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**MEETING NOTICE**

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There will be a Transportation Technical Committee meeting held on:

**DATE:** Thursday, February 4, 2016

**TIME:** 1:30 p.m.

**PLACE:** *WMSRDC Offices- 3<sup>rd</sup> 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

316 Morris Avenue - Suite 340 - Muskegon, MI 49443-0387  
Telephone: 231/722-7878 - Fax: 231/722-9362  
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## **TRANSPORTATION TECHNICAL COMMITTEE**

### **AGENDA**

February 4, 2016

- I. CALL TO ORDER
- II. APPROVAL OF THE PREVIOUS MINUTES (NOVEMBER 5, 2015) - **(ATTACHMENT I) ACTION**
- III. PUBLIC COMMENT
- IV. ELECTION OF OFFICERS **(ACTION)**
- V. TRANSPORTATION IMPROVEMENT PROGRAM  
FY2014-2017 TIP
  - FY2014-2017 TIP- AMENDMENT L- **(ATTACHMENT II) ACTION**
  - FY2017-2020 TIP PROJECT LIST- **(ATTACHMENT III) ACTION**
- VI. MPO ROUNDTABLE-
  - NEW BUSINESS
- VII. OLD BUSINESS
- VIII. PUBLIC COMMENT
- IX. ADJOURNMENT

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# ATTACHMENT I

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

### MEETING MINUTES

November 5, 2015

West Michigan Shoreline Regional Development Commission, 3<sup>rd</sup> Floor  
Muskegon, Michigan

**Members Present:** Paul Bouman, MCRC (Chairperson)  
Jim Murphy, City of Norton Shores  
Matt Farrar, Muskegon Urban Townships  
Marjorie Stonecypher, Village of Fruitport  
David Geyer, City of Roosevelt Park  
James Gardner, City of Muskegon Heights  
Scott Beishuizen, City of Montague  
Brian Armstrong, City of Whitehall  
John Nash, Spring Lake Township  
Craig Bessinger, City of Ferrysburg  
John Lanum, MDOT  
Rachael Tupica, FHWA  
Brett Laughlin, OCRC  
Tom Manderscheid, Harbor Transit  
Mohammed Al-Shatel, City of Muskegon

**Members Absent:** Randy Phillips, City of North Muskegon  
Roger Belknap, Village of Spring Lake  
James Koens, MATS  
William Hunter, City of Grand Haven

**Others Present:** Tim Terry, MDOT Muskegon TSC  
Peter Bosheff, Village of Fruitport  
Alyson Mabie, City of Ferrysburg (Intern)

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

#### **1. CALL TO ORDER**

Mr. Paul Bouman called the meeting to order at 1:34 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 Manderscheid/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. 2014-2017 TIP AMENDMENT K** - Mr. Brian Mulnix spoke on the proposed Amendment K to the 2014 – 2017 TIP. The following list was discussed:

#### **MDOT- 2016**

1. Cost Increase- Job #118878- US31 under Pontaluna Road, Bridge preservation. Construction phase to be increased by \$300,000.

Originally approved at Federal: \$723,000 State: \$177,000 Total: \$900,000

Requested Change: Federal: \$960,000 State: \$240,000 Total: \$1,200,000

2. Add project to GPA list: JN 122635: US-31 from C&O RR to Fruitvale Road, CPM, PE Phase (\$20,000)

3. Add project to GPA list: JN 123308: Car Pool Parking Lot

a. B Phase is to purchase property in Fruitport \$50,000

b. C Phase is to design construction for this lot \$50,000

#### **MATS- 2016**

1. Cost Increase- Transit/Paratransit Service project, Transit operations, increase total project cost by \$1,145,796- Additional funding will come from FTA section 5307 funds that were allocated to MATS at the end of FY2015, but will not be obligated until FY2016.

Originally programmed in FY2016 at: Federal: \$1,300,000 State: \$780,000 Local: \$520,000 Total: \$2,600,000

Requested Change: Federal: \$1,872,898 State: \$1,123,739 Local: \$749,159 Total: \$3,745,796

#### **MCRC-**

Year Change- 2015 moving to 2016---Illustrative list- Fred Meijer Berry Junction Trail Phase II

#### **OCRC- 2016**

**Add New Project-** Spoonville Trail-Phase I- 1.78 mile trail from the future Grand River Greenway in Robinson Twp., to Leonard Road in Crockery Twp. Federal: \$672,180 Local: \$267,000 Total: \$939,180

**Harbor Transit- 2016**

**Cost Change** (increase) FY2016 Operating Assistance, Federal \$345,000.00 change to Federal \$515,000

A motion was made to recommend the changes to the Policy Committee. Motion approved. *M/S Al-Shatel/Manderscheid*

**5. 2014 – 2017 TIP/ 2017 – 2020 TIP Development** – Mr. Brian Mulnix spoke on the next TIP development cycle. The question was raised on what criteria would be used for project selection. Technical Committee members were advised to review the Goals and Objectives section of the Long Range Transportation Plan.

A question was also raised regarding which projects are currently in the Illustrative List. Mr. Brian Mulnix responded that he would send a list out to the committee members.

**6. UNFINISHED BUSINESS** – No old business was discussed.

**7. MPO ROUNDTABLE**

- Mr. John Lanum responded to questions regarding State of Michigan Transportation funding legislation.
- Mr. Roger Belknap gave an update on the new bridge and new striping on M-104.

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

**9. ADJOURN-** Meeting adjourned at 2:05 p.m.

## **ATTACHMENT II**

### **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 (STUL)

### **ATTACHMENT III**

Please see the separate attachment that was emailed with the packet. The attachment includes the FY2017-2020 TIP Project list that was agreed upon by this committee, as well as the FY2017-2020 CMAQ, Transit, MDOT, and the Illustrative list of projects. All of these lists will need to be acted on and approved as the official project list of the FY2017-2020 TIP. The FY2017 Project list will remain the same for the FY2014-2017 and the FY2017-2020 TIP.

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

<b>Fiscal Year</b>	<b>County</b>	<b>Respon- sible Agency</b>	<b>Project Name</b>	<b>Limits</b>	<b>Length (miles)</b>	<b>Primary Work Type</b>	<b>Federal Cost</b>	<b>Federal Fund Source</b>	<b>State Cost</b>	<b>Local Cost</b>	<b>Total Cost</b>	<b>Comments</b>	<b>Total Project Cost (including non participating)</b>
2017	Muskegon	MCRC	River Road	Whitehall Road to Horton Road	1.05	Reconstruct	\$311,605	STUL	\$0	\$78,000	\$389,605		\$389,605
2017	Muskegon	Muskegon	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	\$99,605	STUL	\$0	\$37,034	\$136,639		\$150,000
2017	Muskegon	Norton Shores	Harvey Street	Hile to Ellis	0.5	Reconstruct	\$519,585	STUL	\$0	\$129,995	\$649,580		\$700,000
2017	Ottawa	OCRC	174th Avenue	Van Wagoner to Wilson	1.53	Resurface	\$449,605	STUL	\$0	\$130,000	\$579,605		\$620,000
2017	Ottawa	Spring Lake	Buchanan Street	Exchange to Liberty	0.13	Reconstruct	\$175,605	STUL	\$0	\$44,000	\$219,605		\$250,000
							<b>\$2,315,610</b>						
							<b>Target</b>						
							<b>\$2,315,610</b>						
							<b>Balance</b>						
							<b>\$0</b>						

**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	Ottawa	Ottawa 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: \$258,000
2018	Muskegon	City of Roosevelt Park	Broadway Avenue	Glenside 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)	Getty Street to Bailey Street	0.50	Reconstruct existing 4 lane HMA	\$500,000	STPU	\$0	\$300,000	\$800,000	Original Fed request: \$640,000
2018	Muskegon	City of Muskegon	Black Creek Road	Sherman Blvd. to Latimer	0.3	Reconstruct	\$260,000	STPU	\$0	\$75,000	\$325,000	
2018	Muskegon	Muskegon County Road Commission	Sheridan Road	Laketon to M-46 (Apple Avenue)	1	Resurface	\$325,000	STPU	\$0	\$105,000	\$430,000	Original Fed request: \$344,000
2018	Muskegon	Muskegon County Road Commission	Shetler Road	US-31 to Sheridan Drive	1	Resurface	\$323,500	STPU	\$0	\$116,500	\$440,000	Original Fed request: \$352,000
2018	Muskegon	Montague	Cook Street	Hancock St to Dowling St.	0.25	Reconstruct	\$275,000	STPU	\$0	\$75,000	\$375,000	Original Fed request: \$300,000
							\$2,126,000					
					<b>Target</b>		<b>\$2,126,000</b>					
					<b>Balance</b>		<b>\$0</b>					

**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 (\$1000s)	Federal Fund Source	State Cost	Local Cost	Total Cost	Comments	
2019	Ottawa	Ottawa County Road Commission	Comstock Avenue	168th Avenue to Mercury Drive	0.75	Resurface existing 30' width and restore shoulders	\$420,000.00	STPU	\$0	\$334,200	\$834,200	Original Fed request: \$583,940	
2019	Muskegon	City of Norton Shores	Broadway Reconstruction (Phase 2)	US-31 to Bailey Street	0.50	Reconstruct existing 4 lane HMA	\$450,000.00	STPU	\$0	\$350,000	\$800,000	Original Fed request: \$640,000	
2019	Muskegon	City of Muskegon Heights	Hackley Street	Hoyt Street to Manz	0.30	Resurface	\$136,639	STPU	\$0	\$31,160	\$167,799		
2019	Muskegon	Muskegon County Road Commission	Giles Road	Buys Road to Whitehall Road	2.05	Resurface, add 5' paved shoulders	\$600,000	STPU	\$0	\$105,000	\$925,000	Original Fed request: \$740,000	
2019	Ottawa	Village of Spring Lake	Exchange Street	Jackson Street to Elm Avenue	0.28	Resurface	200,000	STPU	\$0	\$90,000	\$390,000	Original Fed request: \$613,762	
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. 2-11' lanes with 10' paved shoulder on east side, 3' gravel shoulder on each side.	\$319,361	STPU	\$0	\$435,613	\$754,974	Original Fed request: \$1,006,632	
							<b>\$2,126,000</b>						
							<b>Target</b>						
							<b>Balance</b>						
							<b>\$2,126,000</b>						
							<b>\$0</b>						

**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	Pontaluna Road to Park Street	0.80	Reconstruct	\$200,000	STPU	\$0	\$255,465	\$455,465	Original Fed request: \$364,372
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	\$861,500	\$1,201,500	Original Fed request: \$550,000
2020	Muskegon	City of Muskegon	Lakeshore Drive	Lincoln to Laketon 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 Bard Road	2.15	Reconstruct, add center turn lane	\$500,000	STPU	\$0	\$105,000	\$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: \$560,000
							<b>\$2,126,000</b>					
							<b>Target</b>					
							<b>\$2,126,000</b>					
							Balance					
							\$0					

**FY2017-2020 TIP Staff recommendations DRAFT (TRANSIT)**

<b>Fiscal Year</b>	<b>County</b>	<b>Respon-sible Agency</b>	<b>Project Name</b>	<b>Federal Cost</b>	<b>Federal Fund Source</b>	<b>State Cost</b>	<b>State Fund Source</b>	<b>Local Cost</b>	<b>Local Fund Source</b>	<b>Total Cost</b>	<b>Total Project Cost</b>
2017	Muskegon	MATS	OPERATE TRANSIT/PARATRANSIT SERVICE	\$1,000,000	5307	\$600,000		\$400,000		\$2,000,000	\$2,000,000
2017	Muskegon	MATS	SPECIALIZED SERVICES OPERATING	\$0	MDOT	\$65,499		\$0		\$65,499	\$65,499
2017	Muskegon	MATS	PREVENTIVE MAINTENANCE	\$640,000	5307	\$160,000		\$0		\$800,000	\$800,000
2017	Muskegon	MATS	MOBILITY MANAGEMENT ACTIVITIES	\$120,000	5310	\$30,000		\$0		\$150,000	\$150,000
2017	Muskegon	Pioneer Res	Five medium duty replacement buses	\$365,893	5310	\$91,472				\$457,365	\$457,365
2017	Muskegon	Pioneer Res	Four cutaway replacement buses	\$202,512	5310	\$50,628				\$253,140	\$253,140
2017	Muskegon	Pioneer Res	JARC- Operating assistance	\$46,585	5311	\$46,585				\$93,170	\$93,170
2017	Muskegon	Pioneer Res	NF- Operating assistance	\$55,000	5310	\$55,000				\$110,000	\$110,000
2017	Muskegon	Pioneer Res	NF- Mobility Management	\$4,000	5310	\$1,000				\$5,000	\$5,000
2017	Ottawa	Harbor Transit	Operations assistance	\$515,000	5307	\$0		\$515,000		\$1,030,000	\$1,030,000
2018	Muskegon	MATS	OPERATE TRANSIT/PARATRANSIT SERVICE	\$1,000,000	5307	\$600,000		\$400,000		\$2,000,000	\$2,000,000
2018	Muskegon	MATS	SPECIALIZED SERVICES OPERATING	\$0	MDOT	\$65,499		\$0		\$65,499	\$65,499
2018	Muskegon	MATS	PREVENTIVE MAINTENANCE	\$640,000	5307	\$160,000		\$0		\$800,000	\$800,000
2018	Muskegon	MATS	MOBILITY MANAGEMENT ACTIVITIES	\$120,000	5310	\$30,000		\$0		\$150,000	\$150,000
2018	Muskegon	Pioneer Res	Two medium duty replacement buses	\$146,357	5310	\$36,589				\$182,946	\$182,946
2018	Muskegon	Pioneer Res	Two cutaway replacement buses	\$101,256	5310	\$25,314				\$126,570	\$126,570
2018	Muskegon	Pioneer Res	JARC- Operating assistance	\$46,585	5311	\$46,585				\$93,170	\$93,170
2018	Muskegon	Pioneer Res	NF- Operating assistance	\$55,000	5310	\$55,000				\$110,000	\$110,000
2018	Muskegon	Pioneer Res	NF- Mobility Management	\$4,000	5310	\$1,000				\$5,000	\$5,000
2018	Ottawa	Harbor Transit	Operations assistance	\$515,000	5307	\$0		\$515,000		\$1,030,000	\$1,030,000
2019	Muskegon	MATS	OPERATE TRANSIT/PARATRANSIT SERVICE	\$1,000,000	5307	\$600,000		\$400,000		\$2,000,000	\$2,000,000
2019	Muskegon	MATS	SPECIALIZED SERVICES OPERATING	\$0	MDOT	\$65,499		\$0		\$65,499	\$65,499
2019	Muskegon	MATS	PREVENTIVE MAINTENANCE	\$640,000	5307	\$160,000		\$0		\$800,000	\$800,000
2019	Muskegon	MATS	MOBILITY MANAGEMENT ACTIVITIES	\$120,000	5310	\$30,000		\$0		\$150,000	\$150,000
2019	Muskegon	Pioneer Res	Two accessible passenger vehicles	\$75,603	5310	\$18,900				\$94,503	\$94,503
2019	Muskegon	Pioneer Res	JARC- Operating assistance	\$46,585	5311	\$46,585				\$93,170	\$93,170
2019	Muskegon	Pioneer Res	NF- Operating assistance	\$55,000	5310	\$55,000				\$110,000	\$110,000
2019	Muskegon	Pioneer Res	NF- Mobility Management	\$4,000	5310	\$1,000				\$5,000	\$5,000
2019	Muskegon	ARC	Six Passenger Vehicles	\$160,000	5310	\$40,000				\$200,000	\$200,000
2019	Ottawa	Harbor Transit	Operations assistance	\$515,000	5307	\$0		\$515,000		\$1,030,000	\$1,030,000
2020	Muskegon	MATS	OPERATE TRANSIT/PARATRANSIT SERVICE	\$1,000,000	5307	\$600,000		\$400,000		\$2,000,000	\$2,000,000
2020	Muskegon	MATS	SPECIALIZED SERVICES OPERATING	\$0	MDOT	\$65,499		\$0		\$65,499	\$65,499
2020	Muskegon	MATS	PREVENTIVE MAINTENANCE	\$640,000	5307	\$160,000		\$0		\$800,000	\$800,000
2020	Muskegon	MATS	MOBILITY MANAGEMENT ACTIVITIES	\$120,000	5310	\$30,000		\$0		\$150,000	\$150,000
2020	Muskegon	Pioneer Res	Two medium duty replacement buses	\$146,357	5310	\$36,589				\$182,946	\$182,946
2020	Muskegon	Pioneer Res	Two cutaway replacement buses	\$101,256	5310	\$25,314				\$126,570	\$126,570
2020	Muskegon	Pioneer Res	JARC- Operating assistance	\$46,585	5311	\$46,585				\$93,170	\$93,170
2020	Muskegon	Pioneer Res	NF- Operating assistance	\$55,000	5310	\$55,000				\$110,000	\$110,000
2020	Muskegon	Pioneer Res	NF- Mobility Management	\$4,000	5310	\$1,000				\$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	Muskegon	MDOT	M-120	At Whitehall Road	0.27	Traffic ops/safety	Extend existing wb left turn lane and add another wb left turn lane. Extend existing nb left turn lane. □	CON	\$613,875	CM	\$136,125	\$0		\$750,000	110686
2017	Muskegon	MDOT	M-120	Whitehall Rd east to Mid-Michigan RR	0.70	Traffic ops/safety	Addition of Center Left Turn Lane	CON	\$180,000	HSIP	\$20,000	\$0		\$200,000	123327
2017	Muskegon	MDOT	M-120	Mid-Michigan RR East to Getty Street	1.20	Traffic ops/safety	Addition of Center Left Turn Lane	PE	\$40,925	CM	\$9,075	\$0		\$50,000	123326
2017	Muskegon	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	Muskegon	MDOT	M-120	Mid-Michigan RR east to Getty Street	1.20	Restore & rehabilitate	Rubblize	PE	\$354,411	NH	\$78,589	\$0		\$433,000	118165
2017	Muskegon	MDOT	M-120	Whitehall Rd east to Mid-Michigan RR	0.70	Restore & rehabilitate	Rubblize	CON	\$592,595	NH	\$131,405	\$0		\$724,000	118164
2017	Muskegon	MDOT	US-31	over the North Channel of the Muskegon River	1.68	Restore & rehabilitate	Partial pier replacement, joint replacement	CON	\$543,664	NH	\$120,557	\$0		\$664,221	126927
2017	Muskegon	MDOT	Waterloo Street	At Waterloo Street		Roadside facility	Mill/Resurface	CON	\$29,466	ST	\$6,534	\$0		\$36,000	87473
2018	Muskegon	MDOT	US 31/S BR US 31	US-31 NB Ramp to US-31 BR SB	0.12	Widen - minor	Extend the deceleration ramp to the south.	PE	\$102,313	CM	\$22,687	\$0		\$125,000	126477
2019	Muskegon	MDOT	US-31 BR	Dowling Street north to Stanton Road	0.52	Resurface	Cold Mill and HMA Resurface	CON	\$1,384,902	ST	\$307,098	\$0		\$1,692,000	90084
2019	Muskegon	MDOT	M-120	Mid-Michigan RR East to Getty Street	1.20	Traffic ops/safety	Addition of Center Left Turn Lane	CON	\$762,842	CM	\$169,158	\$0		\$932,000	123326
2019	Muskegon	MDOT	M-120	Mid-Michigan RR East to Getty Street	1.20	Traffic ops/safety	Addition of Center Left Turn Lane	CON	\$900,000	HSIP	\$100,000	\$0		\$1,000,000	123328
2019	Muskegon	MDOT	M-120	Mid-Michigan RR east to Getty Street	1.20	Restore & rehabilitate	Rubblize	CON	\$812,771	NH	\$180,229	\$0		\$993,000	118165
2020	Muskegon	MDOT	US 31/S BR US 31 RAMP	US-31 NB Ramp to US-31 BR SB	0.12	Widen - minor	Extend the deceleration ramp to the south.	CON	\$286,475	CM	\$63,525	\$0		\$350,000	126477
2020	Ottawa	MDOT	I-96 WB	EB & WB over the Crockery Creek	1.04	Restore & rehabilitate	Deep overlay, Substructure repair, Approach work	CON	\$1,481,000	IM	\$165,000	\$0		\$1,646,000	126928
2020	Ottawa	MDOT	US-31	At Pierce Street, Winans Street and 158th Avenue	1.05	Traffic ops/safety	Addition of indirect left turn lanes	CON	\$708,000	CM	\$157,000	\$0		\$865,000	127478

**FY2017-2020 TIP DRAFT (CMAQ)**

Fiscal Year	County	Respon-sible Agency	Project Name	Limits	Project Description	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost (participating)	Local Fund Source	Total Cost	Total Project Cost (Including non-participating)
2017	Muskegon	MATS	OUTREACH AND MARKETING	Areawide	Conduct transit and marketing activities	\$130,000	CMAQ	\$32,500		\$0		\$162,500	
2017	Muskegon	MATS	HEAVY DUTY BUS REPLACEMENT	Areawide	Heavy duty bus replacement	\$390,000	CMAQ	\$97,500		\$0		\$487,500	
2017	Muskegon	MATS	TRANSIT FACILITY	Areawide		\$67,584	CMAQ	\$16,896		\$0		\$84,480	\$84,480
2017	Ottawa	Harbor Transit	Outreach and Marketing	Areawide	Conduct transit and marketing activities	\$32,000	CMAQ	\$8,000	CTF			\$40,000	\$50,000
2017	Muskegon	Norton Shores	Intersection improvements	Sternberg/Martin/Porter	Intersection Configuration for Turn movements	\$139,520	CMAQ	\$0		\$34,880		\$174,400	\$174,400
2017	Muskegon	WMSRDC	Outreach and Marketing	Areawide	Promotion and Marketing of Voluntary household and transportation activities that will reduce air pollution	\$100,000	CMAQ	\$0		\$25,000		\$125,000	\$125,000
						<b>\$859,104</b>							
2018	Muskegon	MATS	OUTREACH AND MARKETING		Conduct transit and marketing activities	\$60,000	CMAQ	\$15,000		\$0		\$75,000	\$75,000
2018	Muskegon	MATS	TRANSIT FACILITY CONSTRUCTION			\$330,000	CMAQ	\$82,500		\$0		\$412,500	\$412,500
2018	Ottawa	Harbor Transit	Outreach and Marketing		Conduct transit and marketing activities	\$30,000	CMAQ	\$0		\$7,500		\$37,500	\$37,500
2018	Ottawa	Harbor Transit	(2) Replacement Buses			\$248,000	CMAQ	\$0		\$62,000		\$310,000	\$310,000
2018	Muskegon	Norton Shores	Full actuation of Grand Haven/Sternberg intersection traffic signal	Sternberg Road at Grand Haven Road	Full actuation of Grand Haven/Sternberg intersection traffic signal	\$17,926	CMAQ	\$0		\$0		\$17,926	\$17,926
2018	Muskegon	City of Muskegon	Install signal, installation of loop detectors, and interconnection with signal at Black Creek/Sherman	Oltoff at Black Creek Road	Install signal, installation of loop detectors, and interconnection with signal at Black Creek/Sherman	\$80,000	CMAQ	\$0		\$20,000		\$100,000	\$100,000
2018	Muskegon	WMSRDC	Outreach and Marketing	Areawide	Promotion and Marketing of Voluntary household and transportation activities that will reduce air pollution	\$93,178	CMAQ	\$0		\$23,294		\$116,472	\$116,472
						<b>\$859,104</b>							
2019	Muskegon	MATS	HEAVY DUTY BUS REPLACEMENT	Areawide		\$390,000	CMAQ	\$97,500		\$0		\$487,500	
2019	Muskegon	MATS	OUTREACH AND MARKETING	Areawide	Conduct transit and marketing activities	\$50,000	CMAQ	\$12,500		\$0		\$62,500	\$62,500
2019	Ottawa	Harbor Transit	Outreach and Marketing	Areawide	Conduct transit and marketing activities	\$20,000	CMAQ			\$5,000		\$25,000	\$25,000
2019	Ottawa	Harbor Transit	(2) Replacement Buses	Areawide		\$256,000	CMAQ			\$64,000		\$320,000	\$320,000
2019	Muskegon	WMSRDC	Outreach and Marketing	Areawide	Promotion and Marketing of Voluntary household and transportation activities that will reduce air pollution	\$83,104	CMAQ	\$0		\$20,776		\$103,880	\$103,880
2019	Muskegon	City of Muskegon	Signal install	Beach Street and Lakeshore Drive	Install signal/Signal interconnect	\$60,000	CMAQ	\$0		\$40,000		\$100,000	\$100,000
						<b>\$859,104</b>							
2020	Muskegon	MATS	OUTREACH AND MARKETING	Areawide	Conduct transit and marketing activities	\$80,000	CMAQ	\$20,000		\$0		\$100,000	\$100,000
2020	Muskegon	MATS	HEAVY DUTY BUS REPLACEMENT	Areawide		\$390,000	CMAQ	\$97,500		\$0		\$487,500	
2020	Ottawa	Harbor Transit	(2) Replacement Buses	Areawide		\$264,000	CMAQ			\$66,000		\$330,000	\$330,000
2020	Ottawa	Harbor Transit	Outreach and Marketing	Areawide	Conduct transit and marketing activities	\$25,104	CMAQ	\$0		\$6,276		\$31,380	\$31,380
2020	Muskegon	WMSRDC	Outreach and Marketing	Areawide	Promotion and Marketing of Voluntary household and transportation activities that will reduce air pollution	\$100,000	CMAQ	\$0		\$25,000		\$125,000	\$125,000
						<b>\$859,104</b>							

**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		\$260,000	STPU			\$65,000	\$345,000
2015	Muskegon	MCRC	Fruitvale Road	US 31 to Walsh Road		Reconstruct		\$290,000	STPU			\$73,000	\$363,000
2015	Muskegon	MCRC	Russell Road			Reconstruct		\$272,000	STPU			\$225,000	\$497,000
2015	Muskegon	Muskegon	Olthoff Road	Black Creek to east end		Reconstruct		\$650,000	STPU				\$650,000
	Muskegon	Muskegon Heights	Pedestrian/bicycle pathway	Getty Street from Sherman to Broadway			Pedestrian/bicycle pathway	\$66,450	CM			\$16,613	\$83,063
	Muskegon	Muskegon Heights	Pedestrian/bicycle pathway	Getty Street			Pedestrian/bicycle pathway	\$124,000	CM			\$31,000	\$155,000
	Muskegon	MATS	Heavy duty bus replacement	Areawide			Purchase replacement 35' heavy duty CNG bus	\$400,000	CM			\$100,000	\$500,000
	Ottawa	Harbor Transit	Support equipment	Areawide			1000 gallon LP storage tank to Alternative Fuel Station	\$3,800	CM			\$950	\$4,750
	Muskegon	MCRC	Add center turn lane	Whitehall road at McMillan			Add center turn lane	\$144,000	CM			\$36,000	\$180,000
	Muskegon	MATS	Small bus replacements	Areawide			4 small replacement buses	\$400,000	CM			\$100,000	\$500,000
	Muskegon	Norton Shores	Lake Harbor Road Bike Path	Between PJ Hoffmasters campground and Main entrance drives			10" HMA bike path along the ROW	\$83,498	CM				\$83,498
	Muskegon	MATS	Small bus replacement	Areawide			4 small replacement buses	\$400,000	CM			\$100,000	\$500,000
2016	Ottawa	OCRC	North Bank Trail				Phase II	\$1,145,000	TAUL			\$490,800	\$1,636,000
2015	Ottawa	OCRC	Spoonville Trail	NorthCedar Drive to Leonard	1.78		Phase I Construct	\$624,180	TAUL			\$267,000	\$891,180
2016	Muskegon	Pioneer Resources	Bus replacement	NA	NA	transit vehicle replacement	12 medium duty bus replacement vehicles	\$929,626	5310	\$232,406	CTF		\$1,161,032
2016	Muskegon	Pioneer Resources	Expansion vehicles	NA	NA	transit vehicle replacement	6 medium duty bus replacement vehicles	\$464,810	5310	\$116,202	CTF		\$581,012
2016	Muskegon	Pioneer Resources	Bus lift station	NA	NA	Transit capital	Bus lift station	\$23,200	5310	\$5,800	CTF		\$29,000
2015	Muskegon	MCRC	Fred Meijer Berry Junction trail			Phase II	Fred Meijer Berry Junction trail	\$1,600,000	TAUL			\$400,000	\$200,000
2020	Muskegon	Montague	Cook Street	Hunt St. to Eilers Rd.		Crush & Shape w/ partial reconstruct		\$280,000	STPU				
2020	Muskegon	Montague	Stanton Blvd	Dacey St. to Cook St.		Mill & Fill		\$125,000	STPU				
2018	Muskegon	City of Muskegon Heights	Hackley Street	Manz to Getty Street	0.40	Resurface		\$182,186	STPU	\$0		\$45,546	\$227,732
2018	Muskegon	City of Muskegon Heights	Hackley Street	5th Street to park Street	0.30	Resurface		\$136,639	STPU	\$0		\$31,160	\$167,799
2018	Muskegon	City of Muskegon	Beach Street Oval	Lakeshore Drive to Beach Street Oval	0.90	Resurface		\$500,000	STPU	\$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	Sherman Blvd. to Latimer	0.30	Reconstruct		\$260,000	STPU	\$0		\$75,000	\$325,000
2019	Muskegon	City of Roosevelt Park	Glenside Blvd.	Sherman Blvd. to RR Tracks	0.22	Resurface		\$180,000	STPU	\$0		\$45,000	\$225,000
2019	Muskegon	City of Muskegon	Lakeshore Drive	Beach Street to Lincoln	1.50	Reconstruct		\$1,000,000	STPU	\$0		\$578,000	\$1,578,000
2019	Muskegon	Muskegon County Road Commission	Pontaluna Road	Harvey Street to Fruitport Road	2.02	Resurface		\$689,456	STPU	\$0		\$172,364	\$861,820
2019	Muskegon	City of Montague	Hancock Street	Sheridan Street to Old Channel Trail	0.20	Reconstruct		\$205,482	STPU	\$0		\$87,020	\$292,503
2020	Muskegon	City of Norton Shores	Forest Park Road Reconstruction (Entire project)	Henry Street to Lake Harbor Road	1.30	Reconstruct existing 2 lane HMA, includes paved shoulders in both directions		\$920,000	STPU	\$0		\$230,000	\$1,150,000
2020	Muskegon	City of Norton Shores	Henry Roadway Resurfacing	Porter Road to Pontaluna Road	2.40	Resurface existing 2 lane HMA, with paved shoulder in both directions		\$870,640	STPU	\$0		\$217,660	\$1,088,300
2020	Muskegon	City of Norton Shores	Lake Harbor Road Resurfacing	Porter Road to Seminole Road	2.10	Resurface existing 2 lane HMA, with paved shoulder in both directions		\$876,800	STPU	\$0		\$219,200	\$1,096,000
2020	Muskegon	City of Norton Shores	Lake Harbor Road Resurfacing (Phase2)	Porter Road to Pontaluna Road	2.10	Resurface existing 2 lane HMA, with paved shoulder in both directions		\$1,001,600	STPU	\$0		\$250,400	\$1,252,000
2020	Muskegon	City of Muskegon Heights	Broadway Avenue	6th Street to Peck Street	0.20	Resurface		\$91,000	STPU	\$0		\$20,773	\$111,866
2020	Muskegon	City of Muskegon Heights	Broadway Avenue	Glade Street to 6th Street	0.40	Resurface		\$182,186	STPU	\$0		\$45,139	\$227,325
2020	Muskegon	City of Muskegon	Lakeshore Drive	Lincoln to Laketon Avenue	1.20	Reconstruct		\$1,000,000	STPU	\$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	STPU	\$0		\$43,000	\$215,000
2020	Muskegon	Muskegon County Road Commission	Giles Road	Scenic Drive to Buys Road	3.02	Reconstruct, add center turn lane		\$624,000	STPU	\$0		\$156,000	\$780,000
2020	Muskegon	City of Montague	Cook Street	Hunt St. to Eilers Rd.		Crush & Shape w/ partial reconstruct		\$280,000	STPU	\$0		\$70,000	\$350,000
2020	Muskegon	City of Montague	Stanton Blvd.	Dacey St. to Cook St.		Mill & Fill		\$125,000	STPU	\$0		\$31,250	\$156,250
2020	Ottawa	City of Grand Haven	Harbor Drive			Reconstruct		\$757,729	STPU	\$0		\$189,433	\$947,162