# 2016

# ANNUAL MEETING

# NORTHFIELD TOWNSHIP

**WASHTENAW COUNTY**
**BOARD OF COUNTY ROAD COMMISSIONERS**
**555 NORTH ZEEB ROAD**
**ANN ARBOR, MICHIGAN 48103**
**WWW.WCROADS.ORG**

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Dear Northfield Board of Trustees:

We would like to thank all the Townships for last year's support in assisting the Road Commission complete numerous successful road improvement projects. Without your assistance most of the local road improvements would not have been possible. We are also pleased to provide Northfield Township Officials with our 2016 Annual Local Road Program. In addition, we have included a few other updates on our activities and major project initiatives in your Township.

Our Annual Meeting Booklet includes cost summaries of 2015 expenditures in your township. Also, to assist townships in determining the level of local road improvements that you are willing to entertain, we have provided the following items.

1. 2016 Local Road Program and Matching Fund Allocations
2. A Summary of 2015 Maintenance and Project Activities
3. Proposed 2016 Local Road Projects and Dust Control Program
4. 2016 Road & Bridge Improvement Projects
5. PA 283 Projects for 2016
6. Michigan's New Road Funding Summary

Please note **May 20** is the commitment due date for this year's 2016 Local Road Program. Your timely response and participation is essential to successfully accomplish this year's program.

We annually look forward to this opportunity to discuss common issues with the Township Officials and your citizens as we seek solutions to the challenges that we face. If you have any immediate concerns related to the attached information, please feel free to contact me at 327-6662 or our Directions of Operations, Jim Harmon at 327-6653.

Very truly yours,

*Roy D. Townsend*

Roy D. Townsend, P.E
Managing Director

RDT:amw

**WASHTENAW COUNTY ROAD COMMISSION**
**2016 LOCAL MATCHING PROGRAM**

The Washtenaw County Road Commission is anticipating it will receive $17,900,000 in Michigan Transportation Fund (MTF) revenues for 2015. The Road Commission is anticipating the same amount of MTF revenues for 2016.

The Road Commission has recognized that local road funds are inadequate to maintain the 1,064 centerline miles of local roads in Washtenaw County; the Road Commission has historically transferred funds from the Primary Road Fund to the Local Road Fund, even though this transfer severely limits maintenance activity on our primary road system.

A summary of our 2016 budget as approved by the Board of Road Commissioners at its regular meeting on December 1, 2015 (RC15-469) is provided as follows.

2016 Road Commission Budget

Revenues

| | |
|---|---|
| Michigan Transportation Fund | $ 17,900,000 |
| Federal/ State Funds | $ 13,707,000 |
| Trunkline Maintenance | $ 2,378,000 |
| Township Contributions | $ 3,750,500 |
| Other Contributions | $ 5,216,000 |
| Miscellaneous Income | $ 1,640,000 |
| Total | $ 44,592,500 |

Expenditures

| | |
|---|---|
| Administration | $ 1,061,000 |
| Operations | $ 8,715,000 |
| Engineering | $ 2,771,000 |
| Non-Departmental | $ 7,217,000 |
| Debt Service | $ 1,306,000 |
| Road Improvement Program | $ 24,989,000 |
| Total | $ 46,058,000 |

Matching Funds

The Road Commission has allocated a total of $500,000 in 2016 for the conventional Local Road Matching Program. This consists of a countywide allocation of $423,077 for matching programs on local roads in all twenty townships based on the distribution formula used by the Michigan Department of Transportation to allocate local road funds to the 83 counties of Michigan. In addition to this, recognizing the fact that the urban local roads receive a higher allocation of Michigan Transportation Funds, $76,923 is allocated based on the amount of urban local miles within eligible townships. Ann Arbor, Augusta, Dexter, Lima, Lodi, Northfield, Pittsfield, Salem, Saline, Scio, Superior, Sylvan, Webster, York and Ypsilanti Townships are within the urban area and are eligible for these additional matching funds.

The Road Commission has allocated $200,000 for the 2016 Drainage Matching Program for local uncurbed, non-subdivision roads. The Road Commission has recognized the need for directing more resources towards improving the drainage along our local roads. The drainage matching program is in addition to the conventional local road matching program available to the Townships. Some of the key features of drainage matching program include:

- Funding distribution is based on the total uncurbed, non-subdivision local road centerline mileage for each township
- Eligible work activities are limited to uncurbed, non-subdivision local roads
- Eligible work activities include roadside berm removal, ditch establishment & restoration, large culvert or bridge replacement

| TOWNSHIP | 2015 CONVENTIONAL LOCAL ROAD MATCHING PROGRAM | 2016 CONVENTIONAL LOCAL ROAD MATCHING PROGRAM | 2015 DRAINAGE MATCHING PROGRAM | 2016 DRAINAGE MATCHING PROGRAM |
|---|---|---|---|---|
| Salem | $ 16,373 | $ 16,425 | $ 10,493 | $ 10,493 |
| Northfield | 24,916 | 25,002 | 13,732 | 13,732 |
| Webster | 17,714 | 17,770 | 11,792 | 11,792 |
| Dexter | 15,974 | 16,023 | 6,932 | 6,932 |
| Lyndon | 11,956 | 11,995 | 10,048 | 10,048 |
| Sylvan | 13,731 | 13,443 | 11,489 | 11,489 |
| Lima | 15,393 | 15,447 | 12,745 | 12,745 |
| Scio | 37,857 | 37,425 | 7,157 | 7,157 |
| Ann Arbor | 10,759 | 10,580 | 3,833 | 3,833 |
| Superior | 31,537 | 31,412 | 8,793 | 8,793 |
| Ypsilanti | 104,199 | 104,177 | 5,924 | 5,924 |
| Pittsfield | 68,504 | 68,741 | 4,669 | 4,669 |
| Lodi | 22,538 | 22,623 | 12,879 | 12,879 |
| Freedom | 13,526 | 13,575 | 13,684 | 13,684 |
| Sharon | 10,406 | 10,442 | 9,971 | 9,971 |
| Manchester | 14,268 | 14,316 | 13,176 | 13,176 |
| Bridgewater | 11,725 | 11,765 | 11,481 | 11,481 |
| Saline | 9,471 | 9,504 | 8,125 | 8,125 |
| York | 27,101 | 27,206 | 8,521 | 8,521 |
| Augusta | 22,054 | 22,127 | 14,554 | 14,554 |
| | $ 500,000 | $ 500,000 | $ 200,000 | $ 200,000 |

*Totals do not equal sum of individual allocations, because of rounding

The WCRC Matching Program is subject to the following conditions:

a) Township Assistance

In order to allow local road improvements to proceed in a timely manner, townships are asked to assist Road Commission personnel in acquiring necessary tree removal and grading permits, holding public hearings and coordinating any necessary citizen contacts.

b) (b) Project Overruns

Road Commission staff will provide an estimated cost for each individual project to be included within the agreement between the township and the Road Commission. If, prior to beginning an individual project, it is determined that the original cost estimate will not cover project costs, the Road Commission will notify the township to determine, if the township desires to proceed with the project with a reduced scope or an additional funding commitment. Budgets are closely monitored on each project and every effort is made to avoid overruns. Any unexpected project cost overrun shall be taken from any

unexpended funds remaining in that township's total township agreement. If the overrun exceeds the total township agreement, the Road Commission may bill the township up to an additional 10 percent of the total agreement amount with the township. At the township's option, such overruns can be taken from the following years matching funds.

c) Billing Procedures

As has been the practice for the past several years, the first 40 percent of the total Matching Program for construction and heavy maintenance projects will be due in June or 30 days from receipt of the first invoice. A second 40 percent will be due in August or 30 days from receipt of the second invoice. A final billing will be due in December or 30 days from receipt of final invoice. Any credits due townships will be returned at the time of final billing or credited to the following year, as determined by the township. The above billing methods apply only to those projects considered to be construction and heavy maintenance and does not apply to dust control which will be billed at cost to the date at time of billing.

d) Administrative Fee

In addition to direct costs, the Washtenaw County Road Commission will charge an 8% administrative fee on all township improvement projects on local roads. The overhead charge is intended to cover costs not directly attributable to the individual project. The administrative fee is not charged for seasonal dust control or work performed by non-road commission crews.

e) Primary Road Matching

Any township board may, at their option, request that a part or all of their allocated matching WCRC funds, along with an equal amount of township funds, be used on a Primary Road Project within their township boundaries.

f) Reallocation of Funds

Any township that has not notified the WCRC of their intent to utilize matching funds by May 20, 2016 will forfeit all rights to the use of the matching money. The WCRC will determine the amount of unused matching funds and reallocate these funds to primary road maintenance.

g) Local Road and Bridge Planning /Engineering Projects

The Road Commission provides planning and engineering services for local road and bridge projects. If the township requests the Road Commission to provide these services, the township is expected to enter into an agreement with the Road Commission to reimburse the Commission for 50% of the cost for these services. Depending on the scope of the project and the amount of matching funds available to a township, these services may be eligible for the matching program.

The Road Commission recognizes that local road bridges are vital assets that require significant resources to maintain and replace. This program fosters a cooperative approach with the Townships, as we partner to renovate or replace deficient bridges. The Road Commission will continue to provide routine maintenance service and the federally mandated biennial inspections at our expense. Also, we will continue to seek federal grant funding to assist with any major renovation or replacement costs. All costs beyond the grant amounts for major renovation or replacement costs on local bridge

projects will be shared equally with the townships. Available local matching funds can be utilized to cover 50% the townships share of a local road bridge project costs.

h) Shoulder Paving

If a local road is to be paved, the Road Commission will pay the cost of paving the shoulders when it is feasible. The Road Commission has agreed to assume this cost because of the enhanced safety for vehicles and non-motorized travel and reduced maintenance costs inherent in paved shoulders. This provision will not apply to subdivision streets.

i) Dust Control

Conventional matching funds can be used for dust control only for solid applications.

j) Local Matching Fund Carryover

If a township determines that they desire to carry over the funds allocated for a given year into the following year, the township must provide written notification to the Road Commission that they are requesting this carryover, and identify an eligible project for which the funds will be held. The Road Commission carry-over fund will be preserved for one year. Beyond this point the funds will be reallocated as stated in Paragraph f. The carryover option allows the township to accumulate the funds that are allocated with the previous year allocation; in other words, the carry over funds cannot exceed the previous year's allocation.

# NORTHFIELD TOWNSHIP 2015 ACTIVITIES

| LOCATION | PROJECT | WCRC COST | TOWNSHIP COST | TOTAL COST |
|---|---|---|---|---|
| **PRIMARY** | | | | |
| Maintenance | Roads | $ 144,121.86 | | $ 144,121.86 |
| Maintenance | Winter | 82,665.10 | | 82,665.10 |
| Maintenance | Traffic | 16,918.69 | | 16,918.69 |
| * N. Territorial Rd (btwn Spencer & Sutton) | HMA Resurfacing | 304,992.49 | | 304,992.49 |
| N. Territorial Rd (btwn Sutton & Earhart) | HMA Resurfacing | 253,603.71 | | 253,603.71 |
| | | $ 802,301.85 | | $ 802,301.85 |
| **LOCAL** | | | | |
| Maintenance | Roads | $ 218,375.42 | | $ 218,375.42 |
| Maintenance | Winter | 57,777.84 | | 57,777.84 |
| Maintenance | Traffic | 15,413.79 | | 15,413.79 |
| Local Road | Dust Control | 44,727.88 | 12,386.05 | 57,113.93 |
| Township-Wide Drainage | Drainage | 11,078.84 | 41,140.46 | 52,219.30 |
| Township-Wide Limestone | Limestone | 15,183.11 | 56,381.37 | 71,564.48 |
| | | $ 362,556.88 | $ 109,907.88 | $ 472,464.76 |

* PA 283 Project

# NORTHFIELD TOWNSHIP

## PROPOSED 2016 LOCAL ROAD PROJECTS

- JENNINGS ROAD, US-23 ON-RAMP TO E.O.P
  Work to include roadside berm removal, pulverizing the existing surface, the placement of a 3" HMA overlay, placement of limestone shoulders and associated project restoration.
  Estimated project cost: $ 133,500

- JENNINGS ROAD, E.O.P. TO KEARNEY ROAD
  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 6,100 tons) with associated dust control and project restoration.
  Estimated project cost: $ 232,400

- JENNINGS ROAD, KEARNEY ROAD TO TOWNSHIP LINE
  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 1,600 tons) with associated dust control and project restoration.
  Estimated project cost: $ 72,800

- SIX MILE ROAD, EARHART ROAD TO RUSHTON ROAD
  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 6" (C.I.P.) 23a limestone (approximately 2,200 tons) with associated dust control and project restoration.
  Estimated project cost: $ 81,900

- DIXBORO ROAD, FIVE MILE ROAD TO SIX MILE ROAD
  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 6" (C.I.P.) 23a limestone (approximately 3,650 tons) with associated dust control and project restoration. This is a proposed township share project with Salem Township.
  Estimated project cost: $ 107,400
  Estimated cost to Northfield Township: $ 53,700

- NOLLAR ROAD, N. TERRITORIAL ROAD, SOUTH .28 MILE
  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 6" (C.I.P.) 23a limestone (approximately 1,100 tons) with associated dust control and project restoration.
  Estimated project cost: $ 60,700

- NOLLAR ROAD, NORTHFIELD CHURCH ROAD, NORTH 1 MILE
  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 6" (C.I.P.) 23a limestone (approximately 3,850 tons) with associated dust control and project restoration.
  Estimated project cost: $ 148,200

- NOLLAR ROAD, NORTHFIELD CHURCH ROAD TO JOY ROAD

  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 5,330 tons) with associated dust control and project restoration.

  Estimated project cost: $ 146,200

- JOY ROAD, HELLNER ROAD TO MAPLE ROAD

  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 2,550 tons) with associated dust control and project restoration. This is a proposed township share project with Ann Arbor Township.

  Estimated project cost: $ 119,500
  Estimated cost to Northfield Township: $ 59,750

- JOY ROAD, WHITMORE LAKE ROAD TO HELLNER ROAD

  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 4,950 tons) with associated dust control and project restoration. This is a proposed township share project with Ann Arbor Township.

  Estimated project cost: $ 167,000
  Estimated cost to Northfield Township: $ 83,500

- JOY ROAD, NOLLAR ROAD TO WHITMORE LAKE ROAD

  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 5,010 tons) with associated dust control and project restoration. This is a proposed township share project with Ann Arbor Township.

  Estimated project cost: $ 131,100
  Estimated cost to Northfield Township: $ 65,550

- JOY ROAD, PONTIAC TRAIL TO NOLLAR

  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 5,250 tons) with associated dust control and project restoration. This is a proposed township share project with Ann Arbor Township.

  Estimated project cost: $ 159,200
  Estimated cost to Northfield Township: $ 79,600

- JOY ROAD, EARHART ROAD TO PONTIAC TRAIL

  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 4" (C.I.P.) 23a limestone (approximately 2,600 tons) with associated dust control and project restoration. This is a proposed township share project with Ann Arbor Township.

  Estimated project cost: $ 90,400
  Estimated cost to Northfield Township: $ 45,200

- JOY ROAD, DIXBORO ROAD TO EARHART ROAD

  Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 4" (C.I.P.) 23a limestone (approximately 2,850 tons) with associated dust control and project restoration. This is a proposed township share project with Ann Arbor Township.

  | | |
  |---|---|
  | Estimated project cost: | $ 118,700 |
  | Estimated cost to Northfield Township: | $ 59,350 |

- TOWNSHIP WIDE LIMESTONE

  Work to include the application of a 23a limestone surface with associated dust control on various local roads within the township. Locations to be determined by the Township Supervisor (or his designee) and District Foreman. Estimated cost of $17.37 per ton includes all labor, equipment and material costs.

- TOWNSHIP WIDE DITCHING

  Work to include ditching on various local roads within the township. Locations to be determined by the Township Supervisor (or his designee) and District Foreman.

  The township can establish a "not to exceed" cost

## WASHTENAW COUNTY ROAD COMMISSION

## 2016 DUST CONTROL

| MATERIAL | COST/GALLON APPLIED |
|---|---|
| Contract Brine | $0.1575 |

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## NORTHFIELD TOWNSHIP OPTIONS

49.61 miles certified local gravel roads

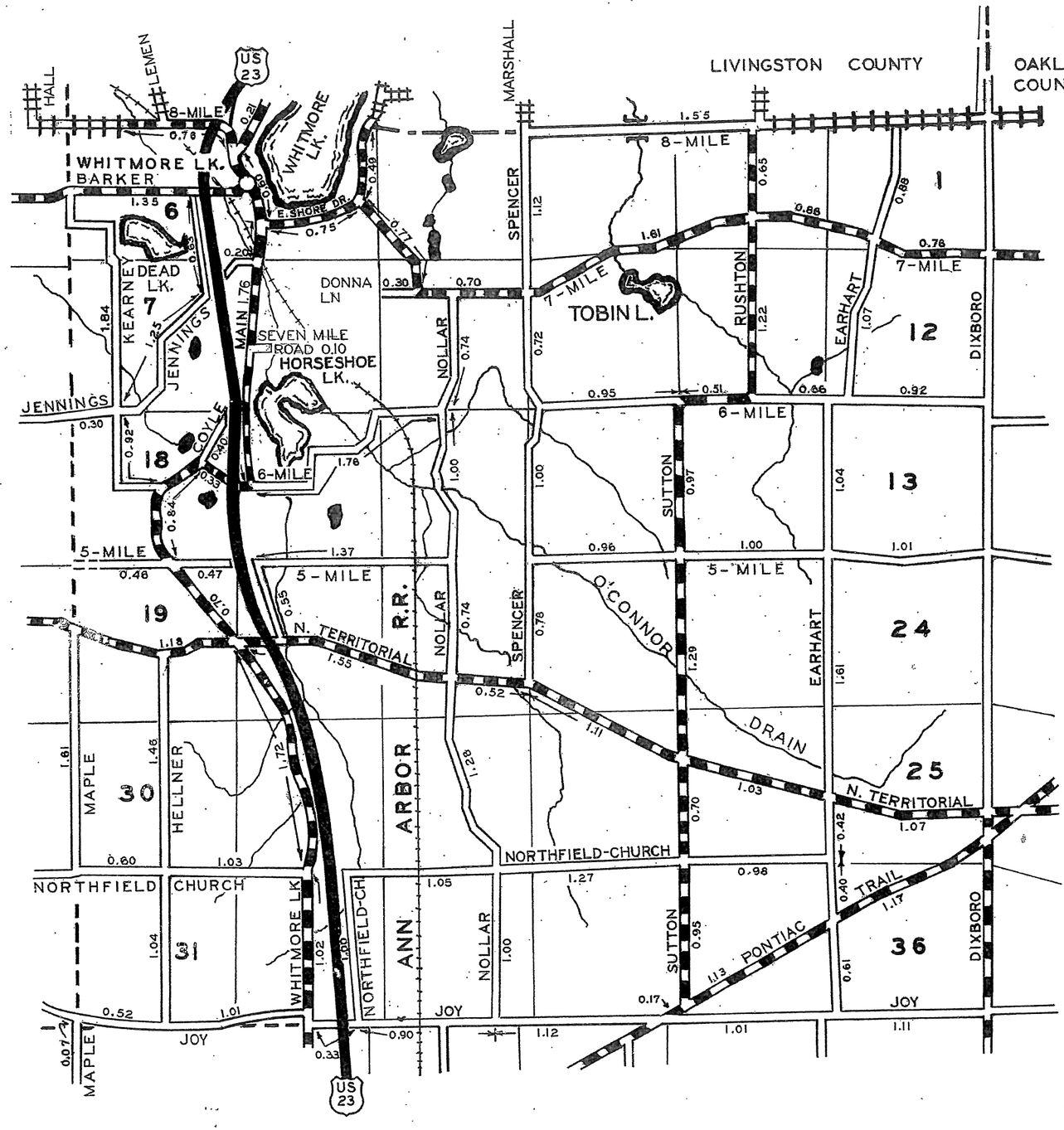
Contract Brine

(Recommended application rate – 2,000 gallons per mile)

| | |
|---|---|
| Two Solid Applications | 198,440 gallons = $ 31,254.30 |

For Information Only

2015 Use: 189,100 gallons Contract Brine
(2 solid applications)




LEGEND

COUNTY LINE

CORPORATE LIMITS

STATE TRUNKLINE

COUNTY PRIMARY

COUNTY LOCAL

AJACENT COUNTY

CITY OR VILLAGE STREET

PRIMARY ROAD SYSTEM IS 30.45 MILES

LOCAL ROAD SYSTEM IS 48.12 MILES

I HEREBY CERTIFY THAT THE ROADS SHOWN HEREON BY SYMBOL OR IN RED AS PRIMARY ROADS AND THOSE SHOWN HEREON BY SYMBOL OR IN GREEN AS LOCAL ROADS ARE IN USE AND ARE UNDER THE JURISDICTION OF THE COUNTY ROAD COMMISSION.

CHAIRMAN DATE

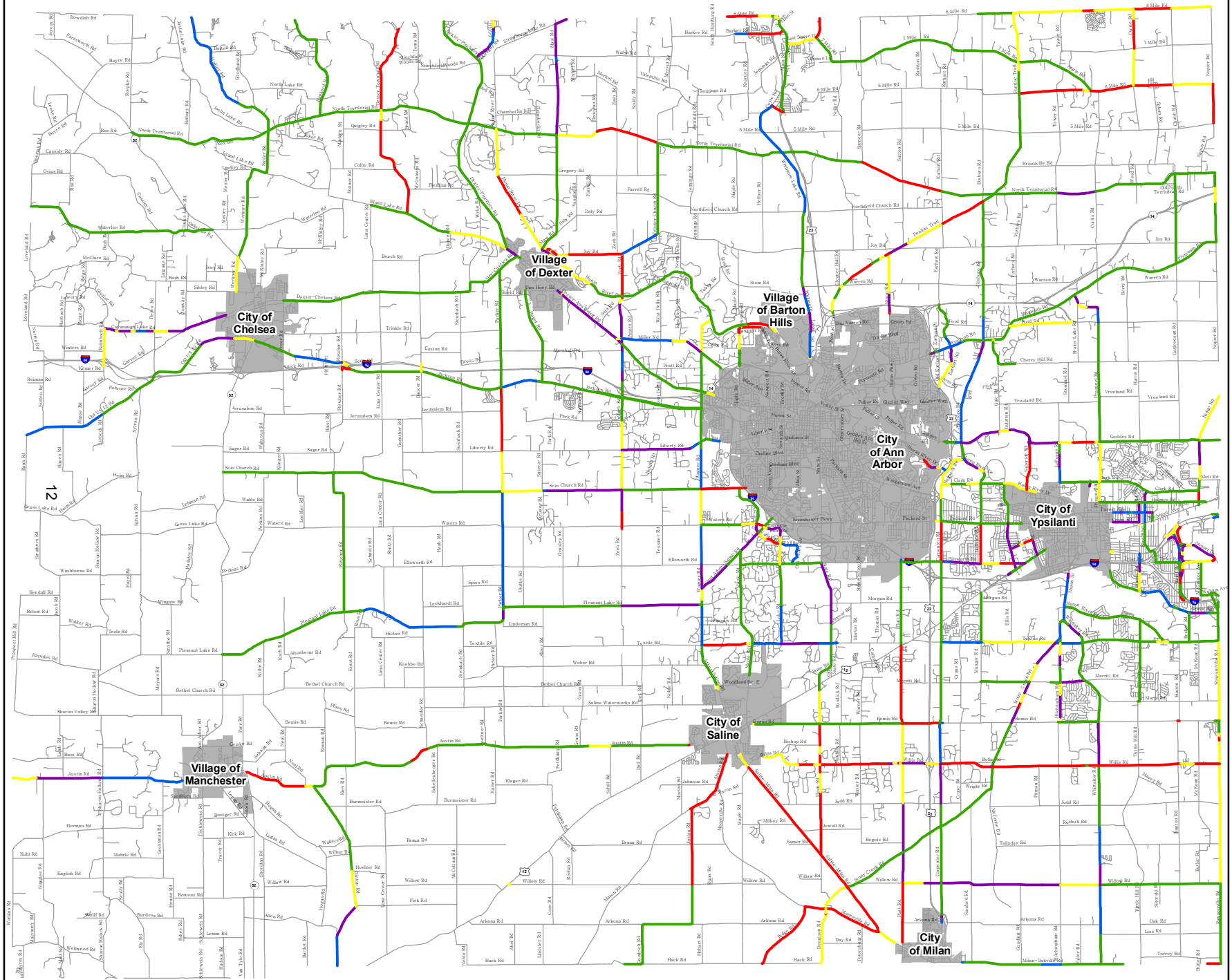
# NORTHFIELD TWP.

N W E S

SCALE 0 ½ 1 MILE

One Inch Equals 3000 Ft.

Prepared by




# Federal Aid Eligible Paved Roads

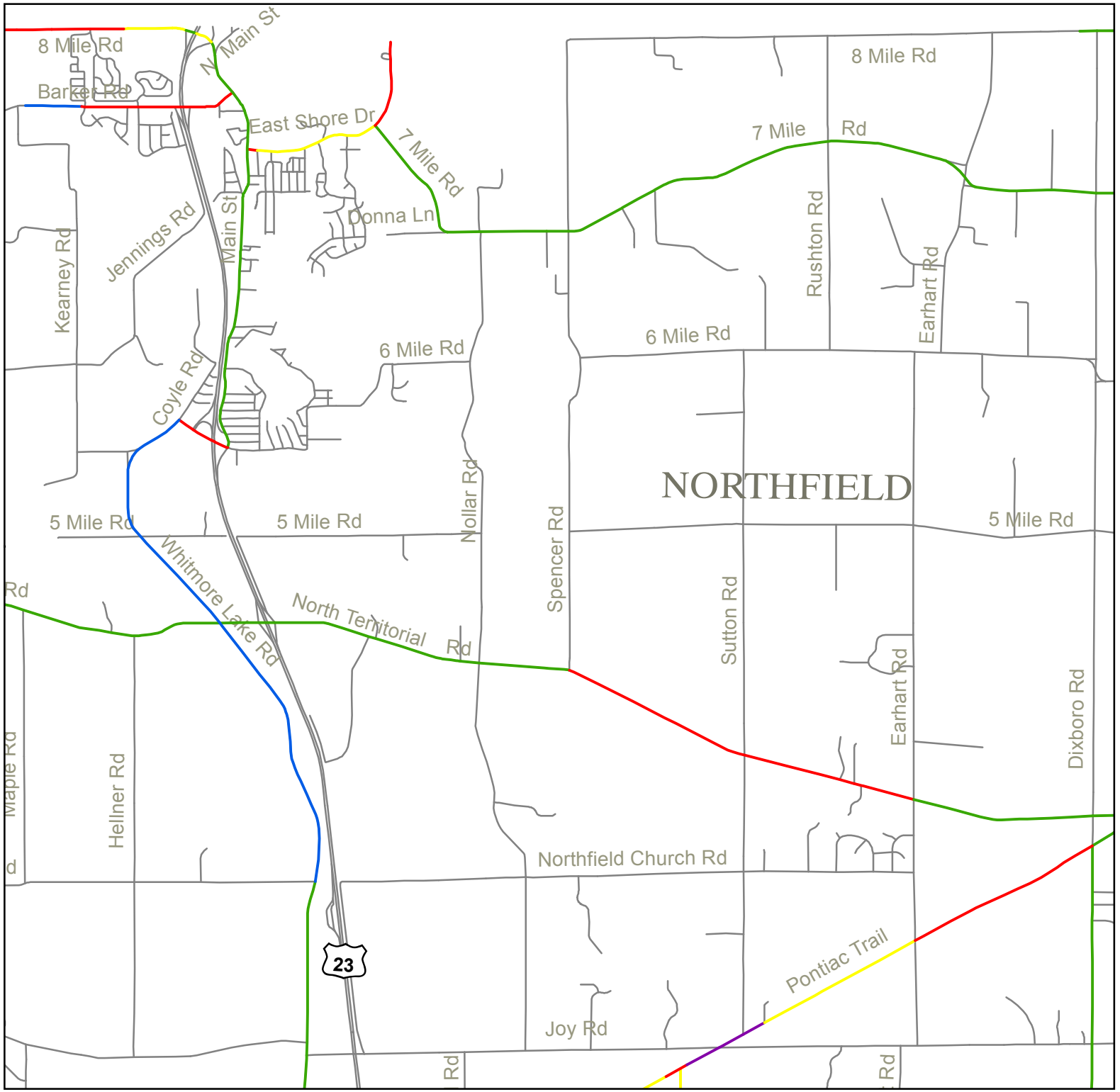
## 2014 Pavement Surface Evaluations and Ratings (PASER)

- 10 - New construction
- 9 - Like new condition, recent overlay, no defects.
- 8 - Occasional transverse crack, all cracks tight.
- 7 - First signs of aging. Transverse cracks 10'-40' apart. No raveling or rutting. Few, if any patches.
- 6 - Shows signs of aging, sound structural condition. First signs of block cracking. Slight raveling, polishing, flushing. No rutting.
- 5 - Surface aging, sound structural condition. Cracks open >1/2". First signs of cracking at edges. Some patching and wedging. Moderate/severe raveling.
- 4 - Significant agingand first signs of need for strengthening. Longitudinal cracking in wheelpath. Rutting 1/2" - 1" deep. Patching in fair condition.
- 3 - <25% alligator cracking. Moderate rutting 1"-2" deep. Severe block cracking. Occassional pothole. Cracks showing erosion.
- 2 - Severe deterioration. >25% alligator cracking. Severe rutting >2". Closely spaced cracks with erosion. Potholes frequent.
- 1 - Loss of surface integrity. Extensive surface distress.

0 1 2 Miles

N

Date: March 01, 2016




Washtenaw County Road Commission

**Federal Aid Eligible Paved Roads**

**2014 Pavement Surface Evaluations and Ratings (PASER)**

- Crack Seal - Rating 6-10
- Sealcoat - Rating 5
- Overlay - Rating 4
- Mill/Overlay - Rating 3
- Reconstruct - Rating 1-2

# Northfield Township

0 0.5 1 Miles

N

Date: 03/01/2016

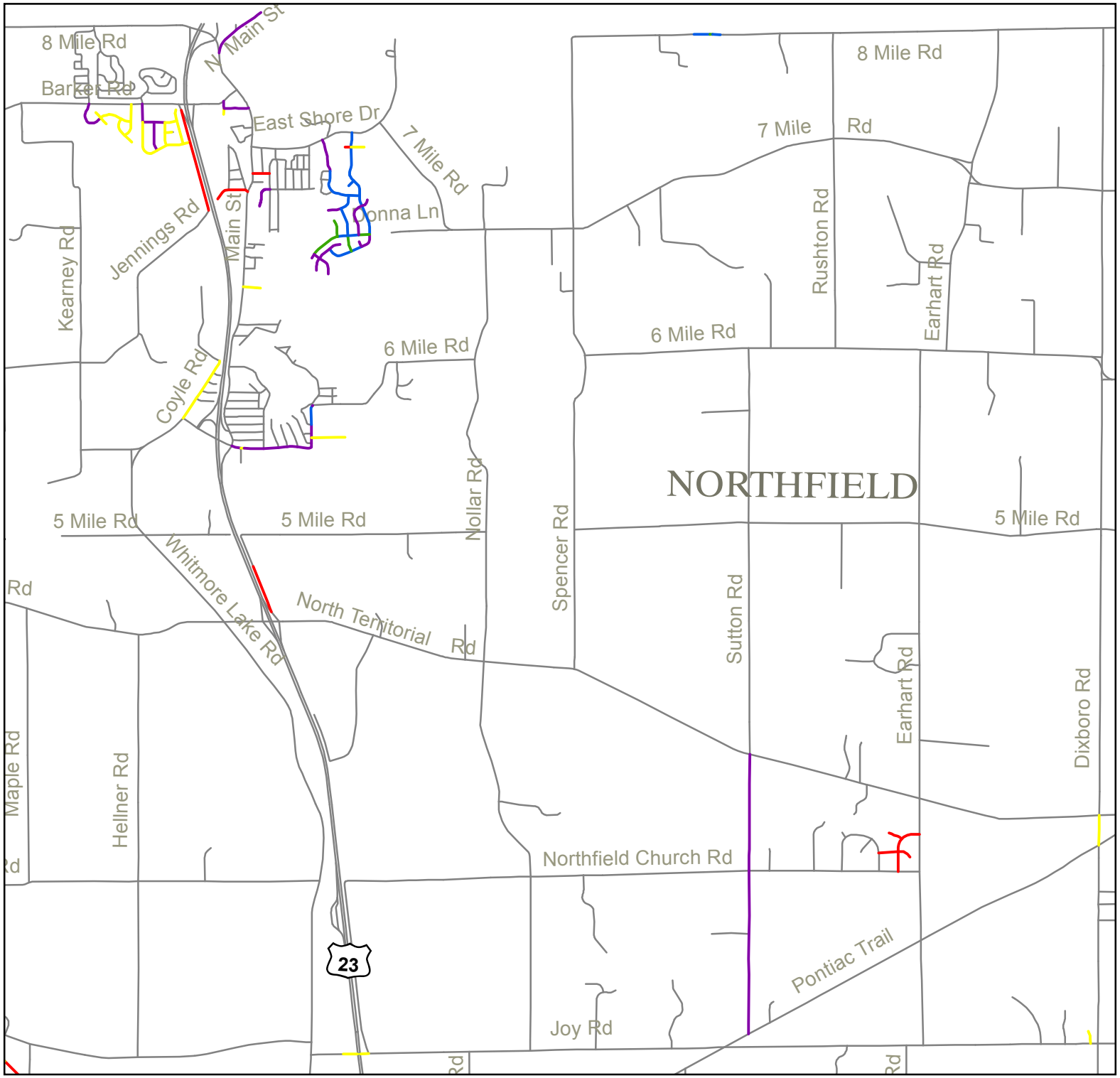
Note: 2014 PASER Ratings

# 2015 PASER Ratings Paved Local Roads & Non-Federal Aid Roads

**2015 Pavement Surface Evaluations and Ratings (PASER)**

| | | |
|---|---|---|
| Crack Seal - Rating 6-10 | 0.42 miles |
| Sealcoat - Rating 5 | 1.66 miles |
| Overlay - Rating 4 | 4.38 miles |
| Mill/Overlay - Rating 3 | 2.43 miles |
| Reconstruct - Rating 1-2 | 4.26 miles |

## Northfield Township




0 0.5 1 Miles

N

Date: 03/01/2016

Note: 2015 PASER Ratings

## Planned Capital Investments - Michigan Transportation Fund Obligations

| Project Name | Planning Area | Project Limits | Project Type | Year | Total MTF Cost (1,000's) | Total Project Cost (1,000's) |
|---|---|---|---|---|---|---|
| Asset Mgmt/GIS | WCRC | Countywide | GIS/Mapping | 2016-2020 | $50 | $50 |
| Diesel Retrofit | WCRC | Countywide | Equipment | 2016 | $600 | $1,000 |
| Equipment/Fleet | WCRC | Countywide | Equipment | 2016-2020 | $1,625 | $1,625 |
| Facility and Grounds | WCRC Property | Countywide | Facility & Grounds | 2016-2020 | $375 | $375 |
| Northeast Service Center | WCRC Property | Northeast Service Center | Site Civil Design | 2016 | $100 | $100 |
| Overlay Program | Countywide | Countywide | Resurface | 2016-2020 | $0 | $0 |
| Primary Limestone/Gravel | Countywide | Countywide | Resurface | 2016-2020 | $500 | $500 |
| Sealcoat Program | Countywide | Countywide | Resurface | 2016-2020 | $1,500 | $1,500 |
| Traffic Calming Program | Countywide | Countywide | Safety | 2016-2020 | $0 | $500 |
| | | | | | | |
| Local Bridge Program | Countywide | Countywide | Bridge | 2016-2020 | $500 | $1,250 |
| Primary Bridge Program | Countywide | Countywide | Bridge | 2016-2020 | $1,600 | $1,600 |
| Jerusalem Road Bridge | Lima | Over Mill Creek | Bridge - Preserve Deck | 2016 | $31 | $174 |
| Maple Road Bridge | Saline/York | Over Saline River | Bridge - Preserve Deck | 2016 | $25 | $144 |
| McGregor Road Bridge | Dexter | Over Portage Lake Outlet | Bridge - Replace | 2016 | $359 | $2,060 |
| Mooreville Road Bridge | York | Over Saline River | Bridge - Preserve Deck | 2016 | $33 | $190 |
| Wiard Road Bridge | Ypsilanti | Over Tyler Road | Bridge Removal | 2016 | $263 | $1,512 |
| Huron River Drive Bridge | Ann Arbor | Over Pittsfield-Ann Arbor Drain | Bridge - Preserve Deck | 2017 | $60 | $250 |
| Ridge Road Bridge | York | Over Macon Creek | Bridge - Replace | 2017 | $252 | $1,050 |
| Shield Road Bridge | Scio | Over Mill Creek | Bridge - Replace | 2017 | $466 | $1,938 |
| Superior Road Bridge | Superior | Over Huron River | Bridge - Preserve Deck | 2017 | $127 | $531 |
| | | | | | | |
| Limestone Program - PA 283 | Countywide | Countywide | Resurface | 2016 | $0 | $0 |
| HMA Resurfacing Program - PA 283 | Countywide | Countywide | Resurface | 2016 | $0 | $2,950 |
| Sealcoat Program - PA 283 | Countywide | Countywide | Resurface | 2016 | $0 | $1,300 |
| Pavement Preservation STL | Countywide | Countywide | Resurface | 2016-2020 | $346 | $1,727 |
| Pavement Preservation STU | Countywide | Countywide | Resurface | 2016-2020 | $612 | $3,062 |
| Pavement Preservation TEDF-D | Countywide | Countywide | Resurface | 2016-2020 | $165 | $833 |
| Resurfacing 3R STL | Countywide | Countywide | Resurface | 2016-2020 | $313 | $1,565 |
| Resurfacing 3R STU | Countywide | Countywide | Resurface | 2016-2020 | $787 | $3,939 |
| Resurfacing 3R TEDF-D | Countywide | Countywide | Resurface | 2016-2020 | $224 | $1,115 |
| | | | | | | |
| Ann Arbor-Saline Road | Lodi | At Textile Road | Safety - Intersection | 2016 | $125 | $625 |
| Guardrail Upgrades | Countywide | Countywide | Safety - Roadside | 2016 | $95 | $264 |
| Huron Road/Whittaker Road | Ypsilanti | Stony Creek Road to I-94 | Resurface | 2016 | $125 | $625 |
| Liberty Road | Scio | Park Road to Stag's Leap Lane | Drainage, Limestone | 2016 | $0 | $600 |
| Plymouth Road | Ann Arbor/Superior | Earhart Road to Ford Road | Traffic Signal Interconnect | 2016 | $25 | $300 |
| Prospect Road | Superior/Ypsilanti | Holmes Road to Geddes Road | Resurface | 2016 | $50 | $250 |
| Rawsonville Road | Augusta | Willow Road to Talladay Road | Resurface | 2016 | $0 | $625 |
| Scio Township SAD | Scio | Various Roads in Scio Township | Resurface | 2016 | $0 | $600 |
| Textile Road | Lodi | Ann Arbor-Saline Road to Maple Rd | Resurface | 2016 | $100 | $500 |
| Traffic Signal Backplate Installation | Countywide | Countywide | Safety - Intersection | 2016 | $67 | $278 |
| Whittaker Road | Ypsilanti | At Merritt Road | Safety - Roundabout | 2016 | $232 | $982 |
| Willis Road | Augusta | Hitchingham Road to Whittaker Road | Safety | 2016 | $264 | $1,244 |
| Carpenter Road | York/Pittsfield | Judd Road to Textile Road | Resurface | 2017 | $125 | $625 |
| Harris Road | Ypsilanti | Michigan Avenue to Holmes Road | Reconstruct | 2017 | $513 | $1,925 |
| Rawsonville Road | Augusta | Talladay Road to Judd Road | Resurface | 2017 | $0 | $400 |
| Scio Church Road | Scio/Lodi | At Wagner Road | Congestion - Roundabout | 2017 | $397 | $960 |
| STL | TBD | TBD | TBD | 2018 | $0 | $0 |
| STU | TBD | TBD | TBD | 2018 | $125 | $625 |
| TEDF-D | TBD | TBD | TBD | 2018 | $0 | $0 |
| STL | TBD | TBD | TBD | 2019 | $0 | $0 |
| STU | TBD | TBD | TBD | 2019 | $250 | $1,250 |
| TEDF-D | TBD | TBD | TBD | 2019 | $0 | $0 |
| STL | TBD | TBD | TBD | 2020 | $0 | $0 |
| STU | TBD | TBD | TBD | 2020 | $250 | $1,250 |
| TEDF-D | TBD | TBD | TBD | 2020 | $0 | $0 |
| | | | | | | |
| | | | | **Totals** | **$13,656** | **$46,768** |

LYNDON TWP
DEXTER TWP
WEBSTER TWP
NORTHFIELD TWP
SALEM TWP
City of Dexter
Village of Barton Hills
ANN ARBOR TWP
City of Chelsea
SUPERIOR TWP
SYLVAN TWP
LIMA TWP
SCIO TWP
City of Ann Arbor
City of Ypsilanti
LODI TWP
FREEDOM TWP
PITTSFIELD TWP
YPSILANTI TWP
SHARON TWP
City of Saline
Village of Manchester
SALINE TWP
YORK TWP
AUGUSTA TWP
BRIDGEWATER TWP
MANCHESTER TWP
City of Milan

# Washtenaw County Projects 2015 - 2016

## Projects

**Road Commission & Federal Funds**

- 2015
- 2016

**PA283**

- 2015
- 2016

0 1 2 4 Miles

Printed: March 3, 2016

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# 2016-04 Washtenaw County Act PA 283

| Road | WCC Dist | Note | Project Limits | Type of Work | Length | Est. Cost | Est. Cost-0.5 |
|---|---|---|---|---|---|---|---|
| Parker Road | 1 | | Jerusalem to Liberty | Pulverize and Overlay | 1.0 | $ 300,000 | |
| Werkner, Isl Lk, Stofer | 1 | | M-52 to North Territorial | Chipseal | 3.5 | $ 90,000 | |
| North Territorial Road | 1 | | Dexter-Pinckney to Huron River Drive | Chipseal | 1.0 | $ 25,000 | |
| Zeeb Road | 1 | | Huron River Drive to Joy | Mill and Overlay | 1.1 | $ 180,000 | |
| Zeeb Road | 1 | | Pratt to Huron River Drive | Chipseal | 2.0 | $ 50,000 | |
| Scio Church Road | 1 | A-2 | Parker to 0.7-mile west of Steinbach | Chipseal | 1.7 | $ 20,000 | |
| Scio Church Road | 1 | | M-52 to 0.7-mile west of Steinbach | Chipseal | 5.5 | $ 120,000 | |
| Dexter Ann Arbor | 1 | | Zeeb to M 14 | Chipseal & Fog Seal | 2.8 | $ 90,000 | |
| Wagner | 1 | | Miller to Huron River Drive | Wedge & Chipseal | 1.00 | $ 40,000 | $ 915,000.00 |
| | | | | | 19.55 | | |
| Pontiac Trail | 2 | | Warren to Nixon | Spot Mill & Fill w/ Chipseal | 1.5 | $ 130,000 | |
| North Territorial Road | 2 | | Tower to Napier | Chipseal | 4.5 | $ 110,000 | |
| North Territorial Road | 2 | | Huron River Drive to Donovan | Chipseal | 2.5 | $ 70,000 | |
| Pontiac Trail | 2 | | Sutton to Dixboro | Wedge & Chipseal | 2.8 | $ 112,000 | |
| Prospect Road | 2 | | M-153 to Geddes | Chipseal | 3.0 | $ 75,000 | |
| Prospect Road | 2 | | Geddes to Clark | Mill & Overlay | 1.0 | $ 150,000 | |
| Dixboro Road | 2 | | Geddes to Warren | Chipseal | 4.0 | $ 100,000 | |
| Six Mile | 2 | | Currie to Chubb | Pulverize and Overlay | 1.00 | $ 300,000 | $ 1,047,000.00 |
| | | | | | 20.30 | | |
| Austin Road | 3 | | M-52 to Clinton | Mill & Overlay | 1.7 | $ 270,000 | |
| Willow Road | 3 | | Platt to 1/2 mile east of Sanford | Chipseal | 2.0 | $ 50,000 | |
| Scio Church Road | 3 | A-2 | Parker to 0.7-mile west of Steinbach | Chipseal | 0.0 | $ 20,000 | |
| Saline-Milan Road | 3 | | Stony Creek to Moon | Mill & Overlay | 1.0 | $ 150,000 | |
| Willis Road | 3 | | Moon to Warner | Pulverize and Overlay | 1.0 | $ 300,000 | |
| | | | | | | | $ 790,000.00 |
| | | | | | 5.70 | | |
| Waters Road | 4 | | Oak Valley to Ann Arbor-Saline | Mill & Overlay | 0.5 | $ 150,000 | |
| Platt Road | 4 | | Ellsworth to US 12 | Chipseal | 2.0 | $ 75,000 | |
| Moon Road | 4 | | US-12 to Bemis | Pulverize & Overlay | 1.0 | $ 300,000 | |
| Lohr Road | 4 | | Ellsworth to Textile | Chipseal | 2.0 | $ 50,000 | |
| Lohr Road | 4 | | Ellsworth to Ann Arbor-Saline | Mill & Overlay | 1.3 | $ 330,000 | |
| | | | | | | | $ 905,000.00 |
| | | | | | 6.80 | | |
| Textile Road | 5 & 6 | | Stony Creek to Munger | Mill & Overlay | 1.90 | $ 270,000 | |
| Willis Road | 5 & 6 | | Stony Creek to Pitman | Pulverize and Overlay | 1.20 | $ 360,000 | |
| Grove Road | 5 & 6 | | Bridge to Rawsonville | Mill & Overlay | 0.75 | $ 200,000 | |
| | | | | | | | $ 830,000.00 |
| | | | | | 3.85 | | |
| **Totals** | | | | | 56.20 | | **$ 4,487,000** |

# Michigan's New Road Funding Package

## What does it mean for Washtenaw County?

On November 10th, 2015, Governor Rick Snyder signed a $1.2 billion road funding package that will increase the funding provided to the Washtenaw County Road Commission through the Michigan Transportation Fund (MTF). The MTF includes all state-collected road revenue generated from fuel taxes and vehicle registration fees. The MTF is the Road Commission's main source of funding and this is the first increase since 1997.

While additional funding is great news for Washtenaw County's failing road system, the package does not provide any additional road funding in 2016 and residents will not see increases in road improvements until 2017. Read on to learn how this road funding package works, what it will take to fix our road system, and what remains uncertain about the future of state road funding in Washtenaw County.

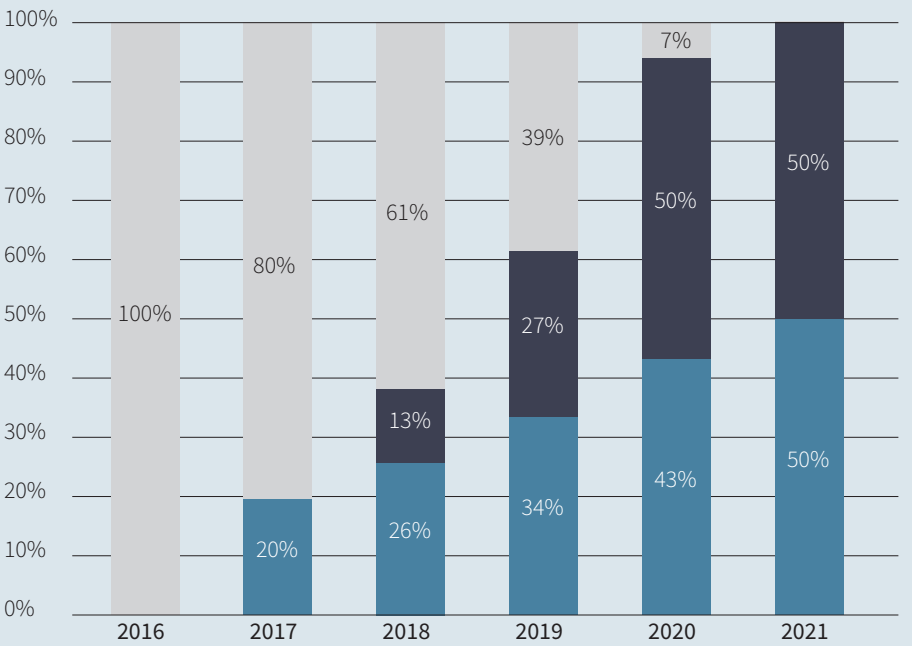
*6 Mile Road - 2015*

## What the road funding package will do

| | | |
|---|---|---|
| **Provides an additional $1.2B in MTF funding state-wide** | ⇨ | **The package does not provide full funding until 2021; 6 years from now.** |
| **The new funding will begin in 2017** | ⇨ | **The package provides no funding for road improvements in 2016.** |
| **The 1st increase in the MTF since 1997** | ⇨ | **20 years have passed with no state funding increase and it will take time for WCRC to catch up and fix all the county's "poor" and "failing" roads.** |
| **50% of the funding will come from increases in fuel taxes & vehicle registration fees** | ⇨ | **Beginning in 2017: 20% increase in vehicle registration fees, 7.3¢ increase in the state's gasoline tax, 11.3¢ increase in state's diesel tax.** |
| **Beginning in 2018, shifts will be made in the State's General Funds to provide the other 50% of funding.** | ⇨ | **Lawmakers are relying on continued economic growth to bring in more revenue to the General Fund to fund roads.** |


# How will the new road funding phase in?

The new road funding deal will generate $1.2 billion by 2021. The first $600 million will come from vehicle registration and fuel tax increases that start in 2017. The additional $600 million will be shifted from the state's $9.9 billion general fund towards roads starting in 2018.




% of the State's $1.2B road package that remains unfunded

% of the $600M generated from vehicle registration and fuel tax increases

% of the $600M generated from the State's General Fund (Uncertain)

**Funding Uncertainty:**
The State Legislature did not identify where specifically the $600 million from the State's General Fund will come from.

Lawmakers are counting on continued economic growth to bring in more tax revenue that could be used for roads. If economic growth does not continue, future legislators may set budget priorities that may or may not fully fund the $600 million.

# How much additional funding will WCRC receive?

In 2014, the Washtenaw County Road Commission received $17.5 million from the Michigan Transportation Fund (MTF). Estimates predict that the Road Commission will receive an additional $4.3 million in 2017, $5.7 million in 2018, $7.4 million in 2019, $9.4 million in 2020, and $12.5 million in 2021 (if the $600M General Fund dollars are redirected as the law intends).

# Will it be enough to fix our failing road system?

Over the past decade, the cost to maintain and repair roads has steadily risen, but the Washtenaw County Road Commission's budget has not kept pace with the rate of inflation. Even if WCRC receives the estimated full amount of funding in 2021 there will be years of catch-up work to be done to fix the county's "poor" and "failing" roads. WCRC estimates that to get all of the county's roads into "good" condition would require over $50 million. While the new state funding increase will help, it will take five years to phase-in and roads will continue to deteriorate as we await the new funding.

In addition to fixing the county's worst roads, WCRC must also balance the need to preserve the investments that have already been made in the county's "good" roads to increase their lifespans and avoid costly reconstruction projects. WCRC must also factor in the annual cost of winter maintenance, the need for new equipment, and other agency operation costs when determining how to allocate the new road funding from the state.

## TOWNSHIP CONTRIBUTION SUMMARY 2011 - 2015

| TOWNSHIP | TOTAL 2011 | TOTAL 2012 | TOTAL 2013 | TOTAL 2014 | TOTAL 2015 | 5 Year Average |
|---|---|---|---|---|---|---|
| ANN ARBOR | $ 49,000 | $ 54,000 | $ 122,000 | $ 224,919 | $ 43,175 | $ 98,618.80 |
| AUGUSTA | $ 97,000 | $ 202,000 | $ 203,000 | $ 192,169 | $ 158,618 | $ 170,557.40 |
| BRIDGEWATER | $ 32,000 | $ 34,000 | $ - | $ 40,306 | $ 54,651 | $ 32,191.40 |
| DEXTER | $ 90,000 | $ 105,000 | $ 82,000 | $ 536,784 | $ 55,724 | $ 173,901.60 |
| FREEDOM | $ 42,000 | $ 45,000 | $ 57,000 | $ 31,716 | $ 51,334 | $ 45,410.00 |
| LIMA | $ 47,000 | $ 51,000 | $ 70,000 | $ 117,285 | $ 118,676 | $ 80,792.20 |
| LODI | $ 150,000 | $ 415,000 | $ 141,000 | $ 483,502 | $ 67,065 | $ 251,313.40 |
| LYNDON | $ 20,000 | $ 23,000 | $ 16,000 | $ 45,285 | $ 19,390 | $ 24,735.00 |
| MANCHESTER | $ 100,000 | $ 128,000 | $ 47,000 | $ 64,246 | $ 77,675 | $ 83,384.20 |
| NORTHFIELD | $ 42,000 | $ 62,000 | $ 84,000 | $ 93,195 | $ 109,907 | $ 78,220.40 |
| PITTSFIELD | $ 183,000 | $ 792,000 | $ 393,000 | $ 880,819 | $ 907,340 | $ 631,231.80 |
| SALEM | $ 173,000 | $ 296,000 | $ 1,042,000 | $ 459,327 | $ 425,626 | $ 479,190.60 |
| SALINE | $ 101,000 | $ 92,000 | $ 110,000 | $ 143,066 | $ 159,024 | $ 121,018.00 |
| SCIO | $ 471,000 | $ 1,245,000 | $ 833,000 | $ 1,108,452 | $ 1,269,480 | $ 985,386.40 |
| SHARON | $ 54,000 | $ 34,000 | $ 20,000 | $ 14,755 | $ 24,306 | $ 29,412.20 |
| SUPERIOR | $ 161,000 | $ 280,000 | $ 322,000 | $ 324,001 | $ 244,797 | $ 266,359.60 |
| SYLVAN | $ 17,000 | $ 10,000 | $ 8,000 | $ 26,852 | $ 73,968 | $ 27,164.00 |
| WEBSTER | $ 135,000 | $ 153,000 | $ 89,000 | $ 16,019 | $ 15,765 | $ 81,756.80 |
| YORK | $ 26,000 | $ 34,000 | $ 108,000 | $ 418,883 | $ 460,000 | $ 209,376.60 |
| YPSILANTI | $ 1,190,000 | $ 4,970,000 | $ 2,794,000 | $ 2,510,384 | $ 1,048,026 | $ 2,502,482.00 |
| | **$ 3,180,000** | **$ 9,025,000** | **$ 6,541,000** | **$ 7,731,965** | **$ 5,384,547** | **$ 6,372,502.40** |

**Five year avg. 2011 - 2015** **$ 6,372,502**

## 2016 Summary of Paved Local and Subdivision Roads Needs for each TOWNSHIP

2016

| TOWNSHIP | Crack Seal Road Miles | Crack Sealing at $8k/mi | Surface Treatment Road Miles | Surface Treatment at $32k/mi | Mill & Overlay Road Miles | Mill & Overlay at $190k/mi | Pulverization & Pave Road Miles | Pulverization & Pave at $ 320k/mi | Total Needs for Local & Subd Paved Roads | Average 10 year Expediture Needs for Paved Roads |
|---|---|---|---|---|---|---|---|---|---|---|
| ANN ARBOR | 0.4 | $ 3,200 | 0.5 | $ 16,000 | 2.0 | $ 380,000 | 2.1 | $ 672,000 | $ 1,071,200 | $ 107,120 |
| AUGUSTA | 1.6 | $ 12,800 | 2.8 | $ 89,600 | 0.1 | $ 19,000 | 2.0 | $ 640,000 | $ 761,400 | $ 76,140 |
| BRIDGEWATER | 0.0 | $ - | 0.0 | $ - | 0.0 | $ - | 0.5 | $ 160,000 | $ 160,000 | $ 16,000 |
| DEXTER | 0.0 | $ - | 2.2 | $ 70,400 | 5.4 | $ 1,026,000 | 3.0 | $ 960,000 | $ 2,056,400 | $ 205,640 |
| FREEDOM | 0.0 | $ - | 0.0 | $ - | 0.0 | $ - | 0.5 | $ 160,000 | $ 160,000 | $ 16,000 |
| LIMA | 0.0 | $ - | 1.0 | $ 32,000 | 2.2 | $ 418,000 | 0.8 | $ 256,000 | $ 706,000 | $ 70,600 |
| LODI | 0.2 | $ 1,600 | 0.0 | $ - | 4.2 | $ 798,000 | 6.7 | $ 2,144,000 | $ 2,943,600 | $ 294,360 |
| LYNDON | 0.0 | $ - | 0.0 | $ - | 0.2 | $ 38,000 | 0.0 | $ - | $ 38,000 | $ 3,800 |
| MANCHESTER | 0.0 | $ - | 0.0 | $ - | 0.6 | $ 114,000 | 0.0 | $ - | $ 114,000 | $ 11,400 |
| NORTHFIELD | 0.0 | $ - | 2.1 | $ 67,200 | 5.0 | $ 950,000 | 1.8 | $ 576,000 | $ 1,593,200 | $ 159,320 |
| PITTSFIELD | 8.4 | $ 67,200 | 29.5 | $ 944,000 | 27.6 | $ 5,244,000 | 5.9 | $ 1,888,000 | $ 8,143,200 | $ 814,320 |
| SALEM | 0.9 | $ 7,200 | 0.3 | $ 9,600 | 2.4 | $ 456,000 | 1.0 | $ 320,000 | $ 792,800 | $ 79,280 |
| SALINE | 0.0 | $ - | 0.0 | $ - | 0.6 | $ 114,000 | 0.7 | $ 224,000 | $ 338,000 | $ 33,800 |
| SCIO | 2.6 | $ 20,800 | 2.5 | $ 80,000 | 4.9 | $ 931,000 | 6.2 | $ 1,984,000 | $ 3,015,800 | $ 301,580 |
| SHARON | 0.0 | $ - | 0.0 | $ - | 0.0 | $ - | 0.0 | $ - | $ - | $ - |
| SUPERIOR | 4.3 | $ 34,400 | 4.8 | $ 153,600 | 9.9 | $ 1,881,000 | 7.2 | $ 2,304,000 | $ 4,373,000 | $ 437,300 |
| SYLVAN | 0.8 | $ 6,400 | 0.6 | $ 19,200 | 11.1 | $ 2,109,000 | 2.1 | $ 672,000 | $ 2,806,600 | $ 280,660 |
| WEBSTER | 0.2 | $ 1,600 | 0.0 | $ - | 0.8 | $ 152,000 | 0.4 | $ 128,000 | $ 281,600 | $ 28,160 |
| YORK | 2.3 | $ 18,400 | 7.5 | $ 240,000 | 7.8 | $ 1,482,000 | 5.5 | $ 1,760,000 | $ 3,500,400 | $ 350,040 |
| YPSILANTI | 13.3 | $ 106,400 | 59.3 | $ 1,897,600 | 29.2 | $ 5,548,000 | 6.3 | $ 2,016,000 | $ 9,568,000 | $ 956,800 |
| **TOTALS** | **35.0** | **$ 280,000** | **113.1** | **$ 3,619,200** | 114.0 | **$ 21,660,000** | 52.7 | **$ 16,864,000** | **$ 42,423,200** | **$ 4,242,320** |