



MEETING NOTICE

There will be a Transportation Technical Committee meeting held on:

DATE: Thursday, March 3, 2016

TIME: 1:30 p.m.

PLACE: *WMSRDC Offices- 3rd Floor of Terrace Plaza*
316 Morris Avenue, Suite 340
Muskegon, Michigan 49443
<http://www.wmsrdc.org>

If you are unable to attend, please contact Brian Mulnix at 231.722.7878 x20

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TRANSPORTATION TECHNICAL COMMITTEE

AGENDA

March 3, 2016

- I. CALL TO ORDER
- II. APPROVAL OF THE PREVIOUS MINUTES (FEBRUARY 4, 2015) - **(ATTACHMENT I) ACTION**
- III. PUBLIC COMMENT
- IV. TRANSPORTATION IMPROVEMENT PROGRAM
FY2014-2017 TIP
 - FY2014-2017 TIP- AMENDMENT M- **(ATTACHMENT II) ACTION**
 - FY2017-2020 TIP (INFORMATION)
- V. MPO ROUNDTABLE-
 - NEW BUSINESS
- VI. OLD BUSINESS
- VII. PUBLIC COMMENT
- VIII. ADJOURNMENT

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ATTACHMENT I

WEST MICHIGAN METROPOLITAN TRANSPORTATION PLANNING PROGRAM (WESTPLAN) TECHNICAL COMMITTEE MEETING

MEETING MINUTES

February 4, 2016

West Michigan Shoreline Regional Development Commission, 3rd Floor
Muskegon, Michigan

Members Present: Paul Bouman, MCRC (Chairperson)
James Koens, MATS
Steve Redmond, MDOT
John Nash, Spring Lake Township
Craig Bessinger, City of Ferrysburg
William Hunter, City of Grand Haven
Tom Manderscheid, Harbor Transit
Brett Laughlin, OCRC
James Gardner, City of Muskegon Heights
Scott Beishuizen, City of Montague
Brian Armstrong, City of Whitehall
Matt Farrar, Muskegon Urban Townships
Marjorie Stonecypher, Village of Fruitport
Jim Murphy, City of Norton Shores
Bryon Mazade, City of Roosevelt Park

Members Absent: Randy Phillips, City of North Muskegon
Ben VanHoeven, Village of Spring Lake
Rachael Tupica, FHWA
Mohammed Al-Shatel, City of Muskegon

Others Present: Tim Terry, MDOT Muskegon TSC

Staff Present: Brian Mulnix, WMSRDC
Joel Fitzpatrick, WMSRDC
Amy Haack, WMSRDC

1. CALL TO ORDER

Mr. Paul Bouman called the meeting to order at 1:30 p.m.

2. REVIEW OF PREVIOUS MINUTES

A motion was made and supported to approve the minutes of the previous Technical Committee meeting. Motion approved. *M/S Bessinger/Murphy*

3. PUBLIC PARTICIPATION

The WestPlan Public Participation Plan procedure was followed to achieve public participation for this meeting. There were no comments from the public.

- 4. ELECTION OF OFFICERS** - Mr. Armstrong nominated Mr. Paul Bouman (Laughlin Supported) for Chairperson. Bouman respectfully declined. Mr. Paul Bouman nominated Mr. Matt Farrar as Chairperson (Murphy Supported). Mr. Jim Koens made a motion to close nominations and elect Farrar as chair. Motion seconded by James Murphy, approved unanimously.

Mr. Bessinger nominated Mr. Brett Laughlin for Vice Chairperson. Motion seconded by Mr. Bill Hunter. Mr. Jim Koens made a motion to close nominations and elect Laughlin as Vice Chairperson. Motion seconded by Mr. Manderscheid, approved unanimously.

- 5. 2014-2017 TIP AMENDMENT L** - Mr. Brian Mulnix spoke on the proposed Amendment L to the 2014 – 2017 TIP. The following list was discussed:

WestPlan FY2014-2017 TIP Amendment L

City of Muskegon Heights- 2017

Delete project- Center Street, Peck Street to Baker Street, Reconstruct- Federal \$99,605 State \$0 Local \$25,395 (STUL)

Add Project- Hackley Avenue- Park Street to Glade, Resurface, Federal \$99,605 State \$0 Local \$37,034 Total \$136,639 (STUL)

MATS- 2016

Add Project- Mobility Management Activities- Federal \$80,000 State \$20,000 Local \$0 Total \$100,000 (5310)

Add Project- Mobility Management Marketing- Federal \$40,000 State \$10,000 Local \$0 Total \$50,000 (5310)

MATS- 2017 (CMAQ)

Delete Project- Facility Development- Federal \$67,584 State \$16,896 Local \$0 Total \$84,480 (CMAQ)

Increase Funding on existing project- Outreach and Marketing-

currently listed as: Federal \$130,000 State \$32,500 Local \$0 Total \$162,500

Proposed Change: Federal \$197,584 State \$49,396 Local \$0 Total \$246,980 (Additional funding will come from the deleted Facility Development project being removed from this year)

MATS – 2018 (CMAQ) (This change will be reflected on the FY2017-2020 CMAQ Project list)

Delete Project- Outreach and Marketing- Federal \$60,000 State \$15,000 Local \$0 Total \$75,000 (CMAQ)

Increase Funding on existing project- Facility Development- currently listed as: Federal \$330,000 State \$82,500 Local \$0 Total \$412,500

Proposed Change: Federal \$390,000 State \$97,500 Local \$0 Total \$487,500 (Additional funding will come from the deleted Outreach and Marketing project being removed from this year)

A motion was made to recommend the changes to the Policy Committee. Motion approved.
M/S Manderscheid/Murphy

6. **2017 – 2020 TIP Development** – Mr. Brian Mulnix spoke on the 2017-2020 TIP project lists. A question was raised regarding funding increases due to the FAST ACT it was determine that the issue would be addressed once definite funding numbers were relayed to MPO staff. (Project lists are attached.) With the approval of the FY2017 Lists (all), they will match in both the last year of the FY2014-2017 TIP and the first year of the FY2017-2020 TIP.

A motion was made to recommend the 2017-2020 project lists to the Policy Committee. Motion approved. *M/S Manderscheid/Murphy*

7. **UNFINISHED BUSINESS** – No old business was discussed.
8. **MPO ROUNDTABLE**
9. **PUBLIC PARTICIPATION** - The WestPlan Public Participation Plan procedure was followed to achieve public participation for this meeting. There were no comments from the public.
10. **ADJOURN-** Meeting adjourned at 1:50 p.m.

FY2017-2020 TIP Staff recommendations DRAFT (Illustrative Projects)

Fiscal Year	County	Agency	Project Name	Limits	Length (miles)	Primary Work Type	Project Description	Federal Cost	Federal Source	State Cost	State Source	Local Cost	Total Cost
2015	Muskegon	Lakewood Club	Automobile Road	Lakewood Road to White Lake Drive		Reconstruct		\$295,000	STFU			\$65,000	\$345,000
2015	Muskegon	M/CRC	Franklin Road	US 31 to Wash Road		Reconstruct		\$240,000	STFU			\$73,000	\$363,000
2015	Muskegon	M/CRC	Russell Road			Reconstruct		\$272,000	STFU			\$225,000	\$497,000
2015	Muskegon	Muskegon	Off-Road	Black Creek to east end		Reconstruct		\$650,000	STFU				\$650,000
	Muskegon	Muskegon Heights	Pedestrian/bicycle pathway	Getty Street from Sherman to Broadway			Pedestrian/bicycle pathway	\$99,450	CM			\$16,013	\$89,003
	Muskegon	Muskegon Heights	Pedestrian/bicycle pathway	Getty Street			Pedestrian/bicycle pathway	\$124,000	CM			\$37,000	\$165,000
	Muskegon	MATS	Heavy duty bus replacement	Arenawide			Purchase replacement: 39 heavy duty, CNG bus 1000 gallon LP storage tank to Alternative Fuel Station	\$400,000	CM			\$100,000	\$500,000
	Ottawa	Harbor Transit	Support equipment	Arenawide				\$3,600	CM			\$650	\$4,750
	Muskegon	M/CRC	Add center turn lane	Whitetail road at McMillan			Add center turn lane	\$144,000	CM			\$96,000	\$180,000
	Muskegon	MATS	Small bus replacements	Arenawide			4 small replacement buses	\$400,000	CM			\$100,000	\$500,000
	Muskegon	Norton Shores	Lake Harbor Road Blue Pain	Hoffmesters car/pground and Main entrance drives			10' HMA bike path along the ROW	\$93,498	CM				\$93,498
	Muskegon	MATS	Small bus replacement	Arenawide			4 small replacement buses	\$400,000	CM			\$100,000	\$500,000
2018	Ottawa	CCRC	North Bank Trail	NorthCedar Drive to Leeward	1.78		Phase I Construct	\$1,145,000	TAUL			\$490,800	\$1,659,000
2018	Ottawa	CCRC	Spoonville Trail				Phase II Construct	\$624,180	TAUL			\$267,000	\$891,180
2018	Muskegon	Pioneer Resources	Bus replacement	NA	NA	transit vehicle replacement	12 medium duty bus replacement vehicles	\$925,625	5310	\$232,406	CTF		\$1,161,032
2018	Muskegon	Pioneer Resources	Expansion vehicles	NA	NA	transit vehicle replacement	6 medium duty bus replacement vehicles	\$464,810	5310	\$116,202	CTF		\$681,012
2018	Muskegon	Pioneer Resources	Bus lift station	NA	NA	Transit capital	Bus lift station	\$23,200	5310	\$5,900	CTF		\$29,000
2018	Muskegon	M/CRC	Fred Major Berry Junction trail			Phase II	Fred Major Berry Junction trail	\$1,600,000	TAUL			\$400,000	\$2,000,000
2020	Muskegon	Montague	Cook Street	Hunt St to Elias Rd			Czech & Strape w/ partial reconstruct	\$290,000	STFU				
2020	Muskegon	Montague	Sutton Blvd	Marz to Cook St			Mill & Fill	\$125,000	STFU				
2018	Muskegon	City of Muskegon Heights	Hedley Street		0.43	Reurfine		\$192,185	STFU	\$0		\$45,546	\$227,732
2018	Muskegon	City of Muskegon Heights	Hedley Street		0.30	Reurfine		\$136,639	STFU	\$0		\$37,160	\$167,779
2018	Muskegon	City of Muskegon	Beacon Street C&I	Lakemore Drive to Beacon Street C&I	0.90	Reurfine		\$500,000	STFU	\$0		\$150,000	\$650,000

FY2017-2020 TIP Staff recommendations DRAFT (Illustrative Projects)

Fiscal Year	County	Agency	Project Name	Limits	Length (miles)	Primary Work Type	Project Description	Federal Cost	Federal Source	State Cost	State Source	Local Cost	Total Cost
2018	Muskegon	City of Muskegon	Black Creek Road	Stemman Blvd to Lattimer	0.30	Reconstruct		\$290,000	STFU	\$0		\$79,000	\$369,000
2019	Muskegon	City of Roseville Park	Genesee Blvd	Sherman Blvd to RR Tracks	0.22	Resurface		\$180,000	STFU	\$0		\$40,000	\$220,000
2019	Muskegon	City of Muskegon	Lakeshore Drive	Beach Street to Lincoln	1.50	Reconstruct		\$1,000,000	STFU	\$0		\$576,000	\$1,576,000
2019	Muskegon	Muskegon County Road Commission	Pontiac Road	Harvey Street to Fruitport Road	2.02	Resurface		\$696,466	STFU	\$0		\$172,364	\$868,830
2019	Muskegon	City of Montague	Harlock Street	Sturidan Street to Old Charmer Trail	0.20	Reconstruct		\$205,482	STFU	\$0		\$67,020	\$272,502
2020	Muskegon	City of Norton Shores	Henry Roadway Resurfacing	Porter Road to Pontiac Road	2.40	Resurface existing 2 lane HMA, includes paved shoulders in both directions		\$920,000	STFU	\$0		\$230,000	\$1,150,000
2020	Muskegon	City of Norton Shores	Lake Harbor Road Resurfacing (Final project)	Porter Road to Semrock Road	2.10	Resurface existing 2 lane HMA, with paved shoulder in both directions		\$970,640	STFU	\$0		\$277,660	\$1,098,300
2020	Muskegon	City of Norton Shores	Lake Harbor Road Resurfacing (Phase 2)	Porter Road to Pontiac Road	2.10	Resurface existing 2 lane HMA, with paved shoulder in both directions		\$976,600	STFU	\$0		\$279,200	\$1,095,800
2020	Muskegon	City of Muskegon Heights	Broadway Avenue	9th Street to Peck Street	0.20	Resurface		\$91,000	STFU	\$0		\$20,773	\$111,986
2020	Muskegon	City of Muskegon Heights	Broadway Avenue	Grade Street to 8th Street	0.40	Resurface		\$162,166	STFU	\$0		\$45,139	\$227,325
2020	Muskegon	City of Muskegon	Lakeshore Drive	Lincoln to Lakeside Avenue	1.20	Reconstruct		\$1,000,000	STFU	\$0		\$300,000	\$1,300,000
2020	Muskegon	Muskegon County Road Commission	Broadway Avenue	US 31 to Black Creek Road	0.88	Resurface		\$172,000	STFU	\$0		\$43,000	\$215,000
2020	Muskegon	Muskegon County Road Commission	Cies Road	Soone Drive to Buys Road	3.02	Reconstruct, add center turn lane		\$624,000	STFU	\$0		\$166,000	\$790,000
2020	Muskegon	City of Montague	Cook Street	Hurt St. to Elvers Rd		Crush & Shape w/ partial reconstruction		\$280,000	STFU	\$0		\$70,000	\$350,000
2020	Muskegon	City of Montague	Stanton Blvd	Dacey St. to Cook St		Mill & Fill		\$125,000	STFU	\$0		\$31,250	\$156,250
2020	Ottawa	City of Grand Haven	Harbor Drive			Reconstruct		\$757,729	STFU	\$0		\$189,433	\$947,162

FY2017-2020 TIP Staff Recommendations 1/7/16 DRAFT (STUL)

Fiscal Year	County	Responsible Agency	Project Name	Limits	Length (miles)	Primary Work Type	Federal Cost	Federal Fund Source	State Cost	Local Cost	Total Cost	Comments	Total Project Cost (including non participating)	
2017	Muskegon	MCRFC	River Road	Whitehall Road to Horton Road	1.05	Reconstruct	\$311,605	STUL	\$0	\$78,000	\$389,605		\$389,605	
2017	Muskegon	Muskegon Heights	Laketon	Getty to Creston	0.75	Reconstruct	\$759,605	STUL	\$0	\$190,000	\$949,605		\$1,000,000	
2017	Muskegon	Muskegon Heights	Hackley Street	Park Street to Glade	1	Resurface	\$99,805	STUL	\$0	\$37,034	\$136,839		\$150,000	
2017	Muskegon	Norton Shores	Harvey Street	Hille to Ellis	0.5	Reconstruct	\$519,585	STUL	\$0	\$129,995	\$649,580		\$700,000	
2017	Chitawa	OCRC	174th Avenue	Van Waggoner to Wilson	1.53	Resurface	\$449,605	STUL	\$0	\$130,000	\$579,605		\$620,000	
2017	Chitawa	Spring Lake	Buchanan Street	Exchange to Liberty	0.13	Reconstruct	\$175,605	STUL	\$0	\$44,000	\$219,605		\$250,000	
							\$2,315,610							
							\$2,315,610							
							\$0							

FY2017-2020 TIP Staff recommendations 1/7/16 DRAFT (STUL)

Fiscal Year	County	Respon-sible Agency	Project Name	Limits	Length (miles)	Primary Work Type	Federal Cost	Federal Fund Source	State Cost	Local Cost	Total Cost	Comments	
2018	Chitawa	Chitawa County Road Commission	Robbins Road	Moreland Avenue to Mercury Drive	0.75	Resurface existing 30' width and restore shoulders	\$222,500	STPU	\$0	\$100,000	\$322,500	Original Fed request: \$268,000	
2018	Muskegon	City of Roosevelt Park	Broadway Avenue	Glenridge Blvd to Maple Grove Road	0.5	Resurface existing roadway, 2-12.5' lanes with 10' paved shoulder for parking on north side of road	\$220,000	STPU	\$0	\$70,000	\$290,000	Original Fed request: \$232,000	
2018	Muskegon	City of Norton Shores	Broadway Reconstruct (Phase 1)	Gelly Street to Bailey Street	0.50	Reconstruct existing 4 lane HMA	\$600,000	STPU	\$0	\$300,000	\$900,000	Original Fed request: \$610,000	
2018	Muskegon	City of Muskegon	Black Creek Road	Sherman Blvd to Lattimer	0.3	Reconstruct	\$260,000	STPU	\$0	\$76,000	\$326,000		
2018	Muskegon	Muskegon County Road Commission	Sheridan Road	Laketon to M-49 (Apple Avenue)	1	Resurface	\$325,000	STPU	\$0	\$105,000	\$430,000	Original Fed request: \$344,000	
2018	Muskegon	Muskegon County Road Commission	Shelter Road	US-31 to Sheridan Drive	1	Resurface	\$323,500	STPU	\$0	\$116,500	\$440,000	Original Fed request: \$352,000	
2018	Muskegon	Mortigue	Cook Street	Hancock St to Dowling St	0.25	Reconstruct	\$275,000	STPU	\$0	\$75,000	\$375,000	Original Fed request: \$300,000	
							Target	\$2,126,000					
							Balance	\$0					

FY2017-2020 TIP Staff recommendations 1/7/16 DRAFT (STUL)

Fiscal Year	County	Responsible Agency	Project Name	Limits	Length (miles)	Primary Work Type	Federal Cost (\$1000s)	Federal Fund Source	State Cost	Local Cost	Total Cost	Comments
2019	Ottawa	Chinawa County Road Commission	Cornstock Avenue	188th Avenue to Mercury Drive	1.94	Resurface existing 30' wide and restore shoulders	\$420,000.00	STFU	\$0	\$304,200	\$624,200	Original Fed request \$580,940
2019	Muskegon	City of Norton Shores	Barberway Reconstruction (Phase 2)	US-31 to Bailey Street	0.50	Reconstruct existing 4' lane HMA	\$450,000.00	STFU	\$0	\$350,000	\$800,000	Original Fed request \$640,000
2019	Muskegon	City of Muskegon Heights	Hackerly Street	Hoyt Street to Manz	0.30	Resurface	\$139,639	STFU	\$0	\$31,180	\$167,739	
2019	Muskegon	Muskegon County Road Commission	Giles Road	Buy's Road to Whitehall Road	2.05	Resurface, add 5' paved shoulders	\$600,000	STFU	\$0	\$105,000	\$625,000	Original Fed request \$740,000
2019	Ottawa	Village of Spring Lake	Exchange Street	Jackson Street to Elm Avenue	0.28	Resurface	200,000	STFU	\$0	\$90,000	\$390,000	Original Fed request \$613,702
2019	Ottawa	City of Grand Haven	Northshore Drive	City of Grand Haven city limits to Main Street	1.06	Reconstruct and widen road to add 10' paved shoulder on East side 2-411 James with 10' paved shoulder on east side, 3' gravel shoulder on each side	\$319,361	STFU	\$0	\$436,613	\$754,974	Original Fed request \$1,006,632
							Target	\$2,126,000				
							Balance	\$0				

FY2017-2020 TIP Staff recommendations 1/7/16 DRAFT (STUL)

Fiscal Year	County	Respon-sible Agency	Project Name	Limits	Length (miles)	Primary Work Type	Federal Cost	Federal Fund Source	State Cost	Local Cost	Total Cost	Comments	
2020	Muskegon	Village of Fruitport	Third Street	Portailuna Road to Ferk Street	0.80	Reconstruct	\$200,000	STPU	\$0	\$255,465	\$455,465	Original Fed request: \$394,372	
2020	Ottawa	Ottawa County Road Commission	Lakeshore Avenue	Rosy Mound Drive to Buchanan Street	2.70	Resurface existing 30' width and restore shoulders	\$340,000	STPU	\$0	\$891,500	\$1,201,500	Original Fed request: \$550,000	
2020	Muskegon	City of Muskegon	Lakeshore Drive	Lincoln to Lakeon Avenue	1.20	Reconstruct	\$800,000	STPU	\$0	\$500,000	\$1,300,000	Original Fed request: \$1,000,000	
2020	Muskegon	Muskegon County Road Commission	Whitehall Road	River Road to Baird Road	2.45	Reconstruct, add center turn lane	\$500,000	STPU	\$0	\$705,000	\$750,000	Original Fed request: \$600,000	
2020	Ottawa	City of Ferrysburg	North Shore Drive	North Shore Estates Road to City of Ferrysburg city limits	0.56	Reconstruct	\$286,000	STPU	\$0	\$414,000	\$700,000	Original Fed request: \$550,000	
							TARGET	\$2,128,000					
							Balance	\$0					

FY2017-2020 TIP Staff recommendations DRAFT (TRANSIT)

Fiscal Year	County	Respon-sible Agency	Project Name	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost	Local Fund Source	Local Total Cost	Total Project Cost
2017	Waskegon	MATS	OPERATE TRANSIT/PARA/TRANSIT SERVICE	\$1,000,000	5307	\$600,000		\$400,000		\$2,000,000	\$2,000,000
2017	Waskegon	MATS	SPECIALIZED SERVICES OPERATING	\$0	M/OT	\$65,489		\$0		\$65,489	\$65,489
2017	Waskegon	MATS	PREVENTIVE MAINTENANCE	\$640,000	5307	\$160,000		\$0		\$800,000	\$800,000
2017	Waskegon	MATS	MOBILITY MANAGEMENT ACTIVITIES	\$120,000	5310	\$30,000		\$0		\$150,000	\$150,000
2017	Waskegon	Pioneer Res	Two medium duty replacement buses	\$565,693	5310	\$91,472		\$467,265		\$657,265	\$657,265
2017	Waskegon	Pioneer Res	Four cutaway/replacement buses	\$202,512	5310	\$50,628		\$253,140		\$253,140	\$253,140
2017	Waskegon	Pioneer Res	JARC- Operating assistance	\$46,585	5311	\$46,585		\$0		\$93,170	\$93,170
2017	Waskegon	Pioneer Res	NF- Operating assistance	\$55,000	5310	\$55,000		\$0		\$110,000	\$110,000
2017	Waskegon	Pioneer Res	NF- Mobility Management	\$4,000	5310	\$1,000		\$0		\$5,000	\$5,000
2017	Ottawa	Harbor Transit	Operations assistance	\$515,000	5307	\$0		\$515,000		\$1,030,000	\$1,030,000
2018	Waskegon	MATS	OPERATE TRANSIT/PARA/TRANSIT SERVICE	\$1,000,000	5307	\$600,000		\$400,000		\$2,000,000	\$2,000,000
2018	Waskegon	MATS	SPECIALIZED SERVICES OPERATING	\$0	M/OT	\$65,489		\$0		\$65,489	\$65,489
2018	Waskegon	MATS	PREVENTIVE MAINTENANCE	\$640,000	5307	\$160,000		\$0		\$800,000	\$800,000
2018	Waskegon	MATS	MOBILITY MANAGEMENT ACTIVITIES	\$120,000	5310	\$30,000		\$0		\$150,000	\$150,000
2018	Waskegon	Pioneer Res	Two medium duty replacement buses	\$146,587	5310	\$36,589		\$109,998		\$182,946	\$182,946
2018	Waskegon	Pioneer Res	Two cutaway replacement buses	\$101,255	5310	\$25,314		\$75,941		\$126,570	\$126,570
2018	Waskegon	Pioneer Res	JARC- Operating assistance	\$46,585	5311	\$46,585		\$0		\$93,170	\$93,170
2018	Waskegon	Pioneer Res	NF- Operating assistance	\$55,000	5310	\$55,000		\$0		\$110,000	\$110,000
2018	Waskegon	Pioneer Res	NF- Mobility Management	\$4,000	5310	\$1,000		\$0		\$5,000	\$5,000
2018	Ottawa	Harbor Transit	Operations assistance	\$515,000	5307	\$0		\$515,000		\$1,030,000	\$1,030,000
2019	Waskegon	MATS	OPERATE TRANSIT/PARA/TRANSIT SERVICE	\$1,000,000	5307	\$600,000		\$400,000		\$2,000,000	\$2,000,000
2019	Waskegon	MATS	SPECIALIZED SERVICES OPERATING	\$0	M/OT	\$65,489		\$0		\$65,489	\$65,489
2019	Waskegon	MATS	PREVENTIVE MAINTENANCE	\$640,000	5307	\$160,000		\$0		\$800,000	\$800,000
2019	Waskegon	MATS	MOBILITY MANAGEMENT ACTIVITIES	\$120,000	5310	\$30,000		\$0		\$150,000	\$150,000
2019	Waskegon	Pioneer Res	Two accessible passenger vehicles	\$75,603	5310	\$18,900		\$56,703		\$94,503	\$94,503
2019	Waskegon	Pioneer Res	JARC- Operating assistance	\$46,585	5311	\$46,585		\$0		\$93,170	\$93,170
2019	Waskegon	Pioneer Res	NF- Operating assistance	\$55,000	5310	\$55,000		\$0		\$110,000	\$110,000
2019	Waskegon	Pioneer Res	NF- Mobility Management	\$4,000	5310	\$1,000		\$0		\$5,000	\$5,000
2019	Waskegon	AIRC	Six Passenger Vehicles	\$160,000	5310	\$40,000		\$120,000		\$200,000	\$200,000
2019	Ottawa	Harbor Transit	Operations assistance	\$515,000	5307	\$0		\$515,000		\$1,030,000	\$1,030,000
2020	Waskegon	MATS	OPERATE TRANSIT/PARA/TRANSIT SERVICE	\$1,000,000	5307	\$600,000		\$400,000		\$2,000,000	\$2,000,000
2020	Waskegon	MATS	SPECIALIZED SERVICES OPERATING	\$0	M/OT	\$65,489		\$0		\$65,489	\$65,489
2020	Waskegon	MATS	PREVENTIVE MAINTENANCE	\$640,000	5307	\$160,000		\$0		\$800,000	\$800,000
2020	Waskegon	MATS	MOBILITY MANAGEMENT ACTIVITIES	\$120,000	5310	\$30,000		\$0		\$150,000	\$150,000
2020	Waskegon	Pioneer Res	Two medium duty replacement buses	\$146,357	5310	\$36,589		\$109,768		\$182,946	\$182,946
2020	Waskegon	Pioneer Res	Two cutaway replacement buses	\$101,255	5310	\$25,314		\$75,941		\$126,570	\$126,570
2020	Waskegon	Pioneer Res	JARC- Operating assistance	\$46,585	5311	\$46,585		\$0		\$93,170	\$93,170
2020	Waskegon	Pioneer Res	NF- Operating assistance	\$55,000	5310	\$55,000		\$0		\$110,000	\$110,000
2020	Waskegon	Pioneer Res	NF- Mobility Management	\$4,000	5310	\$1,000		\$0		\$5,000	\$5,000
2020	Ottawa	Harbor Transit	Operations assistance	\$515,000	5307	\$0		\$515,000		\$1,030,000	\$1,030,000

FY2017-2020 TIP 2/4/16 DRAFT (MDOT)

Fiscal Year	County	Responsible Agency	Project Name	Limits	Length (miles)	Primary Work Type	Project Description	Phase	Federal Cost	Federal Fund Source	State Cost	Local Cost	Local Fund Source	Total Phase Cost	MDOT Job No.
2017	Washtenaw	MDOT	M-120	At Whitehall Road	0.27	Traffic operations	Extend existing two left turn lane and add another two left turn lane. Extend existing two left turn lane. 1	CON	\$913,675	CM	\$136,125	\$0		\$750,000	110896
2017	Washtenaw	MDOT	M-120	Whitehall Rd east to Mid-Michigan RR	0.70	Traffic operations	Addition of Center Left Turn Lane	CON	\$180,000	HSIP	\$20,000	\$0		\$200,000	123397
2017	Washtenaw	MDOT	M-120	Mid-Michigan RR East to Cady Street	1.20	Traffic operations	Addition of Center Left Turn Lane	PE	\$40,525	CM	\$9,075	\$0		\$50,000	123326
2017	Washtenaw	MDOT	US 31 BR	Hall Street to The White River	1.23	Resurface	HMA Resurface, HMA Reconstruction	CON	\$1,453,716	ST	\$322,357	\$19,927	CITY	\$1,796,000	51471
2017	Washtenaw	MDOT	M-120	Mid-Michigan RR east to Cady Street	1.20	Restore & rehabilitate	Rebuild	PE	\$354,411	NH	\$76,666	\$0		\$433,000	116165
2017	Washtenaw	MDOT	M-120	Whitehall Rd east to Mid-Michigan RR	0.70	Restore & rehabilitate	Rebuild	CON	\$592,595	NH	\$131,405	\$0		\$724,000	116164
2017	Washtenaw	MDOT	US 31	over the North Charnel of the Washtenaw River	1.66	Restore & rehabilitate	Partial pier replacement, joint replacement	CON	\$546,664	NH	\$120,657	\$0		\$664,221	126927
2017	Washtenaw	MDOT	Waterloo Street	At Waterloo Street		Roadside facility	M/U/Resurface	CON	\$29,469	ST	\$6,534	\$0		\$36,000	87473
2018	Washtenaw	MDOT	US 31 NB/Ramp to US 31 BR SB	US 31 NB/Ramp to US 31 BR SB	0.12	Widening - minor	Extend the deceleration ramp to the south.	PE	\$102,313	CM	\$22,667	\$0		\$125,000	126477
2019	Washtenaw	MDOT	US 31 BR	Counting Street north to Station Road	0.52	Resurface	Cold Mill and HMA Resurface	CON	\$1,394,922	ST	\$307,098	\$0		\$7,692,000	90084
2019	Washtenaw	MDOT	M-120	Mid-Michigan RR East to Cady Street	1.20	Traffic operations	Addition of Center Left Turn Lane	CON	\$762,642	CM	\$169,159	\$0		\$932,000	123326
2019	Washtenaw	MDOT	M-120	Mid-Michigan RR East to Cady Street	1.20	Traffic operations	Addition of Center Left Turn Lane	CON	\$970,000	HSIP	\$100,000	\$0		\$7,100,000	123328
2019	Washtenaw	MDOT	M-120	Mid-Michigan RR East to Cady Street	1.20	Restore & rehabilitate	Rebuild	CON	\$912,771	NH	\$180,229	\$0		\$993,000	116165
2020	Washtenaw	MDOT	US 31 NB/Ramp to US 31 BR SB	US 31 NB/Ramp to US 31 BR SB	0.12	Widening - minor	Extend the deceleration ramp to the south.	CON	\$286,475	CM	\$63,525	\$0		\$350,000	126477
2020	Washtenaw	MDOT	US 31 NB/Ramp to US 31 BR SB	US 31 NB/Ramp to US 31 BR SB	1.04	Restore & rehabilitate	Deep overlay, Substructure repair, Approach work	CON	\$1,481,000	IM	\$165,000	\$0		\$1,646,000	126928
2020	Washtenaw	MDOT	US 31	EE & WB over the Crookery Creek	1.06	Traffic operations	Addition of indirect left turn lanes	CON	\$708,000	CM	\$157,000	\$0		\$865,000	127478

FY2017-2020 TIP DRAFT (CMAQ)

Fiscal Year	County	Responsible Agency	Project Name	Limits	Project Description	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost (participant)	Local Fund Source	Total Cost	Total Project Cost (including non-participating)
2017	Madison	MA'S	OUTREACH AND MARKETING	Area-wide	Contract travel and marketing activities	\$157,244	CMAQ	\$40,306		\$0		\$48,680	\$48,680
2017	Madison	MA'S	HEAVY DUTY BUS REPLACEMENT	Area-wide	Heavy duty bus replacement	\$350,000	CMAQ	\$67,500		\$0		\$67,500	\$67,500
2017	Cherokee	Palmer Transit	Outreach and Marketing	Area-wide	Contract travel and marketing activities	\$32,000	CMAQ	\$67,500		\$0		\$40,000	\$50,000
2017	Madison	Kenton Shires	Intersection Improvements	Area-wide	Intersection Configuration for Turn movements	\$159,420	CMAQ	\$67,000	OTF	\$34,580		\$172,420	\$172,420
2017	Madison	WMSRCC	Outreach and Marketing	Area-wide	Promotional Marketing of tour/day household transportation activities that will reduce air pollution	\$100,000	CMAQ	\$0		\$26,000		\$126,000	\$126,000
						\$859,104							
2018	Madison	MA'S	TRANSIT FACILITY CONSTRUCTION										
2018	Cherokee	Palmer Transit	Outreach and Marketing	Area-wide	Contract travel and marketing activities	\$30,000	CMAQ	\$67,500		\$0		\$48,750	\$48,750
2018	Cherokee	Palmer Transit	Full replacement Grand Overheadberg	Area-wide	Full acquisition of Grand Overheadberg	\$248,000	CMAQ	\$0		\$60,000		\$310,000	\$310,000
2018	Madison	Kenton Shires	Intersection Traffic Signal	Area-wide	Intersection traffic signal	\$17,926	CMAQ	\$0		\$0		\$17,926	\$17,926
2018	Madison	City of Madison	Initial signal installation of loop detectors and intersection with signal at Back Creek/Sherman	Area-wide	Initial signal installation of loop detectors and intersection with signal at Back Creek/Sherman	\$60,000	CMAQ	\$0		\$20,000		\$100,000	\$100,000
2018	Madison	WMSRCC	Outreach and Marketing	Area-wide	Promotional Marketing of Voluntary household transportation activities that will reduce air pollution	\$93,178	CMAQ	\$0		\$23,204		\$116,472	\$116,472
						\$859,104							
2019	Madison	MA'S	HEAVY DUTY BUS REPLACEMENT	Area-wide	Contract travel and marketing activities	\$350,000	CMAQ	\$67,500		\$0		\$48,750	\$48,750
2019	Madison	MA'S	OUTREACH AND MARKETING	Area-wide	Contract travel and marketing activities	\$50,000	CMAQ	\$72,500		\$0		\$49,500	\$49,500
2019	Cherokee	Palmer Transit	Outreach and Marketing	Area-wide	Contract travel and marketing activities	\$20,000	CMAQ	\$0		\$0		\$20,000	\$20,000
2019	Cherokee	Palmer Transit	Full replacement Grand Overheadberg	Area-wide	Full replacement Grand Overheadberg	\$250,000	CMAQ	\$0		\$65,000		\$315,000	\$315,000
2019	Madison	WMSRCC	Outreach and Marketing	Area-wide	Promotional Marketing of tour/day household transportation activities that will reduce air pollution	\$83,104	CMAQ	\$0		\$20,776		\$103,880	\$103,880
2019	Madison	City of Madison	Signal Recall	Area-wide	Initial signal recall	\$60,000	CMAQ	\$0		\$40,000		\$100,000	\$100,000
						\$859,104							
2020	Madison	MA'S	OUTREACH AND MARKETING	Area-wide	Contract travel and marketing activities	\$40,000	CMAQ	\$20,000		\$0		\$100,000	\$100,000
2020	Madison	MA'S	HEAVY DUTY BUS REPLACEMENT	Area-wide	Contract travel and marketing activities	\$350,000	CMAQ	\$67,500		\$0		\$48,750	\$48,750
2020	Cherokee	Palmer Transit	Outreach and Marketing	Area-wide	Contract travel and marketing activities	\$20,000	CMAQ	\$0		\$0		\$20,000	\$20,000
2020	Cherokee	Palmer Transit	Outreach and Marketing	Area-wide	Promotional Marketing of Voluntary household transportation activities that will reduce air pollution	\$24,104	CMAQ	\$0		\$8,216		\$31,380	\$31,380
2020	Madison	WMSRCC	Outreach and Marketing	Area-wide	Contract travel and marketing activities	\$100,000	CMAQ	\$0		\$26,000		\$126,000	\$126,000
						\$859,104							

ATTACHMENT II

WestPlan FY2014-2017 TIP Amendment M

City of Montague- 2017 (TEDF)

Add Project- (2 Sections, will be done as one project)

- 1) Wilcox Street from Whitbeck to Scharmer
- 2) Industrial Park Drive from Whitbeck to Cook Street

Resurface, Federal: \$375,000 State: \$0 Local: \$125,000 Total: \$500,000

Pioneer Resources- 2016 (5310) (5311)

Add Project- (4) Replacement Vehicles- Cutaway buses- Federal: \$206,868 State \$52,217 Local \$0 Total \$261,085 (5310) (Added from Illustrative list)

Add Project- Bus Lift Station- Federal: \$23,000 State \$6,000 Local \$0 Total \$29,000 (5310) (Added from Illustrative list)

Add Project- JARC (Operating) - Federal: \$47,000 State \$47,000 Local \$0 Total \$94,000 (5311)

Add Project- Mobility Management (Capital) - Federal: \$4,000 State \$1,000 Local \$0 Total \$5,000 (5310)

Add Project- Mobility Management (Operating) - Federal: \$55,000 State \$0 Local \$55,000 Total \$110,000 (5310)

Pioneer Resources- 2017 (5310) (These projects were previously approved on the FY2017-2020 Transit list on 2-17-16 (Policy))

Change Project- Five medium replacement buses will be changed to “Seven medium replacement buses”, the original funding amounts of: Federal: \$365,893 State: \$91,472 Local: \$0 Total: \$457,365 will be replaced with the following: Federal: \$592,060 State: \$148,015 Local: \$0 Total: \$740,075 (This change will be reflected in both the FY2014-2017 TIP and the new FY2017-2020 TIP Project list)

Remove Project: Four cutaway buses- Federal: \$202,512 State: \$50,628 Local: \$0 Total: \$253,140

Add Project- Administrative Vehicle- Federal: \$32,000 State: \$8,000 Local: \$0 Total: \$40,000

MDOT- Add GPA's - See pages 16 & 17

GPA Projects

Year	County	Agency	Project Name	Length	Priority/Work Type	Project Description	Phase	Advance Contract (\$1000)	Federal Fund Source (\$1000)	State Fund Source (\$1000)	Local Fund Source (\$1000)	Total Cost (\$1000)	MOU/Task No.	Local ID No.	MOU Approval Date	Approval Type	Approval Authority	Comments	Total Project Cost (\$1000)	Local Match (\$1000)	Federal Approval Date	Capital Cost (\$1000)	Amount Obligated (\$1000)	Let Date	Local Agency
2016	MUSKOGEE	Muskogee County	Redeemer Road	1.21 Miles	Bridge - other	Preventative maintenance	CON	121	121	0	0	121	12000						121	0		0	\$0	02/02/18	Local Bridge
2016	OTTAWA	Ottawa County	Green Street	0.079 Miles	Bridge - other	Preventative Maintenance	CON	23	714 BHT	134	46	883	12812						883	0		0	\$0	02/08/16	Local Bridge
2016	OTTAWA	Muskogee County	Spokane Trail	0.02 Miles	Bridge - other	Contract Spokane Trail, Phase 1	CON	0	672 TA	0	270	968	12868		11/16/15	Add			939	0	1/21/16	0	\$249,935	01/08/16	Local Highway, Bridge and Reconstruction
2016	MUSKOGEE	Muskogee County	Greenleaf Rd	0.02 Miles	Bridge - other	Preventative maintenance	CON	0	97 HSP	0	50	668	127408						668	0		0	\$657,624	02/01/16	Local Traffic Operations and Safety
2016	KENT	Kent County	McKoy Ave NW	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	103 HSP	0	0	26	128	127382						128	0		0	\$0	06/06/16	Local Traffic Operations and Safety
2016	MUSKOGEE	Muskogee County	Headley Avenue	0.02 Miles	Bridge - other	Upgrade existing signal and add left-turn lane	CON	286	578	28	0	275	128379						275	0		0	\$0	02/23/16	Local Traffic Operations and Safety
2016	MUSKOGEE	Muskogee County	Sherman Blvd	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	220	0	0	0	220	128957						220	0		0	\$0	10/09/15	Local Traffic Operations and Safety
2016	MUSKOGEE	Muskogee County	Whitaker Road	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	1,891	744	0	416	2,077	128947						2,077	0		0	\$0	04/01/16	Local Transportation Liability and Sustainability
2016	OTTAWA	Keaton Shores	12th Ave	0.274 Miles	Bridge - other	Construction of concrete non-motorized pathway	CON	87	0	0	22	109	128680						109	0		0	\$0	02/04/16	Local Transportation Liability and Sustainability
2016	MUSKOGEE	Muskogee County	Zeller Road	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	326	0	0	84	410	127729						410	0		0	\$411,489	04/01/16	Local Traffic Force
2016	OTTAWA	MOOT	488 WB	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	123	0	14	0	138	128628						138	0		0	\$138,469	12/08/15	Local Traffic Operations and Safety
2016	OTTAWA	MOOT	488 WB	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	83	0	0	0	83	128628						83	0		0	\$82,577	12/08/15	Local Traffic Operations and Safety
2016	MUSKOGEE	MOOT	US-31 SB	11.397 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	10	0	0	0	28	128695		11/16/15	Add			428	0	1/21/16	0	\$20,800	01/13/17	Local Highway Preservation
2016	OTTAWA	MOOT	Arasida	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	426	0	100	0	544	127497						544	0		0	\$0	01/01/16	Local Transportation Liability and Sustainability
2016	MUSKOGEE	MOOT	Shelburne Drive	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	17	0	2	0	19	128628						19	0		0	\$0	02/23/16	Local Traffic Operations and Safety
2016	MUSKOGEE	MOOT	US-31	0.02 Miles	Bridge - other	Upgrade signal to 4-phase, ADA, countdown	CON	644	0	140	86	872	110639						1,236	0		0	\$272,063	01/08/16	Local Traffic Operations and Safety

FY 2016 Muskegon GPA

Fiscal Year	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Advance Construct	Federal Cost (\$1000s)	Federal Fund Source	State Cost (\$1000s)	State Fund Source	Local Cost (\$1000s)	Local Fund Source	Total Phase Cost (\$1000s)	MDOT Job No.	Local ID No.	MPU/Rural Action Date	Amendment Type	Alt Quality	Comments	Total Project Cost (\$1000s)
2016		MDOT	Trunkline Highway Preservation	Regionwide		GPA	Trunkline Highway Preservation			16	ST	4	M	0		20					NA		20
2016		MDOT	Trunkline Liability and Sustainability	Regionwide		GPA	Trunkline Transportation Liability and Sustainability			435	TA	109	M	0		544					NA		544
2016		MDOT	Trunkline Traffic Operations or Safety	Regionwide		GPA	Trunkline Traffic Operations and Safety			661	ST	145	M	85	OLF	891					NA		891
2016		MDOT	Trunkline Bridge 3K	Regionwide		GPA	Trunkline Bridge 3K			206	ST	23	M	0		229					NA		229
2016			Local Bridge	Regionwide		GPA	Local Bridge			836	BRGO	137	M	52	OLF	1,015					NA		1,015
2016			Transportation Liability and Sustainability	Regionwide		GPA	Local Liability and Sustainability			1,748	TA	0		437	OLF	2,186					NA		2,186
2016			Local Traffic Operations and Sustainability	Regionwide		GPA	Local Traffic Operations and Safety			668	ST	28	M	387	OLF	1,282					NA		1,282
2016			Local Highway Rehabilitation and Reconstruct	Regionwide		GPA	Local Highway Rehab and Reconstruct			672	ST	0		278	OLF	950					NA		950
2016			Rural Task Force	Regionwide		GPA	Rural Task Force			336	ST	0		84	OLF	419					NA		419