



The Metropolitan Planning Organization for the Greater Kalamazoo Area

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TO: Kalamazoo Area Transportation Study Technical Committee
FROM: Jonathan Start, Executive Director
DATE: April 7, 2016
SUBJECT: TECHNICAL COMMITTEE MEETING
THURSDAY, APRIL 14, 2016 - 9:00 A.M.
KALAMAZOO METRO TRANSIT
530 N. ROSE STREET, KALAMAZOO

The Kalamazoo Area Transportation Study Technical Committee will be meeting on Thursday, April 14, 2016 at 9:00 a.m. at Kalamazoo Metro Transit. The following materials are included in your meeting packet:

1. Agenda for the April 14, 2016 Meeting
2. Draft Minutes of the March 10, 2016 Meeting
3. FY 2017-2020 Transportation Improvement Program Project List
4. FY 2017-2020 Transportation Improvement Program Proposed Funded Project List

Due to file size the Draft 2045 Metropolitan Transportation Plan is not included in the meeting materials. The Draft 2045 Metropolitan Transportation Plan is available at www.KATSmpo.org/2045-Plan.

Please remember that time sheets are due by the 15th of each month.

KALAMAZOO AREA TRANSPORTATION STUDY

TECHNICAL COMMITTEE MEETING
APRIL 14, 2016 - 9:00 A.M.
KALAMAZOO METRO TRANSIT
AGENDA

Please limit public comments to 4 minutes.

1. CALL TO ORDER
2. ROLL CALL (Sign-in Sheet Circulated)
3. CHANGES OR ADDITIONS TO THE AGENDA
4. APPROVAL OF THE AGENDA (ACTION)
5. MINUTES FROM THE MARCH 10, 2016 MEETING (ENCLOSURE) **(ACTION)**
6. POLICY COMMITTEE REPORT (March 30, 2016)
7. CITIZENS' COMMENTS (Non-agenda Items)
8. TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
 - a. FY 2017-2020 TIP PROJECT LIST APPROVAL (ENCLOSURE) **(ACTION)**
 - b. FY 2017-2020 TIP PROPOSED FUNDED PROJECTS (ENCLOSURE) **(ACTION)**
9. 2045 METROPOLITAN TRANSPORTATION PLAN ¹ **(ACTION)**
10. PUBLIC TRANSPORTATION UPDATES
11. STATUS REPORTS
 - a. ROADS - Questions on written status reports. Verbal reports will be limited to 4 minutes per agency.
 - b. LAND USE/PLANNING AND ZONING - Questions on written status reports. Verbal reports will be limited to 4 minutes per agency.
12. NEW BUSINESS
13. ADJOURNMENT

The next meeting of the Kalamazoo Area Transportation Study Technical Committee will be held on Thursday, May 12.

¹ Due to file size, the Draft 2045 Metropolitan Transportation Plan is not included in the meeting materials packet. The Draft 2045 Metropolitan Transportation Plan is available at www.katsmpo.org/2045-Plan.



**KALAMAZOO AREA TRANSPORTATION STUDY
TECHNICAL COMMITTEE MEETING
DRAFT MINUTES OF MARCH 10, 2016**

CALL TO ORDER

The March 10, 2016 Technical Committee Meeting was called to order at 9:00 a.m. at Kalamazoo Metro Transit by Chair Hummel.

ROLL CALL

Meeting attendance was recorded on the sign in sheet. Introductions were made by all present.

Members Present

Muhammad Arif	City of Portage Engineering
Chris Barnes	City of Portage Engineering
Mickey Bittner	Village of Paw Paw
Tony Dacoba	Van Buren Public Transit
Chris Forth (Vice-chair)	City of Portage Planning
Jeff Heppler	Village of Augusta
Jim Hoekstra	Road Commission of Kalamazoo County/City of Kalamazoo
Lawrence Hummel (Chair)	Van Buren County Road Commission
Rick Fowler	Michigan Department of Transportation (Lansing)
Lotta Jarnefelt	Kalamazoo County Planning and Development
Matt Johnson	City of Kalamazoo Engineering
Debbie Jung	City of Kalamazoo Engineering
Rebekah Kik	City of Kalamazoo Planning
Laura Smith	Kalamazoo Metro Transit
Ryan Minkus	Road Commission of Kalamazoo County
Daniel Roberts	Michigan Department of Transportation (TSC)
Ken Schippers	Village of Vicksburg
Dan Lewis	Village of Schoolcraft
Jodi Stefforia	Comstock Township
Craig Shumaker	Village of Mattawan
Rob Wilson	City of Galesburg
Mark Worden	Road Commission of Kalamazoo County

Members Absent

Dennis Durham	City of Parchment
Julie Johnston	Oshtemo Township
Doug Plachcinski	Texas Township
Alan Smaka	Village of Lawton

Others Present

Jamie Harmon	City of Portage Engineering
Michelle O'Neill	Michigan Department of Transportation (TSC)
Kathy Schultz	Kalamazoo Metro Transit
Jon Start	Kalamazoo Area Transportation Study
Steve Stepek	Kalamazoo Area Transportation Study
Rachael Tupica	Federal Highway Administration
Monica Zehner	Kalamazoo Area Transportation Study

CHANGES OR ADDITIONS TO THE AGENDA

Start reported information will be given regarding the KATS Transportation Management Area (TMA) Certification Review.

APPROVAL OF THE AGENDA

MOTION by Stefforia, SECOND by Arif, **“to approve the agenda of the March 10, 2016 Technical Committee Meeting as amended.”** MOTION APPROVED.

MINUTES FROM THE FEBRUARY 11, 2016 MEETING

Draft minutes from the February 11, 2016 meeting were included in the meeting materials.

MOTION by Stefforia, SECOND by Hoekstra, **“to approve the Minutes from the February 11, 2016 Technical Committee meeting.”** MOTION APPROVED.

POLICY COMMITTEE REPORT (FEBRUARY 24, 2016)

Start reported on the February 24, 2016 Policy Committee Meeting. Abraham and Gaffney presented on the FY 2015 KATS Audit Report. There were no findings, and the Policy Committee took action to accept the report. Linda Teeter, Chair of the Kalamazoo County Transportation Authority and the Central County Transportation Authority presented on public transportation service enhancements, Sunday service, late night service and route changes.

CITIZEN COMMENTS-NONE

TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Proposed Amendments to the FY 2014-2017 TIP

Proposed amendments to the FY 2014-2017 Transportation Improvement Program were included in the meeting materials.

Fiscal Year	Responsible Agency	Project Name	Project Description	Federal Cost \$1000s	Federal Fund Source	State Cost \$1000s	Local Cost \$1000s	Total Phase Cost \$1000s
2016	RCKC	West Michigan Avenue	Traffic signal upgrade with signal interconnect and vehicle detection.	97	CMG		153	250
Limits: At 11th Street; Length: ; Primary Work Type: Traffic ops/safety; Phase: CON; Amendment Type: Add; Comments: Addition of project, bid savings from JN 119199, 3/30/16;								
2016	MDOT	US-131	Roadway approach and MOT at railroad crossing	6	STRH	1		7
Limits: GTW by Schoolcraft; Length: 0; Primary Work Type: Rail; Phase: PE; Amendment Type: Add; Comments: Addition of project phase 3/30/16;								
2016	MDOT	US-131	Roadway approach and MOT at railroad crossing	66	STRH	7		73
Limits: GTW by Schoolcraft; Length: 0; Primary Work Type: Rail; Phase: Con; Amendment Type: Add; Comments: Addition of project phase 3/30/16;								
2016	MDOT	US-131	Railroad crossing surface construction	166	STRH	18		184
Limits: GTW by Schoolcraft; Length: 0; Primary Work Type: Rail; Phase: Con; Amendment Type: Add; Comments: Addition of project phase 3/30/16;								
2016	Public Transit	Vehicle Replacement	Replace up to two (2) fixed route buses	411	5307	103		513
Limits: Fixed Route; Length: ; Primary Work Type: Transit vehicle additions/replacements; Phase: T-Cap; Amendment Type: Add; Comments: Addition of project, 8/26/15;								
2016	MDOT	M-43	Cold Milling and HMA resurfacing with ADA sidewalk ramps	33	NH	7		40
Limits: M-43 from US-131 to Stadium Drive (I-94BL) and on Kalamazoo Ave (M-43) from Pitcher Street to West Main Street; Length: 4.634; Primary Work Type: Resurface; Phase: ROW; Amendment Type: Year; Comments: Addition of project 7/30/14; Scope change from US-131 to Stadium Drive (I-94BL) to M-43 from US-131 to Stadium Drive (I-94BL) and on Kalamazoo Ave (M-43) from Pitcher Street to West Main Street, change to total project cost 11/19/14; Change from FY 2015 to FY 2016, 3/30/16;								

There were five recommended amendments to add Michigan Department of Transportation projects. O'Neill reported the first amendment was for the design of a railway crossing project on US-131 in Schoolcraft. The following two amendments were for the construction phase of the railway crossing project. The work will take place in October 2016. The fourth amendment was to add the construction phase for the milling and resurfacing of US-131 Business Route from the I-94 Business Loop to south of the north city limits of the City of Kalamazoo. The last amendment was to move the M-43 Project from US-131 to Stadium Drive and Pitcher to W. Project from FY 2015 to FY 2016.

Start reported the Congestion Mitigation Air Quality Subcommittee met prior to the Technical Committee meeting and recommended an addition to the proposed amendments for reconstruction and traffic signal upgrades at the intersection of W. Michigan Avenue and 11th Street for signal interconnect with the signal at Stadium Drive and 11th Street and vehicle detection to improve and coordinate traffic signal timing along the corridor. The estimated cost is \$250,000. Hoekstra reported there has been an increase in traffic since the opening of Costco, and the intersection will not be going back to a flasher. Currently, signal equipment left by MDOT is being utilized. Arif inquired if a roundabout had been considered. Barnes inquired if a life cycle analysis had been completed. Due to required turn-around time for the project, these items have not been analyzed. Johnson inquired if due to member comments, the additional proposed CMAQ project should be discussed with the committee. Johnson recused himself from additional discussion since the project in question was submitted by the City of Kalamazoo.

Steppek reported that the City of Kalamazoo had submitted a downtown trailway project. However, the RCKC W. Michigan Avenue and 11th Street Project has greater carbon monoxide reduction. It was also noted that the W. Michigan Avenue and 11th Street Project was significantly overmatched with \$153,000 (61%) of the project cost being local funds. Approximately \$97,000 (39%) will be CMAQ funding from bid savings. There is not sufficient time for additional analysis if the FY 2016 funds are to be obligated.

O'Neill noted that the area near Costco still had additional sites to be developed and with CMAQ funding, if there is a significant change in traffic patterns in three years, the corridor could be re-evaluated when the area stabilized.

Johnson, asked MDOT to verify there was no local match for the US-131 BR Project from I-94 to south of the North City of Kalamazoo limits. O'Neill confirmed the project was for preventative maintenance, and there is no local match for the project.

MOTION by Barnes, SECOND by Johnson, "to add the W. Michigan Avenue and 11th Street Congestion Mitigation Air Quality Project to the proposed amendments to the FY 2014-2017 Transportation Improvement Program and recommend Policy Committee approval of the proposed amendments as revised." MOTION APPROVED.

FY 2017-2020 Transportation Improvement Program Updates

Start reported that the Prioritization Subcommittee and staff have been reviewing applications, data and scoring. There have been changes to project scores as a result. Stepek elaborated noting the subcommittee had met and agreed on the appropriate source for traffic count data and PASER data. Nagler and Arndt had reviewed project scoring based on the data criteria. An email will be sent regarding the next TIP Prioritization Subcommittee Meeting to review revised scores. Jung asked if there would be discussion of the additional award of safety points. Stepek noted this would be discussed at the subcommittee meeting.

Arif expressed concerns about the points awarded for Environmental Justice (EJ) scoring. He opined a project should not automatically be awarded 10 points because it fixes a road located in an EJ Area. The prioritization should also consider what else the project does to facilitate improvements in the area. Additional amenities such as providing a shelter, a transfer station or a bike route should be considered.

Start noted the prioritization process was a living document and would be evaluated for revisions after development of the FY 2017-2020 Transportation Improvement Program.

2045 METROPOLITAN TRANSPORTATION PLAN UPDATES

The 2045 Metropolitan Transportation Plan is available on KATS website. An Open House was held on Monday, March 7. Members were asked to submit comments by March 21 which is when the public comment period will end. The final draft is targeted for April adoption.

A public meeting will also be held on Tuesday, March 22, at Kalamazoo Metro Transit as part of KATS Transportation Management Area (TMA) Certification Review. Barnes inquired about the format. Tupica noted that the meeting will be informal. There will be on-site review at Kalamazoo Metro Transit on March 23 from 9:00 a.m. to 4:00 p.m. and on March 24 from 9:00 a.m. to noon.

PUBLIC TRANSPORTATION UPDATES

Schultz reported for Kalamazoo Metro Transit. There will be a millage election on the May ballot to fund demand response and the community service van program. Kalamazoo County residents will receive a postcard with information on the millage request. Work continues on the October 1 transition from the City of Kalamazoo to the Central County Transportation Authority.

Service changes to fixed route service will go into effect September 6. The recommended changes are:

- Sunday Service will be from 8:15 a.m. to 5:15 p.m.
- Late night service Monday through Friday.
 - Routes 6-Parchment, 26- West Centre, and 27-Romence will have evening hours Monday-Friday until after 10:00 p.m.
 - Routes 4-Oakland, 10-Comstock, 13-South Burdick will have evening hours Monday-Friday until 11:15 p.m.
 - All other routes will have evening hours extended Monday-Friday until 12:15 a.m.
- Service enhancements are recommended for:
 - An additional bus on the Westnedge Route from 2-6:00 p.m. Monday-Friday
 - An additional bus on Route 2-Portage from 7:45-9:45 a.m. and 2:45-6:45 p.m.
 - An additional bus on Route 8-Egleston from 3:15 p.m.-4:45 p.m. Route 8-Egleston will switch to quarter after hour service and remove quarter to hour bus service after 4:45 p.m.
 - Route 9 Gull Road will add a 6:15 a.m. trip
 - Route 21 Solon, Kendall, Lafayette will have Saturday service from 11:00 a.m.-3:00 p.m. in the fall and spring.
- Recommended route changes are:
 - Route 14 West Main will have service eliminated from Maple Hill Drive west to 9th Street. The route will have addition of service from Maple Hill Drive to Sage, Stonebrook and the West Main Mall area. New stops at Westland Meadow Apartments and W. Main Hardings will be added.
 - Route 27-Romence will have service eliminated along N Avenue to Pavilion Estates. The route will have the addition of service to the Shaver Road Corridor serving Meijer and Walmart.

An agreement with Oshtemo Township has not been reached regarding continuing service to Meijer and Walmart on W. Main. A cost sharing agreement with Texas Township is being finalized for service to Kalamazoo Valley Community College. The Central County Transportation Authority will be asked to take action to approve the recommended fixed route changes at the March 14 meeting.

Metro continues work on coordinating bus stop and shelter improvements with planned road projects. Heppler inquired about service to the Veteran Affairs (VA) hospital. Schultz noted that rides to the VA hospital are available through Metro County Connect. However, ridership does not justify fixed route service.

Schultz reported Kalamazoo Metro is working with the City of Kalamazoo for bus stop improvements in core neighborhoods. Kik elaborated noting that the neighborhood revitalization grants historically were

competitive. A large number of funded projects were for ADA improvements and bus stops. Due to this historic need, funds will be allocated for the improvements. Work is being done to prioritize stops.

Start reported that with the transition from the City of Kalamazoo to the Central County Transportation Authority, FTA Designated Recipient status is being evaluated for potential funding to Van Buren Public Transit in addition to Kalamazoo Metro Transit. Service and performance measures by both providers in the urbanized area has been requested.

STATUS REPORTS

Road Status Reports

City of Kalamazoo: The city is submitting its FY 2016 Kilgore Road Project and E. Michigan Avenue Project to MDOT on March 18. The Portage Street CMAQ Project is on target for spring construction. The Crosstown CMAQ Project is being prepared for final acceptance.

Road Commission of Kalamazoo County (RCKC): The 9th Street Project from I-94 to Meridian came in approximately 8% under-estimate, approximately \$150,000. The project was over-matched and the savings will be used to reduce the local cost. The RCKC savings will be applied to the W. Michigan Avenue at 11th Street CMAQ Project. The 42nd Street Project is in the April letting. The D Avenue, E. Michigan, U Avenue and W Avenue Projects are in the May letting. The Hot Mix Asphalt (HMA) Bid Number 1 is opening March 11. It includes year two of the Kalamazoo Township Local Road Plan and 28th Street from M-43 North to D Avenue resurfacing. The E. Main Street Project is anticipated to begin in April. The RCKC has received preliminary approval for the FY 2017 Sprinkle Road Safety Project and the Stadium Drive and 11th Street Safety Project.

Village of Augusta: The village is looking for an engineering consultant for comprehensive road improvements and infrastructure improvements.

Michigan Department of Transportation: Harden has taken a new position as the Rural Program Coordinator in the Statewide Transportation Planning Division. MDOT is uncertain if the Transportation Planner position at the Southwest Region office will be filled. Tree removal on US-131 has begun in preparation for spring construction. Utility line work will be done in the next few weeks. The work will be completed during off-peak hours with a lane closure. Construction is anticipated to begin on MDOT projects in April.

City of Galesburg: Tree removal for the 35th Street project has begun. Construction is anticipated to begin the week of April 4.

City of Portage: The Lovers Lane CMAQ Project is anticipated to begin in the next few weeks. The Westnedge and Romence Safety Project is targeted to be submitted in March. Westnedge and Kilgore and Centre and Old Centre will be having traffic signals installed. Portage Road from E. Milham to Romence came in 24% under-estimate. It estimated to be approximately \$40,000 in savings. Tree removal for the South Trailway Transportation Alternatives Project tree has begun.

Van Buren County Road Commission: Tree removal has not yet begun on the Red Arrow Highway Project. The contractor is trying to co-ordinate work with a project on CR 681 south of Red Arrow. MDOT noted that Red Arrow was an emergency detour route and recommended the Van Buren County Road Commission co-ordinate with emergency dispatch and Michigan State Police regarding emergency detouring during construction work.

Land Use, Planning, and Zoning Updates

Federal Highway Administration: KATS will have its Transportation Management Area (TMA) Certification Review March 22-24. The process will be kicked-off with a public meeting on March 22 from 4:00 p.m. to 7:00 p.m. at Kalamazoo Metro Transit. The review will continue at Kalamazoo Metro Transit on March 23, from 9:00 a.m. to 4:00 p.m. and March 24 from 9:00 a.m. to approximately noon. Members were invited to participate in all sessions for the review process. Members may also submit comments to Tupica and McKenzie by March 18. Contact information for Tupica and McKenzie will be emailed.

Kalamazoo County Planning: The Remonumentation Program surveyor contracts are targeted for approval in March or early April. The County GIS Coordinator is working with dispatch to provide updated road and addressing information. Discussions are taking place regarding a Kalamazoo County Farmland Preservation ordinance. The Master Plan Update process continues. Pictometry aerial flights are expected to take place within the next month weather permitting.

City of Kalamazoo: Kalamazoo Community Foundation is hosting a meeting for the City Master Plan Updates, Imagine Kalamazoo, on March 22 at Boatyard Brewery. Meetings were also held at Art Hop during February and March. The city has already engaged approximately 600 people during the first two months of its public participation process. The annual Site Plan Review was held in February. The city had 67 site plans last year, the most since 2007. Ten site plans have already been submitted this month.

City of Portage: The city has two draft planning documents out for public comment. The 10 Year Capital Improvement Program will go to the Planning Commission in March for approval. The other document is HUD required Five Year Consolidated Plan which directs how the Community Development Block Grant from HUD is allocated. The 30 day comment period will conclude with a public hearing on April 7. Both documents are available on the City of Portage web-site. A meeting is being planned for discussing options for a road diet on Portage Road south of Centre Avenue.

NEW BUSINESS

KATS is beginning development on the FY 2017 Unified Planning Work Program. Members were asked to contact KATS if there are studies and planning activities that staff could assist with during the fiscal year. **April 29 is the last opportunity to submit amendments to the FY 2014-2017 Transportation Improvement Program.** No amendments may be made after this date until after the FY 2017-2020 Transportation Improvement Program is approved. When the FY 2014-2017 Transportation Improvement Program was submitted for approval, it took until February of the following year to receive U.S. DOT approval. KATS has received new allocations for the Fixing America's Surface Transportation Program. Allocations are less than originally programmed. Bid savings will be used to cover the difference. KATS is hosting the Michigan Transportation Planning Association Conference. Information and registration is available at KATS website.

ADJOURNMENT

There being no other business Chair Hummel adjourned the meeting at 10:15 a.m.

FY 2017-2020 TIP PROJECT LIST

Year	Road Name	Agency	Limits	Total Project Length	In MTP	NFC Score	Primary Work Type	Project Description	Project Phase	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost	Phase Cost	Total Project Cost	Safety Score	ADT Score	Safety Correct	PASER SCORE	EJ Score	Preserve Score	Planning & ED Score	TOTAL SCORE	Conforms with CS	Exception
2020	Drake Road	RCKC	KL Avenue to M43	1.5 miles	Yes	8	Resurface	Mill/HMA overlay	Construction	\$1,000,000	STP	0	0	\$500,000	\$1,500,000	\$1,500,000	5	25	0	15	10	5	15	83	YES	NO
2020	KL Avenue	RCKC	0.45 Mile West of Drake to Drake Road	0.5 Miles	Yes	6	Widen (Minor)	Widen to three lanes/HMA overlay	Construction	\$600,000	STP	0	0	\$150,000	\$750,000	\$750,000	5	17	10	20	10	5	10	83	YES	NO
2018	West Centre Avenue	Portage	12th Street to Oakland Drive	1.81 miles	Yes	8	Resurface	HMA mill and resurface with sidewalk upgrades and bike trail improvements. Traffic signal modernization and transit upgrades (bus shelters/turnouts).	Construction	\$1,300,000	STP			\$700,000	\$2,000,000	\$2,000,000	5	24	10	20	0	5	10	82	YES	NO
2018	Pitcher Road	City of Kalamazoo	E Michigan Ave to Kalamazoo Ave	0.12	Yes	8	Resurface	Reconstruction of existing roadway including base. Upgrade sidewalk ramps to ADA standards. Upgrade catch basins to low impact storm water leaching inlets. Replace broken sidewalk, curb and gutter, and driveway as budget allows. Installation of new traffic signal at Pitcher and Water Street and installation of signal interconnecting fiber optic.	(Choose One)	\$487,000	NHPP			\$113,000	\$600,000	\$600,000	5	9	10	20	10	5	15	82	YES	NO
2018	South Westnedge Avenue	Portage	Romence Road to Mall Drive	0.63 miles	Yes	8	Resurface	HMA mill and resurface with traffic signal improvements and ADA sidewalk and transit upgrades (bus shelters).	Construction	\$700,000	NHPP			\$327,000	\$1,027,000	\$1,027,000	5	25	10	20	0	5	5	78	YES	NO
2020	South Westnedge Avenue	Portage	Shaver Road to Romence Road	0.73 miles	Yes	8	Resurface	HMA mill and resurface to include traffic signalization, sidewalk infrastructure and pedestrian crossing improvements.	Construction	\$900,000	NHPP			\$525,000	\$1,425,000	\$1,425,000	5	22	10	20	0	5	5	75	YES	No
2019	Portage Street	City of Kalamazoo	Stockbridge to Porter/Pitcher Connector	0.764	Off	8	Resurface	Cold Mill and pave 3 inches of HMA Pavement. Widen existing sidewalk in portions. Upgrade sidewalk ramps to ADA standards. Upgrade catch basins to low impact storm sewer design. Replace damaged sidewalk, curb and gutter, and driveway as budget allows. Add additional street scape items to be funded by City.	Construction	\$1,100,000	STP			\$750,000	\$1,850,000	\$1,850,000	5	13	0	20	10	5	10	71	YES	NO
2020	Oakland Drive	City of Kalamazoo	Parkview Ave to Howard Street	1.083	Yes	8	Resurface	Cold Mill and pave 3 inches of HMA Pavement. Upgrade sidewalk ramps to ADA standards. Upgrade catch basins to low impact storm water leaching inlets. Replace damaged sidewalk, curb and gutter, and driveways as budget allows. Install new sections of sidewalk to fill in gaps.	Construction	\$860,000	STP			\$200,000	\$1,060,000	\$1,177,000	5	17	0	20	0	5	15	70	YES	NO
2019	West Milham Avenue	Portage	Oakland Drive to South Westnedge Avenue	1.26 miles	Yes	8	Resurface	HMA mill and resurface with ADA sidewalk improvements and traffic signalization upgrades.	Construction	\$1,300,000	STP			\$1,400,000	\$2,700,000	\$2,000,000	5	20	10	15	0	5	5	68	YES	NO
2020	Shaver Road	Portage	West Centre Avenue to South Westnedge Avenue	0.30 miles	Yes	8	Resurface	HMA mill and resurface to include traffic signalization and pedestrian crossing improvements.	Construction	\$300,000	NHPP			\$168,000	\$468,000	\$468,000	5	15	10	20	0	5	5	68	YES	NO
2019	Howard Street	City of Kalamazoo	Stadium to Oakland	0.517 miles	Yes	8	Resurface	Cold mill and pave 3" of HMA pavement. Upgrade sidewalk ramps to ADA standards. Upgrade catch basins to low impact storm water leaching inlets. Replace damaged sidewalk, curb and gutter, and driveways as budget allows.	Construction	\$329,000	STP			\$77,000	\$406,000	\$406,000	5	20	0	15	0	5	10	63	YES	NO

FY 2017-2020 TIP PROJECT LIST

Year	Road Name	Agency	Limits	Total Project Length	In MTP	NFC Score	Primary Work Type	Project Description	Project Phase	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost	Phase Cost	Total Project Cost	Safety Score	ADT Score	Safety Correct	PASER SCORE	EJ Score	Preserve Score	Planning & ED Score	TOTAL SCORE	Conforms with CS	Exception
2020	Stockbridge-Ave	City of Kalamazoo	Crossdown to Portage	0.787 miles	Yes	6	Resurface	Cold Mill and pave 3 inches of HMA Pavement. Upgrade sidewalk ramps to ADA standards. Upgrade catch basins to low impact storm water leaching inlets. Replace damaged curb and gutter, and driveways as budget allows. Installation of signal-interconnection fiber optic.	Construction	\$407,000	STP			\$95,000	\$502,000	\$502,000	5	5	9	20	40	5	40	61	YES	NO
2019	Romence Road	Portage	Oakland Drive to Constitution Boulevard	0.55 miles	Yes	6	Reconstruct	HMA mill and resurface to include bike paths and sidewalk with ADA compliance improvements.	Construction	\$200,000	STP			\$322,000	\$522,000	\$522,000	5	15	10	15	0	5	5	61	YES	NO
2020	Oakland Drive	City of Kalamazoo	Parkview Ave. to Howard Street	1.083	Yes	8	Traffic-Operations	Upgrade two signals with modern equipment and install traffic signal-interconnecting fiber optic.	(Choose One)	\$350,000	NHPP			\$70,000	\$420,000	\$420,000	5	17	9	20	0	5	5	60	YES	NO
2020	East Centre Avenue	Portage	Portage Road to Sprinkle Road	1.00 miles	Yes	8	Reconstruct	HMA mill and resurface to include traffic signalization and pedestrian crossing improvements.	Construction	\$500,000	STP			\$771,000	\$1,271,000	\$1,271,000	5	11	10	15	0	5	5	59	YES	No
2019	Porter	City of Kalamazoo	Frank Street to Patterson Street	0.28	Yes	6	Resurface	Cold Mill and pave 3 inches of HMA Pavement. Upgrade sidewalk ramps to ADA standards. Upgrade catch basins to low impact storm water leaching inlets. Replace all curb and gutter and driveways. Replace damaged sidewalk as budget allows.	Construction	\$100,000	STP			\$130,000	\$230,000	\$230,000	5	4	9	20	40	5	40	57	NO	YES
2018	Cork Street	City of Kalamazoo	Portage Street to Sprinkle	1.958 Miles	Yes	6	Resurface	Cold mill and pave 3 inches of HMA pavement. Upgrade sidewalk ramps to ADA standards. Upgrade catch basins to low impact storm water leaching inlets. Replace damaged sidewalk, curb and gutter, and driveways as budget allows.	Construction	\$1,136,000	STP			\$264,000	\$1,400,000	\$1,400,000	5	12	0	10	0	5	15	53	YES	NO
2018	Riverview Drive	City of Parchment	Parchmont to G Avenue	0.5	Yes	6	Resurface	0.5 miles of street improvements including HMA pavement, structure adjustments, storm sewer, pavement markings and signage, ADA sidewalk ramps, and restoration on Riverview Drive in the City of Parchment, Kalamazoo County.	Construction	\$375,000	STP			95000	\$470,000	\$500,000	5	9	0	20	0	5	5	50	YES	NO
2019	Red Arrow Highway	VBCRC	26th St. to 28th St	1.02		6	Reconstruct	Trench and widen to achieve 3-lane cross-section. Mill 2" of existing HMA, install fabric, repave to achieve similar section. Install C & G at major access points and intersections. The trench and widen should also then accommodate a minimum 4 foot paved shoulder beyond the edgeline pavement marking.		\$440,000	STP	288000	CMAQ	\$182,000	\$910,000	\$910,000	2	11	0	20	0	5	5	49	YES	NO
2019	Sprinkle Road	RCKC	Milham to N Avenue	1.2 miles	Yes	8	Resurface	Mill/HMA Overlay/ADA Upgrades	Construction	\$1,200,000	STP	0	0	\$300,000	\$1,500,000	\$1,500,000	2	21	0	0	0	5	10	46	YES	NO
2018	Covington	City of Kalamazoo	Manchester Drive to Sprinkle Road	0.692 miles	Yes	4	Resurface	Cold Mill and pave 3 inches of HMA Pavement. Upgrade catch basins to low impact storm water leaching inlets. Replace broken sidewalk, curb and gutter, and driveway as budget allows.	Construction	\$100,000	STP			\$292,000	\$392,000	\$392,000	5	2	0	20	0	5	10	46	YES	NO
2018	Sprinkle Road	RCKC	Bishop Avenue to Milham Avenue	0.6 miles	Yes	8	Resurface	Mill/HMA Overlay/ADA Upgrades	Construction	\$1,000,000	STP	0	0	\$250,000	\$1,250,000	\$1,250,000	2	19	0	0	0	5	10	44	YES	NO

FY 2017-2020 TIP PROJECT LIST

Year	Road Name	Agency	Limits	Total Project Length	In MTP	NFC Score	Primary Work Type	Project Description	Project Phase	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost	Phase Cost	Total Project Cost	Safety Score	ADT Score	Safety Correct	PASER SCORE	EJ Score	Preserve Score	Planning & ED Score	TOTAL SCORE	Conforms with CS	Exception
2018	12th Street	RCKC	Q Avenue to Texas Drive	2.0 miles	Yes	6	Resurface	Mill/ HMA overlay	Construction	\$480,000	STP	0	0	\$120,000	\$600,000	\$600,000	2	6	0	15	0	5	10	44	YES	NO
2018	CR 652	VBCRC	Red Arrow Highway to French Rd	.5 miles	Yes	6	Restore & Rehabilitate	Trench and widen to achieve paved shoulder 3-lane cross-section. Mill 2" of existing HMA, install fabric, repave to achieve similar section. Install C & G at major access points and intersections. The trench and widen should also then accommodate a minimum 4 foot paved shoulder beyond the edgeline pavement marking.	Construction	\$220,000	STP			\$55,000	\$275,000	\$275,000	2	10	0	15	0	5	5	43	Yes	NO
2020	Lake Street	City of Kalamazoo	Portage Street to East City limits	0.823 miles	Yes	4	Resurface	Cold Mill and pave 3 inches of HMA Pavement. Upgrade sidewalk ramps to ADA standards. Upgrade catch basins to low impact storm water leaching inlets. Replace damaged sidewalk, curb and gutter, and driveways as budget allows. Installation of signal interconnect fiber optic.	Construction	\$430,000	STP			\$100,000	\$530,000	\$530,000	5	4	0	15	0	5	10	43	YES	NO
2020	Red Arrow Highway	VBCRC	1000 ft each direction from 29.5th St	0.38		6	Reconstruct	Trench and widen to achieve paved shoulder and 3-lane cross-section with dedicated turn lanes. Mill 2" of existing HMA, install fabric, repave to achieve similar section. Install C & G at major access points and intersections. The trench and widen should also then accommodate a minimum 4 foot paved shoulder beyond the edgeline pavement marking.		\$380,000	STP			\$95,000	\$475,000	\$475,000	2	9	0	20	0	0	5	42	YES	NO
2020	CR 657	VBCRC	I-94 to CR 364	0.82		4	Reconstruct	Trench and widen to Road Commission Primary Road Minimum Standard. Crush and shape existing HMA and Aggregate Base to achieve new section. Pave to all season standards to achieve 2 lanes and paved shoulders. Along with all associated work.		\$300,000	STP			\$75,000	\$375,000	\$375,000	2	3	0	20	0	5	5	39	YES	NO
2018	Lyon Street	Village of Schoolcraft	US 131 to East Village Limits	0.75	Yes	6	Widen (Minor)	0.75 miles of street improvements including HMA pavement, widening, structure adjustments, storm sewer, pavement markings and signage, ADA sidewalk ramps, and restoration on Lyon Street in the Village of Schoolcraft, Kalamazoo County.	Construction	\$400,000	STP			\$100,000	\$500,000	\$500,000	2	5	0	20	0	0	5	38	YES	NO
2018	Sprinkle Road	RCKC	Centre Avenue to Bishop Avenue	1.0 miles	Yes	8	Resurface	Mill/HMA Overlay/ADA Upgrades	Construction	\$1,000,000	STP	0	0	\$200,000	\$1,200,000	\$1,200,000	2	12	0	0	0	5	10	37	YES	NO
2018	Texas Drive	RCKC	N/E of 8th Street to 12th Street	2.7 miles	Yes	6	Resurface	Mill/ HMA overlay/ All Season	Construction	\$600,000	STP	0	0	\$150,000	\$750,000	\$750,000	2	5	0	0	0	5	10	28	YES	NO
2020	Main Street	Village of Mattawan	100 Ft N and S of Creek Crossing			4	Restore & Rehabilitate	Remove and replace creek culvert with a concrete box culvert, additional drainage, pavement and curb replacement		375000	STP			125000	500000	500000	2	3		0	0	5	10	24	YES	NO
2018	Vehicle Replacement	Kalamazoo Metro Transit			Yes	NA	(Choose One)	Up to four (4) Community Service Vans as part of the Capital Improvement Plan and vehicle replacement plan	(Choose One)	\$80,000	STP	20000	CTF		\$100,000					10			10	Off	NO	

FY 2017-2020 TIP PROJECT LIST

Year	Road Name	Agency	Limits	Total Project Length	In MTP	NFC Score	Primary Work Type	Project Description	Project Phase	Federal Cost	Federal Fund Source	State Cost	State Fund Source	Local Cost	Phase Cost	Total Project Cost	Safety Score	ADT Score	Safety Correct	PASER SCORE	EJ Score	Preserve Score	Planning & ED Score	TOTAL SCORE	Conforms with CS	Exception
2018	Vehicle Replacement	Kalamazoo Metro Transit			Yes	NA	(Choose One)	Up to three (3) line haul buses as part of the Capital Improvement Plan and vehicle replacement plan	(Choose One)	\$400,000	STP	100000	CTF		\$500,000			0			10			10	Off	NO
2019	ADA Bus Shelter and Stop Improvements	Kalamazoo Metro Transit			Yes	NA	(Choose One)	Updates to bus stops and shelters to meet ADA requirements per bus stop and shelter plan	(Choose One)	\$50,000	STP	13000	CTF		\$63,000						10			10	Off	NO
2019	Vehicle Replacement	Kalamazoo Metro Transit			Yes	NA	(Choose One)	Up to four (4) Community Service Vans as part of the Capital Improvement Plan and vehicle replacement plan	(Choose One)	\$80,000	STP	20000	CTF		\$100,000						10			10	Off	NO
2020	ADA Bus Shelter and Stop Improvements	Kalamazoo Metro Transit			Yes	NA	(Choose One)	Updates to bus stops and shelters to meet ADA requirements per bus stop and shelter plan	(Choose One)	\$80,000	STP	20000	CTF		\$100,000			0			0			0	Off	NO
2020	Vehicle Replacement	Kalamazoo Metro Transit			Yes	NA	(Choose One)	Up to two (2) Community Service Vans as part of the Capital Improvement Plan and vehicle replacement plan	(Choose One)	\$40,000	STP	10000	CTF		\$50,000			0			0			0	Off	NO
2018	I-94 BL	MDOT	Howard Street Intersection	0.556	Yes	8	Reconstruct	Reconstruct intersection to install dual left turn lanes at the intersection	Construction	\$5,852,275	ST	1135509	M	\$162,616	\$7,150,400	\$8,506,000		25		15	10			58		
2018	I-94 BL	MDOT	east of Seneca to East of Michigan	2.762	Yes	8	Resurface	Resurface and repair roadway	Construction	\$1,558,424	NH	302379	M	\$43,197	\$1,904,000	\$2,128,000		13		20	10			51		
2018	I-94	MDOT	Miller Road to 40th St	7.413	Yes	10	Resurface	Widen and resurface outside shoulder	Construction	\$1,280,700	HSIP	142300	M		\$1,423,000	\$1,550,000		25		15	10	5		65		
2018	M-96	MDOT	M-96 at G Ave	0.22	Yes	8	Traffic Operations	Install right turn lane	Construction	\$166,500	HSIP	18500	M		\$185,000	\$205,000		6		20	10			44		
2018	I-94	MDOT	I-94 under 9th St	0.04	Yes	6	Bridge Rehabilitation	Railing replacement, epoxy overlay, deck patching, concrete surface coating, epoxy injecting on beams, wingwall replacement, resealing construction joints	Construction	\$519,300	IM	57700	M		\$577,000	\$666,000		13		15	0		10	44		
2020	I-94	MDOT	I-94 EB mile marker 83; I-94 WB mile marker 82	2.254	Yes	10	Traffic Operations	Construct emergency/crash investigation sites	Preliminary Engineering	\$91,508	CM	20292	M		\$111,800	\$853,090		25		15	10			60		
2018	M-43	MDOT	M-43 at 28th st	1.001	Yes	6	Traffic Operations	Add left turn lanes on M-43 and realign 28th st intersection	Early Preliminary Engineering	\$22,500	HSIP	2500	M		\$25,000	\$933,646		22		20	10	5		63		
2018	M-43	MDOT	M-43 at 28th st	1.001	Yes	6	Traffic Operations	Add left turn lanes on M-43 and realign 28th st intersection	Preliminary Engineering	\$95,024	HSIP	10558	M		\$105,582	\$933,646		25		20	10	5		66		
2018	M-43	MDOT	M-43 at 28th st	1.001	Yes	6	Traffic Operations	Add left turn lanes on M-43 and realign 28th st intersection	Right of Way	\$108,000	HSIP	12000	M		\$120,000	\$933,646		25		20	10			61		
2019	I-94	MDOT	US 131 NB and SB over Amtrak and KL Ave	0	Yes	10	Bridge Replacement	Deck Replacement	Construction	\$7,649,702	NHPP	1696298	M		\$9,346,000	\$10,181,000		25		0	10		5	50		
2020	I-94	MDOT	East of Lovers Lane to East of Portage Road	1.16	Yes	10	Widen (Major)	Roadway reconstruction and widening, and interchange reconstruction	Construction	\$26,599,481	HPSL	5461715	M	\$436,641	\$32,497,837	\$33,097,837		25		0	10			45		
2020	I-94	MDOT	East of Portage Road to West of Sprinkle Road	1.2	Yes	10	Widen (Major)	Road reconstruction and widening, and reconstruction and widening of 2 railroad bridges and a large culvert	Construction	\$27,878,171	IM	5753058	M	\$428,845	\$34,060,074	\$34,660,074		25		15	10			60		
2020	I-94	MDOT	I-94 EB mile marker 83; I-94 WB mile marker 82	2.254	Yes	10	Traffic Operations	Construct emergency/crash investigation sites	Construction	\$606,745	CM	134545	M		\$741,290	\$853,090		13		15	10			48		

FY 2018-2020 Transportation Improvement Program
Surface Transportation Program and National Highway Performance Program Funding
DRAFT Funding Distribution - March 21, 2016

FY 2018

Year Requested	Overall Ranking	Agency	Project	Limits	STP	NHPP	Total Project	
							Requested	Cost
2020	2	RCKC	KL Avenue	.45 Mile W of Drake	\$ 600,000	\$ -	\$ 600,000	\$ 750,000
2018	3	Portage	W. Centre Ave	12th st to Oakland Dr	\$ 831,132	\$ 468,868	\$ 1,300,000	\$ 2,000,000
2018	17	Kalamazoo	Cork St	Portage St. to Sprinkle	\$ 705,167	\$ -	\$ 1,136,000	\$ 1,400,000
2018	NA	Metro Transit	Vehicle Replacement	Areawide	\$ 80,000	\$ -	\$ 80,000	\$ 100,000
2018	NA	Metro Transit	ADA Bus Shelter	Areawide	\$ 50,000	\$ -	\$ 50,000	\$ 60,000
2018	5	Portage	S. Westnedge	Romence Rd to Mall Drive	\$ 700,000	\$ -	\$ 700,000	\$ 1,027,000
Total					\$2,966,299	\$468,868	\$3,866,000	\$5,337,000
FY 2018 Allocations					\$2,966,299	\$468,868		
Balance* Adjustments Needed					\$0	\$0		

FY 2019

Year Requested	Overall Ranking	Agency	Project	Limits	STP	NHPP	Total Project	
							Requested	Cost
2019	7	Kalamazoo	Portage St	Stockbridge to Porter/Pitcher Con	\$ 621,755	\$ 478,245	\$ 1,100,000	\$ 1,850,000
2019	9	Portage	W. Millham Avenue	Oakland Dr. to S. Westnedge Ave	\$ 1,300,000	\$ -	\$ 1,300,000	\$ 2,700,000
2019	NA	Metro Transit	Vehicle Replacement	Areawide	\$ 87,870	\$ -	\$ 80,000	\$ 109,838
2019	11	Kalamazoo	Howard St	Stadium to Oakland	\$ 329,000	\$ -	\$ 329,000	\$ 406,000
2019	13	Portage	Romence Rd	Oakland Dr. to Constitution Blvd	\$ 200,000	\$ -	\$ 200,000	\$ 522,000
2018	4	City of Kalamazoo	Pitcher St	E. Michigan Ave to Kalamazoo	\$ 487,000	\$ -	\$ 487,000	\$ 600,000
FY 2019 Allocations					\$3,025,625	\$478,245	\$3,496,000	\$ 6,187,838
Balance					\$0	\$0		

FY 2020

Year Requested	Overall Ranking	Agency	Project	Limits	STP	NHPP	Total Project	
							Requested	Cost
2020	1	RCKC	Drake Rd	KL Avenue to M-43	\$ 512,190	\$ 487,810	\$ 1,000,000	\$ 1,500,000
2020	6	Portage	S. Westnedge	Shaver Rd to Romence	\$ 900,000	\$ -	\$ 900,000	\$ 1,425,000
2020	8	Kalamazoo	Oakland Dr	Parkview Ave to Howard	\$ 860,000	\$ -	\$ 860,000	\$ 1,060,000
2020	10	Portage	Shaver Rd	W. Centre Ave to S. Westnedge Ave	\$ 300,000	\$ -	\$ 300,000	\$ 468,000
2020	NA	Metro Transit	Vehicle Replacement	Areawide	\$ 80,000	\$ -	\$ 80,000	\$ 100,000
2020	15	Portage	E. Centre Ave	Portage Rd. to Sprinkle Rd	\$ 433,947	\$ -	\$ 500,000	\$ 1,271,000
FY 2020 Allocations					\$3,086,137	\$487,810	\$3,640,000	\$ 5,824,000
Balance					\$0	\$0		