effectiveness of the abatement strategies within the state

2.) Approved Uses - Prevention

- Prevent over-prescribing and ensure appropriate prescribing and dispensing of opioids
- Prevent misuse of opioids
- Prevent overdose deaths and other harms (harm reduction)

3.) Approved Uses - Treatment

- Treat Opioid Use Disorder (OUD)
- Support people in treatment and recovery
- Connect people who need help to the help they need (connections to care)
- Address the needs of criminal justice-involved persons
- Address the needs of pregnant or parenting women and their families, including babies with NAS

4.) Approved Uses – Other Strategies

- Supporting first responders

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[1] https://www.lac.org/assets/files/TheOpioidEbatement-v3.pdf
[2] https://www.cdc.gov/drugoverdose/pdf/pubs/2018-evidence-based-strategies.pdf
[3] https://www.attorneygeneral.gov/wp-content/uploads/2021/12/Exhibit-E-Final-Distributor-Settlement-Agreement-8-11-21.pdf

- Leadership, planning and coordination
- Training
- Research

5.) Selection and Award Process

- Describe the project(s) for which funds are requested with an implementation plan.
- Explain how funds will be used to coordinate efforts with other agencies, if applicable.
- Describe the anticipated impact these funds will have on the community and what you hope to accomplish.
- Explain how these funds will be combined with other funding or matching funds to complete the project, if applicable.
- Submit a detailed budget showing how the requested funds will be expended**.**
- Proposals will be scored pursuant to the following points schedule:

Evidenced Based Strategy – **20pt**
evidence based strategies and promising practices

Feasibility – **25 pts**
Demonstrate that the organization has the Ability to deliver on the proposal.

Evaluation – **15 pts.**
Submit a workplan listing the outcomes to be measured.

Suitability – **25 pts.**
Indicate how the proposal fits Ionia County's needs. How will the proposal be sustainable? Will the proposals involve persons with lived experience with substance use disorder?

Equity – **5 pts.**
Describe how the project addresses the Community needs in a fair and equitable Manner.

Reach – **5 pts.**
Describe how the project reaches/targets those Most impacted by the opioid epidemic in Ionia County.

Additional Items – **5 pts.**

The budget is comprehensive and meets
The criteria for indirect costs not exceeding
10% of awarded funds.

Total: 100 pts.

Proposals are due to Ionia County at pjordan@ioniacounty.org by May 15, 2024. Notice of award is expected to occur by June 7, 2024. Following the notice of award, all awardees will meet with the Opioid Taskforce to discuss the deliverables and specific metrics for the project identified. The period of funding will be July 1 through June 30.

With questions related to this funding opportunity, please contact Patrick Jordan at pjordan@ioniacounty.org.

Opioid Settlement Funds

Application - 2024

Responsible Party: _____ Date: ___/___/_____

Contact Name: _____ Contact Email: _____

Contact Phone: (____) - Organization Address: _____

Time Frame: _____

Questions to be answered by the applicant, along with the criteria reviewers will use to evaluate the responses, are below. Unless otherwise specified, applicant responses are limited to 5,000 characters.

Evidence Based Strategy – 20 Points
Describe how the proposal uses an Evidence Based Strategy.

Feasibility – 25 Points
Demonstrate that the organization has the ability to deliver on the proposal.

Evaluation – 15 Points
Submit a work plan listing outcomes to be measured.

Suitability – 25 Points
Indicate how the proposal fits Ionia County's needs. How will the proposal be sustainable? Will the proposal involve a person or persons with lived experiences?

Equity – 5 Points
Describe how the project addresses community needs in a fair and equitable manner.

Reach – 5 Points

Describe how the project reaches/targets those most impacted by the opioid epidemic in Ionia County.

Additional Items – 5 Points

Indicate how the budget is comprehensive and meets the criteria for indirect costs not exceeding 10% of awarded funds.

Applicant Signature:

Date: ____/ ____/

IONIA COUNTY COMMISSION ON AGING
REQUEST FOR DISCUSSION/ACTION

Ionia County Commission on Aging requests approval of agency signature on a Memorandum of Agreement with MDHHS/PBHASA for Senior Project FRESH and purchase of coupons.
March 12, 2024

CONTACT:
Carol Hanulcik, Director

DESCRIPTION:
For many years, ICCOA has purchased Senior Project Fresh Coupons and distributed them throughout Ionia County for Seniors with annual incomes of less than 185% of poverty.

Senior Project Fresh Coupons help seniors purchase fresh, nutritious, MI-grown fruits and vegetables from participating farm markets and roadside stands.

This is an incredibly popular program in our county. Last year we had an impressive redemption rate on the coupons of over 85%.

OTHER DEPARTMENTS/AGENCIES AFFECTED:
This program benefits clients from many local agencies.

FINANCIAL ANALYSIS:
$12,000 for the purchase of Senior Project Fresh Coupons was included in our 2024 budget.

LEGAL REVIEW:
Click here to enter text.

DEADLINE:
As soon as possible. BPHASA has requested we return the signed agreement before March 29th.

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):
I move to approve the request of the Commission on Aging Director, to ratify the agency's signature on a Memorandum of Agreement between the MDHHS/BPHASA and the Ionia County Commission on Aging, for Senior Project Fresh/Market Fresh and to purchase coupons.

DEPARTMENT HEAD RECOMMENDATION:
I recommend ratification and purchase of coupons. This is a great program that directly benefits local seniors on fixed incomes. This will be presented to the ICCOA board at our March 21, 2024 board meeting.

ADMINISTRATOR'S RECOMMENDATION:
County Administrator Recommends Approval of this Request.

MEMORANDUM OF AGREEMENT
between the
Michigan Department of Health and Human Services
Behavioral and Physical Health and Aging Services Administration
And
Ionia County Commission on Aging
For Senior Project Fresh

Purpose: The Senior Farmers Market Nutrition Program (Senior Project Fresh) will provide coupons for the purchase of fresh, nutritious, unprepared, locally grown fruits, vegetables and honey from authorized farmers markets and roadside stands to individuals aged 60 years and older, or 55 years and older who belong to a Federally recognized Indian Tribe or Urban Tribal Group in Michigan, with gross incomes at or below 185% of the poverty level who reside in Ionia County.

Coupons will be distributed on a first-come, first-served basis during the period May 1 through September 30, 2024, for redemption during the period May 1 through October 31, 2024.

The MDHHS Behavioral Physical and Health and Aging Services Administration (BPHASA) agrees to:

A. Provide coupon books based on federal, state, and local dollar allocations.

B. Provide administrative direction and program coordination to local Senior Project Fresh program lead agencies.

C. Provide training on the receipt, handling and processing of Senior Project Fresh coupons distributed by BPHASA.

D. Provide computer-based applications for maintenance of application data.

E. Conduct a bi-annual audit of program operations, and, when feasible, in-person. BPHASA reserves the right to evaluate more frequently, as needed.

F. Provide at no charge, *"And Justice for All"* posters.

G. Provide annual programmatic reports.

H. Provide regular email updates regarding the program.

I. Will refund non-spent monies used for purchase of program year 2024 books by the lead agency.

The Senior Project Fresh program site located in Ionia **County assures that:**

A. Individuals enrolled in the Senior Project Fresh program are eligible according to established guidelines (income, age, residence).

B. Program staff participate in BPHASA offered training in the handling and distribution of Senior Project Fresh coupons.

C. The program will be promoted and marketed within Ionia County.

D. Nutrition education will be provided to all applicants regardless of eligibility. Acceptable nutrition education includes: written nutrition handouts, one-to-one counseling, telephonic and virtual education, group classes, market demonstrations, or other means as approved by BPHASA.

E. Staff and volunteers working with the Senior Project Fresh program are trained according to USDA guidelines.

F. Continued registration of participants up to September 30th, or until the lead agency's coupons have been distributed and BPHASA coupon allocations are exhausted.

G. Signatures for attestation of income are gathered before coupons are distributed.

H. Applicant data is entered monthly into the Lead Agency Database http://www.osapartner.net/leadagency with all entries completed no later than October 15, 2024.

I. The coupon book numbers of any non-issued coupon books are submitted to BPHASA by October 15th.

J. All applicants will be provided with referrals to nutrition counseling, congregate meals, home-delivered meals, personal care and chore services, if requested.

K. All information pertaining to the applicant will be maintained within a secure environment that provides complete client confidentiality.

L. All applications will be kept by the lead agency for three calendar years in a secure location, as required by USDA guidelines.

M. Ionia County Commission on Aging assures BPHASA that they are not on the "Excluded Parties List" and may receive coupons from federal funding sources. (http://www.sam.gov)

N. Will provide copies of civil rights policies, nondiscrimination, hearings, appeals, judicial review rights procedures to applicants and participants upon request.

O. Will display *"And Justice For All"* posters at all distribution sites.

P. Ionia County Commission on Aging will comply with all state or federal laws regarding nondiscrimination on the basis of race, color, national origin, sex, age or disability (as described in the nondiscrimination provisions of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments Act of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975 and the USDA regulation of nondiscrimination (7CFR Parts 15, 15a, and 15b).

Q. Ionia County Commission on Aging will be accountable for the actions of their employees, especially in regard to civil rights compliance.

SIGNATURES

Meghan E. Groen
Senior Deputy Director
BPHASA

Date

Signatory for Lead Agency

Carol Hanulcik

Printed name of Signatory

Director

Title of Signatory

Date

Signatory for Lead Agency

Printed name of Signatory

Title of Signatory

Date

MSHN
Mid-State Health Network

MSHN 2024 SUBSTANCE USE DISORDER (SUD) OVERSIGHT POLICY ADVISORY BOARD

INTERGOVERNMENTAL AGREEMENT

Background: Mid-State Health Network (MSHN) is a Community Mental Health Regional Entity formed under the Mental Health Code and PA500/501 of 2012 and designated as Region 5 under the Michigan Department of Health and Human Services' (MDHHS) Prepaid Inpatient Health Plan (PIHP) structure in Michigan. MSHN represents 21 Michigan counties, and is designated by MDHHS to coordinate the provision of Substance Use Disorder (SUD) services within its region. Per MDHHS requirement, Region 5 established its SUD Oversight Policy Advisory Board in 2013 through contractual agreement with each of MSHN's 21-counties, designating membership of one (1) representative from each county. Pursuant to the Mental Health Code, and MDHHs requirement, the Intergovernmental Agreement for MSHN's SUD Oversight Policy Board was fully executed in July of 2021, for a term of three (3) years.

Renewing MSHN's Intergovernmental Agreement:

- The Intergovernmental Agreement is a contractual agreement authorized and undertaken pursuant to Section 287 of the Michigan Mental Health Code (Public Act 2258 of 1974); the Michigan Transfer of Functions and Responsibilities Act (Public Act 8 of 1967) and the Michigan Intergovernmental Contracts between Municipal Corporations Act (Public Act 35 of 1951)
- The Intergovernmental Agreement is a contractual agreement which sets forth the terms and conditions of the SUD Oversight Policy Board pursuant to MCL 330.1287(5).
- MSHN, as a MDHHS-designated community mental health entity is required, under MCL 33o0.1287(5), to maintain the contractual agreement between it and each of the 21 counties within Region 5. Counties include: Arenac, Bay, Clare, Clinton, Eaton, Gladwin, Gratiot, Hillsdale, Huron, Ingham, Ionia, Isabella, Jackson, Mecosta, Midland, Montcalm, Newaygo, Osceola, Saginaw, Shiawassee and Tuscola.
- MSHN's SUD Oversight Policy Advisory Board has reviewed the contract for renewal, and authorized distribution to each of MSHN's 21-counties.
    - Revision to add language of alternate appointments and voting members in Section 2.2: Appointment/Composition.
    - Revision to Section 2.3: Term, to identify the term period reflected in the MSHN Bylaws.
    - Addition of non-discrimination language to Section 2.7: Compliance with Laws.

REQUESTED ACTION BY FRIDAY, APRIL 12, 2024: The Intergovernmental Agreement must be renewed/fully executed prior to the current agreement's expiration date of July 2024.

- To fully execute, the Intergovernmental Agreement requires signature by each county's administrator or authorized designee.
- Return completed agreement to:
    - Mid-State Health Network
      Attention: Sheryl Kletke: Sheryl.Kletke@midstatehealthnetwork.org
      530 W. Ionia Street, Suite F
      Lansing, MI 48933

INTERGOVERNMENTAL CONTRACT FOR THE ESTABLISHMENT OF A SUBSTANCE USE DISORDER OVERSIGHT POLICY BOARD

This Contract (this "Contract") is made as of the date it is fully executed and signed, by and among Mid-State Health Network ("MSHN"), Arenac County, Bay County, Clare County, Clinton County, Eaton County, Gladwin County, Gratiot County, Hillsdale County, Huron County, Ingham County, Ionia County, Isabella County, Jackson County, Mecosta County, Midland County, Montcalm County, Newaygo County, Osceola County, Saginaw County, Shiawassee County and Tuscola County (individually referred to as the "County," and collectively referred to as the "Counties"). This Contract is authorized and undertaken pursuant to Section 287 of the Michigan Mental Health Code (Public Act 258 of 1974, as amended the "Code"), the Michigan Intergovernmental Transfer of Functions and Responsibilities Act (Public Act 8 of 1967) and/or the Michigan Intergovernmental Contracts between Municipal Corporations Act (Public Act 35 of 1951).

RECITALS

MSHN is a community mental health regional entity formed under the Mental Health Code, MCL 330.1204b, that has submitted its Application For Participation as a Prepaid Inpatient Health Plan ("PIHP") under 42 CFR Part 438.

The Counties are located in a region designated by the Michigan Department of Health and Human Services ("MDHHS") as Region 5 under MDHHS's restructuring of PIHPs in Michigan.

Under 2012 PA 500 and 2012 PA 501, the coordination of the provision of substance use disorder services will be transferred, no later than October 1, 2014, from existing coordinating agencies to community mental health entities designated by MDHHS to represent a region of community mental health authorities, community mental health organizations, community mental health services programs or county community mental health agencies, as defined under MCL 330.1100a.

MSHN represents twelve (12) community mental health organizations in Region 5 and qualifies as a MDHHS-designated community mental health entity to coordinate the provision of substance use disorder services in Region 5.

MSHN, as a MDHHS-designated community mental health entity, is required, under MCL 330.1287(5) to establish a Substance Use Disorder Oversight Policy Board (SUD Policy Board) through a contractual agreement, under appropriate law, between MSHN and each of the Counties in Region 5.

MSHN and the Counties desire to enter into this Contract to establish a SUD Policy Board.

NOW, THEREFORE, in furtherance of the foregoing and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

ARTICLE I

PURPOSE

Section 1.1 PURPOSE. The purpose of this Contract is to set forth the terms and conditions for the establishment of a SUD Policy Board pursuant to MCL 330.1287(5).

ARTICLE II

SUD POLICY BOARD

Section 2.1 FUNCTIONS AND RESPONSIBILITIES. The SUD Policy Board shall have the following functions and responsibilities:

2.1.1 Approval of any portion of MSHN's budget that contains 1986 PA 2 (MCL 211.24e(11)), funds ("PA 2 Funds") for the treatment or prevention of substance use disorders which shall be used only for substance use disorder treatment and prevention in the Counties from which the PA 2 Funds originated;

2.1.2 Advise and make recommendations regarding MHSN's budgets for substance use disorder treatment or prevention using non-PA 2 Funds; and

2.1.4 Advise and make recommendations regarding contracts with substance use disorder treatment or prevention providers.

2.1.5 In addition, the SUD Policy Board may be assigned by MSHN to advise and make recommendations to MSHN regarding any other matters as agreed to by the Counties and MSHN including advising and making recommendations to MSHN on issues regarding:

2.1.5.1 Methods, policies or practices to ensure quality of SUD services including culturally competent policy and practices for the delivery of those services;

2.1.5.2 Methods, policies or practices to ensure that SUD services made available through the PIHP/Regional Entity are accessible, responsive to regional needs, available to all segments of the community, and are delivered in a comprehensive manner;

2.1.5.3 Reviewing and/or providing recommendations regarding the strategic plan developed by the PIHP/Regional Entity to address the prevalence of SUD in the service areas from a recovery-oriented systems of care (ROSC) perspective and approach;

2.1.5.4 Reviewing and/or providing recommendations regarding the establishment of sustainability plans for ROSC initiatives to include prevention, treatment and recovery supports;

2.1.5.5 Reviewing and/or providing recommendations to expand and coordinate resources and activities with other agencies, community organizations and individuals to support the mission of the PIHP/Regional Entity where ROSC are concerned;

2.1.5.6 Methods, policies or practices to provide an opportunity for public comment, and receive and review comments on matters relevant to SUD prevention, treatment and recovery within the communities serviced by the PIHP/Regional Entity;

2.1.5.7 Reviewing and/or providing recommendations on the annual application for the federal block grant, as well as the renewal and issuance of SUD services licenses;

2.1.5.8 Reviewing and/or providing recommendations on the progress and effectiveness of the delivery of SUD services in the region;

Section 2.2 APPOINTMENT/COMPOSITION. The Board of Commissioners of each of the Counties shall appoint one (1) voting member of the MSHN SUD Policy Board and one (1) alternate. The Board of Commissioners may appoint County Commissioners or others, as allowed by Michigan law, that it deems best represents the interests of its County. While the appointment decision is vested within the sole authority of the each County Board of Commissioners, Parties to this Agreement acknowledge that MDHHS encourages appointments which represent the cultural diversity of the area served, appointments of persons in recovery from a substance use disorder, underserved populations and other related constituencies such as education, health, and social services agencies; advocacy organizations; public or private substance abuse prevention, treatment or recovery providers; members of the general public, including civic organizations and the business community. The alternate shall be a voting member only if representing in the absence of the appointed member.

Section 2.3 TERM. The term of membership for a member of the MSHN SUD Policy Board shall be three (3) years, beginning in September and ending in August. Members may be reappointed to additional or successive terms in the discretion of the respective Board of Commissioners.

Section 2.4 VACANCIES. A vacancy on the SUD Policy Board shall be filled by the County that originally filled the vacated position in the same manner as an appointment.

Section 2.5 REMOVAL. By majority vote of the Board of Commissioners, a County that appointed a SUD Policy Board member may remove its appointee at any time with or without cause. The SUD Policy Board is responsible for informing the relevant County of any lack of participation or attendance by the County's appointed SUD Policy Board member.

Section 2.6 ETHICS AND CONFLICTS OF INTEREST. The SUD Policy Board shall adhere to all conflict of interest and ethics laws applicable to public officers and public servants, serving as members of the SUD Policy Board.

Section 2.7 COMPLIANCE WITH LAWS. MSHN, the Counties and the SUD Policy Board shall fully comply with all applicable laws, regulations and rules, including without limitation 1976 PA 267 (the "Open Meetings Act"), 1976 PA 422 (the "Freedom of Information Act"), 2012 PA 500, 2012 PA 501 and 1986 PA 2. MSHN and the Counties, as required by law, shall not discriminate against any Board member or applicant for appointment to the Board because of race, color, religion, sex (including gender identity or expression, sexual orientation and pregnancy), genetic information, national origin, age, disability, veteran status, marital status, or any other characteristic protected by law that is unrelated to the individual's ability to perform the duties of a particular job. Breach of this section shall be regarded as a material breach of this Agreement.

Section 2.8 BYLAWS. The SUD Policy Board shall adopt Bylaws which may be amended by the SUD Board as provided in those Bylaws subject to the review and approval of MSHN.

ARTICLE III

MSHN

Section 3.1 FUNDING. Each County will provide MSHN funding, as required by Section 24e of the General Property Tax Act (MCL 211.24e as amended) to be used only for substance abuse prevention and treatment programs in each County. MSHN shall ensure that funding dedicated to substance use disorder services shall be retained for substance use disorder services and not diverted to fund services that are not for substance use disorders. MCL 330.1287(2).

ARTICLE IV

TERM AND TERMINATION AND DISPUTE RESOLUTION

Section 4.1 TERM. The Term of this Contract shall commence as of the date it is fully executed and signed by all parties and shall continue for three years unless terminated at an earlier date as provided in Section 4.2. This Agreement is subject to the precondition that this Agreement be approved by concurrent resolution by each and every County. A copy of this Agreement once approved will be filed with the Secretary of State for the State of Michigan.

Section 4.2 TERMINATION. Any party may terminate its participation as a Party to this Contract at any time for any or no reason by giving all other parties thirty (30) days written notice of the termination. Any notice of termination of this Contract shall not relieve either party of its obligations incurred prior to the effective date of such termination.

Section 4.3 DISPUTE RESOLTUION. The Chief Executive Officer of MSHN will attempt to resolve disputes through discussion with the Chairperson of the SUD Policy Board or County Controller or Administrator, as needed. Occasionally disputes may arise between the SUD Policy Board and MSHN, or one or more of the Counties and MSHN, arising out of and relating to this Agreement or a breach thereof which cannot be resolved through amicable discussion. In such cases, if the dispute remains unresolved:

4.3.1 If the dispute is between MSHN and the SUD Policy Board, the governing board of either party may by majority vote request a meeting of designated representatives of the MSHN Board and SUD Policy Board in an effort to resolve the matter. Any mutual agreement by the parties will be reduced to writing and voted upon by each Party's governing board. If no mutual agreement is reached, the decision of MSHN as adopted by a majority vote of the MSHN Board will be deemed final.

4.3.2 If the dispute is between MSHN and one or more of the Counties, the governing board of either party may by majority vote request a meeting of designated representatives of the MSHN Board and representatives of one or more County Boards in an effort to resolve the matter. Any mutual agreement by the parties will be reduced to writing and voted upon by each Party's governing board. If MSHN or one or more of the Counties remain dissatisfied, the Parties may mutually agree to non-binding mediation. If non-binding mediation is agreed to, the Parties may mutually agree upon a mediator or submit a request that mediation be administered by the American Arbitration Association under its Mediation Procedures before resorting to arbitration, litigation, or some other

dispute resolution procedure. The Parties recognize that mediation is a non-binding process to assist them to resolve their disputes by making their own free and informed choices, and that the mediator will have no authority to impose a settlement on any party but only to discuss and suggest options for resolution. If the Parties do not agree to mediation, or if the Parties do not reach a mutually agreeable settlement through mediation within 30 days after initiation of mediation, the Parties may pursue any other dispute resolution or legal recourse as provided by law. The mediation process will take place at a reasonably convenient location to be agreed upon by the parties or determined by the mediator. At the option of the Parties, mediation sessions may take place by telephone or video conference or online when the technology is available. Administrative fees and mediator compensation for the process will be paid equally by the Parties to the dispute.

ARTICLE V

LIABILITY

Section 5.1 LIABILITY/RESPONSIBILITY. No party shall be responsible for the acts or omissions of the other party or the employees, agents or servants of any other party, whether acting separately or jointly with the implementation of this Contract. Each party shall have the sole nontransferable responsibility for its own acts or omissions under this Contract. The parties shall only be bound and obligated under this Contract as expressly agreed to by each party and no party may otherwise obligate any other party.

ARTICLE VI

MISCELLANEOUS

Section 6.1 AMENDMENTS. This Contract shall not be modified or amended except by a written document signed by all parties hereto.

Section 6.2 ASSIGNMENT. No party may assign its respective rights, duties or obligations under this Contract.

Section 6.3 NOTICES. All notices or other communications authorized or required under this Contract shall be given in writing, either by personal delivery or certified mail (return receipt requested) and shall be deemed to have been given on the date of personal delivery or the date of the return receipt of certified mail.

Section 6.4 ENTIRE AGREEMENT. This Contract shall embody the entire agreement and understanding between the parties hereto with respect to the subject matter hereof. There are no other agreements or understandings, oral or written, between the parties with respect to the subject matter hereof and this Contract supersedes all previous negotiations, commitments and writings with respect to the subject matter hereof.

Section 6.5 GOVERNING LAW. This Contract is made pursuant to, and shall be governed by, construed, enforced and interpreted in accordance with, the laws and decisions of the State of Michigan.

Section 6.6 BENEFIT OF THE AGREEMENT. The provisions of this Contract shall not inure to the benefit of, or be enforceable by, any person or entity other than the parties and

any permitted successor or assign. No other person shall have the right to enforce any of the provisions contained in this Contract including, without limitation, any employees, contractors or their representatives.

Section 6.7 ENFORCEABILITY AND SEVERABILITY. In the event any provision of this Contract or portion thereof is found to be wholly or partially invalid, illegal or unenforceable in any judicial proceeding, such provision shall be deemed to be modified or restricted to the extent and in the manner necessary to render the same valid and enforceable, or shall be deemed excised from this Contract, as the case may require. This Contract shall be construed and enforced to the maximum extent permitted by law, as if such provision had been originally incorporated herein as so modified or restricted, or as if such provision had not been originally incorporated herein, as the case may be.

Section 6.8 CONSTRUCTION. The headings of the sections and paragraphs contained in this Contract are for convenience and reference purposes only and shall not be used in the construction or interpretation of this Contract.

Section 6.9 COUNTERPARTS. This Contract may be executed in one or more counterparts, each of which shall be considered an original, but together shall constitute one and the same agreement.

Section 6.10 EXPENSES. Except as is set forth herein or otherwise agreed upon by the parties, each party shall pay its own costs, fees and expenses of negotiating and consummating this Contract, the actions and agreements contemplated herein and all prior negotiations, including legal and other professional fees.

Section 6.11 REMEDIES CUMULATIVE. All rights, remedies and benefits provided to the parties hereunder shall be cumulative, and shall not be exclusive of any such rights, remedies and benefits or of any other rights, remedies and benefits provided by law. All such rights and remedies may be exercised singly or concurrently on one or more occasions.

Section 6.12 BINDING EFFECT. This Contract shall be binding upon the successors and permitted assigns of the parties.

Section 6.13 NO WAIVER OF GOVERNMENTAL IMMUNITY. The parties agree that no provision of this Contract is intended, nor shall it be construed, as a waiver by any party of any governmental immunity or exemption provided under the Mental Health Code or other applicable law.

ARTICLE VII

CERTIFICATION OF AUTHORITY TO SIGN THIS CONTRACT

The persons signing this Contract on behalf of the parties hereto certify by said signatures that they are duly authorized to sign this Contract on behalf of said parties, and that this Contract has been authorized by said parties pursuant to formal resolution(s) of the appropriate governing body(ies), copies of which shall be provided to MSHN.

IN WITNESS WHEREOF, the parties hereto have entered into, executed and delivered this Contract as of the dates noted below.

MID-STATE HEALTH NETWORK REGIONAL ENTITY

By: _____ Date: _____

Its: _____

ARENAC COUNTY

By: _____ Date: _____

Its: _____

BAY COUNTY

By: _____ Date: _____

Its: _____

CLARE COUNTY

By: _____ Date: _____

Its: _____

CLINTON COUNTY

By: _____ Date: _____

Its: _____

EATON COUNTY

By: _____ Date: _____

Its: _____

GLADWIN COUNTY

By: _____ Date: _____

Its: _____

GRATIOT COUNTY

By: _____ Date: _____

Its: _____

HILLSDALE COUNTY

By: _____ Date: _____

Its: _____

HURON COUNTY

By: _____ Date: _____

Its: _____

INGHAM COUNTY

By: _____ Date: _____

Its: _____

IONIA COUNTY

By: _____ Date: _____

Its: _____

ISABELLA COUNTY

By: _____ Date: _____

Its: _____

JACKSON COUNTY

By: _____ Date: _____

Its: _____

MECOSTA COUNTY

By: _____ Date: _____

Its: _____

MIDLAND COUNTY

By: _____ Date: _____

Its: _____

MONTCALM COUNTY

By: _____ Date: _____

Its: _____

NEWAYGO COUNTY

By: _____ Date: _____

Its: _____

OSCEOLA COUNTY

By: _____ Date: _____

Its: _____

SAGINAW COUNTY

By: _____ Date: _____

Its: _____

SHIAWASSEE COUNTY

By: _____ Date: _____

Its: _____

TUSCOLA COUNTY

By: _____ Date: _____

Its: _____

Ionia Conservation District
431 Swartz Ct. #300, Ionia, MI 48846
Phone: 616-527-2098
www.ioniacd.org

Materials Management Update 12 March, 2024

Progress:

- Communications regarding multicounty plan have officially been conducted and documented per the requirements of EGLE.
    - Only neighboring county interested in discussing partnership is Clinton, we will meet with Kate Neese 3/8.
    - Official recommendation from DPA is that Ionia has their own Materials Management Plan.
- EGLE Infrastructure Grant planning and writing is underway, will include extra funding from Recycling Partnership. Ideally this will cover installation of the compactor sites.
- Communications campaign underway via free technical assistance from state funded consultants (LionBear Ventures) to bring awareness to the host communities and affected townships.
- Continuing conversations with Saranac, Muir, Lake Odessa, and Belding for placements.

Action Items:

- Approve creation of Materials Management Planning Committee (Board of Commissioners)
- Sign Notice of Intent to initiate planning process (Patrick Jordan with Melissa Eldridge)

Next Steps:

- Populate Materials Management Planning Committee (Recommendations from Ionia Conservation District, approval by BOC)
- Finalize host site placements (Ionia Conservation District)
- Continue working on EGLE Infrastructure grant (Ionia Conservation District)

Materials Management Planning Committee Recommendations:

1. CAA appoints Materials Management Planning Committee (MMPC)
    a. Ionia Conservation District will contact parties interested in serving on Materials Management Planning Committee (MMPC)
        i. Committee established for the duration of the planning process
        ii. Proposed MMP Planning Committee: *Committee must be appointed and approved by the CAA.*

(4) A planning committee shall consist of the following members:
(a) A representative of a solid waste disposal facility operator that provides service in the planning area.

(b) A representative of a hauler that provides service in the planning area.

(c) A representative of a materials recovery facility operator that provides service in the planning area.

(d) A representative of a composting facility or anaerobic digester operator that provides service in the planning area.

(e) A representative of a waste diversion, reuse, or reduction facility operator that provides service in the planning area.

(f) A representative of an environmental interest group that has members residing in the planning area.

(g) An elected official of the county.

(h) An elected official of a township in the planning area.

(i) An elected official of a city or village in the planning area.

(j) A representative of a business that generates a managed material in the planning area.

(k) A representative of the regional planning agency whose territory includes the planning area.

(l) Any additional members appointed under subsections (5) or (6) or section 11578(3), as applicable.
(5) The CAA may appoint to the planning committee as an additional regular member 1 representative that does business in or resides in an adjacent municipality outside the planning area.

2. Secondary committee, Municipal Materials Management Stakeholder Committee (M3SC) will be formed to plan and maintain recycling compactor sites and future materials management projects as they arise.
3. Will include representatives from Muir, Portland, Belding, Lake Odessa, Saranac, and the contracting hauler. City of Ionia opted to not participate in providing services to citizens outside of city limits.

IONIA COUNTY BOARD OF COMMISSIONERS
REQUEST FOR DISCUSSION/ACTION

Agreement for Sheriff's Office Services Between
The Village of Clarksville
And the County of Ionia
3/12/24

CONTACT:
Sheriff Charlie Noll

DESCRIPTION:
Renew agreement with the Village of Clarksville to provide contracted patrol within the Village; up to 12 hours per month starting April 1, 2024 through March 31, 2025.

OTHER DEPARTMENTS/AGENCIES AFFECTED:
Click here to enter text.

FINANCIAL ANALYSIS:
The Village of Clarksville will be billed $42.82 per hour for actual hours performed by the Sheriff's Office in the service of this agreement, up to 12 hours per month.

LEGAL REVIEW:
Click here to enter text.

DEADLINE:
03/12/24 Board meeting

SPECIFIC ACTION REQUESTED (PROPOSED BOARD MOTION):
Ionia County Board of Commissioners approve the agreement for Sheriff's Office Services between the Village of Clarksville and the County of Ionia.

ADMINISTRATOR'S RECOMMENDATION:
County Administrator recommends approval of this request.

AGREEMENT FOR SHERIFF'S OFFICE SERVICES BETWEEN THE VILLAGE OF CLARKSVILLE AND THE COUNTY OF IONIA

THIS AGREEMENT is made this **1st day of April 2024 to March 31, 2025,** between the **Village of Clarksville** (Village) and the **COUNTY OF IONIA** (County), with reference to the following facts and circumstances.

1. DUTIES OF THE COUNTY. The County, through the Sheriff's Office, shall provide the Village with the following:

A. A deputy with a fully equipped Sheriff's Office patrol vehicle will conduct policing activities within the village, which shall include, but not be limited to, vehicle patrol, foot patrol of downtown business area, and enforcement of ordinances of the Village of Clarksville and the laws of the State of Michigan, within the corporation limits of the village.

B. The total hours scheduled for the Village in the performance of this Agreement, commencing April 1, 2024, shall be up to 12 hours per month.

C. Deputies assigned to the Village in the performance of this Agreement shall remain in the village at all times (this includes lunch hours and breaks) with the exception of times when outside of the village working on a village generated incident including arrest transports. If the Deputy is removed from the village to respond to an emergency, the time outside the village would not be charged to the village.

D. The deputy position will at all times be staffed by the County and the Sheriff's Office with staff that are qualified and trained in accordance with all requirements of an MCOLES certified police officer.

2. DUTIES OF THE VILLAGE - The village/township agrees to the following:

A. The village will remit monthly payments for actual hours performed by the Sheriff's Office in the service of this Agreement, according to a monthly invoice submitted by the County in accordance with the hourly rates as follows:

April 1, 2024 through March 31, 2025	$42.82

Rates are calculated with a 2% increase each year. However, the actual rate increase each year will be based on actual costs, but will be no more than the 2% increase, whichever is lower.

IN WITNESS WHEREOF, the County of Ionia has caused this Agreement to be executed by the Chairperson and the Clerk of the Board of Commissioners and the Sheriff of Ionia County and the Village of Clarksville has caused this Agreement to be executed by its President and Clerk.

VILLAGE OF CLARKSVILLE

By: Amy Byers 3/6/2024
Amy Byers, President Date

By: Shari Clark 3/4/24
Shari Clark, Clerk Date

COUNTY OF IONIA

By: _____
David Hodges, Chairman Date
County Board of Commissioners

By: _____
Greg Geiger Date
County Clerk

By: _____
Charlie Noll, Sheriff Date