

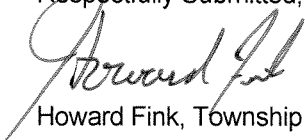
Memo

To: Northfield Township Board
From: Howard Fink
Date: 3/19/2015
Re: Annual Meeting with Washtenaw County Road Commission

Dear Township Board,

Its that time of year when we get to discuss the quality of our roads. On the agenda is the annual meeting with the Washtenaw County Road Commission. Mr. Wagner and I intend to drive the township and provide recommendations on projects. In the new budget year, we have \$120,000 budgeted for road improvements. These dollars are in addition to the Road Commissions matching funds. We don't have to spend it all, but there are plenty of needs. Mike Moran for Ann Arbor Township will be in the audience as he is encouraging us to engage in a joint project to address some of the issues on Joy Road. Prior to the workshop, I will be driving Joy Road with Mr. Moran and see if there is anything we can do. Obviously, we can not deal with the project costs that the Road Commission is proposing, but maybe there is some temporary / less expensive solution.

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Howard Fink", written in dark ink.

Howard Fink, Township Manager

2015
ANNUAL MEETING
NORTHFIELD TOWNSHIP



COMMISSIONERS
DOUGLAS E. FULLER
CHAIR
BARBARA RYAN FULLER
VICE-CHAIR
WILLIAM MCFARLANE
MEMBER

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

ROY D. TOWNSEND, P.E.
MANAGING DIRECTOR
SHERYL SOOERHOLM SIDDALL, P.E.
DIRECTOR OF ENGINEERING
COUNTY HIGHWAY ENGINEER
JAMES D. HARMON, P.E.
DIRECTOR OF OPERATIONS
TELEPHONE (734) 761-1500
FAX (734) 761-3737

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 2015 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 2014 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. 2015 Local Road Program and Matching Fund Allocations
2. A Summary of 2014 Maintenance and Project Activities
3. Proposed 2015 Local Road Projects and Dust Control Program
4. 2015 Road & Bridge Improvement Projects
5. PA 283 Projects for 2015
6. Governor Snyder's Road Funding Ballot Proposal

Please note **May 22** is the commitment due date for this year's 2015 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 Director 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
2015 LOCAL MATCHING PROGRAM

The Washtenaw County Road Commission is anticipating it will receive \$17,450,000 in Michigan Transportation Fund (MTF) revenues for 2014. The Road Commission is anticipating the same amount of MTF revenues for 2015.

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 2015 budget as approved by the Board of Road Commissioners at its regular meeting on December 2, 2014 (RC14-416) is provided as follows.

2015 Road Commission Budget

Revenues

Michigan Transportation Fund	\$ 17,450,000
Federal/ State Funds	\$ 8,846,000
Trunkline Maintenance	\$ 2,328,000
Township Contributions	\$ 4,318,000
Other Contributions	\$ 4,710,000
Miscellaneous Income	\$ 2,240,000
Total	\$ 39,892,000

Expenditures

Administration	\$ 935,000
Operations	\$ 8,519,000
Engineering	\$ 2,622,000
Non-Departmental	\$ 6,212,000
Debt Service	\$ 1,137,000
Road Improvement Program	\$ 21,816,000
Total	\$ 41,240,000

Matching Funds

The Road Commission has allocated a total of \$500,000 in 2015 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 2015 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	2014 CONVENTIONAL LOCAL ROAD MATCHING PROGRAM	2015 CONVENTIONAL LOCAL ROAD MATCHING PROGRAM	2014 DRAINAGE MATCHING PROGRAM	2015 DRAINAGE MATCHING PROGRAM
Salem	\$ 16,398	\$ 16,373	\$ 10,493	\$ 10,493
Northfield	24,697	24,916	13,732	13,732
Webster	17,940	17,714	11,792	11,792
Dexter	15,999	15,974	6,932	6,932
Lyndon	11,950	11,956	10,048	10,048
Sylvan	13,756	13,731	11,489	11,489
Lima	14,676	15,393	12,745	12,745
Scio	38,179	37,857	7,157	7,157
Ann Arbor	10,817	10,759	3,833	3,833
Superior	31,568	31,537	8,793	8,793
Ypsilanti	104,924	104,199	5,924	5,924
Pittsfield	68,644	68,504	4,669	4,669
Lodi	22,704	22,538	12,879	12,879
Freedom	13,519	13,526	13,684	13,684
Sharon	10,401	10,406	9,971	9,971
Manchester	14,261	14,268	13,176	13,176
Bridgewater	11,719	11,725	11,481	11,481
Saline	9,515	9,471	8,125	8,125
York	27,261	27,101	8,521	8,521
Augusta	21,071	22,054	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) 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 those projects considered routine maintenance such as dust control, street sweeping, etc. These 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 22, 2015 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 2014 ACTIVITIES

LOCATION	PROJECT	WCRC COST	TOWNSHIP COST	TOTAL COST
<u>PRIMARY</u>				
Maintenance	Roads	\$ 154,358.89		\$ 154,358.89
Maintenance	Winter	85,213.81		85,213.81
Maintenance	Traffic	39,243.55		39,243.55
Rushton Rd, Seven Mile to Eight Mile	Limestone	52,515.29		52,515.29
Seven Mile Rd, Spencer to E. Shore	Chipseal	27,854.47		27,854.47
N. Territorial Rd, Whit Lk to Web Ch	Chipseal	22,788.34		22,788.34
N. Territorial Rd, Dixboro to Earhart	Mill & Overlay	155,000.00		155,000.00
N. Territorial Rd, Nollar to US-23	Chipseal	24,134.93		24,134.93
Sutton Rd btwn Nthfld Church & Pont Trl	Crossroad Culvert	10,390.50		10,390.50
		<u>\$ 571,499.78</u>		<u>\$ 571,499.78</u>

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<u>LOCAL</u>				
Maintenance	Roads	\$ 276,664.21		\$ 276,664.21
Maintenance	Winter	70,619.19		70,619.19
Maintenance	Traffic	11,180.41		11,180.41
Local Road	Dust Control	38,347.20	11,737.02	50,084.22
Dixboro Rd, N. Territorial to Five Mile	Limestone	18,451.55	38,751.27	57,202.82
Township Wide Limestone	Limestone	8,240.41	17,306.21	25,546.62
Hellner Rd, 995' s/N. Territorial Rd	Crossroad Culvert	1,587.70		1,587.70
Five Mile Rd, 1,070' w/Earhart Rd	Crossroad Culvert	3,231.58		3,231.58
* Eight Mile Rd, Rushton to Spencer	Limestone	10,390.92	25,400.58	169,144.50
		<u>\$ 438,713.17</u>	<u>\$ 93,195.08</u>	<u>\$ 665,261.25</u>

* Green Oak Costs - 133,353.00

NORTHFIELD TOWNSHIP

PROPOSED 2015 LOCAL ROAD PROJECTS

- **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: \$ 118,000
Estimated cost to Northfield Township: \$ 59,000
- **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: \$ 92,100
Estimated cost to Northfield Township: \$ 46,050
- **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: \$ 178,400
Estimated cost to Northfield Township: \$ 89,200
- **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: \$ 152,600
Estimated cost to Northfield Township: \$ 76,300
- **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: \$ 201,500
Estimated cost to Northfield Township: \$ 100,750

- **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: \$ 126,100
 Estimated cost to Northfield Township: \$ 63,050

- **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: \$ 221,900

- **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: \$ 69,500

- **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. Final cost to be determined by competitive bid.
 Estimated project cost: \$ 139,800

- **NOLLAR ROAD, N. TERRITORIAL ROAD TO FIVE MILE ROAD**
 Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 3,950 tons) with associated dust control and project restoration.
 Estimated project cost: \$ 137,100

- **NOLLAR ROAD, N. TERRITORIAL ROAD TO NORTHFIELD CHURCH ROAD**
 Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 6,800 tons) with associated dust control and project restoration.
 Estimated project cost: \$ 228,100

- **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: \$ 141,800

- **EARHART ROAD, N. TERRITORIAL ROAD TO FIVE MILE ROAD**
 Work to include ditching, roadside berm removal, tree trimming, shaping the existing surface, the application of 8" (C.I.P.) 23a limestone (approximately 8,050 tons) with associated dust control and project restoration.
 Estimated project cost: \$ 177,200

WASHTENAW COUNTY ROAD COMMISSION
2015 DUST CONTROL MATERIAL OPTIONS

<u>MATERIAL</u>	<u>COST/GALLON APPLIED</u>
Contract Brine	\$0.1310
Calcium Chloride	\$0.58

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 = \$ 25,995.64
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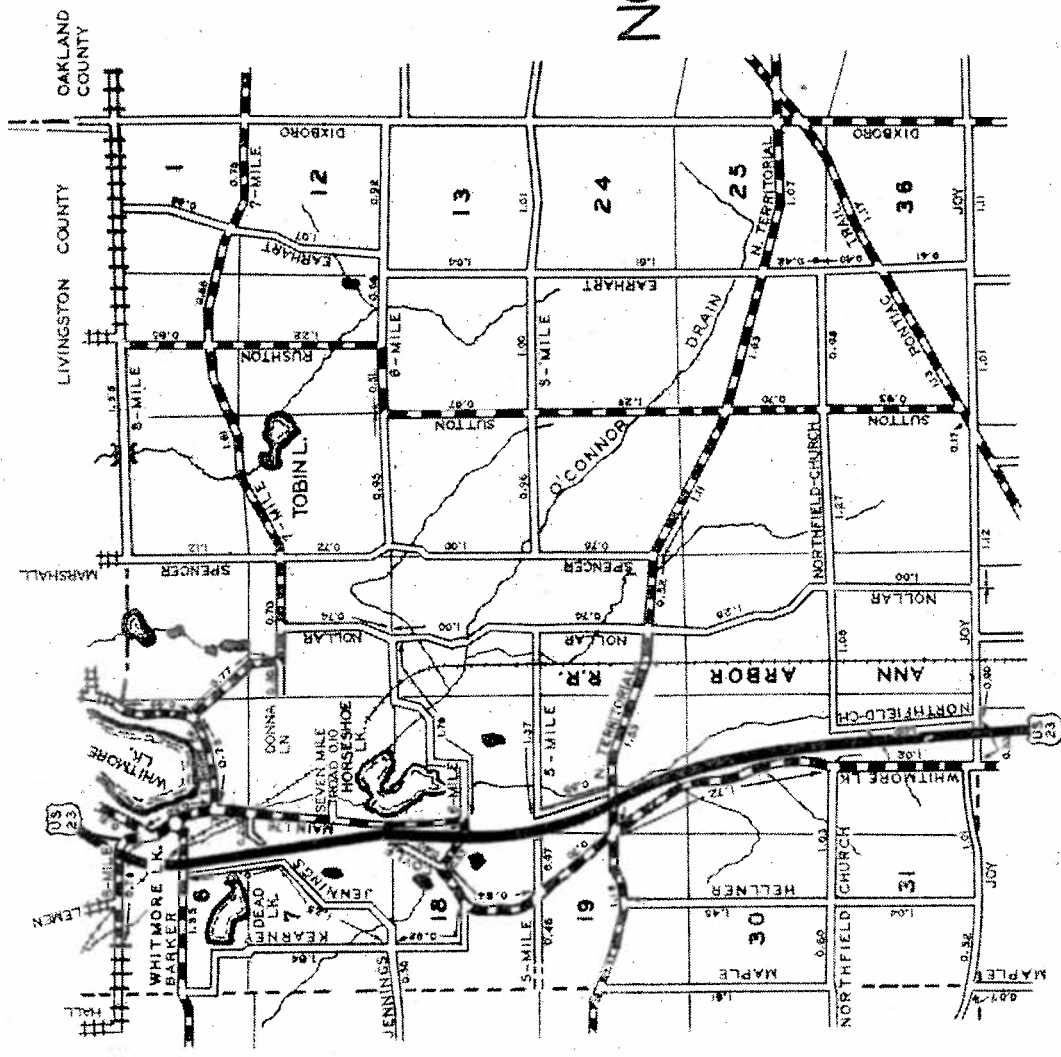
Calcium Chloride

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

Two Solid Applications	198,440 gallons = \$ 115,095.20
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For Information Only

2014 Use: 184,110 gallons Contract Brine
(2 solid applications)



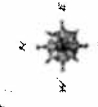
- LEGEND
- COUNTY LINE
 - CORPORATE LIMITS
 - STATE TRUNK LINE
 - COUNTY PRIMARY
 - COUNTY LOCAL
 - ADJACENT COUNTY
 - CITY OR VILLAGE STREET

PRIMARY ROAD SYSTEM IS 50.45 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.

DATE _____
 CHAIRMAN _____

NORTHFIELD TWP.



SCALE 0 1 MILE
 ONE INCH EQUALS 3000 FT.

Prepared by _____

Federal Aid
Eligible Paved Roads
Washtenaw County
Road Commission



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 aging and 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. Occasional 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.

Federal Aid Eligible Paved Roads

Washtenaw County Road Commission



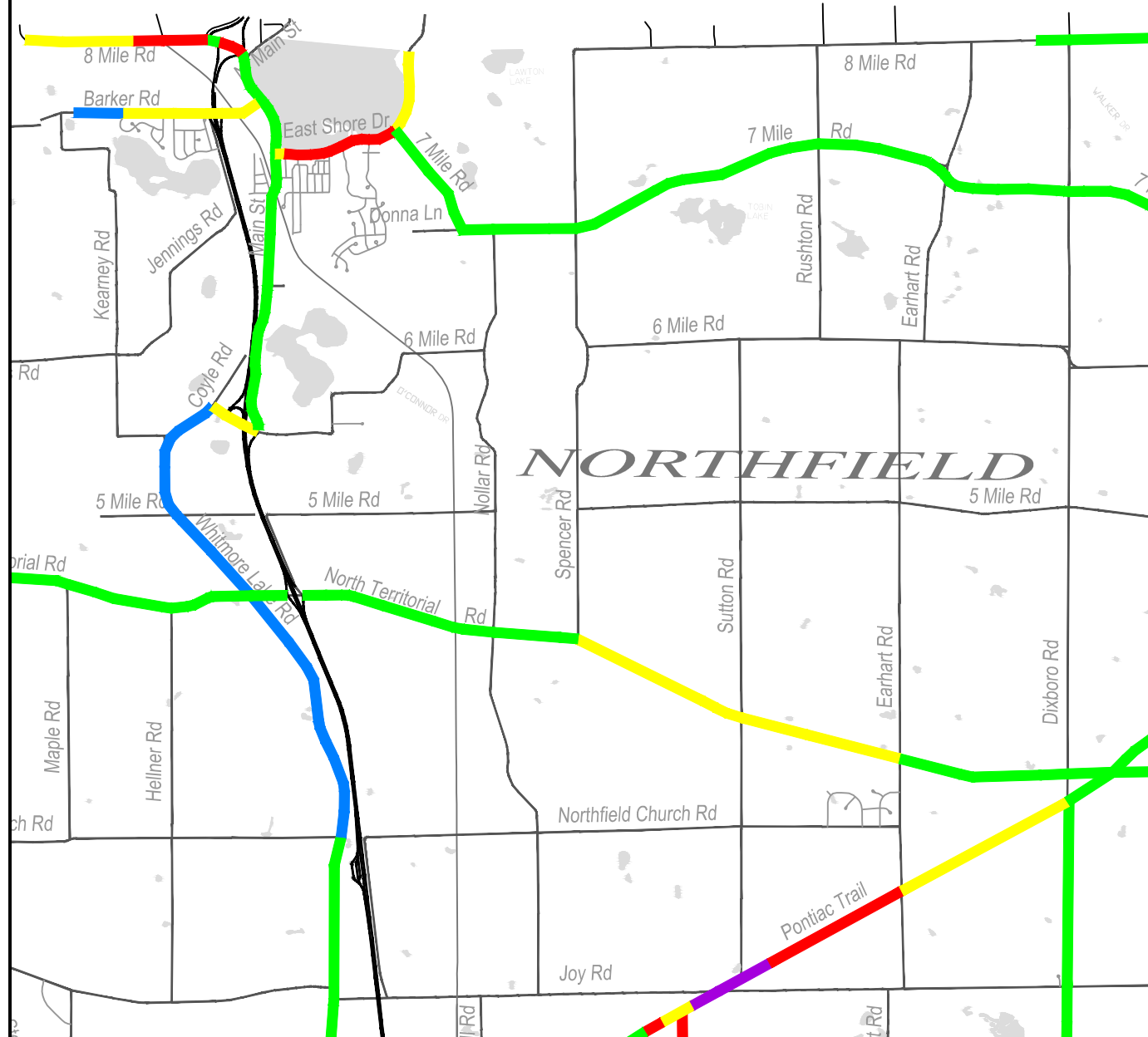
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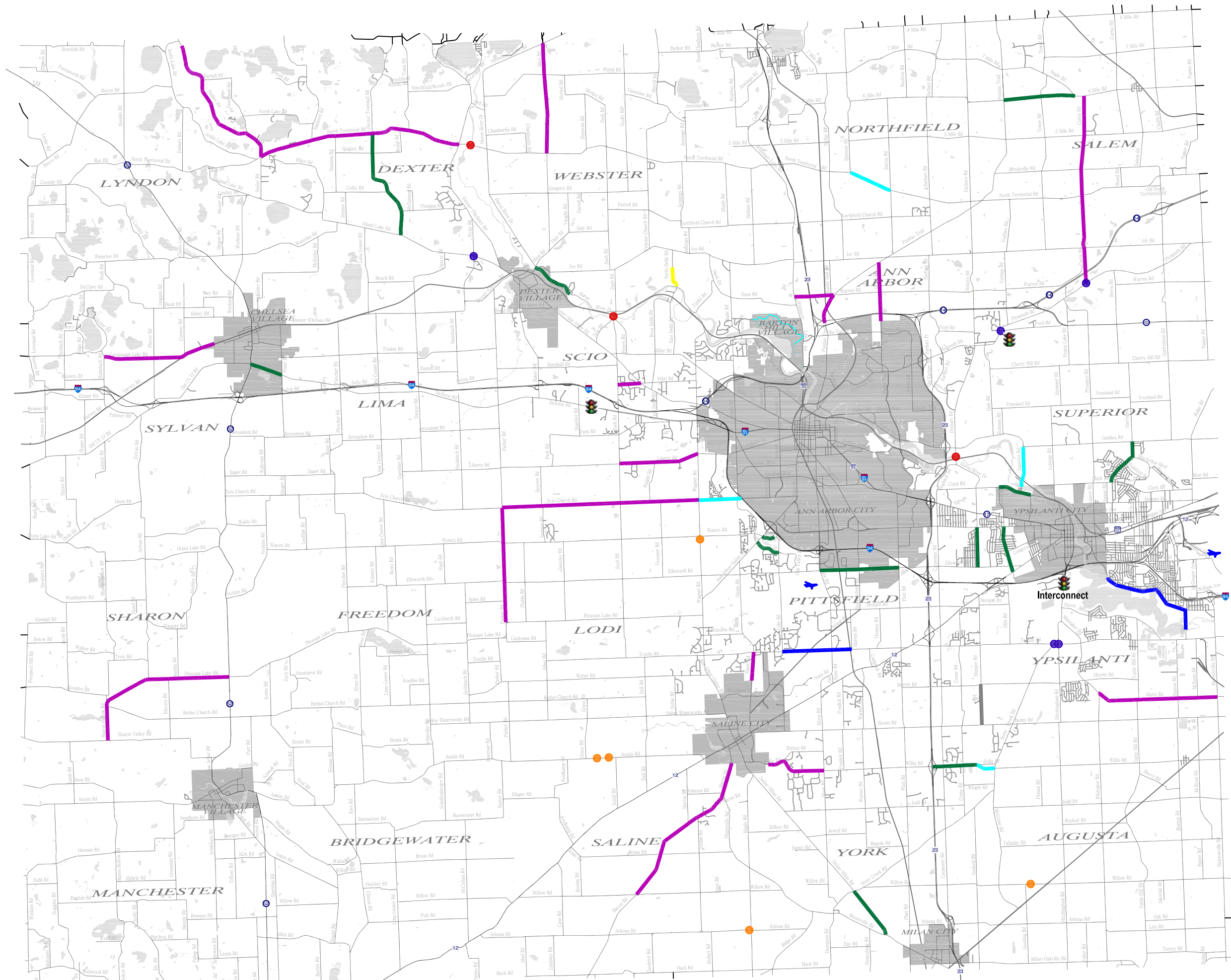
2014 Pavement Surface Evaluations and Ratings (PASER)

- Crack Seal - PASER Rating 6-9
- Sealcoat - PASER Rating 5
- Overlay - PASER Rating 4
- Mill/Overlay - PASER Rating 3
- Reconstruct - PASER Rating 1-2

Northfield Township

Date: 30Jan2015
Note: 2014 Fed. Aid Ratings





2015 Road & Bridge Improvement Projects



Legend - Proposed Projects

- Reconstruction
- Mill/Overlay
- Pulverize/Overlay
- Chipseal
- Non-Materized Path
- Limestone Overlay
- Bridge/Culvert Replacement
- Bridge Deck Maintenance
- Intersection Project
- Signal Improvement

Date: 02/20/2015

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	2015-2019	\$50	\$50
Equipment/Fleet	WCRC	Countywide	Equipment	2015-2019	\$1,625	\$1,625
Facility and Grounds	WCRC Property	Countywide	Facility & Grounds	2015-2019	\$375	\$375
Northeast Service Center	WCRC Property	Northeast Service Center	Site Civil Design	2015	\$100	\$100
Overlay Program	Countywide	Countywide	Resurface	2015-2019	\$0	\$0
Primary Limestone/Gravel	Countywide	Countywide	Resurface	2015-2019	\$250	\$250
Sealcoat Program	Countywide	Countywide	Resurface	2015-2019	\$1,500	\$1,500
Primary Bridge Program	Countywide	Countywide	Bridge	2015-2019	\$450	\$450
Austin Road Bridge	Saline	Over Saline River	Bridge - Replace	2015	\$200	\$1,150
Austin Road Bridge	Saline	Over Bauer Drain	Bridge - Replace	2015	\$170	\$558
Dixboro Road Bridge	Ann Arbor	Over Huron River	Bridge - Preserve Deck	2015	\$103	\$592
North Territorial Road Bridge	Dexter	Over Huron River	Bridge - Preserve Deck	2015	\$47	\$270
Wagner Road Culvert	Lodi	Over Unnamed Tributary	Bridge - Replace	2015	\$115	\$460
Willow Road Bridge	Augusta	Over Buck Creek	Bridge - Replace	2015	\$250	\$250
Zeeb Road Bridge	Scio	Over Huron River	Bridge - Preserve Deck	2015	\$40	\$230
Jerusalem Road Bridge	Lima	Over Mill Creek	Bridge - Preserve Deck	2016	\$48	\$189
Maple Road Bridge	Saline/York	Over Saline River	Bridge - Preserve Deck	2016	\$37	\$156
McGregor Road Bridge	Dexter	Over Portage Lake Outlet	Bridge - Replace	2016	\$538	\$2,239
Mooreville Road Bridge	York	Over Saline River	Bridge - Preserve Deck	2016	\$49	\$206
Wiard Road Bridge	Ypsilanti	Over Tyler Road	Bridge Removal	2016	\$1,251	\$2,500
Limestone Program - PA 283	Countywide	Countywide	Resurface	2015	\$0	\$80
HMA Resurfacing Program - PA 283	Countywide	Countywide	Resurface	2015	\$0	\$2,735
Sealcoat Program - PA 283	Countywide	Countywide	Resurface	2015	\$0	\$1,370
Pavement Preservation STL	Countywide	Countywide	Resurface	2015-2019	\$336	\$1,682
Pavement Preservation STU	Countywide	Countywide	Resurface	2015-2019	\$531	\$2,657
Pavement Preservation TEDF-D	Countywide	Countywide	Resurface	2015-2019	\$181	\$912
Resurfacing 3R STL	Countywide	Countywide	Resurface	2015-2019	\$275	\$1,377
Resurfacing 3R STU	Countywide	Countywide	Resurface	2015-2019	\$662	\$3,314
Resurfacing 3R TEDF-D	Countywide	Countywide	Resurface	2015-2019	\$205	\$1,024
Hewitt Road	Ypsilanti	Michigan Ave to Packard Rd	Resurface	2015	\$153	\$706
Huron River Drive/Superior Road	Ypsilanti	Hewitt Rd to Cornell St	Resurface	2015	\$122	\$562
Huron Road	Ypsilanti	Huron River Drive to I-94	Signal Upgrade	2015	\$0	\$449
Island Lake Road	Dexter	At Wylie Road	Safety - Hillcut	2015	\$68	\$403
Jennings Road	Webster	N. Territorial Rd to Twp Line	Pave Gravel Rd	2015	\$300	\$900
North Dethi Road	Scio	Huron River Dr to Eastgate Dr	Pave Gravel Rd	2015	\$0	\$700
Old US-12	City of Chelsea	M-52 to Freer Rd	Resurface	2015	\$114	\$374
Plymouth Road	Superior	At Curtis Road	Safety - Turn Lanes	2015	\$53	\$242
Plymouth Road	Superior	At Ford Road	Safety - Turn Lanes/Signal	2015	\$113	\$518
Scio Township SAD	Scio	Various Roads in Scio Twp	Resurface	2015	\$0	\$2,500
Textile Intersections	Ypsilanti	Stony Creek and Hitchingham	Safety	2015	\$0	\$900
Traffic Calming Program	Countywide	Various Locations	Safety	2015	\$0	\$500
Ann Arbor-Saline Road	Lodi	At Textile	Safety - Intersection	2016	\$125	\$625
Huron Road/Whittaker Road	Ypsilanti	Stony Creek Rd to I-94	Resurface	2016	\$125	\$625
Liberty Road	Scio	Park Rd to Stag's Leap Ln	Drainage, Limestone	2016	\$0	\$700
Prospect Road	Superior/Ypsilanti	Holmes Rd to Geddes Rd	Resurface	2016	\$90	\$250
Rawsonville Road	Augusta	Willow Rd to Talladay Rd	Resurface	2016	\$0	\$625
Textile Road	Lodi	Ann Arbor-Saline Rd to Maple Rd	Resurface	2016	\$100	\$500
Whittaker Road	Ypsilanti	At Merritt Rd	Safety - Roundabout	2016	\$669	\$1,569
Carpenter Road	York/Pittsfield	Judd Rd to Textile Rd	Resurface	2017	\$125	\$625
Harris Road	Ypsilanti	Michigan Ave to Holmes Rd	Reconstruct	2017	\$1,175	\$1,875
Rawsonville Road	Augusta	Talladay Rd to Judd Rd	Resurface	2017	\$0	\$400
Willis Road	Augusta	Hitchingham Rd to Whittaker Rd	Safety	2017	\$355	\$900
State Road	Pittsfield	Morgan Rd to Ellsworth Rd	Preliminary Engineering	2018	\$0	\$250
Totals					\$13,053	\$45,999

Washtenaw County Road Commission

2013 PASER Ratings Paved Local Roads & Non-Federal Aid Roads



Not to Scale

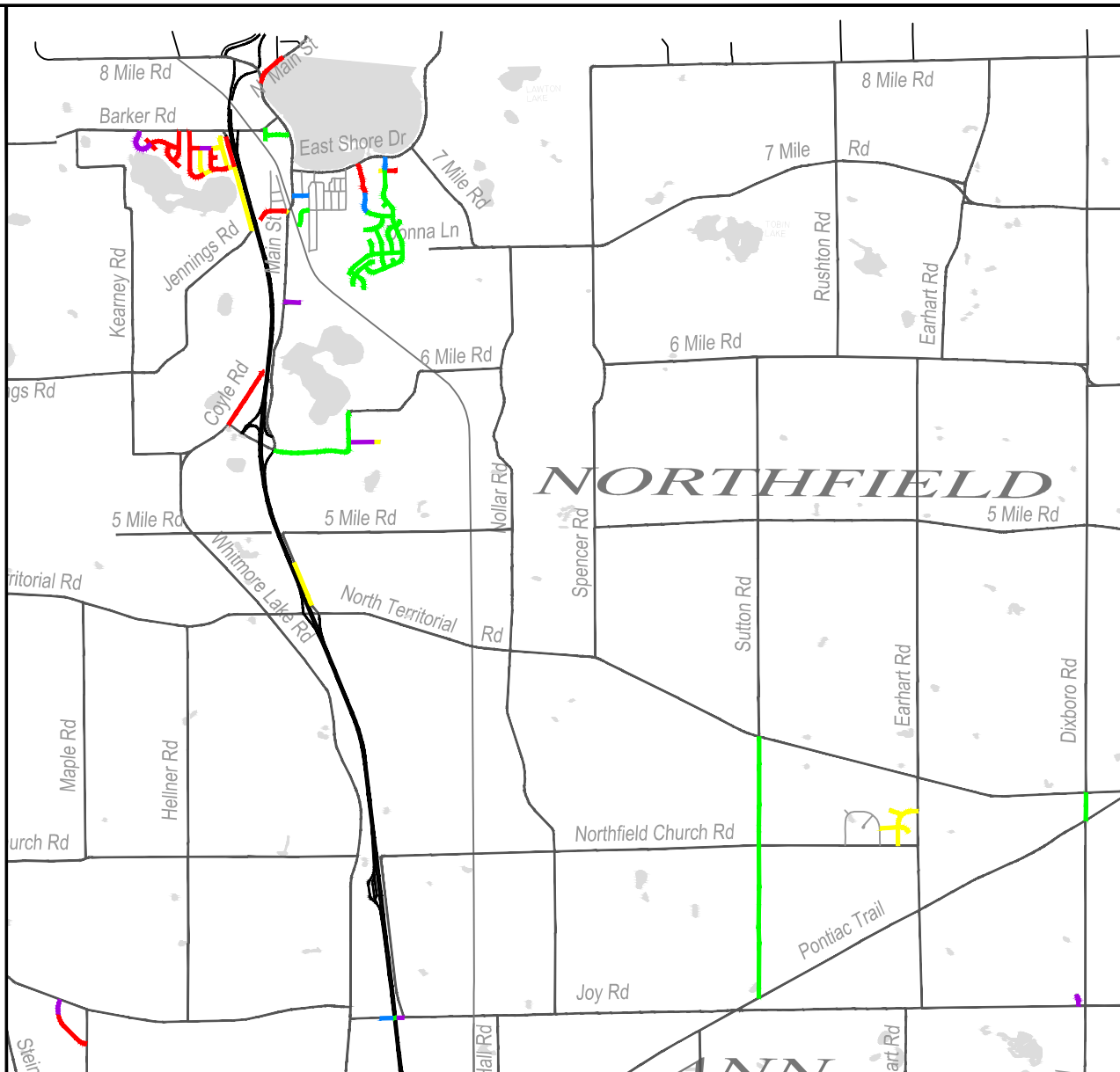
2013 Pavement Surface Evaluations and Ratings (PASER)

—	Crack Seal - PASER Rating 6-9	5.30 miles
—	Sealcoat - PASER Rating 5	0.30 miles
—	Overlay - PASER Rating 4	0.60 miles
—	Mill/Overlay - PASER Rating 3	2.58 miles
—	Reconstruct - PASER Rating 1-2	1.90 miles

Total miles: 10.68 miles

Northfield Township

Date: 05Feb2015
Note: 2013 PASER Ratings



2015-03

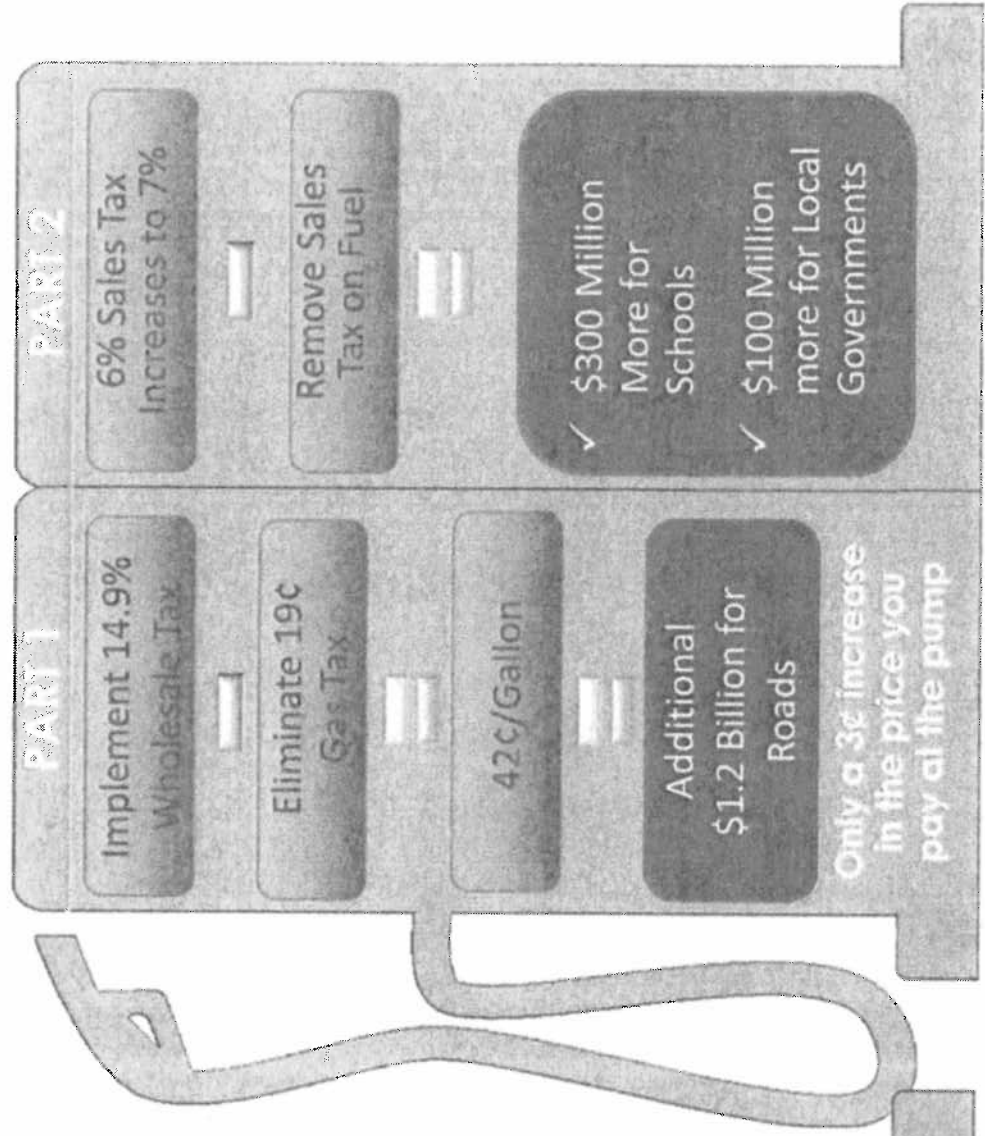
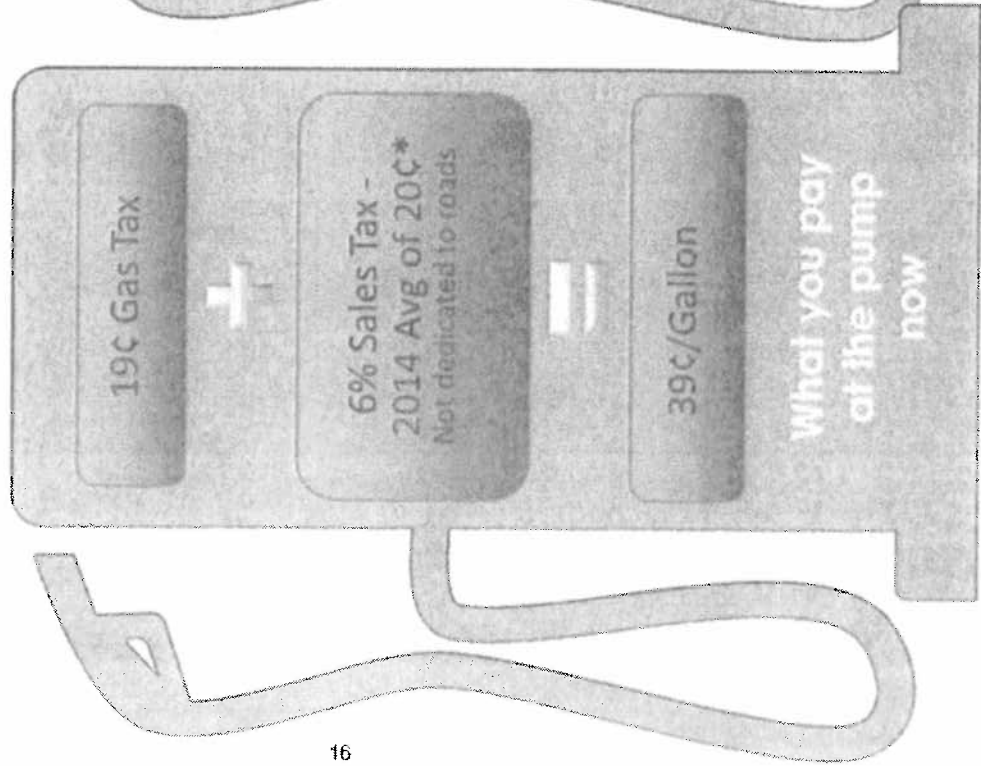
Washtenaw County Act PA 283

Road	WCC Dist	Note	Project Limits	Type of Work	Length (miles)	Est. Cost	Est. Cost-0.5	Tax/Rev/0.50
Scio Church Road	1	A-3	Wagner to I-94	Pulverize & Overlay	1.00	\$ 200,000		
North Territorial Road	1		Hadley to Dexter Pinckney	Sealcoat	5.00	\$ 125,000		
Dexter Townhall Road	1		Quigley to North Territorial	Mill & Overlay	0.50	\$ 75,000		
Huron River Drive	1		Mast to Dexter-Huron Metropark	Mill & Overlay	1.30	\$ 225,000		
Hadley Road	1		North Territorial to county line	Chipseal & Fog Seal	3.80	\$ 130,000		
Scio Church Road	1	A-3	Wagner to Parker	Sealcoat	5.00	\$ 62,500		
Liberty Road	1		Zeeb to Wagner	Sealcoat	2.00	\$ 50,000		
Pratt Road	1		Zeeb to Dexter - Ann Arbor	Wedge & Dbl Sealcoat	0.60	\$ 40,000		
Cavanagh Lake Road	1		Kalmbach to Chelsea city limits	Wedge & Sealcoat	3.80	\$ 75,000	\$ 982,500	\$ 1,000,000
					22.40			
North Territorial Road	2		Spencer to Sutton	Pulverize & Overlay	1.00	\$ 300,000		
Superior	2		Huron River Drive to Geddes	Pulverize/Mill & Overlay	1.00	\$ 280,000		
Mast Road	2		North Territorial to county line	Sealcoat	3.00	\$ 75,000		
MacArthur Blvd	2	A-6	Clark to Harris	Mill & Overlay	0.90	\$ 70,000		
Nixon Road	2		Joy to Ann Arbor city limits	Sealcoat	1.30	\$ 32,500		
Warren Road	2		Whitmore Lake Rd to Pontiac Trail	Sealcoat	1.00	\$ 25,000		
Pontiac Trail	2		M14/US23 to Warren	Sealcoat	0.70	\$ 17,500		
Curtis Road	2		Plymouth to Six Mile	Double Sealcoat	5.00	\$ 220,000		
Harris Road	2		MacArthur to Geddes	Mill & Overlay	0.40	\$ 60,000	\$ 1,080,000	\$ 1,080,000
					14.30			
Willis Road	3		US23 to Bolla	Mill & Overlay	1.00	\$ 150,000		
Willis Road	3		Moon to Saline city line	Wedge & Sealcoat	1.50	\$ 60,000		
Macon/Jordan Road	3		Willow to Saline city line	Sealcoat	3.60	\$ 90,000		
Scio Church Road	3	A-1	Wagner to I-94	Pulverize & Overlay	1.00	\$ 100,000		
Parker Road	3		Pleasant Lake to Scio Church	Sealcoat	3.00	\$ 75,000		
Pleasant Lake Road	3		M52 to Sharon Hollow	Sealcoat	3.20	\$ 80,000		
Sharon Hollow Road	3		Pleasant Lake to Sharon Valley	Wedge & Sealcoat	1.00	\$ 35,000		
Scio Church Road	3	A-1	Wagner to Parker	Sealcoat	5.00	\$ 62,500	\$ 652,500	\$ 660,000
					19.30			
Golfside Road	4	A-5,6	Ellsworth to Packard	Mill & Overlay	1.00	\$ 100,000		
Oak Valley Drive	4		Lohr to Ann Arbor-Saline	Remove pvmt & resurface	0.70	\$ 400,000		
Maple Road	4		Textile to Saline city line	Sealcoat & drainage	1.00	\$ 40,000		
Ellsworth Road	4	B-0,33	State Road to Platt	Mill & Overlay w/ bike lanes	2.00	\$ 250,000		
Munger Road	4	A-5,6	Bemis to Merritt	6" limestone	1.00	\$ 40,000	\$ 830,000	\$ 800,000
					5.70			
MacArthur Blvd	5 & 6	A-2	Clark to Harris	Mill & Overlay	0.90	\$ 135,000		
Munger Road	5 & 6	A-4	Bemis to Merritt	6" limestone	1.00	\$ 40,000		
Golfside Road	5 & 6	A-4	Ellsworth to Packard	Mill & Overlay	1.00	\$ 100,000		
New Meadow	5 & 6		Willowbridge to Big Pine	Remove pvmt & resurface	0.50	\$ 200,000		
Willis Road	5 & 6		Bolla to Stony Creek	Pulverize & Overlay	0.30	\$ 90,000		
Martz Road	5 & 6		Ransomville to Whittaker	Sealcoat	3.00	\$ 75,000	\$ 640,000	\$ 620,000
					6.70			
City of Ann Arbor								
Ellsworth Road	7, 8 & 9		State Street to Platt	Mill & Overlay w/ bike lanes	2.0	\$ 600,000		
Eisenhower	7, 8 & 9		AA-Saline to Boardwalk	Mill & Fill	1.4	\$ 580,000		
State Street	7, 8 & 9		Eisenhower to I-94	Mill & Fill	0.3	\$ 350,000		
Packard	7, 8 & 9		State Street to Stadium Blvd	Mill & Fill w/bike lanes	0.9	\$ 360,000		
Newport	7, 8 & 9		Miller to Sunset	Mill & Fill w/bike lanes	0.6	\$ 200,000		
Huron River Dr	7, 8 & 9		City Limits to Bird Rd	Mill & Overlay	0.7	\$ 120,000		
Huron Pkwy	7, 8 & 9		Plymouth to Hubbard	Mill & Fill	0.5	\$ 280,000		
					Total	6.43	\$ 2,420,000	
City of Chelsea								
Candon Street	1		W. Summit to Lincoln St	Reconstruct w/ sidewalks and ADA ramps		\$ 113,000		
City of Milan								
North Street	3		First to Michigan Ave	Reconstruct w/ sidewalks and ADA ramps		\$ 45,000		
City of Saline								
North Harris	3		Michigan Ave (US-12) to Wallace	Resurfacing/reconstruction w/ sidewalk and ADA ramps		\$ 204,000		
City of Ypsilanti								
Adams Street	6		Pearl to Cross	Reconstruct w/ sidewalk repairs and ADA ramps		\$ 145,000		
Village of Barton Hills								
Whitmore Lake Road	2		AA City Limits north one mile	Resurfacing		\$ 20,000		
Stein Road			Whitmore Lake west one mile	Resurfacing		\$ 8,000		
					Total	\$ 28,000		
Village of Dexter								
Central Street	1		Main to 5th St.	Mill & Overlay		\$ 30,000		
Huron Street			Mast to Broad	Mill & Overlay		\$ 20,000		
2nd Street			Hudson to Central	Mill & Overlay		\$ 20,000		
Forest Street			Broad to Kensington	Pulverize & Overlay		\$ 20,000		
Grand Street			Broad to Kensington	Pulverize & Overlay		\$ 20,000		
					Total	\$ 110,000		
Village of Manchester								
Woodland Way	3		Entire Street	Chipseal & Fog Seal		\$ 14,000		
Glenwood Circle			Entire Street	Chipseal & Fog Seal		\$ 7,000		
Riverbend			Clarkston to River	Chipseal & Fog Seal		\$ 10,000		
					Total	\$ 31,000		
Totals					15	74.83	\$ 4,185,000	\$ 3,096,000
							\$ 7,256,000	

2015 Ballot Proposal

TODAY

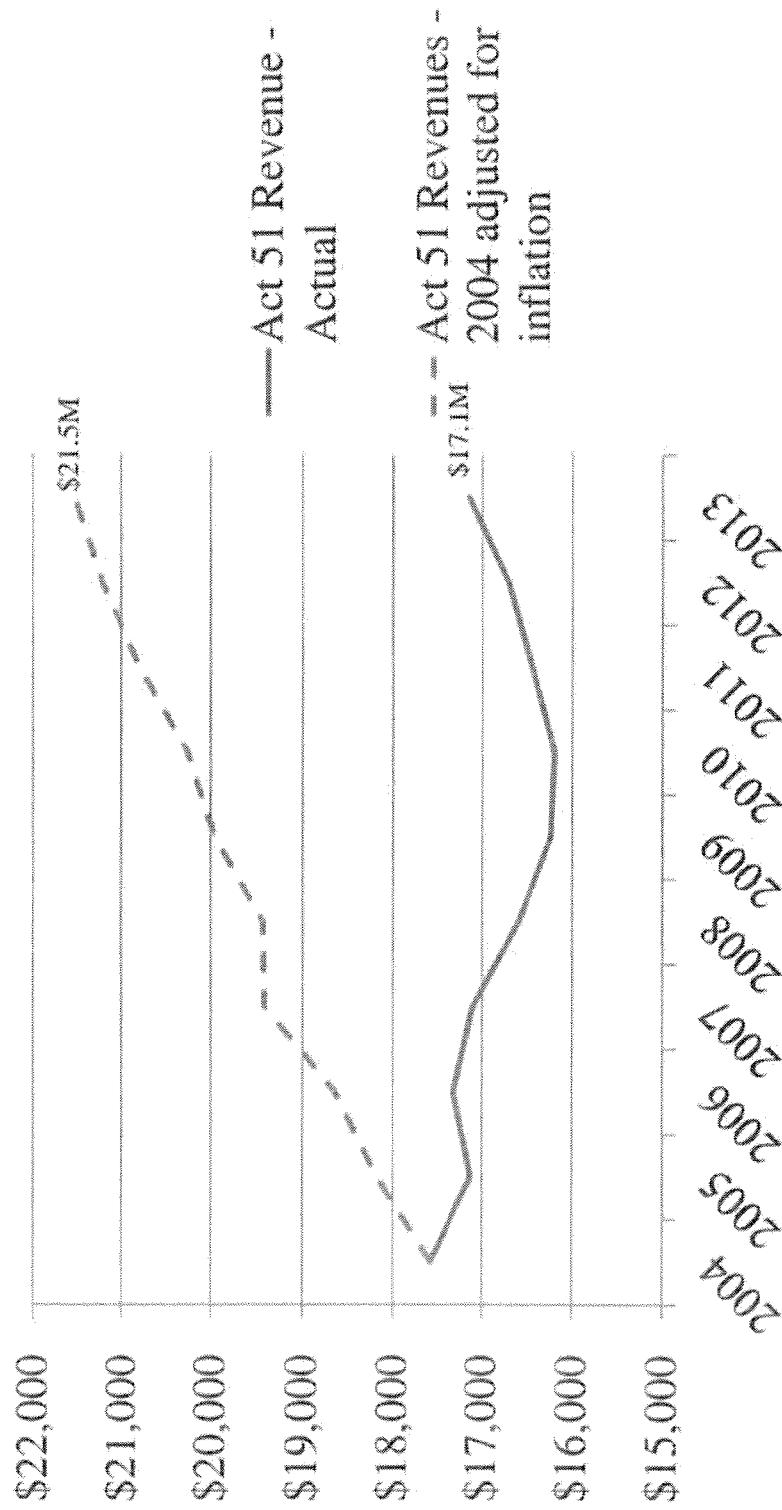
OCTOBER 1, 2015



*Based on wholesale price of \$3.33/gal

Washtenaw County Road Commission

Act 51 Revenue – Actual Compared to Inflationary Level
Years Ended December 31, 2004 through 2013



TOWNSHIP CONTRIBUTION SUMMARY 2011 - 2014

TOWNSHIP	TOTAL 2011	TOTAL 2012	TOTAL 2013	TOTAL 2014	4 Year Average
ANN ARBOR	\$ 49,000	\$ 54,000	\$ 122,000	\$ 224,919	\$ 75,000.00
AUGUSTA	\$ 97,000	\$ 202,000	\$ 203,000	\$ 192,169	\$ 167,333.33
BRIDGEWATER	\$ 32,000	\$ 34,000	\$ -	\$ 40,306	\$ 22,000.00
DEXTER	\$ 90,000	\$ 105,000	\$ 82,000	\$ 536,784	\$ 92,333.33
FREEDOM	\$ 42,000	\$ 45,000	\$ 57,000	\$ 31,716	\$ 48,000.00
LIMA	\$ 47,000	\$ 51,000	\$ 70,000	\$ 117,285	\$ 56,000.00
LODI	\$ 150,000	\$ 415,000	\$ 141,000	\$ 483,502	\$ 235,333.33
LYNDON	\$ 20,000	\$ 23,000	\$ 16,000	\$ 45,285	\$ 19,666.67
MANCHESTER	\$ 100,000	\$ 128,000	\$ 47,000	\$ 64,246	\$ 91,666.67
NORTHFIELD	\$ 42,000	\$ 62,000	\$ 84,000	\$ 93,195	\$ 62,666.67
PITTSFIELD	\$ 183,000	\$ 792,000	\$ 393,000	\$ 880,819	\$ 456,000.00
SALEM	\$ 173,000	\$ 296,000	\$ 1,042,000	\$ 459,327	\$ 503,666.67
SALINE	\$ 101,000	\$ 92,000	\$ 110,000	\$ 143,066	\$ 101,000.00
SCIO	\$ 471,000	\$ 1,245,000	\$ 833,000	\$ 1,108,452	\$ 849,666.67
SHARON	\$ 54,000	\$ 34,000	\$ 20,000	\$ 14,755	\$ 36,000.00
SUPERIOR	\$ 161,000	\$ 280,000	\$ 322,000	\$ 324,001	\$ 254,333.33
SYLVAN	\$ 17,000	\$ 10,000	\$ 8,000	\$ 26,852	\$ 11,666.67
WEBSTER	\$ 135,000	\$ 153,000	\$ 89,000	\$ 16,019	\$ 125,666.67
YORK	\$ 26,000	\$ 34,000	\$ 108,000	\$ 418,883	\$ 56,000.00
YPSILANTI	\$ 1,190,000	\$ 4,970,000	\$ 2,794,000	\$ 2,510,384	\$ 2,984,666.67
	\$ 3,180,000	\$ 9,025,000	\$ 6,541,000	\$ 7,731,963	\$ 6,619,490.83

Three year avg. 2012 - 2014

\$ 7,765,988