

**Genesee County Metropolitan Planning Commission  
Technical Advisory Committee (TAC)**

**Genesee County Administration Building  
GCMPC Conference Room  
1101 Beach Street, 2<sup>nd</sup> Floor  
Flint, Michigan 48502**

**Thursday, October 3, 2019  
1:30 P.M.**

**A-G-E-N-D-A**

- I. Call to Order
- II. Roll Call
- III. Minutes
  - \*\*\*A. Minutes of the September 5, 2019 Regular Meeting (attached)
- IV. Old Business
  - A. National Environmental Policy Act (NEPA) Information Session (attached)
  - B. Roundabout Implementation Study for Genesee County Intersections Update (attached)
- V. New Business
  - A. 2020 Safety Performance Measure Targets (attached)
  - B. FY 2020-2023 Transportation Improvement Program (TIP) Amendment #2 (attached)
- VI. Other Business
- VII. Announcements
- VIII. Adjournment

**\*\*\* Action Item**

**NEXT MEETING – November 7, 2019 at 1:30 P.M.**

**TECHNICAL ADVISORY COMMITTEE MEETING  
MINUTES  
September 5, 2019**

The Technical Advisory Committee met at 1:30 p.m. on Thursday, September 5, 2019, in the Conference Room of the Genesee County Metropolitan Planning Commission (GCMPC), 1101 Beach Street, Room 223, Flint, Michigan.

I.  **Call to Order**

Vice Chairperson Johnston called the meeting to order at 1:36 p.m.

II. **Roll Call**

**Present:** Aaron Dawson, Andrea Schroeder, Bob Slattery, Chad Young, Derek Bradshaw, Eric Johnston, Larry Green, Lynn Markland, Mark Adas, Michael Pifer, Shawnice Dorsey, and Tom Svrcek.

**Absent/Excused:** Adam Zettel, Alex Patsy, Betty Wideman, Bonnie Mathis, Brad Barrett, Brian Saad, Chris Yeates, Craig Williams, Curtis Armstrong, Dave Miller, David Dorr, Don Mayle, Ed Benning, Emily Alexander, Eric Weiderhold, Fred Peivandi, Frederick Thorsby, Gary Stevens, Jay Reithel, Joseph Madore, Joseph Rizk, Karyn Miller, Mark Emmendorfer, Mary Ann Price, Neil Rankin, Paul Fortino, Robert Johnson, Sam Stiff, Scott Bennett, Scott Sutter, Sheri Wilkerson, Steven Furh, Steven Katenhus, Teresa Onica, Tim Elkins, Trevor Block, Vicki Fishell, and Wendy Jean-Buhrer.

**Others Present:** Lane Masoud, Jason Nordberg, Sharon Gregory, Jacob Maurer, Zach Sompels, and Debby Compton.

III.  **Minutes**

\*\*\*A. **Minutes of the July 11, 2019 Regular Meeting**

**Motion: Action:** Approve, **moved by** Andrea Schroeder, **supported by** Tom Svrcek, to approve the minutes of the July 11, 2019 regular meeting as presented.

Motion carried unanimously.

IV. **Old Business**

A.  **2019 Federal Metropolitan Transportation Planning Certification Review**

Presentation by Aaron Dawson

Aaron Dawson, Federal Highway Administration (FHWA), Michigan Division, presented a PowerPoint presentation to the committee. The topic of the presentation was the federally required review of the MPO every four years. The product of the review is a lengthy report in which the findings are


presented and sent to Washington DC to prove that the MPO is complying with the law. There are three possible actions that can come out of the report: commendations, for things that are best practice or well done nationwide; recommendations, or items that can be enhanced or improved upon to improve the planning process for the area; and corrective actions which are regulatory compliance issues that have to be addressed in a certain amount of time to be able to certify the MPO to continue being the planning organization for the Flint area. The Flint Certification went great with no corrective actions, two (2) commendations and eight (8) recommendations.

Commendations and Recommendations are as follows:


- ✓ Commendation 1: Regional Partnerships  
GCMPC and MTA partnership with public and private organizations
- ✓ Commendation 2: TIP Public Involvement and Online Tools  
GCMPC communication of TIP projects, use of story maps, soliciting project comments
- ✓ Recommendation 1: Agreements  
Review factual information, regulatory citations, roles and responsibilities for four agreements (2010 and 2013)
- ✓ Recommendation 2: Travel Demand Model  
Present analysis capabilities and potential uses of new travel demand model to committee members
- ✓ Recommendation 3: Performance Measure Report and Dashboard  
Create and maintain performance measure technical report, website dashboard, and tie to project selection
- ✓ Recommendation 4: MDOT Project Selection Transparency  
Region planning staff and MPO staff cooperatively develop MDOT project list beyond the MDOT 5-year plan
- ✓ Recommendation 5: TIP Project Selection Process  
Include project selection application and criteria as an appendix to the TIP document, also include how performance measures influence selection
- ✓ Recommendation 6: MPO Website TIP Accessibility and Performance Information  
Provide easy access to the TIP project list via the GCMOC website, including linking the project list to performance measures
- ✓ Recommendation 7: Public Participation Plan  
Record and demonstrate all outreach activities in the PPP, especially outreach to Environmental Justice communities (also include timetable for major documents, comment periods, highlight innovative methods)
- ✓ Recommendation 8: MTP Environmental Justice  
Expand analysis to include regional measures (accessibility to employment, education, health care, etc.) for a comparative assessment of benefits and burdens

The next Certification Review on-site meeting will be May 2023.


Mr. Bradshaw, on behalf of GCMPC staff, thanked FHWA, Federal Transit Administration (FTA) and the Michigan Department of Transportation (MDOT) staff that participated.


- B.  **FY 2020-2023 Transportation Improvement Program (TIP) Update**  
Sharon Gregory reminded the committee that the FY 2020-2023 TIP was approved in July by this committee and the Metropolitan Alliance to go on to MDOT for review. MDOT reviewed and passed it along to FHWA and FTA. At this time staff is waiting to hear from the Federal agencies with an approval and hopefully staff will get that by the last week of September so we can start the program on October 1<sup>st</sup> which starts our FY 2020. Discussion ensued.

Aaron Dawson stated that the TIP document for Flint was reviewed and no issues were found. An official announcement will be made around the last week of September.

- C.  **FY 2020 Unified Work Program (UWP) Update**  
Jason Nordberg stated that staff submitted the Work Program. The state has sent it over to the Federal agencies which have sent something over to the state recommending approval. At this time staff is waiting for the official report and project authorizations.

Aaron Dawson stated that they are done with their review so staff should be hearing something soon.

- \*\*\*D.  **MDOT Call for Highway Safety Improvement Safety Program (HSIP) projects, Highway Safety Improvement Program Streamlined Systemic Safety Program Projects, and Call for High Risk Rural Road (HRRR) projects**  
Zachary Sompels stated that in May MDOT released their Call for Safety Projects. The Genesee County Road Commission was the only agency that submitted projects. Staff used the Time of Return analysis to rank the projects. At this time, staff is recommending the Technical Advisory Committee provide an approval of the prioritized list of projects to the Metropolitan Alliance. Discussion ensued.  
**Motion: Action:** Approve, **moved by** Andrea Schroeder, **supported by** Tom Svrcek, to recommend approval of the prioritized list of projects as presented to the Metropolitan Alliance.

- E.  **Genesee: Our County, Our Future Plan Update**  
Jacob Maurer stated that this is the plan that is going to meet the requirements of the 2045 Long Range Transportation Plan for Genesee County as well as some of the requirements for Community Development and Environmental. Mr. Maurer presented the Genesee: Our County, Our Future website to the committee. It is a stand-alone site from the GCMPC website. Mr. Maurer asked the committee for feedback.

Derek Bradshaw mentioned to the committee that staff is looking for high quality photos from the communities in Genesee County. Discussion ensued.

The Genesee: Our County, Our Future Plan will go out for public comment mid-November and the document will be available for review at that time.

V. **New Business**

A.  **FY 2020 MDOT Transportation Improvement Program (TIP) Project Planning Guide and National Environmental Policy Act (NEPA) Information**

Sharon Gregory stated that staff included in the TAC packet a copy of the Local Agency Programs Project Guide. This is the guide that staff uses when they go out to visit local agencies that have FY 2020 TIP projects. Agencies are encouraged, as much as possible, to follow the highlighted dates for an April obligation for 2020 projects. This year with the extended NEPA application, staff is going out earlier to meet with local agencies. Even for a simple paving project it could take up to two additional months. Discussion ensued.

Derek Bradshaw mentioned having MDOT come in and talk about the importance of this planning guide, and having engineers/consultants in the room at the same time. Staff will work with MDOT on setting up a meeting.

B.  **Draft Genesee County 2045 Long Range Transportation Plan (LRTP) Capacity Project List**

Jacob Maurer stated that back in July staff issued a 2045 LRTP Call for Capacity Projects. Ten (10) applications were received, nine from the Genesee County Road Commission and one (1) from the City of Swartz Creek. With the funding that is projected only one (1) project will be able to be done and the rest will be added to an illustrative list. The Transportation System Management (TSM) Subcommittee approved this draft list which allowed staff to move ahead with public comment. These projects along with locally approved FY 2020 – 2023 TIP projects will be packaged into the Genesee: Our County Our Future Plan document and be presented for approval from this committee and the Metropolitan Alliance in January.

C.  **Roundabout Implementation Study for Genesee County Intersections Update**

Staff put out a Roundabout Implementation Study Request for Proposal (RFP) that closed in July. Five (5) proposals were received and staff reviewed those and came up with a recommendation for the most qualified consultant. That is going through the committee approval process right now, and staff hopes to have a contract signed in October. The study will take about a year and once it's done staff will have a roundabout suitability score for each intersection. The consultants will be doing an analysis and providing staff with micro simulations, and some early preliminary engineering on the intersections that have a high suitability score. A high suitability score means they would transition well into a roundabout. The goal behind the study is to

have a document that staff can make available to the road agencies and the communities to provide them with solid engineering background on roundabouts. Staff will have further information to share at the next meeting. Discussion ensued.

Jason Nordberg advised that the study will provide simulations for a select number of intersections that will help to visualize how a proposed roundabout is going to work.

Lynn Markland announced that the City of Fenton is in the process of their first roundabout, and looking into doing their own video for the public information piece.

VI.  **Other Business**  
None

VII.  **Announcements**

Lane Masoud, MDOT, stated that the Mass Transportation Authority (MTA) was recently named the Urban Transportation System of the Year by the Community Transportation Association of America (CTAA).

Jacob Maurer announced that MDOT sent staff boxes of the updated Bay Region Road and Trail Bicycle Guide maps, and encouraged attendees to take a bundle for their agencies.

Jacob Maurer stated that Terrain 360 is a company that is mapping the region's and Genesee County's river and hiking trails. This is a partnership between Genesee County and the I-69 Thumb Region. At this time, Terrain 360 is working on stitching the imagery together. Staff expects to have something to announce next month and will send e-mails on how to use the imagery.

Tom Svrcek thanked GCMPC staff for all they do for the local agencies.

Jason Nordberg announced that there are fliers available today for the upcoming Recycle Day events.

VIII.  **Adjournment**

Vice Chairperson Johnston adjourned the meeting at 2:48 p.m.

Respectfully submitted,  
Debby Compton, Secretary  
Genesee County Metropolitan Planning Commission

## MEMORANDUM

**TO:** Members of the Technical Advisory Committee

**FROM:** Sharon Gregory, Lead Planner  
Genesee County Metropolitan Planning Commission (GCMPC)

**DATE:** October 3, 2019

**SUBJECT: National Environmental Policy Act (NEPA) Information Session  
Presented by the Michigan Department of Transportation (MDOT)**

MDOT will be presenting a NEPA session on Tuesday, October 29<sup>th</sup> at 9:30 a.m. in the GCMPC Conference Room. There will be a short presentation followed by a question and answer session. Local road agencies and their engineers are invited to attend. The purpose of the meeting is to provide information on the NEPA process which will benefit those with upcoming Transportation Improvement Program (TIP) projects.

The NEPA process could add anywhere from two months (simple project) to six months (complex project) to your timeline, before your Grade Inspection (GI) package is submitted. For all GI packages submitted on or after October 1, 2019, MDOT's Form 5323 is required. A copy of the form is attached. Staff is encouraging all road agencies to have their GI package to MDOT by the first week of January 2020. Agencies should begin work on their Form 5323 as soon as possible.

If you have any questions on this NEPA session, please feel free to contact me at [sgregory@co.genesee.mi.us](mailto:sgregory@co.genesee.mi.us) or at 810-766-6545.

# LOCAL AGENCY ENVIRONMENTAL CLEARANCE FORM

## SOCIAL, ECONOMIC AND ENVIRONMENTAL EVALUATION

*The National Environmental Policy Act (NEPA) of 1969 [42 USC § 4331] is a US environmental law enacted to 'encourage productive and enjoyable harmony between man and his environment'. Its aim is to protect and preserve social and cultural resources, economic welfare, and the preservation/protection of the natural environment.*

Under NEPA, all federal undertakings (receiving federal aid, permits, licensing or oversight) must have an environmental evaluation completed prior to the start of project construction or implementation. The following MDOT environmental evaluation form is provided on behalf of local road agencies to ensure federally funded or permitted road projects are compliant with NEPA standards. A complete and MDOT approved evaluation form must be on file before funding can be released. Failure to complete an environmental evaluation will result in delay or loss of funding.

The form is separated into four sections:

**Section I - Project Detail and Contacts**: This section identifies the local agency project subject to environmental review under the National Environmental Policy Act (NEPA). The 'preparer' as described in this document is the lead worker responsible for identifying and classifying environmental impacts as it relates to the federal undertaking.

**Section II – Project Mapping**: This section is reserved for uploading a project map which identifies environmental resources/areas of concern within the immediate project area. A project map is required for each submittal.

**Section III – Environmental Factors**: This section evaluates each environmental factor as it pertains to the local agency road project. Read through each section and respond accordingly. If the project requires a permit for a particular factor, indicate so in the space provided.

**Section IV – Classify & Certify**: This section is reserved for the NEPA classification of the proposed local agency transportation project. The classification is determined by the preparer. The classification determination must be accepted and certified by the local agency (if different from the preparer).

List of acronyms found throughout this document:

BMP – Best Management Practice	NEPA – National Environmental Policy Act
EGLE - Environment, Great Lakes, and Energy (Formerly MDEQ)	NPDES – National Pollution Discharge Elimination System
FEMA – Federal Emergency Management Agency	OHWM – Ordinary High-Water Mark
MDARD – Michigan Department of Agricultural and Rural Development	ROW – Right of Way
MDNR – Michigan Department of Natural Resources	TMDL – Total Maximum Daily Load
MDOT – Michigan Department of Transportation	USACE – United States Army Corps of Engineers
	USCG – United States Coast Guard
	USDA – United States Department of Agriculture
	USFWS – United States Fish and Wildlife Service

**Disclaimer**: There are links and resource material embedded within this document. They are intended as reference material to assist in the preparation of the Local Agency Environmental Clearance Form. The information present may or may not be the most recent source of data. It is incumbent upon the preparer to ensure an honest and accurate review of the project is performed using the latest resources and material available.

**Section I**

**PROJECT DETAIL & CONTACTS**

PROJECT DETAIL		
<input type="checkbox"/> <b>NEW APPLICATION</b> <input type="checkbox"/> <b>REVISED APPLICATION</b>		
RESPONSIBLE LOCAL AGENCY NAME		MDOT JOB #
DATE OF SUBMITTAL	ROUTE(S)	PROJECT LENGTH (MILES)
PROJECT LIMITS (FROM / TO)		
BRIDGE CROSSING(S) (EX: ELM @ 1 <sup>ST</sup> STREET)		
DETAILED WORK DESCRIPTION (INCLUDE <u>ALL</u> WORK ITEMS AS PART OF THIS PROJECT I.E. DRAIN CLEANING, CURB AND GUTTER REPLACE, GUARDRAIL REPLACEMENT)		
IF REVISED, LIST CHANGES MADE SINCE LAST SUBMISSION		

PREPARER INFORMATION		
FIRST NAME	LAST NAME	TITLE
COMPANY / AGENCY		
TELEPHONE NUMBER	E-MAIL	

LOCAL AGENCY CONTACT <input type="checkbox"/> SAME AS ABOVE		
FIRST NAME	LAST NAME	TITLE
NAME OF AGENCY		
TELEPHONE NUMBER	E-MAIL	

**SECTION II****PROJECT MAPPING**

**Mapping Documentation** – Please attach a project map that displays the following:

- ❖ All locations/limits of the project (e.g. road limits, bridge and culvert locations, non-motorized pathways, ditching, utility relocation, streetscape items, new water retention/detention areas or any other item not described which could have potential environmental impacts).
- ❖ To the best of your ability, identify the following resources within the project study area.
  - Historic properties/districts (public and private), archaeological areas, cemeteries
  - Names of rivers/streams/drains – note if designated ‘wild and scenic’, ‘natural’ or ‘commercially navigable’
  - Known hazardous/toxic sites
  - Wetlands
  - Public parks, recreation areas, refuges, trails (watertrails included), boat access
  - USACE/EGLE coastal zone
  - FEMA floodplain
  - PA 116 enrolled properties
- ❖ A basemap for spatial reference (aerial, street, topo). If hand drawn, label street names and intersections.
- ❖ A legend / key and map title.

**MDOT Mapping Tool** – MDOT has published an online mapping tool to assist local agencies in identifying environmentally sensitive resources that may be impacted by their project. Local agencies are free to use this resource to assist them in creating their map. [Click here to access](#)

**SECTION III  
ENVIRONMENTAL CONSIDERATIONS**

**NATIONAL WILD AND SCENIC RIVERS AND STATE DESIGNATED NATURAL RIVERS**

IF **YES**, DOES THE PROJECT DIRECTLY OR INDIRECTLY IMPACT EITHER A FEDERALLY DESIGNATED NATIONAL WILD AND SCENIC RIVER OR STATE DESIGNATED NATURAL RIVER (WORK BELOW OHWM)? IF **NO**, THIS SECTION IS COMPLETE.

YES

NO

PROVIDE COMMENT ON THE PROJECTED IMPACTS, WHY THEY ARE NECESSARY, AND WHY THEY CANNOT BE AVOIDED. DESCRIBE WHAT IS BEING DONE TO AVOID OR MINIMIZE IMPACTS.

APPLICABLE PERMIT(S)	PERMIT NEEDED	
	YES	NO
<b>USFWS – SECTION 10 THREATENED AND ENDANGERED SPECIES / WILD-SCENIC RIVERS</b>	<input type="checkbox"/>	<input type="checkbox"/>

**COMMERCIALLY NAVIGABLE RIVER OR STREAM**

WILL THE PROJECT INTERSECT A COMMERCIALLY NAVIGABLE SECTION 10 RIVER OR STREAM AS DESIGNATED BY THE USACE? IF **NO**, THIS SECTION IS COMPLETE.

YES

NO

IF **YES**, DOES THE PROJECT HAVE ANY DIRECT OR INDIRECT IMPACTS TO THE RIVER OR STREAM (WORK BELOW OHWM)? IF **NO**, THIS SECTION IS COMPLETE.

YES

NO

IDENTIFY THE NAME OF THE RIVER OR STREAM AND DESCRIBE IMPACTS:

DESCRIBE ANY AVOIDANCE OR MINIMIZATION MEASURES BEING IMPLEMENTED:

SUMMARIZE ANY COMMUNICATIONS WITH EGLE, USACE, OR USCG REGARDING IMPACTS TO NAVIGABLE WATERS

APPLICABLE PERMIT(S)	PERMIT NEEDED	
	YES	NO
<b>USCG SECTION 9 NAVIGABLE WATERS – STRUCTURES:</b> CONSTRUCTION/MODIFICATION OF ANY BRIDGE SPANNING NAVIGABLE WATERS	<input type="checkbox"/>	<input type="checkbox"/>
<b>USACE – SECTION 10 NAVIGABLE WATERS</b>	<input type="checkbox"/>	<input type="checkbox"/>



**MORE INFO**

**COASTAL ZONES**

WILL THE PROJECT BE LOCATED WITHIN A COASTAL ZONE AS DEFINED BY THE EGLE AND USACE? IF

**WETLANDS**

WILL THE PROJECT HAVE A DIRECT IMPACT (FILLING, DREDGING, BUILDING, OR DRAINING) OR INDIRECT IMPACT (ALTERING WATER LEVEL DUE TO ADDITIONAL STORM WATER RUNOFF, CHANGING SIZE OF CULVERTS, WATER CONTROL STRUCTURES) TO A REGULATED WETLAND? IF

**100 YEAR FLOOD**

**WATER Q**

**THREATENED AND ENDANGERED SPECIES**

BASED ON THE

H

□

**SECTION 4(F) PUBLIC PARKS, RECREATION, REFUGE**

DOES YOUR PROJECT RUN THROUGH OR ADJACENT TO A PUBLICLY OWNED AND PUBLICLY ACCESSIBLE PARK, RECREATION, OR REFUGE PROPERTY?  
IF

**SECTION 6(F) GRANT FUNDED PUBLIC PARK, RECREATION, REFUGE**

DOES YOUR PROJECT RUN THROUGH OR ADJACENT TO LANDS OR FACILITIES PURCHASED OR DEVELOPED WITH A LAND AND WATER CONSERVATION FUND? IF **NO**, THIS SECTION IS COMPLETE. YES  NO

IF **YES**, WILL CONSTRUCTION ACTIVITIES HAVE ANY IMPACT ON THESE LANDS (I.E. STAGING, ROW ACQUISITION, PREVENTING/LIMITING ACCESS) YES  NO

IF **YES**, HAS THE DEPARTMENT OF INTERIOR AND/OR DNR BEEN CONSULTED? YES  NO

DESCRIBE THE IMPACTS. DISCUSS PERTINENT CONSULTATION/CORRESPONDENCE WITH THE DEPARTMENT OF INTERIOR AND/OR MDNR. IF THERE IS MITIGATION NEEDED, PLEASE DETAIL BELOW:

**MORE INFO**

**AGRICULTURAL PROPERTIES**

DOES YOUR PROJECT RUN THROUGH OR ADJACENT TO A PA116 - FARMLAND AND PRESERVATION LAND AND/OR PRIME AND UNIQUE FARMLAND? IF PA116 PRIME/UNIQUE NO

DOES YOUR PROJECT REQUIRE PERMANENT ROW OR GRADING PERMITS ON THESE LANDS? NO

DESCRIBE ANY COORDINATION OR CONSULTATION BETWEEN THE LOCAL AGENCY AND MDARD, THE USDA, AND THE PROPERTY OWNER. DESCRIBE ANY AVOIDANCE, MINIMIZATION OR MITIGATION MEASURES BEING PURSUED AS PART OF THE PROJECT. IF APPLICABLE, DISCUSS THE FARMLAND AND CONVERSION IMPACTING RATING SCORE.

### HAZARDOUS AND TOXIC MATERIALS

#### HAZARDOUS AND TOXIC MATERIAL

ARE THERE ANY IDENTIFIED HAZARDOUS OR TOXIC SITES WITHIN THE LIMITS OF YOUR PROJECT (INCLUDE 500' BUFFER)? IF **NO**, THE HAZARDOUS AND TOXIC MATERIAL SECTION IS COMPLETE, PROCEED TO NON-HAZARDOUS BELOW.

YES

NO

IF **YES**, DOES YOUR PROJECT REQUIRE ANY GROUND DISTURBANCE WORK IN THE SUBJECT AREA(S)?

YES

NO

#### NON-HAZARDOUS MATERIAL ONLY

IS THERE NON-HAZARDOUS MATERIAL(S) WITHIN THE LIMITS OF YOUR PROJECT (INCLUDE 500' BUFFER)? IF **NO**, THIS SECTION IS COMPLETE.

YES

NO

IF **YES**, DOES YOUR PROJECT REQUIRE ANY GROUND DISTURBANCE WORK IN THE SUBJECT AREA(S)?

YES

NO

ADDITIONAL COMMENTS:



**MORE INFO**



## NOISE IMPACTS

DOES THIS PROJECT HAVE ANY OF THE FOLLOWING COMPONENTS? IF  **NO**, THIS SECTION IS COMPLETE.

- CAPACITY INCREASE (TRAVEL THROUGH LANE OR AUXILIARY LANE [EXCEPT FOR TURN LANES])
- NEW ROAD - (A ROADWAY THAT CURRENTLY DOES NOT EXIST)
- NEW BOULEVARD

IF ONE OF THE ABOVE IS CHECKED, A NOISE ANALYSIS IS REQUIRED. PLEASE ATTACH A COPY BELOW.

Attachment

PLEASE DESCRIBE ANY NOISE MITIGATION EFFORTS:



## AIR QUALITY

IS THE PROJECT LOCATED IN A NON-ATTAINMENT OR MAINTENANCE AREA? IF <b>NO</b> , THIS SECTION IS COMPLETE.	YES <input type="checkbox"/>	NO <input type="checkbox"/>
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FOR WHICH NAAQS LISTED CRITERIA POLLUTANT?

- PARTICULATE MATTER (PM<sub>2.5</sub> OR PM<sub>10</sub>)
- OZONE (O<sub>3</sub>)
- CARBON MONOXIDE (CO)

OTHER: \_\_\_\_\_

IS THE PROJECT LISTED AS EXEMPT ON THE S/TIP FOR AIR QUALITY? IF <b>YES</b> , THIS SECTION IS COMPLETE.	YES <input type="checkbox"/>	NO <input type="checkbox"/>
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PROJECT LEVEL HOT SPOT ANALYSIS FOR PM OR CO?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
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IF THE PROJECT UNDERWENT HOT SPOT ANALYSIS, PLEASE ATTACH A SUMMARY OF THE FINDINGS, OR, FORWARD A COPY TO MDOT LAP ONCE COMPLETE.

Attachment



**PUBLIC CONTROVERSY**

WAS / IS THERE ANY SOCIAL, ECONOMIC OR ENVIRONMENTAL CONTROVERSY SURROUNDING THIS PROJECT? IF

**SECTION IV  
CLASSIFY & CERTIFY**

PROJECT CLASSIFICATION	
BASED ON THE SCOPE OF WORK, EVALUATION OF THE SOCIAL, ECONOMIC, AND ENVIRONMENTAL ISSUES, AND IN ACCORDANCE WITH FEDERAL GUIDELINES AND REGULATIONS, WE, THE PARTIES SIGNED BELOW, RECOMMEND THE PROJECT BE CLASSIFIED AS THE FOLLOWING:	
<input type="checkbox"/> <b>CLASS I</b> – PREPARATION OF AN ENVIRONMENTAL IMPACT STATEMENT – ‘MAJOR FEDERAL ACTIONS SIGNIFICANTLY AFFECTING THE QUALITY OF THE HUMAN ENVIRONMENT’	
<input type="checkbox"/> <b>CLASS II</b> – CATEGORICAL EXCLUSION	
<input type="checkbox"/> <b>CLASS III</b> – PREPARATION OF AN ENVIRONMENTAL ASSESSMENT	FONSI DATE: _____

PROJECT CERTIFICATION		
WE HEREBY CERTIFY THIS DOCUMENT TO BE TRUE AND ACCURATE FOR FULFILLING THE FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND REQUIREMENTS AND THAT THIS DOCUMENT HAS NOT BEEN MODIFIED IN ANY WAY FROM THE DATE OF CERTIFICATION DETAILED BELOW.		
AFFIX PREPARER'S LICENSED PROFESSIONAL ENGINEER'S SEAL		
PREPARER REGISTRATION NUMBER	EXPIRATION DATE	
SIGNATURE OF PREPARER	DATE	NAME OF CONSULTANT/AGENCY
LOCAL AGENCY SIGNATORY (IF DIFFERENT FROM PREPARER)	DATE	TITLE
FOR MDOT USE ONLY		
I APPROVE THE ENVIRONMENTAL CLASSIFICATION AS DETERMINED BY THE LOCAL AGENCY.		
MDOT LOCAL AGENCY PROGRAMS PROJECT DEVELOPMENT ENGINEER:		DATE: _____
<input type="checkbox"/> THIS PROJECT REQUIRED FHWA CONCURRENCE	DATE RECEIVED	

COMPLETE FORMS CAN BE SUBMITTED DIRECTLY TO ONE OF THE FOLLOWING PROGRAM MANAGERS:

- \* LYNNETTE FIRMAN (URBAN), FIRMANL@MICHIGAN.GOV
- \* MARK HARRISON (RURAL/BRIDGE), HARRISONM@MICHIGAN.GOV
- \* PAM BLAZO (SAFETY), BLAZOP@MICHIGAN.GOV

**MEMORANDUM**

**TO:** Members of the Technical Advisory Committee

**FROM:** Sharon Gregory, Lead Planner  
Genesee County Metropolitan Planning Commission

**DATE:** October 3, 2019

**SUBJECT: Roundabout Implementation Study of Genesee County Intersections**

On September 25<sup>th</sup> the Genesee County Board of Commissioners approved and signed the contract for Rowe Professional Engineering Services to do the Roundabout Implementation Study. Staff provided the signed contract to the Michigan Department of Transportation (MDOT) and as soon as MDOT approves the contract, work can begin. The Roundabout Implementation Study will take about a year, and will provide recommendations for the location of future roundabouts.

If you have any questions on the Roundabout Implementation Study, please feel free to contact me at [sgregory@co.genesee.mi.us](mailto:sgregory@co.genesee.mi.us) or 810-766-6545.

## MEMORANDUM

**TO:** Members of the Technical Advisory Committee

**FROM:** Zachary Sompels, Planner  
Genesee County Metropolitan Planning Commission

**DATE:** October 3, 2019

**SUBJECT: 2020 Safety Performance Measure Targets**

On August 31<sup>st</sup>, The Michigan Department of Transportation (MDOT) submitted statewide safety targets for calendar year 2020 as required to meet performance measure requirements of the FAST Act annually. The Genesee County Metropolitan Alliance (GCMA) previously adopted the 2019 Statewide Safety Targets last year. GCMA has until February 27, 2020 (180 days after State targets are set) to either adopt the statewide targets or set our own local targets. The five statewide performance targets are listed below, with the 2018 five-year moving average, 2019 target, followed by the 2020 target.

<b>Safety Performance Measure</b>	<b>Baseline Through 2018</b>	<b>Current 2019 State Safety Target</b>	<b>2020 State Safety Target</b>
Fatalities	987.4	1,023.2	999.4
Fatality Rate (per 100 million VMT)	0.99	1.02	0.97
Serious Injuries	5,415.6	5,406.8	5,520.4
Serious Injury Rate (per 100 million VMT)	5.41	5.41	5.34
Non-Motorized Fatalities & Serious Injuries	742.4	759.8	735.8

Staff is in the process of reviewing local crash trends in Genesee County and will see how they relate to the statewide trends. Staff's recommendation on the 2020 Safety Performance Targets will be brought through this committee for approval in November. We have included the State safety targets and a letter from MDOT to the MPO.

Should you have any questions regarding these performance measures, please feel free to contact me at [zsompels@co.genesee.mi.us](mailto:zsompels@co.genesee.mi.us) or 810-257-3010.



STATE OF MICHIGAN  
 DEPARTMENT OF TRANSPORTATION  
 LANSING

GRETCHEN WHITMER  
 GOVERNOR

PAUL C. AJEGBA  
 DIRECTOR

September 6, 2019

Dear Metropolitan Planning Organization Director:

The Michigan Department of Transportation (MDOT) is pleased to provide you with the state targets for the federally required safety performance measures for calendar year 2020. MDOT appreciates the efforts your Metropolitan Planning Organization (MPO) has made to participate in the coordination process as the safety performance area was discussed through the first half of this calendar year.

**State Safety Targets for Calendar Year 2020:**

Safety Performance Measure	Baseline Through Calendar Year 2018	Calendar Year 2020 State Safety Target
Fatalities	987.4	999.4
Fatality Rate	0.99	0.97
Serious Injuries	5,415.6	5,520.4
Serious Injury Rate	5.41	5.34
Nonmotorized Fatalities and Serious Injuries	742.4	735.8

Federal Law and regulations require that MPOs establish targets not later than 180 days after the State Department of Transportation establishes and reports state safety targets in the State Highway Safety Improvement Program (HSIP) annual report. MDOT submitted Michigan's HSIP annual report on August 31, 2019. MPOs are now required to decide on their MPO safety targets for calendar year 2020 no later than February 27, 2020.

MPOs may support all the state safety targets, establish their own specific numeric targets for all the performance measures, or any combination. MPOs may support the state safety target for one or more individual performance measures and establish specific numeric targets for the other performance measures. MDOT expects that the discussions on safety targets will continue through the fall and winter at the Target Setting Coordination meetings.

Metropolitan Planning Organization Directors  
Page 2  
September 6, 2019

Thank you for your participation in the performance measure coordination process.

If you have questions, please contact either me, or John Lanum, Supervisor, Statewide Planning Section, at 517-335-2949 or LanumJ@michigan.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Eric Mullen".

Eric Mullen, Manager  
Statewide Planning Section

cc. John Lanum

# Assessing Safety Performance Highway Safety Improvement Program 2020 Targets

## Target Summary

Measure (5-year rolling average)	Baseline Condition (2014-2018)	2020 Targets (2016-2020)
Number of Fatalities	987.4	999.4
Rate of Fatalities per 100 million VMT	0.99	0.97
Number of Serious Injuries	5,415.6	5,520.4
Rate of Serious Injuries per 100 million VMT	5.41	5.34
Number of Non-motorized (Pedestrian and Bicycle) Fatalities and Serious Injuries	742.4	735.8

Vehicle Miles Traveled (VMT)

## Performance Measure Description

Five performance measures were established for the purpose of carrying out the Highway Safety Improvement Program (HSIP), as noted in the Target Summary, and are based on a 5-year rolling average. The measures will be used to assess traffic fatalities and serious injuries on all public roads regardless of jurisdiction. The intent is to improve national safety data by providing greater consistency in reporting, improve transparency through use of a public reporting system, and enable targets and progress to be aggregated at the national level. The regulation will provide the Federal Highway Administration (FHWA) and the National Highway Traffic Safety Administration (NHTSA) the ability to better communicate a national safety performance story.

Establishing targets is a coordinated effort between the Michigan Department of Transportation (MDOT), the Michigan State Police Office of Highway Safety Planning (MSP-OHSP), and the Michigan Metropolitan Planning Organizations (MPOs). Targets for three of the five measures must be reported to both FHWA and NHTSA, by MDOT and MSP-OHSP respectively, and must be identical. The three measures are: The number of fatalities, rate of fatalities per 100 million Vehicle Miles Traveled (VMT), and number of serious injuries.

MSP-OHSP annually reports the baseline and targets for the subsequent year to NHTSA by July 1 in the Highway Safety Program, thus significant effort must be made to reconcile crash data by May 1 to meet the deadline. The program focuses on reducing fatalities, injuries, and economic losses result from vehicle crashes through behavioral traffic safety programs. MDOT reports the baseline condition and targets to FHWA by August 31, 2019, as part of the HSIP report, and the MPOs have an additional 180 days to report their respective targets to MDOT. The HSIP focuses on reducing fatalities and injuries on all public roads through infrastructure programs and projects to improve safety.

# Assessing Safety Performance Highway Safety Improvement Program 2020 Targets

## Methodology

### *Existing Trend*

The Code of Federal Regulations, Title 23, Chapter I, Subchapter E, Part 490, Subpart B §490.207 prescribes the calculation methodology for each of the five performance measures, summarized as follows: Each performance measure is based on a five-year rolling average. The calculation is the sum of the most recent five consecutive years ending in the year for which the targets are established, dividing by five, and rounding to the tenth decimal place for each measure. The data is obtained from either the Fatalities Analysis Reporting System (FARS) or the State of Michigan Crash Database. For each rate measure, first calculate the number of fatalities or serious injuries per 100 million VMT for the most recent five consecutive years, divide by five, and round to the tenth decimal place.

### *External/Exogenous Factors and Risk Assessment*

The respective parties agreed to utilize a fatality prediction model developed and maintained by the University of Michigan Transportation Research Institute (UMTRI). The UMTRI model relies on results of a recently completed research report titled [Identification of Factors Contributing to the Decline of Traffic Fatalities in the United States](#), which was completed as part of the National Cooperative Highway Research Program project 17-67 ([presentation](#)). The model, predicting the change in counts of fatalities, relies on the correlation between traffic crashes, vehicle miles traveled (VMT), and risk. UMTRI identified four factors that can influence the outcome: the economy, safety and capital expenditures, vehicle safety, and safety regulations. Within the model, economic factors such as the Gross Domestic Product (GDP) per capita, median annual income, the unemployment rate among 16 to 24-year old's, and alcohol consumption had the greatest impact at approximately 85 percent.

## Target Overview

To determine a forecasted value for the five-year rolling average for the first four measures listed above, the decision was made to use the model created by UMTRI like that used for establishing CY 2019 targets in 2018. The change model created by UMTRI predicts 966 fatalities in CY 2019, and 962 in 2020. While serious injuries have fluctuated over the past three years, the linear relationship of the ratio of serious injuries and fatalities (A/K) is still evident. However, this trend suggests greater reduction in serious injuries. Therefore, a quadratic trend is being used that projects a flattening pattern. The model predicts 5,181 serious injuries in CY 2018, and 5,117 in 2019.

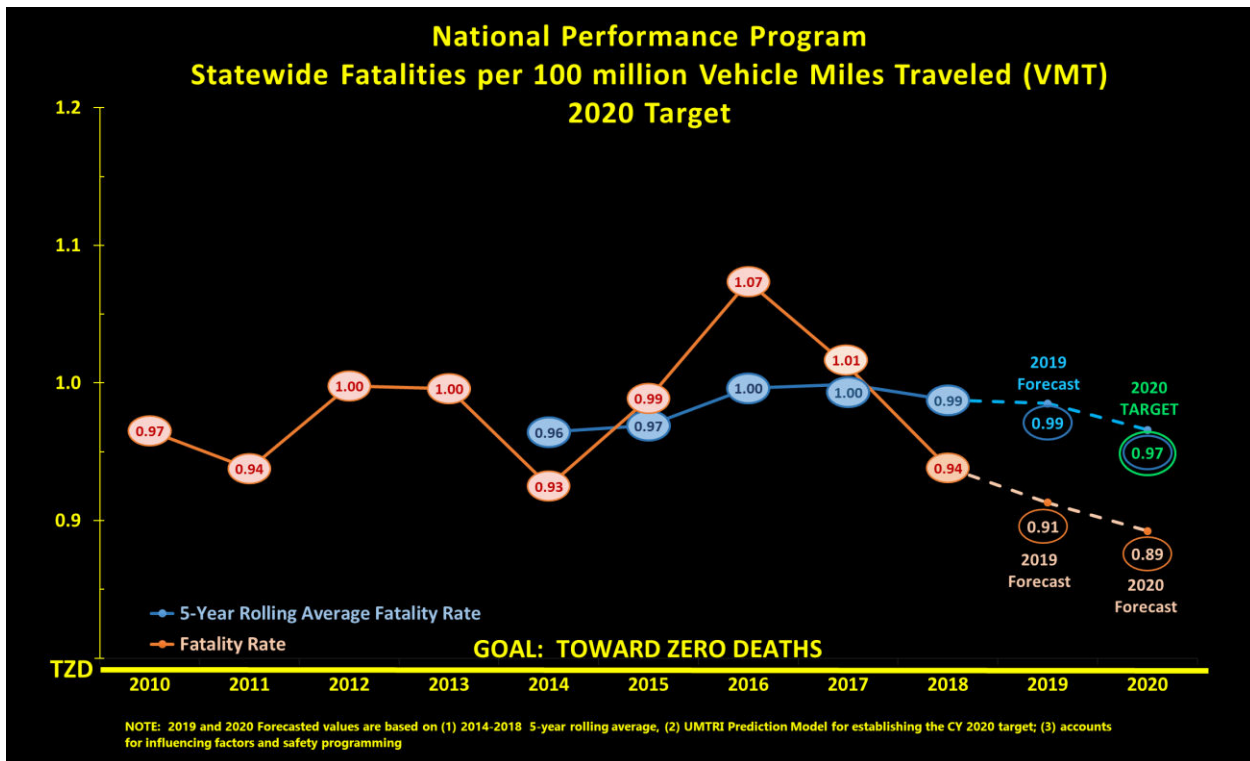
VMT values have been predicted for CYs 2018, 2019 and 2020. Using the fatal and serious injury values, along with the respective predicted VMT, the forecasted fatality rates are 0.91 for CY 2019, and 0.89 for CY 2020, and annual serious injury rates of 4.90 for CY 2019, and 4.75 for CY 2020. Results from the UMTRI model (the fatality and serious injury relationship) were also used to generate non-motorized forecasted annual values of 710 for CY 2019, and 699 for CY 2020.

The above annual forecasted values for CY 2019 and CY 2020 along with the actual values from CY 2016 to 2018 to determine the 2020 Targets (five-year rolling average) are shown in the table. In addition, actual values dating back to CY 2010 are included as part of the determination of the 2018 baseline condition.

# Assessing Safety Performance

## Highway Safety Improvement Program

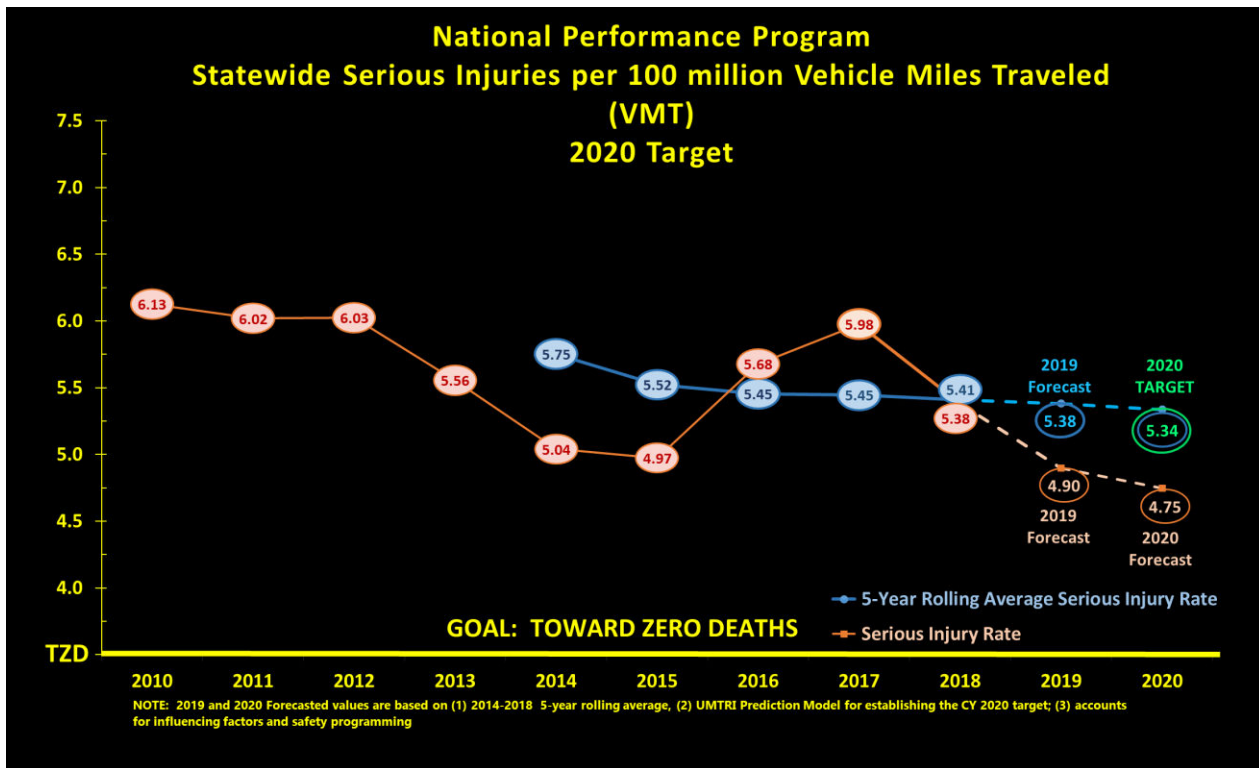
### 2020 Targets



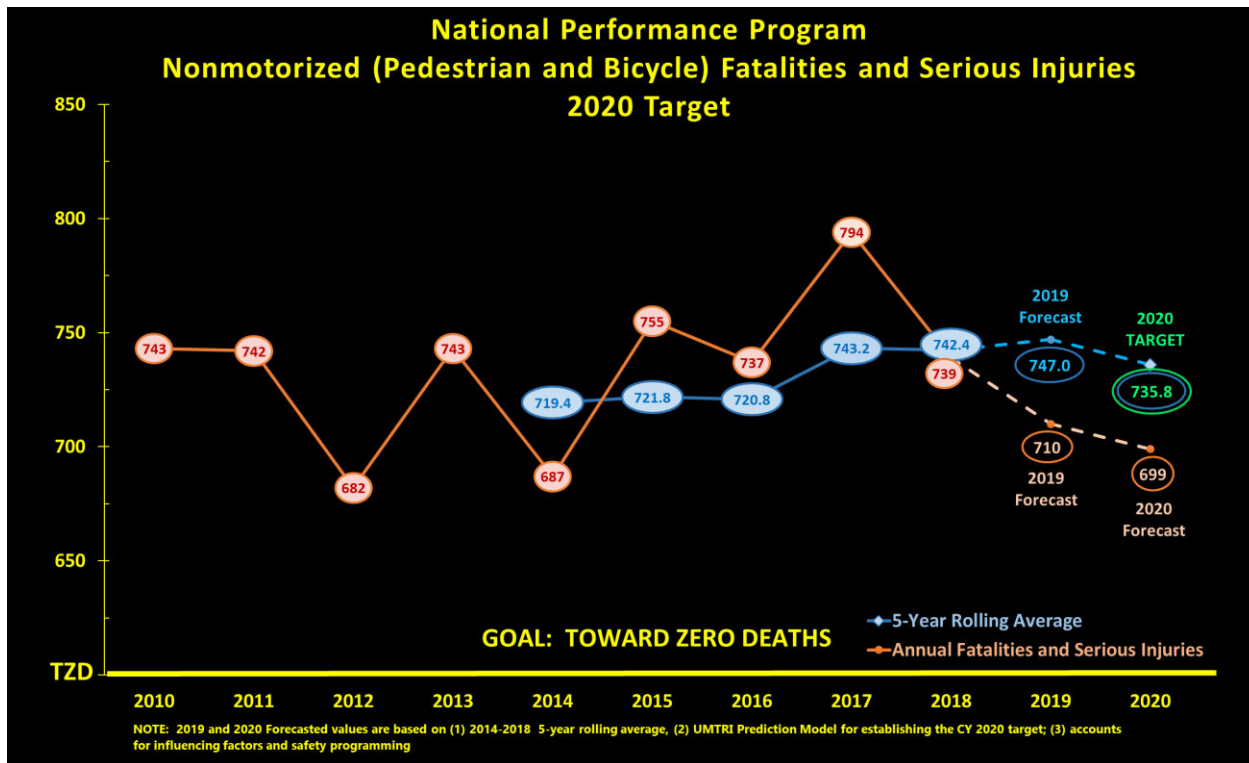
# Assessing Safety Performance

## Highway Safety Improvement Program

### 2020 Targets



# Assessing Safety Performance Highway Safety Improvement Program 2020 Targets



\*Vehicle Miles Traveled (VMT) are shown in 100 million miles traveled. Calendar year 2018 to 2020 values were

State Safety Target Data – Calendar Year 2020 Targets in Red											
Year	Fatality	Serious Injuries	5yr Moving Average		VMT*	Fatality Rate	Serious Injury Rate	5yr Moving Average		Bike Ped Fatality/Serious Injuries	Bike Ped Fatality/Serious Injuries 5yr MA
			Fatality	Serious Injuries				Fatality Rate	Serious Injury Rate		
2010	942	5,980			976	0.97	6.13			743	
2011	889	5,706			948	0.94	6.02			742	
2012	940	5,676			942	1.00	6.03			682	
2013	947	5,283			951	1.00	5.56			743	
2014	901	4,909	923.8	5,510.8	974	0.93	5.04	0.96	5.75	687	719.4
2015	967	4,865	928.8	5,287.8	978	0.99	4.97	0.97	5.52	755	721.8
2016	1,065	5,634	964.0	5,273.4	992	1.07	5.68	1.00	5.45	737	720.6
2017	1,030	6,084	982.0	5,355.0	1018	1.01	5.98	1.00	5.45	794	743.2
2018	974	5,586	987.4	5,415.6	1038	0.94	5.38	0.99	5.41	739	742.4
2019	966	5,181	1,000.4	5,470.0	1058	0.91	4.90	0.99	5.38	710	747.0
2020	962	5,117	999.4	5,520.4	1078	0.89	4.75	0.97	5.34	699	735.8

estimated were made by determining the percent change in VMT for prior years of actual data and estimating future years by applying the percent change. Bolded values are forecasted, not actual.

## MEMORANDUM

**TO:** Members of the Technical Advisory Committee

**FROM:** Sharon Gregory, Lead Planner  
Genesee County Metropolitan Planning Commission

**DATE:** October 3, 2019

**SUBJECT: FY 2020-2023 Transportation Improvement Program (TIP)  
Amendment # 2**

Attached is the description of proposed projects in the FY 2020-2023 TIP Amendment # 2. This amendment adds four (4) projects, changes four (4) projects and deletes four (4) projects in the FY 2020-2023 TIP.

This amendment meets the financial constraints of the TIP and will have no disproportionately high or adverse impacts to any of the identified Environmental Justice (EJ) populations in Genesee County. The projects that are being amended are eligible for the funding programmed, and they meet the intended state (including State TEDF Category C) and federal goals and objectives identified for the funding.

At this time, staff is recommending endorsement of attached Amendment #2 to the FY 2020-2023 Transportation Improvement Program from the Technical Advisory Committee to the Genesee County Metropolitan Alliance.

**FY 2020-2023 Transportation Improvement Program  
Proposed Amendment # 2**

**Projects Proposed to be Added with a TIP Amendment**

Year	MDOT Job Number	Agency	Project	Length	Limits	Description	Phase	Fund Type	Federal	State	Local	Total Cost	Comments	GPA
2020	208836	MDOT	I-75 North	8.8	South Genesee County Line to US-23	Mill and One Course Hot Mix Asphalt Overlay	PE	IM	\$156,697	\$17,411	\$0	\$174,108	New Project	n/a
2021	202851	MDOT	Modernization of M-21 Traffic Signals	n/a	M-21 at Ballenger Hwy.; M-21 at Dye Rd.; M-21 at Mansour Dr.	Connected Vehicle Installations	CON	STG	\$755,254	\$0	\$0	\$755,254	New Project	n/a
2021	208836	MDOT	I-75 North	8.8	South Genesee County Line to US-23	Mill and One Course Hot Mix Asphalt Overlay	CON	IM	\$5,850,013	\$650,001	\$0	\$6,500,014	New Project	n/a
2023	202002	MDOT	M-54	n/a	Over Gilkey Creek	Culvert Replacement	UTL	ST	\$204,625	\$39,703	\$5,672	\$250,000	New Project	n/a

**Project Proposed to be Changed with a TIP Amendment**

Year	MDOT Job Number	Agency	Project	Length	Limits	Description	Phase	Fund Type	Federal	State	Local	Total Cost	Comments	GPA
<del>2019</del> 2020	202898	Genesee County Road Commission	Upgrade Signalized Intersections at 14 Locations	n/a	Irish Rd. & Court St.; Owen Rd. & Jennings Rd.; Linden Rd. & Court St.; Linden Rd. & Miller Rd.; Miller Rd. & Lennon Rd.; Miller Rd. & Valley Plaza; Miller Rd. & Manwaring Dr.; Bristol Rd. & Fenton Rd.; Bristol Rd. & Van Slyke Rd.; Miller Rd. & drive west of Lennon Rd.; Miller Rd. & Austins Parkway; Genesee Rd. & Richfield Rd.; Linden Rd. & Pierson Rd.; Pierson Rd. & Pier North Blvd.	Install Signal Backplates	CON	HSIP	\$82,800	\$0	\$9,200	\$92,000	Moving project from FY 2019 to FY 2020	n/a
<del>2019</del> 2020	120049	Genesee County Road Commission	Hill Rd.	2.1	Fenton Rd. to Saginaw Rd.	Traffic Signal Upgrades at 9 Intersections	CON	CMG	\$641,556	\$0	\$0	\$641,556	Moving project from FY 2019 to FY 2020	n/a
<del>2019</del> 2020	127231	MDOT	M-15	0.21	At Clark Street	Add Center Left Turn Lane	ROW	CM	\$613,875	\$136,125	\$0	\$750,000	Moving project from FY 2019 to FY 2020	n/a
2021	202639	MDOT	M-13	17.7	Frances Rd. to I-69	Non-Freeway Signing Replacement	CON	STG	\$264,500	\$0	\$0	\$264,500	Change in project length from 9.8 miles to 17.7 miles	n/a

**Project Proposed to be Deleted with a TIP Amendment**

Year	MDOT Job Number	Agency	Project	Length	Limits	Description	Phase	Fund Type	Federal	State	Local	Total Cost	Comments	GPA
2021	207637	City of Flint	Robert T. Longway Blvd.	0.5	Chavez Dr. to E. Boulevard Dr.	Road Capital Preventive Maintenance	PE	STU	\$91,906	\$0	\$23,019	\$114,925	City of Flint will use all local funds for this PE	n/a
2022	201668	MDOT	Michivan	n/a	Areawide in Genesee County	Ridesharing Program	NI	CMG	\$45,507	\$0	\$0	\$45,507	This Job Number is being abandoned but the project is being reprogrammed as JN 208554	n/a
2020	201697	MDOT	Michivan	n/a	Areawide in Genesee County	Ridesharing Program	NI	CMG	\$38,955	\$0	\$0	\$38,955	This Job Number is being abandoned but the project is being reprogrammed as JN 208522	n/a
2021	201705	MDOT	Michivan	n/a	Areawide in Genesee County	Ridesharing Program	NI	CMG	\$40,123	\$0	\$0	\$40,123	This Job Number is being abandoned but the project is being reprogrammed as JN 208553	n/a

CM--Congestion Mitigation & Air Quality  
 CMG--Congestion Mitigation & Air Quality - 100% Federal  
 IM--Interstate Maintenance - No Added Lanes  
 HSIP--Highway Safety Improvement Program--SAFETEA-LU

ST--Surface Transportation Program (STP) - Any Area  
 STG--STP--Safety--100% Federal for ST  
 STU--STP--Urban Areas > 200,00

**JobNet Clean-Up--Corrections Required by JobNet**

Year	MDOT Job Number	Agency	Project	Limits	Length	Description	Phase	Fund Type	Federal	State	Local	Total Cost	Comments	GPA
2020	127539	MDOT	I-75 South	I-75 at M-57; US-23 at Silver Lake Rd.; I-69 at I-475	n/a	Installation of Various Road Weather Information Systems	CON	ST	\$371,640	\$84,360	\$0	\$456,000	Due to technical issues during the move from the old TIP to the new TIP, this project did not appear in the JobNet listing and needs to be added.	Trunkline Traffic Operations and Safety
2020	207659	City of Burton	S. Saginaw St.	Judd Rd. to Bristol Rd.	0.5	Road Rehabilitation	PE	STU	\$68,920	\$0	\$18,080	\$87,000	Due to technical issues during the move from the old TIP to the new TIP, this project did not appear in the JobNet listing and needs to be added.	n/a
2020	207802	City of Fenton	W. Shiawassee Ave.	Bent Oak St. to Adelaide St.	0.6	Road Rehabilitation	CON	STU	\$351,578	\$0	\$159,354	\$510,932	Due to technical issues during the move from the old TIP to the new TIP, this project did not appear in the JobNet listing and needs to be added.	n/a