

2012
ANNUAL MEETING
SUPERIOR TOWNSHIP



COMMISSIONERS
DOUGLAS E. FULLER
CHAIR
FRED J. VEIGEL
VICE CHAIR
KEN SCHWARTZ
MEMBER

WASHTENAW COUNTY
BOARD OF COUNTY ROAD COMMISSIONERS
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Dear Superior Board of Trustees:

We are pleased to provide Superior Township Officials with our 2012 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 summary of 2011 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. 2012 Local Road Program and Matching Fund Allocations
2. A Summary of 2011 Maintenance and Project Activities
3. Proposed 2012 Local Road Projects
4. 2012 Dust Control Program
5. 2010/2011 Pavement Surface Evaluations and Ratings (PASER)
6. 2012-2016 Planned Capital Investments
7. 2012 Road & Bridge Improvement Projects

Please note the critical due dates within the 2012 Local Road Program, including the matching fund commitment due date and payment due dates. 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 or our Director of Operations, Jim Harmon at 734-761-1500.

Very truly yours,

Roy D. Townsend

Roy D. Townsend, P.E.
Managing Director

RDT:jrs

WASHTENAW COUNTY ROAD COMMISSION
2012 LOCAL ROAD PROGRAM

The Washtenaw County Road Commission received approximately \$16,438,000 in Michigan Transportation Fund (MTF) revenues for 2011. The Road Commission is anticipating the same amount of MTF revenues for 2012.

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 2012 budget as approved by the Board of Road Commissioners at its regular meeting on December 8, 2011 (RC11-363) is provided as follows.

2012 Road Commission Budget

Revenues

Michigan Transportation Fund	\$ 16,250,000
Federal/ State Funds	\$ 5,925,000
Trunkline Maintenance	\$ 2,328,000
Township Contributions	\$ 1,771,000
Other Contributions	\$ 1,580,000
Miscellaneous Income	<u>\$ 725,000</u>
Total	\$ 28,579,000

Expenditures

Administration	\$ 971,000
Operations	\$ 10,229,000
Engineering	\$ 2,447,000
Non-Departmental	\$ 5,849,000
Debt Service	\$ 753,000
Road Improvement Program	<u>\$ 9,702,000</u>
Total	\$ 29,952,000

Matching Funds

The Road Commission has allocated a total of \$500,000 in 2012 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, Dexter, Lima, Lodi, Northfield, Pittsfield, Salem, Saline, Scio, Superior, 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 2012 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	CHANGE IN MATCHING FUNDS	2011 CONVENTIONAL LOCAL ROAD MATCHING PROGRAM	2012 CONVENTIONAL LOCAL ROAD MATCHING PROGRAM	2011 DRAINAGE MATCHING PROGRAM	2012 DRAINAGE MATCHING PROGRAM
Salem	\$ (561)	\$ 16,496	\$ 15,935	\$ 10,493	\$ 10,493
Northfield	(661)	24,534	23,873	13,732	13,732
Webster	327	17,659	17,986	11,792	11,792
Dexter	(30)	16,576	16,546	6,932	6,932
Lyndon	(310)	12,265	11,955	10,048	10,048
Sylvan	(233)	13,596	13,363	11,489	11,489
Lima	339	14,348	14,687	12,745	12,745
Scio	958	37,230	38,188	7,157	7,157
Ann Arbor	(1,422)	12,430	11,008	3,833	3,833
Superior	1,251	30,810	32,061	8,793	8,793
Ypsilanti	(982)	106,556	105,574	5,924	5,924
Pittsfield	230	68,895	69,125	4,669	4,669
Lodi	(361)	23,084	22,723	12,879	12,879
Freedom	(299)	13,824	13,525	13,684	13,684
Sharon	(148)	10,554	10,406	9,971	9,971
Manchester	193	14,074	14,267	13,176	13,176
Bridgewater	(173)	11,897	11,724	11,481	11,481
Saline	313	9,432	9,745	8,125	8,125
York	221	26,923	27,144	8,521	8,521
Augusta	1,346	18,818	20,164	14,554	14,554
	*	\$ 500,000	\$ 500,000	\$ 200,000	\$ 200,000

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

Superior Township has \$0 conventional matching fund carryover from 2011.
 Superior Township has \$0 drainage matching fund carryover from 2011.

The WCRC Local 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 25, 2012, 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.

Matching funds are eligible for use on P.A. 246 Special Assessment District ("SAD") projects, contingent upon an equivalent match from the townships. Matching funds are ineligible for use on P.A. 188 SAD's.

(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 utilized 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.

SUPERIOR TOWNSHIP 2011 ACTIVITIES

LOCATION	PROJECT	WCRC COST	TOWNSHIP COST	TOTAL COST
<u>PRIMARY</u>				
Maintenance	Roads	\$ 104,330.10		\$ 104,330.10
Maintenance	Winter	109,638.38		109,638.38
Maintenance	Traffic	57,112.73		57,112.73
Maintenance	Other	1,041.08		1,041.08
Heavy Maintenance	Various	47,055.10		47,055.10
Construction - Nonmotorized	Various	57,137.20		57,137.20
Safety Projects	Various	815.05		815.05
		<u>\$ 377,129.64</u>	<u>\$ -</u>	<u>\$ 377,129.64</u>
<u>LOCAL</u>				
Maintenance	Roads	\$ 251,990.77		\$ 251,990.77
Maintenance	Winter	42,230.67		42,230.67
Maintenance	Traffic	6,478.51		6,478.51
Local Roads	Dust Control	10,218.11	52,653.27	62,871.38
Ashley, Andover to Abbey	Mill & Overlay	4,773.44	24,597.24	29,370.68
Fox Hollow Court, Vorhies to dead end	Pulverize & Pave	7,257.86	37,399.26	44,657.12
Pine Court off of Stephens	Mill & Overlay	3,975.23	20,484.12	24,459.35
Various Local Roads	Limestone	1,570.31	8,091.69	9,662.00
Joy Road, Dixboro to Vorhies	Limestone	3,464.04	17,849.98	21,314.02
Vorhies, Vreeland, Geddes	Ditching	8,793.00	(442.39)	8,350.61
		<u>\$ 340,751.94</u>	<u>\$ 160,633.17</u>	<u>\$ 501,385.11</u>

SUPERIOR TOWNSHIP

PROPOSED 2012 LOCAL ROAD PROJECTS

- DURHAM COURT
Work to include milling the existing surface, and the placement of 2" of bituminous overlay and ADA sidewalk ramps. Final cost to be determined by competitive bid.
Estimated project cost: \$ 13,000

- LIVERPOOL COURT
Work to include milling the existing surface, the placement of 2" of bituminous overlay and ADA sidewalk ramps. Final cost to be determined by competitive bid.
Estimated project cost: \$ 15,750

- PANAMA AVENUE, DAWN TO STAMFORD
Work to include milling the existing surface, structure adjustment, and the placement of a 3" bituminous overlay and ADA sidewalk ramps. Final cost to be determined by competitive bid. (Potential CDBG Funding)
Estimated project cost: \$ 64,000

- STAMFORD ROAD, WIARD ROAD TO PANAMA AVENUE
Work to include milling the existing surface, and the placement of a 2" bituminous overlay. Final cost to be determined by competitive bid. (Potential CDBG Funding)
Estimated project cost: \$ 33,750

- BRISTOL COURT
Work to include milling the existing surface, and the placement of a 2" bituminous overlay. Final cost to be determined by competitive bid. (Potential CDBG Funding)
Estimated project cost: \$ 9,000

- NOTTINGHAM ROAD FROM STEPHENS DRIVE TO BRISTOL COURT
Work to include milling the existing surface, and the placement of a 2" bituminous overlay and ADA sidewalk ramps. Final cost to be determined by competitive bid. (Potential CDBG Funding)
Estimated project cost: \$ 42,300

- STRATFORD COURT
Work to include milling the existing surface, and the placement of a 2" bituminous overlay and ADA sidewalk ramps. Final cost to be determined by competitive bid. (Potential CDBG Funding)
Estimated project cost: \$ 18,700

- **DOVER COURT**
 Work to include milling the existing surface, and the placement of a 2" bituminous overlay and ADA sidewalk ramps. Final cost to be determined by competitive bid. (Potential CDBG Funding)
 Estimated project cost: \$ 15,800
- **JOY ROAD, CURTIS ROAD TO GOTFREDSON ROAD**
 Work to include shaping the existing surface, the application of 6" (C.I.P.) of 23a limestone (approximately 8100 tons) with associated dust control and project restoration. This is a township share project with Salem Township.
 Estimated project cost: \$ 102,000
 Estimated cost to Superior Township: \$ 51,000
- **MOTT ROAD, RIDGE ROAD TO WAYNE COUNTY LINE**
 Work to include ditching, the pulverization and shaping of the existing surface, the placement of a 4" (C.I.P.) of 23a limestone (approximately 1400 tons) with associated dust control and project restoration. Final cost to be determined by competitive bid. This is a township share project with Ypsilanti Township.
 Estimated project cost \$ 39,000
 Estimated cost to Superior Township \$ 19,500
- **WARREN ROAD FROM DIXBORO ROAD 0.4 MILES EASTERLY**
 Work to include ditching, tree removal, shaping the existing surface, the application of 6" (C.I.P.) of 23a limestone (approximately 1550 tons) with associated dust control and project restoration.
 Estimated project cost: \$ 45,700
- **VORHIES ROAD FROM WARREN ROAD 0.5 MILES NORTHERLY**
 Work to include ditching, shaping the existing surface, the application of 6" (C.I.P.) of 23a limestone (approximately 1700 tons) with associated dust control and project restoration.
 Estimated project cost: \$ 46,500
- **FRAINS LAKE ROAD, PROSPECT TO PAVEMENT**
 Work to include ditching, shaping the existing surface, the application of 6" (C.I.P.) of 23a limestone (approximately 1450 tons) with associated dust control and project restoration.
 Estimated project cost: \$ 43,400
- **FRAINS LAKE ROAD, M-153 TO CHERRY HILL ROAD**
 Work to include ditching, shaping the existing surface, the application of 6" (C.I.P.) of 23a limestone (approximately 3550 tons) with associated dust control and project restoration.
 Estimated project cost: \$ 76,000

- GOTFREDSON ROAD, FROM CHERRY HILL 0.5 MILES NORTHERLY
 Work to include ditching, shaping the existing surface, the application of 6” (C.I.P.) of 23a limestone (approximately 2000 tons) with associated dust control and project restoration.
 Estimated project cost: \$ 62,840
- VREELAND ROAD EAST OF HICKMAN, NORTH SIDE
 Work to include ditching with associated project restoration.
 Estimated project cost: \$ 12,600
- 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 and District Foreman. Estimated cost of \$12.52 per ton includes all labor, equipment and material costs. The township can establish a “not to exceed” cost.
- VORHIES ROAD, PLYMOUTH ROAD TO WARREN ROAD
 Work to include the placement of a single sealcoat.
 Estimated project cost: \$ 22,800
- CREEKSIDE DRIVE, TANGLEWOOD DRIVE TO OVERBROOK DRIVE
 Work to include the placement of a slurry seal surface.
 Estimated project cost: \$ 10,500
- CREEKSIDE COURT
 Work to include the placement of a slurry seal surface.
 Estimated project cost: \$ 9,500
- OVERBROOK DRIVE, DIXBORO ROAD TO ROLLING RIDGE COURT
 Work to include the placement of a slurry seal surface.
 Estimated project cost: \$ 15,000
- CHURCH STREET, DIXBORO ROAD TO PLYMOUTH ROAD
 Work to include roadside berm removal and the placement of a slurry seal surface.
 Estimated project cost: \$ 23,000

WASHTENAW COUNTY ROAD COMMISSION
2012 DUST CONTROL MATERIAL OPTIONS

<u>MATERIAL</u>	<u>COST/GALLON APPLIED</u>
Contract Brine	\$0.183
Calcium Chloride	\$0.525

SUPERIOR TOWNSHIP OPTIONS

31.74 miles certified local gravel roads

Contract Brine

(Recommended application rate - 2000 gallons per mile)

One Solid Application 63,480 gallons = \$11,616.84

Calcium Chloride

(Recommended application rate - 2000 gallons per mile)

One Solid Application 63,480 gallons = \$33,327.00

For Information Only

2011 Use: 119,755 gallons Chloride
(2 solid applications)

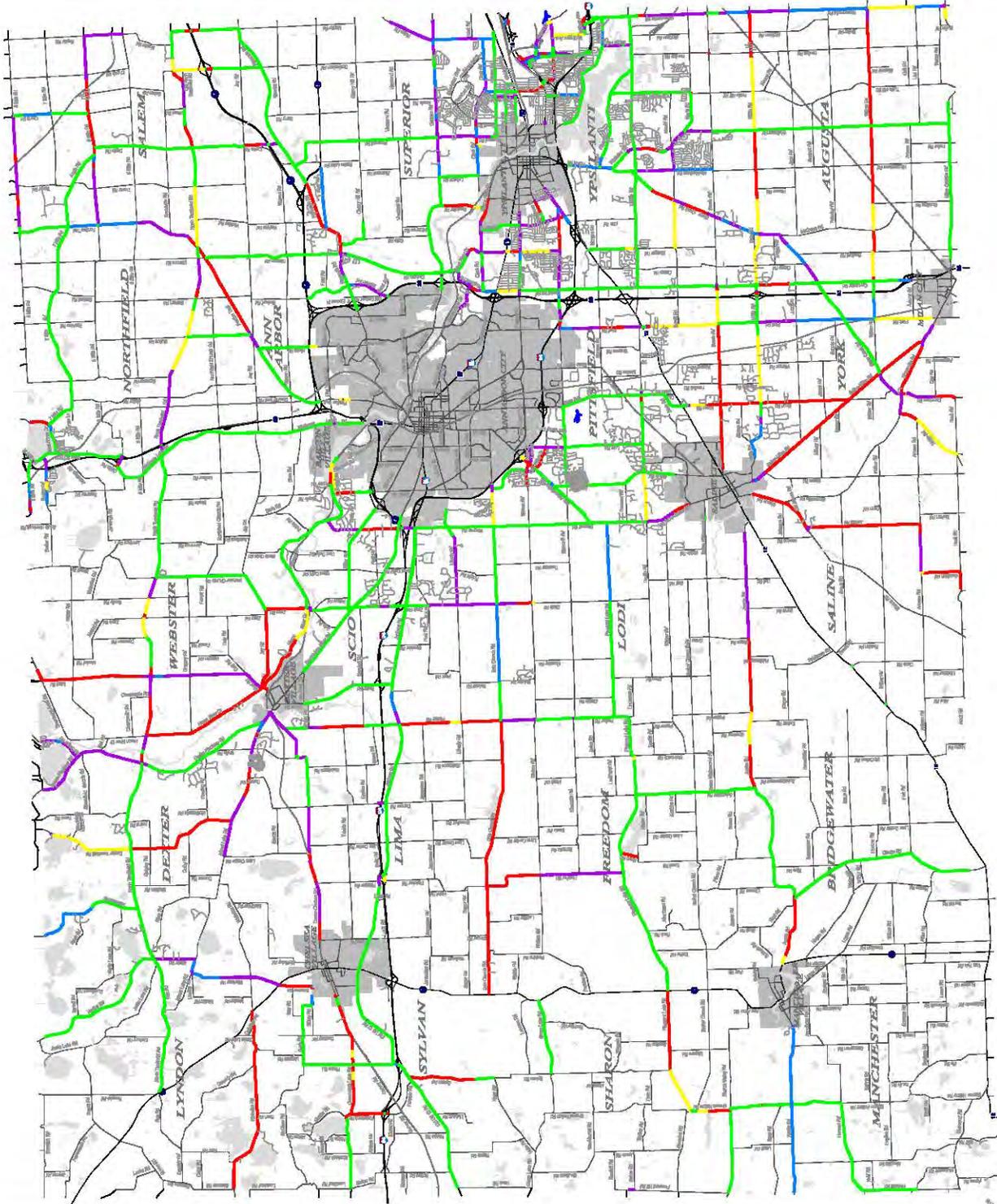
Federal Aid
Eligible Paved Roads
Washtenaw County
Road Commission



2010 Pavement Surface
Evaluations and Ratings
(P-ASER)

- 10 - New road location
- 9 - All new condition (no existing or old road)
- 8 - Overlaid in new condition (no existing or old road)
- 7 - Full depth of repair, base and subgrade
- 6 - Full depth of repair, base and subgrade, with 10% aggregate
- 5 - Overlaid in new condition (no existing or old road) with 10% aggregate
- 4 - Overlaid in new condition (no existing or old road) with 10% aggregate, base and subgrade
- 3 - Overlaid in new condition (no existing or old road) with 10% aggregate, base and subgrade, with 10% aggregate
- 2 - Overlaid in new condition (no existing or old road) with 10% aggregate, base and subgrade, with 10% aggregate, with 10% aggregate
- 1 - Overlaid in new condition (no existing or old road) with 10% aggregate, base and subgrade, with 10% aggregate, with 10% aggregate, with 10% aggregate

Map Boundary



Map Scale: 1 inch = 1 mile
Map Date: 10/1/2010

**Federal Aid
Eligible Paved Roads
Washtenaw County
Road Commission**

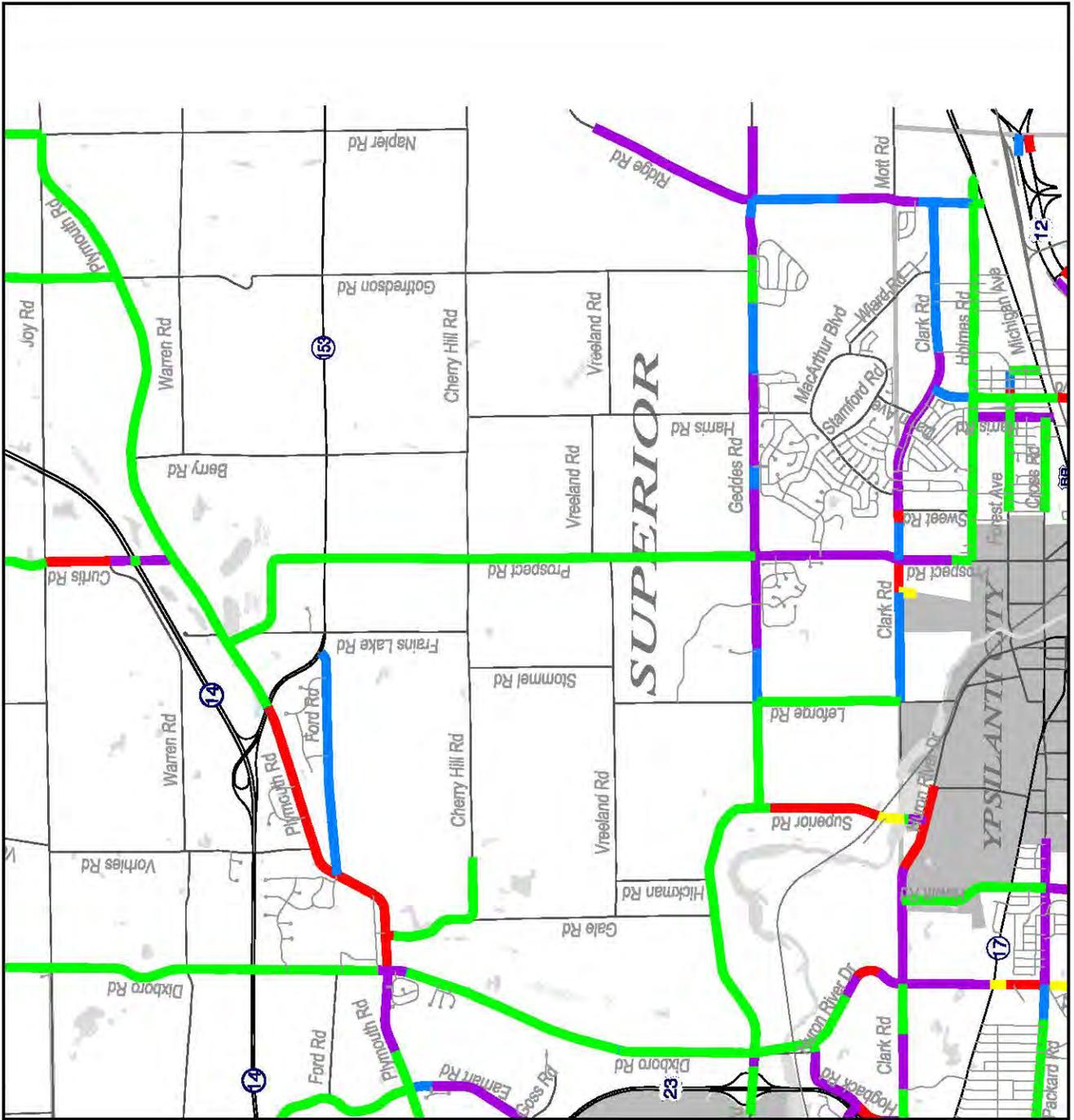


Not to Scale

**2010/2011 Pavement Surface
Evaluations and Ratings
(PASER)**

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

Superior Township



Date: 08-Feb-2012
Note: 2011 Treatments Ratings Added

**Superior Township
Paved Local Roads
& Non-Federal Aid Roads**

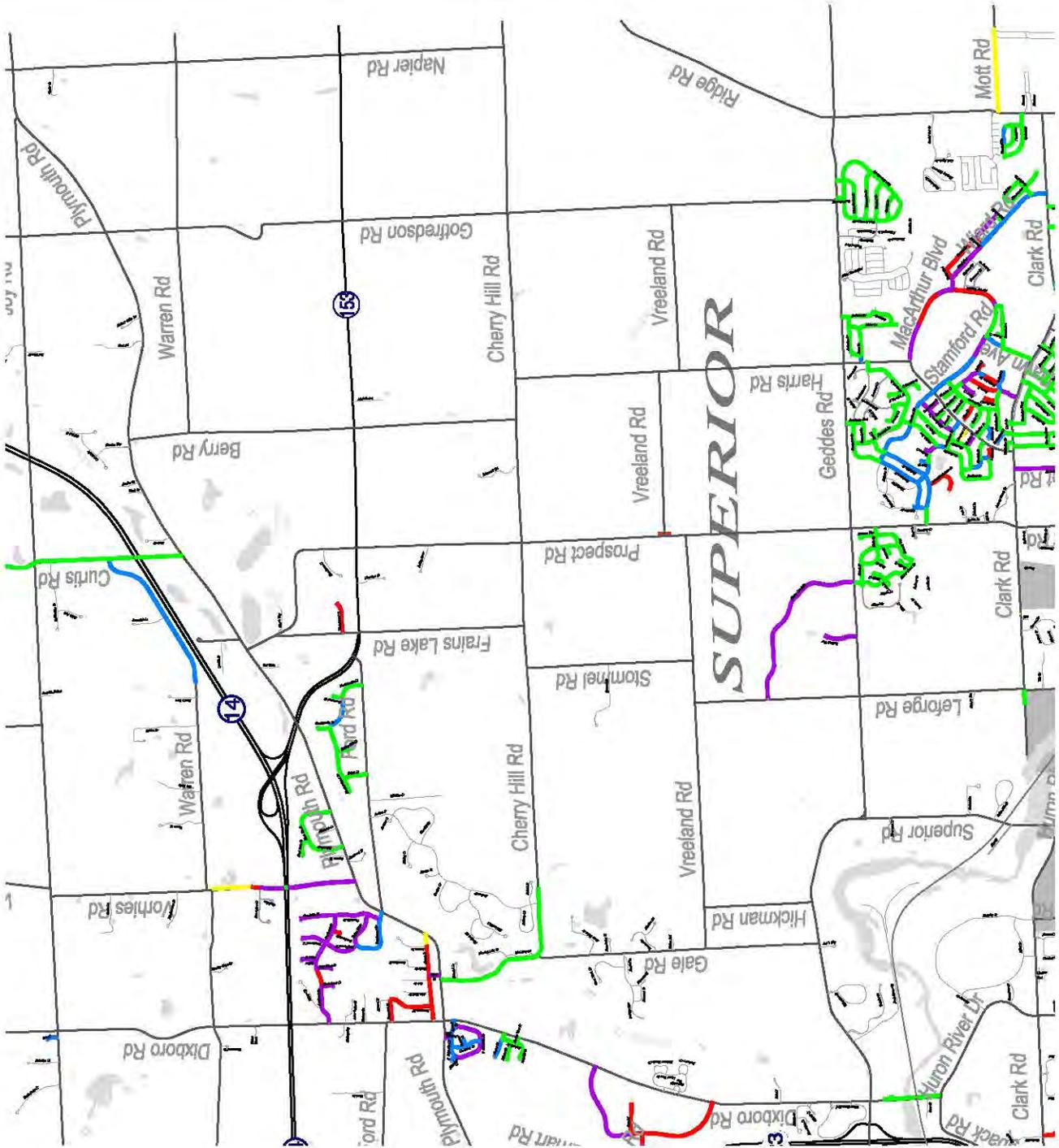
**Washtenaw County
Road Commission**



**2011 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

D:\41: 07FA2012
Note: 2011 Local Rating



Planned Capital Investments - Michigan Transportation Fund Obligations

Project Name	Planning Area	Project Limits	Project Type	Year	Total MTF Cost	Total Project Cost
Equipment	WCRC	County	Equipment	2012-2016	\$1,625	\$1,625
Facility and Grounds	WCRC Property	Countywide	Facility & Grounds	2012-2016	\$375	\$375
Overlay Program	Countywide	County	Resurface	2012-2016	\$0	\$0
Sealcoat Program	Countywide	County	Resurface	2012-2016	\$0	\$0
Primary Limestone	Countywide	County	Resurface	2012-2016	\$250	\$250
Border to Border, Phase I	Countywide	Hudson Mills to Dexter	Non-motorized	2012	\$0	\$1,880
Border to Border, Phase II	Countywide	Dexter to HCMA	Non-motorized	2013	\$0	\$100
Primary Bridge Program	Countywide	County	Bridge	2012-2016	\$450	\$450
Pavement Preservation Cat. D	Countywide	County	Resurface	2012-2016	\$545	\$2,660
Pavement Preservation STP-U	Countywide	County	Resurface	2012-2016	\$630	\$3,066
Pavement Preservation STP-R	Countywide	County	Resurface	2012-2016	\$350	\$2,108
Resurfacing 3R Cat. D	Countywide	County	Resurface	2012-2016	\$0	\$0
Resurfacing 3R STP-U	Countywide	County	Resurface	2012-2016	\$355	\$1,775
Resurfacing 3R STP-R	Countywide	County	Resurface	2012-2016	\$76	\$595
County Millage	Countywide	County	Resurface	2012-2016	\$0	\$0
Sign Upgrades	Countywide	County	Safety	2012-2014	\$35	\$165
Waters Road	Lodi	Wagner to Township Line	Safety	2012	\$120	\$500
Arkona Road	Saline	W. of Jordan	Safety	2012	\$0	\$30
Carpenter Road	Pittsfield	At Packard Intersection	Safety	2012	\$0	\$60
N. Territorial Road	Northfield	At Whitmore Lake Road	Safety	2012	\$35	\$135
Rawsonville Road	Ypsilanti	At Martz Road	Safety	2013	\$0	\$500
State Road	Pittsfield	Ellsworth to Textile	Env. Assessment	2012	\$20	\$100
Werkner Road	Lyndon	M-52 to N. of Waterloo	Resurface	2012	\$35	\$175
Golfside Road	Pittsfield/Ypsilanti	Packard to Clark	Resurface	2012	\$90	\$436
Ford Boulevard II	Ypsilanti	Ecorse to Michigan Ave	Resurface	2012	\$60	\$282
Textile Intersections	Ypsilanti	Stony Creek and Hitchingham	Safety	2013	\$0	\$75
Carpenter Road	Pittsfield	Packard to Washtenaw	Reconstruction	2013	\$120	\$570
Willis Road Bridge	Augusta	Over Paint Creek	Bridge	2012	\$100	\$400
Plymouth Road	Superior	Dixboro Road to M-153	Resurface	2012	\$275	\$1,375
State Road	Pittsfield	At Ellsworth	Safety	2013	\$0	\$1,400
Willis Road	Augusta	Hitchingham to Whittaker	Safety	2013	\$0	\$880
Ford Blvd Bridge	Ypsilanti	Over Railroad	Bridge	2013	\$200	\$3,200
Bemis Road	Ypsilanti	Hitchingham to Stony Creek	Paving	2014	\$150	\$750
Ellsworth Road	Ypsilanti	Hewitt to Fairhills	Resurface	2014	\$100	\$500
Hewitt Road	Ypsilanti	Michigan Ave to Packard	Resurface	2015	\$100	\$500
Seven Mile Road	Northfield	Main to Donna Lane	New Construction	2016	\$160	\$1,803
				Totals	\$6,256	\$28,720

Washtenaw County Road Commission 2012 Road & Bridge Improvement Projects



Legend - Proposed Projects

- Mill/Overlay
- Overlay
- Gravel Road Improvement
- Bridge Replacement
- Guardrail Project

