

**Air Quality Conformity Analysis
for
Grand Rapids, MI Conformity Area
(Kent and Ottawa Counties)**

Final

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1.0 Conformity

1.1 Introduction

Transportation conformity provisions of the Clean Air Act Amendments require metropolitan planning organizations (MPOs) make a determination that the Long-Range Transportation Plan (LRTP), Transportation Improvement Program (TIP), and projects conform to the State Implementation Plan (SIP) and regional emissions will not negatively impact the region's ability to meet the National Ambient Air Quality Standards (NAAQS).

Conformity to the SIP means that the region's LRTPs and TIPs 1) will not cause any new violations of the NAAQS; 2) will not increase the frequency or severity of existing violation; and 3) will not delay attaining the NAAQS. A demonstration is conducted by comparing emissions estimates generated from implementation of LRTPs and TIPs for analysis years to the motor vehicle emissions budgets (MVEBs) contained in the maintenance SIP.

The purpose of this report is to document the process and findings of the transportation conformity analysis for the conformity area.

1.2 Conformity Area and Conformity

The conformity area consists of two counties: Kent and Ottawa. Within the boundary is the MPO of Grand Valley Metro Council (GVMC), parts of the West Michigan Metropolitan Transportation Planning Program (WestPlan) and Macatawa Area Coordinating Council (MACC), as well as the rural projects contained in the State Transportation Improvement Program (STIP).

Findings of the transportation conformity analysis are for projects contained within the conformity area for:

- GVMC 2040 LRTP,
- GVMC 2017-20 TIP,
- WestPlan 2040 LRTP,
- WestPlan 2017-20 TIP,
- MACC 2040 LRTP,
- MACC 2017-20 TIP, and
- STIP.

1.3 Conformity Finding

The staff of the GVMC, WestPlan, and MACC finds that the LRTPs and TIPs conform to the SIP for the 1997 ozone standard based on the results of this conformity analysis. This report makes the determination that the region's transportation plan and programs satisfy all applicable criteria and procedures in the conformity regulations.

This conformity analysis document was subject to public comment periods. For GVMC that period was Feb. 27 - March 20, 2019; for WestPlan, Feb. 28 – March 20, 2019; and for MACC, March 5 – March 25, 2019.

The MPO policy committee made a formal conformity determination, through a resolution, at the GVMC Policy Committee on March 20, 2019; the WestPlan Policy Committee on March 20, 2019; and the MACC Policy Committee on March 25, 2019.

1.4 Results of Conformity Analysis

Conformity is demonstrated when the analysis-year emissions are equal to or less than the SIP budget. For the 1997 ozone standard, as shown in Table 1, the emissions results for the analysis years show that the volatile organic compounds (VOC) and nitrogen oxides (NOx) emissions are lower than the SIP budgets; thus, conformity for the ozone standard is demonstrated.

Table 1: Results of 1997 Ozone Standard Conformity Analysis

Analysis Year	Emissions (tons/day)	
	VOC	NOx
SIP Budget	40.7	97.87
2020	10.02	11.27
2030	6.13	5.20
2040	4.34	3.22

2.0 Background and Attainment Status

2.1 Background

The Federal Clean Air Act Amendments of 1990 (CAAA) established rules to improve the air, protect public health, and protect the environment. The act requires the U.S. Environmental Protection Agency (EPA) to set, review, and revise the National Ambient Air Quality Standards (NAAQS) periodically.

The Clean Air Act links together air quality planning and transportation planning through the transportation conformity process. Air quality planning is controlled by Michigan's SIP, which includes the state's plans for attaining or maintaining the NAAQS. The main transportation planning tools are the metropolitan LRTP and the metropolitan TIP. Transportation conformity ensures that federal funding and approval are given to highway and transit activities that are consistent with the SIP and that these activities will not affect Michigan's ability to achieve the NAAQS.

Transportation activities that are subject to conformity are LRTPs, TIPs, and all non-exempt federal projects that receive Federal Highway Administration (FHWA) or Federal Transit Administration (FTA) funding or approval. The conformity process ensures emissions from LRTP, TIP, or projects are within acceptable levels specified within the SIP and meet the goals of the SIP.

Transportation conformity only applies to on-road sources and transportation-related pollutants: ozone, particulate matter (particulate sizes 2.5 and 10), nitrogen dioxide, and carbon monoxide.

In addition to emissions that are directly emitted, regulations specifically require certain precursor pollutants to be addressed. Precursor pollutants are those pollutants that contribute to the formation of other pollutants. For example, ozone is not directly emitted but created when NO_x and VOC react with sunlight.

When the EPA revises a NAAQS, all areas of the country are evaluated to determine if monitored levels of the pollutant are at or below the standard; these areas are classified as attainment. If the pollutant level is above the standard, these areas are classified as nonattainment. MPOs in areas classified as nonattainment or maintenance must conduct conformity analysis on their transportation programs.

2.2 Attainment Status

On April 15, 2004, the EPA issued final designations of areas not attaining the 1997 ozone NAAQS (also referred to as 1997 ozone standard). Kent and Ottawa counties were designated a nonattainment area.

On May 16, 2007, the EPA redesignated the area attainment/maintenance, approving and finding adequate motor vehicle emissions budgets for VOC and NO_x for the year 2018.

Placing the area into maintenance, this requires conformity emissions to be compared to the motor vehicle emission budgets contained in the SIP, referred to as SIP budgets.

On July 20, 2012, the EPA designated all of Michigan as attainment for the strengthened 2008 ozone NAAQS.

On July 20, 2013, the EPA partially revoked the 1997 ozone standard, revoking the requirement to do transportation conformity for areas that were in maintenance.

On April 6, 2015, the EPA completely revoked the 1997 ozone standard, which resulted in removal of all transportation conformity requirements.

On Aug. 3, 2018, the EPA designated both Kent and Ottawa counties as attainment for the strengthened 2015 ozone NAAQS (also referred to as 2015 ozone standard).

On April 23, 2018, the FHWA, complying with the court's decision in *South Coast Air Quality Management District v. EPA*, started requiring areas in the country that were maintenance for the 1997 ozone standard and attainment for the 2008 ozone standard to conduct conformity. Later, this was amended to give MPOs until Feb. 16, 2019 to make conformity determinations.

On Aug. 3, 2018, the EPA designated both Kent and Ottawa counties as attainment for the strengthened 2015 ozone NAAQS (also referred to as 2015 ozone standard).

2.3 SIP Budgets

The Grand Rapids Conformity Area has existing maintenance budgets from the 1997 ozone standard maintenance SIP. Regulations require use of these budgets to test against for the ozone standard. Emissions generated must be equal to or less than the SIP budgets, also referred to as the MVEB. MVEB is the portion of the total allowable emissions allocated to highway and transit vehicle use in the maintenance or nonattainment area. By showing emissions are below the MVEB, the LRTPs and TIP are conforming to the SIP.

3.0 Interagency Consultation

Consultation with federal, state, and local transportation authorities is conducted through the Michigan Transportation Conformity Interagency Workgroup (MITC-IAWG). Issues discussed include evaluating and choosing emission models and methods, determining regionally significant project definition, procedures for future MITC-IAWG meetings, and rules for reviewing projects.

An initial MITC-IAWG was held on Oct. 29, 2018, with a meeting to review projects held Dec. 18, 2018; individuals attended in person or by conference call. Summaries of the meetings and all interagency consultation correspondence related to this conformity is in Appendix A. Copies of this conformity analysis were sent to each MITC-IAWG member to review and comment.

4.0 Public Participation

The Public Participation Plan adopted by the MPO Policy Committee establishes the procedures by which the MPOs reach affected public agencies and the public. The same procedures were followed for this document, ensuring the public has an opportunity to review and comment before the MPOs make a determination.

Formal public comment periods for the draft Air Quality Conformity Analysis were held for GVMC Feb. 27 - March 20, 2019; for WestPlan Feb. 28 – March 20, 2019; and for MACC March 5 - 25, 2019. Public comments received and responses to those comments are in Appendix B. No public comments were received.

5.0 Modeled Project in Conformity Analysis

All projects in the LRTPs, TIP, and amendments were evaluated for inclusion in the analysis. Projects classified as non-exempt must be analyzed. Projects with exempt classification that can be modeled with the travel demand model were modeled. Appendix C includes a complete list of the projects evaluated for, and included, in this analysis.

6.0 Transportation Modeling

6.1 Travel Demand Forecasting Models

Nonattainment areas are established independent of MPO boundaries. The conformity area is covered by three travel demand forecasting models: the GVMC, WestPlan, and MACC models. Each of these models were developed in TransCAD modeling software and using the latest demographic and employment data available to generate estimates of travel, vehicle miles of travel (VMT), and speeds. Detailed documentation on each of these models is contained in separate documents available upon request.

6.1.2 GVMC Model

The GVMC model covers all of Kent County and the eastern part of Ottawa County. It was developed by GVMC and is a standard four-step model, with a base year of 2010 and horizon year of 2040. Each of the four steps - trip generation, trip distribution, mode choice, and traffic assignment - are checked for reasonableness against national standards. Final model validation verifies that the assigned volumes replicate actual traffic counts. The decennial 2010 census is the source of population and household base data. Employment data is developed from a private business database verified with local knowledge. Future data is based on the Regional Economic Models, Inc. (REMI) economic and demographic forecasts. The University of Michigan and MDOT jointly develop county-specific forecast data.

6.1.3 WestPlan Model

The WestPlan model covers all of Muskegon County and the northwest portion of Ottawa County. Only the part in Ottawa County is considered for this analysis. The model was developed

by MDOT and is a standard four-step model with time of day, a base year of 2010 and horizon year of 2040. Each of the four steps - trip generation, trip distribution, mode choice, and traffic assignment - are checked for reasonableness against national standards. Final model validation verifies that the assigned volumes replicate actual traffic counts. The decennial 2010 census is the source of population and household base data. Employment data is developed from a private business database verified with local knowledge. Future data is based on the Regional Economic Models, Inc. (REMI) economic and demographic forecasts. The University of Michigan and MDOT jointly develop county-specific forecast data.

6.1.4 MACC Model

The MACC model covers the greater Holland and Zeeland area and is half in Allegan County and half in Ottawa County. Only the part in Ottawa County is considered for this analysis. It was developed by MDOT and is a standard four-step model with time of day, a base year of 2010 and horizon year of 2040. Each of the four steps - trip generation, trip distribution, mode choice, and traffic assignment - are checked for reasonableness against national standards. Final model validation verifies that the assigned volumes replicate actual traffic counts. The decennial 2010 census is the sources of population and household data. Future socio-economic data for the horizon year was created using the Community Viz scenario planning tool. The scenario used for the horizon year was based off growth trends from the American Community Survey data. Employment data is developed from a private business database verified with local knowledge. Future data is based on the Regional Economic Models, Inc. (REMI) economic and demographic forecasts. The University of Michigan and MDOT jointly develop county-specific forecast data.

6.1.5 Coding Travel Demand Model Links for NFC by Urban and Rural

For emission modeling, the National Functional Classification (NFC) system is used to determine the function of roads; however, NFCs after 2010 do not distinguish roads by urban and rural. The emission model, Motor Vehicle Emission Simulator (MOVES), requires roads to be classified as urban or rural. MOVES requires roads to be grouped into one of four road types: rural restricted, rural unrestricted, urban restricted, and urban unrestricted. To determine a road's urban or rural status, roads within the adjusted census urban boundary were considered urban and those outside as rural. NFCs designated as interstate and other freeways are considered restricted while all others are considered unrestricted. The Michigan Geographic Framework (GIS digital base map) was used to combine NFC with adjusted census urban boundary to generate MOVES road types for the network.

6.1.6 Highway Performance Monitoring System (HPMS)

The EPA and FHWA endorse HPMS as the source of VMT estimates. The travel demand modeling VMT is aggregated by NFC road types for the county then normalized to HPMS

data for the base year/ validation year of the travel demand models. Normalization factors were applied to all analysis years.

6.2 Analysis Years

Analysis years were determined by the MITC-IAWG. Projects requiring modeling are grouped into an analysis year based on the projects open to traffic date. Emissions are generated for each analysis year.

Analysis Year	Reason
2020	Interim year (so analysis years not more than 10 years apart)
2030	Interim year (so analysis years not more than 10 years apart)
2040	Last year of long-range transportation plans

7.0 Latest Planning Assumptions

7.1 Demographic Data

The most current and future assumptions developed or approved by the MPO were used in the development of the travel demand models. Table 2 shows base and future year population and employment by county from the travel demand models.

Table 2: Base and Future Year Population and Employment by County

County	Population		Employment	
	2010	2040	2010	2040
Kent County	602,607	658,463	391,786	456,265
Ottawa County	236,716	275,601	101,828	115,377

7.2 Vehicle Miles of Travel

Vehicle miles of travel (VMT) is one measure of travel. Current and future levels of travel and growth rates are provided in Table 3.

Table 3: Vehicle Miles of Travel and Growth Rate by County

	Analysis year			
Kent County	Base Year 2010	2020	2030	2040
VMT	15,658,125	16,322,529	17,053,718	17,718,602
Growth Rate	1.000	1.042	1.089	1.132
	Analysis year			
Ottawa County	Base Year 2010	2020	2030	2040
VMT	6,119,783	6,395,068	6,760,736	7,122,859
Growth Rate	1.000	1.045	1.105	1.164

7.3 Vehicle Hours of Travel

Vehicle hours of travel (VHT) is an indicator of congestion. Current and future levels are provided in Table 4.

Table 4: Vehicle Hours of Travel by County

	Analysis year			
Kent County	Base Year 2010	2020	2030	2040
VHT	369,445	386,815	405,025	420,236
	Analysis year			
Ottawa County	Base Year 2010	2020	2030	2040
VHT	159,205	161,559	172,970	183,176

7.4 Transportation Control Measures

There are no transportation control measures (TCMs) identified in the applicable state implementation plan. Thus, no measures are included at this time.

8.0 Emission Modeling

8.1 MOVES Specifications

The EPA's MOVES version MOVES2014b was used to generate emissions. Ozone is formed in the presence of heat and sunlight, so the highest ozone concentrations are monitored during the summer. This conformity analysis involves generating a summer (July) weekday emissions to simulate the meteorology of a high-ozone summer day.

8.2 Road Type Distribution

HPMS data is used to create MOVES road-type distribution fractions. County-level HPMS passenger data is used for motorcycle and passenger vehicles, and commercial HPMS is used for trucks and buses. HPMS VMT is aggregated to MOVES road types then converted to a fraction, generating a road-type distribution.

8.3 Average Speed

Speed distributions are created using a method developed by EPA for taking a single average speed and creating a distribution. The method generates an average speed fraction by MOVES road type, by day, by hour, and speed bin from speeds generated by the travel demand forecasting models. The same distribution is used for each vehicle type.

8.4 Ramp Fraction

The default VHT ramp fraction of 8 percent was used.

8.5 Average Weekday VMT to Annual VMT

Monthly VMT adjustment factors were obtained from MDOT's data collection area. The EPA's AADVT Converter-Tool MOVES 2014 was used to convert annual average daily VMT to annual VMT, monthly VMT fractions, and daily VMT fractions. Hourly fractions use MOVES default data. For motorcycles, the monthly fractions use MOVES defaults since local data is limited. Future analysis years utilize the same fractions.

8.6 Vehicle Population

The source of the vehicle population is the Michigan Secretary of State (SOS) vehicle registration database of 2012. The database was supplemented with school bus data from the Michigan Department of Education and MDOT public transit bus data. The EPA's default distributions were used to determine intercity bus, refuse truck, single-unit truck, and combination truck categories. The SOS data must be converted to MOVES source (vehicle) types. Table 5 shows how vehicle body style combined with plate type and company code is used to obtain MOVES vehicle types.

Future year vehicle population is based on growth in VMT from base year to analysis year. The growth rate is applied to all MOVES vehicle types. Table 3 shows the VMT for each analysis year and growth rate.

8.7 Vehicle Age Distribution

MOVES requires vehicle age as one of the local data inputs. The Michigan SOS vehicle registration database of 2012 was the source of vehicle ages. Vehicle are assigned to an age group, from 0 to 30-plus, based on model year indicated in the SOS database, with 0 being the newest vehicles (2012 or newer) and each year is its own group until vehicles are 30 years and older, which are aggregated into the 30-plus group. The SOS database is sorted by MOVES vehicle types and age. For intercity buses, refuse trucks, single-unit trucks, and combination trucks, the EPA's default age distribution are used to calculate splits in population because of limited numbers. Base-year age distribution fractions were used for all future years.

8.8 Other Local Data

The MOVES model provides input for other types of local data, if available. This conformity demonstration used default meteorology data since the budgets were developed using default data; thus, analysis should also. Lacking local data, defaults were used for hoteling (truck parking) and starts. The default fuel data is correct for Michigan.

9.0 Conclusion

Conformity has a two-step approval process. The MPOs must make a formal conformity determination through a resolution that the findings of this conformity analysis conform to the SIP; thus, emissions are at or below the budgets found in the SIP. Then FHWA, jointly with the FTA, after consultation with the EPA, issues a letter of concurrence with the determination.

The conformity analysis described here and conducted by MDOT, with support of GVMC, WestPlan, and MACC, concludes that the GVMC 2040 LRTP and 2017-20 TIP, and the parts of the WestPlan 2040 LRTP and 2017-20 TIP and the parts of the MACC 2040 LRTP and 2017-20 TIP contained in the conformity area, along with the rural projects in the STIP, meet all applicable requirements for conformity for the 1997 ozone standard; thus, it is recommended for approval by FHWA.

Table 5: MOVES Source Types from SOS Body Style, Plate Type, and Company Code

MOVES Source Type	SOS Body Style, Plate Type, and Company Code
11 – Motorcycles	Motorcycles
21 – Passenger Cars	Two-Door Four-Door Convertible Roadster Low-Speed
31 – Passenger Trucks	Station Wagon Pickup Van Hearse with Plate Type, Personal Ambulance with Plate Type, Personal Panel Van with Plate Type, Personal
32 – Light Commercial Trucks	Pickup Commercial or Company Van Commercial or Company Hearse Commercial or Company Ambulance Commercial or Company Panel Van Commercial or Company Utility Truck Wrecker
40 – Buses (MOVES: 41*, 42, 43)	Bus; Supplemented with Other Data Sources
50 – Single-Unit Trucks* (MOVES: 51, 52, 53)	Dump Truck Mixer Truck Stake Truck
54 – Motorhomes	Motorhome
60 – Combination Trucks* (MOVES: 61, 62)	Tractor Trailer Tanker

* The EPA default age distribution is applied to calculate individual MOVES Source Type categories.

Appendix A: Meeting Summary of the Interagency Workgroups

Summary of Meeting

Michigan Transportation Conformity Interagency Workgroup (MITC- IAWG)

Grand Rapids Conformity Area

Allegan County Nonattainment Area

Muskegon County Nonattainment Area

9 a.m. - Noon (EDT), Monday, Oct. 29, 2018

MDOT Grand Region Office, 1420 Front St., Grand Rapids MI 49504

In attendance:

Name	Agency
Andrey Dewy	Federal Highway Administration (FHWA)
Breanna Bukowski	Michigan Department of Environmental Quality (MDEQ)
Kaitlyn Leffert	MDEQ
Michael Leslie	US Environmental Protection Agency (EPA)
Susan Weber	Federal Transit Administration (FTA)
Abed Itani	Grand Rapids MPO
Laurel Joseph	Grand Rapids MPO
George Yang	Grand Rapids MPO
Tim Burkman	Holland MPO
Carolyn Ulstad	Holland MPO
Elisa Hoekwater	Holland MPO
Any Haack	Muskegon MPO
Brain Mulnix	Muskegon MPO
Donna Wittl	Michigan Department of Transportation (MDOT)
Eric Mullen	MDOT
Dennis Kent	MDOT
Susan Rozema	MDOT
David Fairchild	MDOT
Ryan Gladding	MDOT
Tom Doyle	MDOT
Jon Roberts	MDOT
Tyler Kent	MDOT
Brian Sanada	MDOT

Absent:

Angelica Salgado	FTA
Steve Redmond	MDOT
Mark Kloha	MDOT
Andera Faber	Grand Rapids MPO

Attendance at the meeting was in person or teleconferencing with web linking.


Materials distributed before the meeting:

- 1) Agenda
- 2) Exempt Project Excerpt from EPA Transportation Conformity Regulations – April 2012
- 3) 2016 Memorandum of Agreement Regarding Determination of Conformity of Transportation Plans, Programs, and Projects to State Implementation Plans
- 4) PM Hot-spot Analyses: FAQs
- 5) Link to information on Road Diets (agenda topic):
https://safety.fhwa.dot.gov/road_diets/
- 6) Link to conformity training:
https://www.fhwa.dot.gov/Environment/air_quality/conformity/training/sdtrain.cfm

This IAWG was for:

Grand Rapids Area (Kent and Ottawa counties) – 1997 ozone conformity area
Muskegon County – 2015 ozone nonattainment area and 1997 ozone conformity area
Allegan County – 2015 ozone nonattainment area and 1997 ozone conformity area

The interagency work group meeting was facilitated by slides. The slides are provided with a summary of discussion related to slide below it. Some slides had no discussion.



Michigan Transportation Conformity Interagency Workgroup for:
Grand Rapids Conformity Area
Allegan County Nonattainment Area
Muskegon County Nonattainment Area
October 29, 2018

Participants Introduction: Name and Agency

Regional Transportation conformity is required under CAA to ensure that federally funded or approved highway and transit activities are consistent with (“conform to”) the purpose of the air quality state implementation plan (SIP).

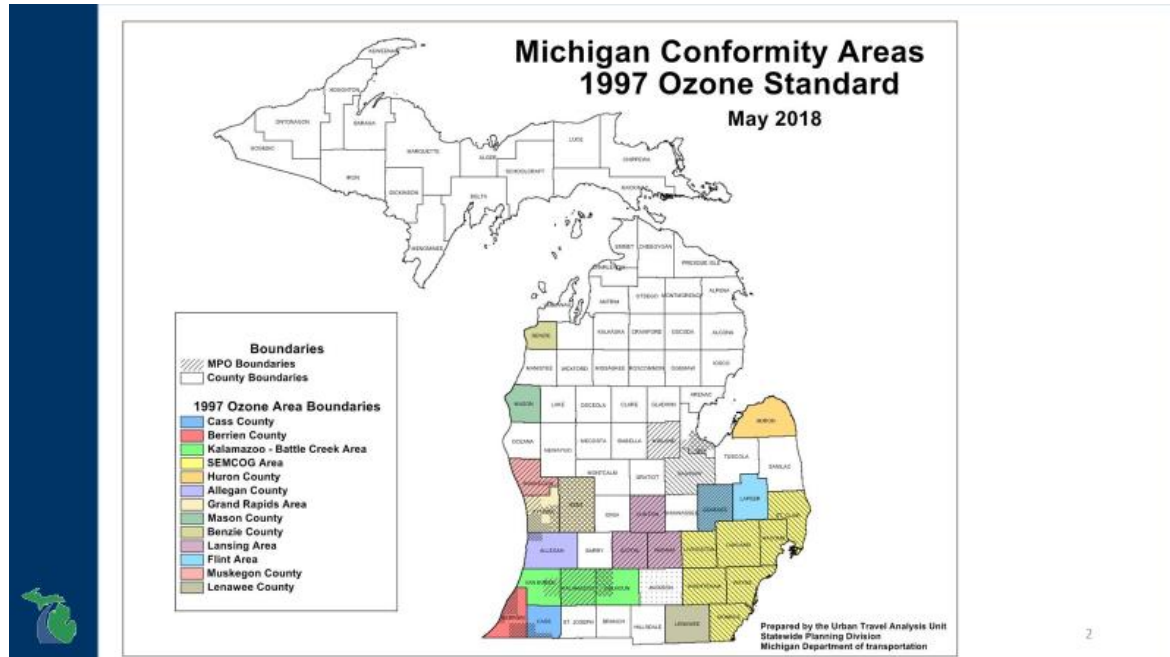
Interagency Workgroup:

- A **collaborative** process between agencies and organizations to decide and **reach agreement** on key elements of the **conformity** process
- Proves a forum for decision making
- Required by the Conformity Rule

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It was emphasized this is a collaborative process and the group was encouraged to ask questions and have a discussion. It was stated that the group was there to discuss the rules (plus maybe set them up) to evaluate the road projects in the LRTPs and TIPs, along with those projects in the rural area (outside the MPOs), to ensure emissions from on-road travel

are consistent with the goals of the SIP. It was discussed that the IAWG is evaluating projects from the LRTP and TIP and we are doing regional conformity. Project-level conformity is also called hot spot analysis. For ozone nonattainment areas, project-level conformity is not required.



The statement was made that only part of Muskegon County is a nonattainment area for the 2015 ozone standard and was confirmed to be true. However, since the whole county is considered a maintenance area for the anti-backsliding requirement for the 1997 ozone standard, we are addressing both standards at the county level.

Conformity Areas :

- 1) Grand Rapids Conformity Area = Kent and Ottawa Counties
 - 1997 ozone conformity Area
 - Grand Rapids TMA
 - Part of Muskegon MPO
 - Part of the Holland MPO
 - Part of the STIP
- 2) Allegan County
 - 2015 Ozone Nonattainment Area also 1997 Ozone Conformity Area
 - Part of the Holland MPO
 - Part of the STIP
- 3) Muskegon County
 - 2015 Ozone Nonattainment Area also 1997 Ozone Conformity Area
 - Muskegon MPO

Each of the three areas listed above have a separate budget and are separate nonattainment or conformity areas. There are budgets for nitrogen oxides (NOx) and volatile organic compounds (VOC). The budgets developed in 2007 will be used.

Brief History of Conformity For Areas :

- 2004 Designated nonattainment for 1997 ozone standard – all 3 areas
- 2007 Re-designated attainment/maintenance for 1997 ozone standard - Grand Rapids Area and Muskegon County
- 2010 Re-designated attainment/maintenance for 1997 ozone standard – Allegan County
- 2012 Designated attainment for 2008 ozone standard – entire state
- 2013 EPA partially revoked the 1997 ozone standard; maintenance areas not required to do transportation conformity
- 2015 EPA completely revoked 1997 ozone standard



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Brief History of Conformity for Areas cont. :

- 2018, April 23, Because of decision in the South Coast case FHWA/EPA requires former maintenance areas for the 1997 ozone standard to do conformity (Ended on September 17, 2018)
- 2018, Aug 3, Parts of Muskegon and Allegan Counties designated separate nonattainment areas for 2015 ozone standard. Kent and Ottawa Counties designated attainment.
- 2018, Sept 17, South Coast court decided to give former 1997 ozone maintenance areas until Feb 16, 2019 to have a conformity determination on LRTP & TIP.




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The group discussed the court's decisions. The status of the Grand Rapids conformity area is attainment but must do conformity for the remainder of the maintenance period, which is 10 years, because of anti-backsliding requirement. For the Grand Rapids TMA only, the LRTP update cycle will stay five years. It was stated a conformity finding needs to be in place on Feb. 16, 2019; that means having an approval letter from FHWA by that date. We will then be

doing conformity on the new TIPs in 2019. It was proposed to Grand Rapids TMA that, if they wanted, MDOT would run the emission model for conformity until Sept. 30, 2019, to assist the MPOs in meeting the February 2019 deadline and getting through the new TIP development. Grand Rapids TMA said they would take MDOT's offer. MDOT already does the modeling for Muskegon and Holland MPOs.

Discussion on what is being conformed. The LTRP, with all the projects from the TIP, are both conformed together. This gives a base, so moving forward can determine if projects would change the conformity analysis, thus requiring a new analysis to be conducted. Any amendment after conformity analysis is completed will need to be reviewed by the IAWG. The question was asked if the changes to the TIP would potentially change the conformity analysis. If all projects are exempt, then the conformity analysis is still valid and will not change.



**Michigan Transportation Conformity Interagency Workgroup
(MITC-IAWG)**

2016 MOA Regarding Determination of Conformity of
Transportation Plans, Programs, and Projects to State
Implementation Plans

Commonly know as the Transportation Conformity SIP

- Defines the roles,
- responsibilities,
- and regulations,
- and participating agencies for the IAWG.

Has everyone received a copy?

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Everyone indicated they had received a copy of the Transportation Conformity SIP Memorandum of Agreement (MOA). The question was asked why SEMCOG was the only MPO who signed. The answer was because SEMCOG was the only nonattainment or maintenance area at the time the document was signed. Holland and Muskegon MPOs will need to sign the document because they are nonattainment areas for the 2015 ozone standard. Since the Grand Rapids TMA is in areas classified as "attainment," they don't have to sign the MOA. But these are the rules we use in Michigan for IAWGs. This provides for uniformity across the state, so all IAWGs are following the same format and rules. Most of the rules are included in the Transportation Conformity Rule, which will be referred to if needed. The Transportation Conformity SIP MOA provides an easier way to understand the rules and process.

Michigan Transportation Conformity Interagency Workgroup (MITC-IAWG)

Participating agencies:

For transportation conformity issues, the following agencies comprise the Michigan Transportation Conformity Interagency Workgroup (MITC-IAWG):

- United States Environmental Protection Agency (USEPA)
- Federal Highway Administration (FHWA)
- Federal Transit Administration (FTA)
- Michigan Department of Environmental Quality (MDEQ)
- Michigan Department of Transportation (MDOT)
- Michigan Metropolitan Planning Organizations (MPOs) located in USEPA designated nonattainment and maintenance area with jurisdiction for LRTP



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Michigan Transportation Conformity Interagency Workgroup (MITC-IAWG)

- Defines the roles:
 - TMA responsible in MPO area for:
 - Travel demand model
 - Running emission model
 - MDOT in non-TMA areas responsible for:
 - Travel demand model
 - Running emission model
- Defines the responsibilities: lead agency for activities
- Defines the regulations:
 - How this is enforceable
 - Conflict resolution process



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The question was asked if there was an update chapter for the conformity analysis. We are trying to develop a standard conformity analysis document that can be used throughout the state. The document is currently a work in progress. This standard document will allow the air quality information or chapter in the LRTP to contain more than just the conformity analysis.

Michigan Transportation Conformity Interagency Workgroup (MITC-IAWG)

The MITC-IAWG is a work group for transportation conformity issues :

- makes technical and policy decisions
- comprised of technical staff

One of the main functions of the IAWG is the evaluation of projects for conformity analysis

Conformity analysis is where projects are evaluated to determine if they will cause an exceedance of the NAAQS.

Transportation Planning tools subject to conformity:

- LRTP and amendments
- TIP and amendments
- projects



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One of the main functions of the IAWG is to evaluate projects for the conformity analysis. The projects from the LRTP and TIP are evaluated for conformity. We are doing regional conformity – conformity must be determined every four years. Conformity must be determined before federal approval or acceptance of a project. Feb. 16, 2019, is the due date for areas to have completed a conformity analysis and start the four-year time clock for conformity for the 1997 ozone areas.

Conformity Applies to:

Federal Projects:

- Projects receiving or proposed to get federal funds From Federal –Aid Highway program or Federal mass transit program
- or
- Require federal approval by either FHWA or FTA for any part of the project
 - approval could be a connection to an interstate or deviation from design standard

Non-Federal Projects:

- If defined as “regionally significant for air quality”



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The question was asked if an amendment is for a small project, for example to receive funds for a transit bus shelter, would that still trigger the process. The answer is yes. All projects in amendments should be evaluated for exempt or non-exempt status by the IAWG. Projects that are exempt will not be required to be included in a conformity analysis or trigger a conformity analysis. Later, we will talk about which projects are exempt.

Non-federal projects only need to be included in regional conformity analysis if determined to be regionally significant for air quality.

Air Quality Regionally Significant Projects:

To determine which non-federal projects need to be included in a conformity analysis regardless of funding source

Conformity regulation definition:

Transportation project on a facility which serves regional transportation needs (access to and from the areas) from outside the region, access to major activity centers (and new centers of activity malls, sporting, transportation terminals) and

would normally be included in the travel demand model.

At a minimum includes principal arterials (national functional classification 1,2, and 3) and fixed guideway transit that offer an alternative to regional highway travel.



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The question was asked if this definition is the same as the one the MPOs were asked to submit to MDOT statewide planning staff. The answer was no, they are for completely different reasons.

Projects that are 100 percent state or local funded, and do not require any federal approval, are not required to be included in the conformity analysis unless determined to be regionally significant for air quality. The IAWG can make the definition more stringent but not less. The question was asked what NFC 1, 2, and 3 are. Interstates are 1, other principle freeways and expressways are 2, and other principal arterials are 3. How does IAWG want to define regionally significant for air quality? The group agreed to this definition. Regionally significant projects need to be modeled in conformity but won't trigger a conformity analysis.

Exempt Projects: Transportation Conformity Regulations as of April 2012

Table 2—Exempt Projects 93.126

Safety

- Railroad/highway crossing.
- Projects that correct, improve, or eliminate a hazardous location or feature.
- Safer non-Federal-aid system roads.
- Shoulder improvements.
- Increasing sight distance.
- Highway Safety Improvement Program implementation.
- Traffic control devices and operating assistance other than signalization projects.
- Railroad/highway crossing warning devices.
- Guardrails, median barriers, crash cushions. Pavement resurfacing and/or rehabilitation.
- Pavement marking.
- Emergency relief (23 U.S.C. 125). Fencing.
- Skid treatments.
- Safety roadside rest areas. Adding medians.
- Truck climbing lanes outside the urbanized area. Lighting improvements.
- Widening narrow pavements or reconstructing bridges (no additional travel lanes).
- Emergency truck pullovers.



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All projects need to be evaluated to determine if they need to be included in a conformity analysis. The evaluation also determines if the project is exempt or non-exempt. If a project is classified as exempt, it does not need to be included in the conformity analysis. One of the main tasks of the IAWG is to determine if a project is exempt, thus the project does not need to be included (meaning modeled) in the conformity analysis. The Table 2 slide shows projects that have a minor or limited impact on air quality. It is important to understand why a project is exempt.

There was some confusion because the slide did not have pavement resurfacing and/or rehabilitation on a separate line, as it is shown on the information provided before the meeting. There were questions asking if resurfacing and rehabilitation projects are exempt. Yes, they are exempt. A follow-up question was asked, with that being the case, if it does not have to go through IAWG. No, they do have to go through the IAWG, but they don't have to have a conformity analysis done on them. The question was asked if "pavement rehabilitation" meant reconstruction. Yes, if it is being reconstructed to the same configuration as before and there is no change in capacity.

Exempt Projects: Transportation Conformity Regulations as of April 2012

Table 2 continued —Exempt Projects 93.126

Mass Transit

- Operating assistance to transit agencies.
- Purchase of support vehicles.
- Rehabilitation of transit vehicles.
- Purchase of office, shop, and operating equipment for existing facilities.
- Purchase of operating equipment for vehicles (e.g., radios, fare boxes, lifts, etc.).
- Construction or renovation of power, signal, and communications systems.
- Construction of small passenger shelters and information kiosks.
- Reconstruction or renovation of transit buildings and structures (e.g., rail or bus buildings, storage and maintenance facilities, stations, terminals, and ancillary structures).
- Rehabilitation or reconstruction of track structures, track, and track bed in existing rights-of-way.
- Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet.
- Construction of new bus or rail storage/maintenance facilities categorically excluded in 23 CFR part 771.



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Exempt Projects: Transportation Conformity Regulations as of April 2012

Table 2 continued —Exempt Projects 93.126

Air Quality

- Continuation of ride-sharing and van-pooling promotion activities at current levels.
- Bicycle and pedestrian facilities.

Other

- Specific activities which do not involve or lead directly to construction, such as:
 - Planning and technical studies.
 - Grants for training and research programs.
 - Planning activities conducted pursuant to titles 23 and 49 U.S.C.
 - Federal-aid systems revisions.
- Engineering to assess social, economic, and environmental effects of the proposed action or alternatives to that action.
- Noise attenuation.
- Emergency or hardship advance land acquisitions (23 CFR 710.503).
- Acquisition of scenic easements.
- Plantings, landscaping, etc.
- Sign removal.
- Directional and informational signs.
- Transportation enhancement activities (except rehabilitation and operation of historic transportation buildings, structures, or facilities).
- Repair of damage caused by natural disasters, civil unrest, or terrorist acts, except projects involving substantial functional, locational or capacity changes.



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Exempt Projects: Transportation Conformity Regulations as of April 2012

Table 3 — Exempt Projects From Regional Conformity Analysis but not Project-level 93.127

- Intersection channelization projects.
- Intersection signalization projects at individual intersections.
- Interchange reconfiguration projects.
- Changes in vertical and horizontal alignment.
- Truck size and weight inspection stations.
- Bus terminals and transfer points.
- Examples of : Intersection channelization projects:
 - Traffic circles
 - Addition of right turn lane or left turn lane at an intersection, individual lane length less than half a mile; usually not in travel demand model

93.128 Traffic Signal Synchronization Projects

- Non-exempt but not trigger a conformity analysis
- In Michigan the travel demand models can't model these projects



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Table 3 lists project that are exempt from regional conformity but not project-level. Project-level is a more detailed analysis. The projects on this list have more local impacts on air quality than regional. We are doing regional conformity. Project-level is also called hot spot. Ozone nonattainment areas do not need to do project-level analysis. The question was asked why traffic signal synchronization projects are non-exempt. The answer is since a number of these projects are linked together, they would create an air quality benefit.

Exempt Projects: FHWA & EPA Clarifies Interpretations in 2017

Added to Table 2 —Exempt Projects 93.126 in 2017:

- Auxiliary lane if less than one mile in length
 - Justification: Projects that correct, improve, or eliminate a hazardous location or feature
- Ramp metering
 - Justification: Projects that correct, improve, or eliminate a hazardous location or feature
- Road diets – In Michigan need further discussion, will hold statewide IAWG
 - Justification: Projects that correct, improve, or eliminate a hazardous location or feature or if safety project: Highway Safety Improvement Program implementation



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Project Phases and Proposed Projects:

- Project phase affects exempt vs non-exempt status
 - Projects have to have enough detail to be modeled with the travel demand model
 - Projects are model based on year the project will be open to traffic
 - Most job phases are exempt except construction
 - CON = Construction
 - EPE = Early preliminary engineering (used for scoping before design)
 - NI = Non-infrastructure (projects not involving physical construction of transportation facility or assets)
 - PE = Preliminary engineering
 - ROW = Right-of-way
 - SUB = Sub-surface engineering
 - T-CAP = Transit capital
- Have projects had a significant change in design and scope
- For LRTP want to bring forward proposed projects
 - Projects need to have sufficient detail to determine conformity

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The question was asked if an MPO should include all projects on their lists, both within financial constraint and not financially constrained, when the air quality analysis is run. No, the projects need to be financially constrained. As a project moves from design to build, its status as exempt can change.

IAWG Decisions:

- When travel demand model is run for conformity analysis all projects that can be modeled in the travel demand model will be modeled regardless of exempt status
 - Discussion : General practice in Michigan
- Treating an otherwise exempt project as non-exempt
 - Discussion:
- Allowing non-exempt projects that require conformity to proceed but will be modeled the next time a conformity analysis is conducted
 - Discussion:
 - Non-federal project that is regionally significant

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The question was asked if Grand Rapids would need to include its BRT (bus rapid transit) in their travel demand model even though the other two MPOs do not have a BRT. Yes, Grand Rapids should include it in their travel demand model runs.

Analysis Years and Budget Test :

Analysis

Year

Reason

2010	Validation year of Grand Rapids, Muskegon, Holland, and Statewide travel demand models (base year)
2018	Grand Rapids Area and Muskegon County budget year for maintenance plan from 1997 ozone standard (will stop being an analysis year after calendar year 2018). Each area has a separate budget.
2020	Interim year (so analysis years not more than ten years apart)
2021	Allegan County budget year for maintenance plan from 1997 ozone standard
2030	Interim year (so analysis years not more than ten years apart)
2040	Last year of the Grand Rapids, Muskegon, Holland long range transportation plan
Conformity Test: Use existing maintenance budgets from SIP for 1997 ozone standard	



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The emission generated from the conformity analysis must be equal or less than the budget or otherwise known as the MVEB. The MVEB is the portion of the total allowable emissions in the area allocated to highway and transit vehicle. By being below the SIP budget, the LRTP and TIP are conforming to the SIP. For Kent and Ottawa counties, the budget is the combined emissions for both. The MOVES model (the emissions model) generates emissions at the county level. The emission budget will stay the same until a second maintenance plan is developed. It was emphasized the conformity analysis needs to be done on the current LRTPs and TIPs.

There was discussion whether or not Grand Rapids should use their new travel demand model that is being developed now. They should wait to use it until the other two areas, Holland and Muskegon, complete their new travel demand models. So, the three models will have the same base year. This will assist in the emission modeling for Ottawa County which contains part of all three MPOs. Allegan County will need to have the 2021 analysis year, so the Holland projects in Allegan County will have slightly different analysis years from those in Ottawa County.

Conformity for LRTP or TIP Amendments:

The Conformity Regulations specify:

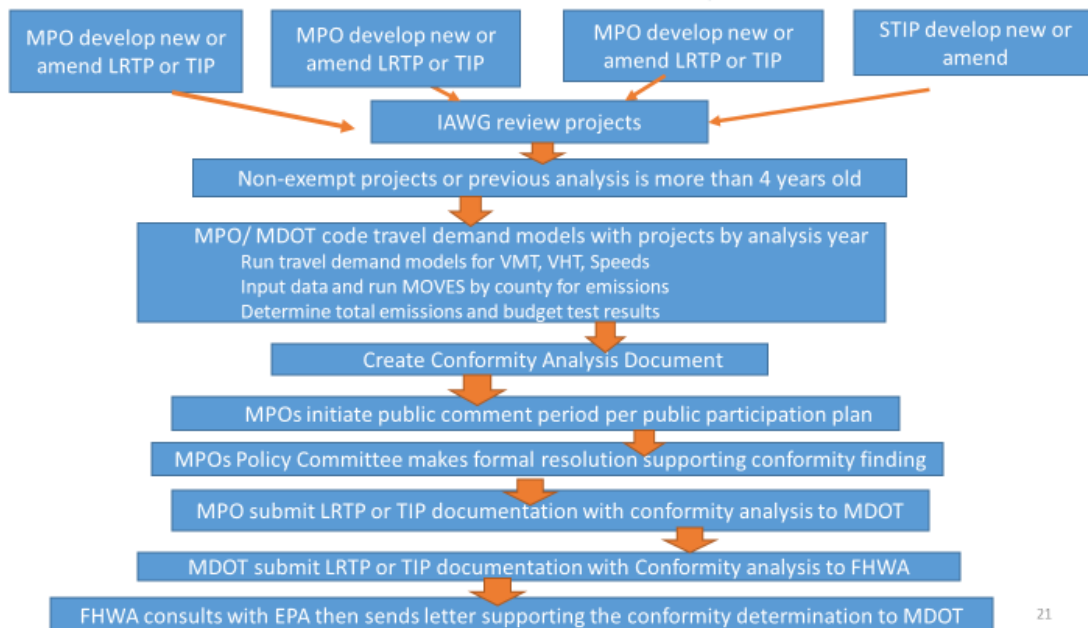
1. Amendment to only add or delete exempt project - not require new conformity analysis
 2. Amendment adds or deletes non-exempt project - require new conformity analysis
 3. Administrative modifications – not require new conformity analysis
- General Practice:
 - Moving projects within analysis year groups – not require new conformity analysis
 - **All projects need to be reviewed by the IAWG**



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The question was asked if all projects need to be presented to the IAWG every time the MPO does an amendment. The answer is yes, even if they are on the exempt list. It is the job of IAWG to determine that. Because we are starting the process with some projects having already been determined to be part of an administrative modification list, all projects on that list should be evaluated for exempt or non-exempt status. Then, if an amendment is an administrative modification, it would be exempt.

Transportation Conformity Process:



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The timeframe to do a conformity analysis was discussed, estimating it will take 60 days from IAWG meeting to start of public comment period. Once the process has been completed a few times it could be less but right now that is what MDOT is estimating. The process described above is if there is a non-exempt project. If all projects are determined to be exempt by the IAWG, the projects can go straight to TAC or policy committee. The question was asked if the IAWG must happen before TAC. The answer is no, if your TAC committee is ok with not seeing it and your policy committee, too.



IAWG:

- Each affected agency needs a:
 - Representative
 - Advised to have alternate representative
 - Discussion:
- Projects for review need:
 - project description, costs, financial resources, etc.
 - working on standard format (JobNet)
- Meeting summary with participants sent to IAWG
- IAWG can be conducted by email or conference call
 - Non-exempt or unclear projects require conference call
 - Discussion:

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IAWG designated representative:

DEQ contact: Breanna Bukowski
Alternate contact: Kaitlyn Leffert

FHWA contact: Andrea Dewey
Alternate contact: If needed, Andrea will delegate

EPA contact: Michael Leslie
Alternate contact: None

MDOT contact: Donna Wittl
Alternate contact: To be determined

FTA contact: Susan Weber
Alternate contact: To be determined

Grand Rapids MPO: To be determined

Alternate contact: to be determined

Muskegon MPO contact: To be determined

Alternate contact: To be determined

Holland MPO contact: To be determined

Alternate contact: To be determined

Coordination of projects to IAWG for TIP Amendments:

Grand Rapids Conformity Area = Kent and Ottawa Counties

- Grand Rapids TMA
- Part of Muskegon MPO
- Part of the Holland MPO
- Part of the STIP

2) Allegan County

- Part of the Holland MPO
- Part of the STIP

3) Muskegon County

- Muskegon MPO

- Discussion:



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Regarding amendments, the group discussed how the three MPOs and the STIP projects could get assembled on one list for the IAWG to review. It was decided that the IAWG would review the projects between the technical meetings and the policy meetings. A single list would be assembled and distributed to the IAWG for review. It seems the group agreed to have the list of all amendments assembled on the second Tuesday of the month, making Jan. 8, 2019, the first one.

It was then decided, in order to have the conformity analysis completed by the Feb. 16, 2019, date, the list of current TIP and LRTP projects would need to be assemble the week of Nov. 12, 2018. Each MPO was going to send their list of TIP and LRTP projects to Donna Wittl. Donna would then distribute the list to the IAWG and schedule a conference call meeting to review the projects.

It was discussed that projects that are already completed do not need to be reviewed by the IAWG, so we will start with 2018 projects that have not been completed yet. The travel demand models should reflect projects that have been completed to date.

IAWG to Review Projects by Email :

- Coordinate project list sent to IAWG
 - Stating all projects are exempt
- IAWG members have five business days to respond
 - With concur or not concur, or have questions
 - Email meetings require a response from IAWG members
 - Responses should be a “reply to all”
- Template for meeting summary has been created
 - Meeting summary sent to IAWG
 - Meeting summary attached in JobNet
 - Date of IAWG is date email request sent

Discussion:



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It was suggested that, at least at first, a response to the e-mail meeting would be required; this way, we know people are receiving the e-mails. It would be useful if people “reply all” in the beginning. Donna will need to follow up with people if they don’t respond.

Regional Emission and IAWG:

- Regional Emission Analysis:
 - Emission modeling using: MOVES2014b
 - Evaluate assumptions used in emission model
 - Who will run the emission model? TMA, MDOT, or both



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Conformity Analysis Document:

Conformity analysis document (work in progress)

- Developing standardize document (10 page)
 - Latest planning assumptions
 - MOVES inputs
 - Project list attached
 - (including project description, costs, financial resources, conformity status)
 - Summary of IAWG meeting; decisions and participants
- Conformity analysis sent to IAWG
- The MPO will hold public comment period per Public Participation Plan
- Public comments will be addressed
- Formal conformity determination on LRTP and TIP by resolution of MPO
(MPO makes a formal resolution supporting the findings of the conformity analysis)



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- Other discussions items?



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Donna will send out an example of the conformity document. The MVEB (SIP budget) for the Grand Rapids conformity areas was requested; it is in tons per day, VOC = 40.70 and NOx = 97.87.

Summary of Meeting

Michigan Transportation Conformity Interagency Workgroup (MITC- IAWG)

Muskegon County Nonattainment Area

Allegan County Nonattainment Area

Grand Rapids (Kent and Ottawa Counties) Conformity Area

3 – 4 p.m. (EST), Tuesday, Dec. 18, 2018

TPS 3rd floor, Van Wagoner Transportation Building, Lansing, MI

Conference number and web link information provided in e-mail

Name

Agency

In attendance:

Andrea Dewey	Federal Highway Administration (FHWA)
Breanna Bukowski	Michigan Department of Environmental Quality (DEQ)
Michael Leslie	Environmental Protection Agency (EPA)
Donna Wittl	Michigan Department of Transportation (MDOT)
Amy Haack	Muskegon MPO (WestPlan)
Brian Mulnix	Muskegon MPO (WestPlan)
Joel Fitzpatrick	Muskegon MPO (WestPlan)
Tim Burkman	Holland MPO (MACC)
Carolyn Ulstad	Holland MPO (MACC)
George Yang	Grand Rapids MPO (GVMC)
Laurel Joseph	Grand Rapids MPO (GVMC)
William Loehle	MDOT
Tom Doyle	MDOT
David Fairchild	MDOT
Jon Roberts	MDOT
Ryan Gladding	MDOT

Attendance at the meeting was in person or teleconferencing with web linking.

Agenda:

1) Review analysis years and model information.

2) Review project lists.

Project lists are color coded, with yellow being non-exempt projects, orange being exempt but might want to discuss, and blue are project that need more information for a decision to be made. Workbooks may have more than one worksheet. Color coding was not part of list attached to conformity analysis.

3) Update on South Coast II court decision.

This meeting reviewed projects lists for three conformity areas:

Allegan County Nonattainment Area

Muskegon County Nonattainment Area

Grand Rapids (Kent and Ottawa counties) Conformity Area

The Allegan County Nonattainment Area was discussed first.

Analysis years were reviewed and agreed upon: base year 2010, the attainment year for the 2015 ozone standard is 2020, and interim years of 2030 and 2040 (the last year of the long-range transportation plan). The year 2021 is also needed because it is the budget year for the 1997 ozone standard.

The group discussed the project lists for the Holland MPO in Allegan County and the projects in the STIP in Allegan County.

It was stated that since a conformity analysis is being conducted any project, exempt or non-exempt that can be modeled with the travel demand model would be modeled.

The Muskegon County Nonattainment Area was discussed.

Analysis years were reviewed and agreed upon: base year 2010, and interim years of 2020, 2030, and 2040 (the last year of the long-range transportation plan). The group decided since 2018 would be past once the analysis was conducted it would not be used as an analysis year. The group discussed the project lists for Muskegon County.

The Grand Rapids (Kent and Ottawa counties) Conformity Area was discussed.

The analysis years were reviewed, and it was agreed they would be the same as those for the Muskegon County Nonattainment Area.

The group discussed the project lists for Kent and Ottawa counties. Several projects on the list required clarification and after discussion were considered non-exempt.

An update on the South Coast II court decision was provided and discussed. It was stated that the EPA has released guidance on the requirements for the 1997 ozone areas. The guidance states what does not need to be done; areas do not need to run the emission model (MOVES) but need to do everything else, which includes IAWG to review projects, create a conformity document, and a policy committee resolution. FHWA is coming out with a template on what a conformity document would be without analysis. As part of the court decision, areas need to have in place a second maintenance plan. DEQ is currently working on these plans. Most 1997 areas in Michigan, it appears, will qualify for a “limited maintenance plan.” Once these second maintenance plans are in place, the conformity

process will significantly diminish. Based on the unstable environment of the court case, and that doing the emission analysis is not much more work given the stability it will provide, we are going to continue to do a traditional conformity analysis to meet the Feb. 16, 2019, due date from the court.

The Grand Rapids Conformity Area will be affected by the creation and adoption of a limited maintenance plan for their second maintenance plan. To qualify for a limited maintenance plan, an area must be 85 percent below the standard. Since both Allegan and Muskegon counties were designated partially as nonattainment areas for the 2015 ozone standard, they will not qualify for this type of second maintenance plan. These two areas will require traditional maintenance plans and, because of the nonattainment designation for the 2015 ozone standard, will have to do traditional conformity for 20 years.

Future TIP amendments were discussed. All future TIP amendments need to be reviewed by the IAWG. IAWG meetings can be conducted by e-mail if all the projects are exempt. If an amendment contains a non-exempt project, a conference call IAWG will need to be held. A conference call can also be held even if all projects are exempt. There was a request made for a list of IAWG contacts. It was pointed out that the appointment for this meeting contained the list of contacts. One of the reasons the appointments and e-mails are not grouped or blind copied is so that participants know other members of the group. Details for conducting an e-mail IAWG meeting were provided at the last IAWG meeting, on Oct. 29, 2018. The IAWG needs at least five business days for review of the project lists.

Appendix B: Public Comments and Responses

No comments received.

Appendix C: Projects Included in Conformity Analysis

The list of projects begins on the following page.

GVMC TIP Projects in Ottawa and Kent Counties

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2018	TIP	200863	Local Bridge	GVMC	Kent	Kent County	W Division St NE	10 Mile over Rogue River	0.000	Bridge CPM	Joint Replacement	CON	\$380,000	\$0	\$95,000	\$475,000	NH	Exempt	
2018	TIP	130591	Local Traffic Operations And Safety	GVMC	Kent	Grand Rapids	Market Avenue	Areawide	0.001	Traffic Safety	Signal communication upgrades, including fiber	CON	\$240,000	\$0	\$60,000	\$300,000	CM	Exempt	
2018	TIP	130754	Local Highway Rehab and Reconstruct	GVMC	Kent	Grand Rapids	Alpine Avenue, North Park Street and Coit Avenue	Alpine-Stocking to Leonard, N Park-Monroe to Coit, Coit-N Park to 4 Mile	1.452	Road Rehabilitation	Rotomill and resurface	CON	\$489,750	\$0	\$608,250	\$1,098,000	STU	Exempt	
2018	TIP	133277	S/TIP Line items	GVMC	Kent	Grand Rapids	Ionia Ave	Michigan Ave to I-196 WB on ramp at Division Avenue	0.099	Reconstruction	Reconstruct	CON	\$359,620	\$0	\$566,526	\$926,146	STU	Exempt	
2018	TIP	202528	S/TIP Line items	GVMC	Kent	Grand Rapids	3 Mile Rd NE	3 Mile Rd from Monroe Ave to Coit Ave and Northwood St to Plainfield Ave	0.334	Roadside Facilities - Improve	Intallation of sidewalks	CON	\$321,587	\$0	\$155,297	\$476,884	TAU	Exempt	
2018	TIP	129655	S/TIP Line items	GVMC	Kent	Kent County	E Lake St NE	Fifth St to Northland Dr	0.136	Roadside Facilities - Preserve	Construct Streetscape & Ped. Safety Improvements	CON	\$352,950	\$0	\$562,650	\$915,600	TA	Exempt	
2018	TIP	130541	S/TIP Line items	GVMC	Kent	Kent County	Knapp St	Dunnigan Avenue to Grand River Drive	2.100	Major Widening	Widen to 3 Lanes	CON	\$0	\$1,227,055	\$0	\$1,227,055	EDC	Non-Exempt	
2018	TIP	130541	S/TIP Line items	GVMC	Kent	Kent County	Knapp St	Dunnigan Avenue to Grand River Drive	2.100	Major Widening	Widen to 3 Lanes	CON	\$660,475	\$0	\$165,119	\$825,594	EDCF	Non-Exempt	
2018	TIP	200406	S/TIP Line items	GVMC	Kent	Kent County	Fred Meijer Pioneer Trail	Three Mile Road and Public easement from Alpine Avenue to West River Road	0.172	New Facilities	New non-motorized trail	CON	\$357,457	\$0	\$89,364	\$446,821	HPSL	Exempt	
2018	TIP	204186	S/TIP Line items	GVMC	Kent	Kent County	Hammond Ave SE	Paul Henry Trail north of 76th St to 68th, Dutton	0.607	New Facilities	Construct HMA shared-use path	CON	\$175,000	\$0	\$75,000	\$250,000	TA	Exempt	
2018	TIP	117992	S/TIP Line items	GVMC	Kent	MDOT	US-131	10 Mile Road north to 14 Mile Road	4.361	Reconstruction	Concrete Reconstruction	CON	\$31,430,401	\$6,969,599	\$0	\$38,400,000	NH,M	Exempt	
2018	TIP	123309	S/TIP Line items	GVMC	Kent	MDOT	US-131	at 68th Street	0.001	New Facilities	New Carpool Lot	CON	\$220,995	\$49,005	\$0	\$270,000	ST	Exempt	
2018	TIP	123325	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I 96 EB		0.001	Major Widening	I-96 EB Weave-Merge lane and add M-21 EB On Ramp	PE	\$245,550	\$54,450	\$0	\$0	CM	Exempt	ramp needs to be put in model
2018	TIP	126117	S/TIP Line items	GVMC	Kent	MDOT	M-57	Farland Ave East to Ramsdell Dr	2.010	Traffic Safety	Passing Relief Lanes	EPE	\$67,500	\$7,500	\$0	\$75,000	HSIP	Exempt	
2018	TIP	126499	S/TIP Line items	GVMC	Kent	MDOT	I-96 EB	under I-196 WB	0.000	Bridge Replacement	Bridge replacement	CON	\$15,109,921	\$1,678,880	\$0	\$16,788,801	STI	Exempt	
2018	TIP	127354	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I-196	Fuller Avenue to I-196 EB	0.850	Major Widening	Fuller Avenue On-Ramp Extension	CON	\$634,337	\$123,081	\$17,582	\$775,000	CM	Exempt	
2018	TIP	127477	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I-196 (WB)	M-11 East 0.74 Miles	0.733	Major Widening	Extend Off Ramp	PE	\$119,550	\$26,510	\$0	\$146,060	CM	Exempt	
2018	TIP	127477	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I-196 (WB)	M-11 East 0.74 Miles	0.733	Major Widening	Extend Off Ramp	PE-S	\$44,150	\$9,790	\$0	\$53,940	CM	Exempt	
2018	TIP	200149	S/TIP Line items	GVMC	Kent	MDOT	M-37	Patterson Avenue north to 44th Street	2.076	Road Capital Preventive Maintenance	Concrete Joint Repairs	CON	\$856,233	\$189,868	\$0	\$1,046,100	NH	Exempt	
2018	TIP	201154	S/TIP Line items	GVMC	Kent	MDOT	Front Ave NW	Region-wide	0.000	Traffic Safety	Pavement marking retroreflectivity readings and condition assessment	CON	\$11,083	\$1,231	\$0	\$12,314	HSIP	Exempt	
2018	TIP	201467	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I-296 N	Region-wide	1.776	Traffic Safety	Long line pavement marking application	CON	\$690,882	\$76,765	\$0	\$767,647	HSIP	Exempt	
2018	TIP	201471	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I-296 N	Region-wide	1.170	Traffic Safety	special pavement marking application	CON	\$671,031	\$74,559	\$0	\$745,590	HSIP	Exempt	
2018	TIP	201924	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I-96 E/W Cascade Ramp	I-96 from Kent Co Line to US-131	25.713	Traffic Safety	Freeway Signing Upgrade Project	PE	\$250,000	\$0	\$0	\$250,000	IMG	Exempt	
2018	TIP	202054	S/TIP Line items	GVMC	Kent	MDOT	US-131 N	US-131 Kent County	43.162	Traffic Safety	Freeway Signing Update	PE	\$860,000	\$0	\$0	\$860,000	NHG	Exempt	
2018	TIP	202922	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	US-131 N	North US-131 at Hall and Wealthy	0.258	Traffic Safety	Install Wrong Way Traffic system	CON	\$59,400	\$6,600	\$0	\$66,000	HSIP	Exempt	
2018	TIP	130736	Local Traffic Operations And Safety	GVMC	Kent	Walker	Three Mile Road	Walker Avenue at 3 Mile Road	0.001	Traffic Safety	Add dual lefts from EB 3 Mile Road to NB Walker	CON	\$160,000	\$0	\$525,240	\$685,240	CM	Exempt	
2018	TIP	202765	S/TIP Line items	GVMC	Ottawa	MDOT	I-196	Byron Road east to 32nd Avenue	6.759	Road Capital Preven	Milling & One Course Asphalt Overlay	CON	\$810,000	\$90,000	\$0	\$900,000	IM	Exempt	
2019	TIP	120835	Local Traffic Operations And Safety	GVMC	Kent	Grand Rapids	College Ave SE	at Michigan street, City of Grand Rapids	0.001	Traffic Safety	Add left turn lane	CON	\$288,731	\$0	\$72,183	\$360,914	CM	Exempt	
2019	TIP	130596	S/TIP Line items	GVMC	Kent	Grand Rapids	Market Ave	Areawide	0.001	Railroad	Signal optimization	CON	\$240,000	\$0	\$60,000	\$300,000	CM	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2019	TIP	130603	S/TIP Line items	GVMC	Kent	Grand Rapids	54th St	54th Street-US131 Intersection	0.001	Contracts	Construct Access Drive Into Meijer	CON	\$0	\$1,001,277	\$250,319	\$1,251,596	EDC	Exempt	
2019	TIP	130612	S/TIP Line items	GVMC	Kent	Grand Rapids	Division Ave	Wealthy Street to Cherry Street	0.248	Reconstruction	Reconstruction	CON	\$608,597	\$0	\$255,589	\$864,186	NH	Exempt	
2019	TIP	130612	S/TIP Line items	GVMC	Kent	Grand Rapids	Division Ave	Wealthy Street to Cherry Street	0.248	Reconstruction	Reconstruction	CON	\$0	\$0	\$56,105	\$56,105	STU	Exempt	
2019	TIP	130653	S/TIP Line items	GVMC	Kent	Grand Rapids	Alger St	Eastern Avenue to Kalamazoo Avenue	0.732	Reconstruction	Reconstruction	CON	\$981,250	\$0	\$268,750	\$1,250,000	STU	Exempt	
2019	TIP	130665	Local Road	GVMC	Kent	Grand Rapids	Broadway Ave	Bridge Street to Leonard Street	0.991	Road Rehabilitation	Rotomill/Resurface	CON	\$439,600	\$0	\$120,400	\$560,000	STU	Exempt	
2019	TIP	130680	Local Road	GVMC	Kent	Grand Rapids	Eastern Ave	Hall Street to Franklin Street	0.499	Road Rehabilitation	Rotomill/Resurface	CON	\$294,375	\$0	\$80,625	\$375,000	STU	Exempt	
2019	TIP	130686	Local Road	GVMC	Kent	Grand Rapids	Michigan St	Leffingwell Avenue to Greenwich Road	0.367	Road Rehabilitation	Rotomill/resurface	CON	\$215,875	\$0	\$59,125	\$275,000	STU	Exempt	
2019	TIP	130828	Local Traffic Operations And Safety	GVMC	Kent	Grand Rapids	Market Ave	Areawide	0.001	Traffic Safety	Regional Signal System TMS Operations	EPE	\$512,000	\$0	\$128,000	\$640,000	CM	Exempt	
2019	TIP	203292	S/TIP Line items	GVMC	Kent	Grand Rapids	Citywide	Up to 29 intersections throughout the city of Grand Rapids	0.022	Traffic Safety	Upgrade countdown pedestrian signals and ADA ramps	CON	\$315,000	\$0	\$35,000	\$350,000	HSIP	Exempt	
2019	TIP	203294	S/TIP Line items	GVMC	Kent	Grand Rapids	East Paris Avenue SE	East Paris Avenue at Sparks Drive	0.051	Traffic Safety	Signal modernization	CON	\$215,858	\$0	\$23,984	\$239,842	HSIP	Exempt	
2019	TIP	203295	S/TIP Line items	GVMC	Kent	Grand Rapids	Fuller Avenue NE	Fuller Avenue between Malta Street and Plainfield Avenue	2.894	Planning, Research & Design	Road Safety Audit	EPE	\$12,000	\$0	\$3,000	\$15,000	HSIP	Exempt	
2019	TIP	203296	S/TIP Line items	GVMC	Kent	Grand Rapids	Burton Street SE	Burton Street between Buchanan Avenue SW and Breton Avenue SE	3.158	Planning, Research & Design	Road Safety Audit	EPE	\$12,000	\$0	\$3,000	\$15,000	HSIP	Exempt	
2019	TIP	203331	S/TIP Line items	GVMC	Kent	Grand Rapids	S Division Avenue	Division Avenue at Burton St, at Franklin St, at Hall St and at Wealthy St	0.223	Traffic Safety	Signal modernization	CON	\$380,489	\$0	\$42,277	\$422,766	HSIP	Exempt	
2019	TIP	203396	S/TIP Line items	GVMC	Kent	Grand Rapids	Franklin Street SE	Franklin Street from Oakland Avenue SW to the east City Limits	2.540	Planning, Research & Design	Road Safety Audit	EPE	\$12,000	\$0	\$3,000	\$15,000	HSIP	Exempt	
2019	TIP	203408	S/TIP Line items	GVMC	Kent	Grand Rapids	Leonard Street NW	Leonard Street at Alpine Avenue	0.050	Traffic Safety	Signal modernization	CON	\$169,183	\$0	\$42,296	\$211,479	HSIP	Exempt	
2019	TIP	130707	Local Road	GVMC	Kent	Grandville	Ivanrest Ave	Prairie to 44th	1.494	Road Rehabilitation	Full depth overlay ADA ramp upgrades	CON	\$1,020,500	\$0	\$279,500	\$1,300,000	STU	Exempt	
2019	TIP	202532	5310	GVMC	Kent	Hope Network, Inc.	Transit Capital	Areawide	0.000	P003-Elderly and Disabled	Enhanced Mobility of Seniors and Individuals with Disabilities	NI	\$259,600	\$64,900	\$0	\$324,500	5310	Exempt	
2019	TIP	130545	S/TIP Line items	GVMC	Kent	Interurban Transit Partnership	Ellsworth Ave	Areawide	0.001	Planning, Research & Design	Free rides on Clean Air Action Days	EPE	\$80,000	\$0	\$20,000	\$100,000	CM	Exempt	
2019	TIP	130548	S/TIP Line items	GVMC	Kent	Interurban Transit Partnership	Ellsworth Ave	Areawide	0.001	Railroad	1 Replacement Go Bus	EPE	\$80,000	\$20,000	\$0	\$100,000	CM	Exempt	
2019	TIP	130553	Local Livability and Sustainability	GVMC	Kent	Interurban Transit Partnership	Ellsworth Ave	Areawide	0.001	Operation Improvement	Rideshare program	EPE	\$157,575	\$0	\$0	\$157,575	CMG	Exempt	
2019	TIP	130676	Local Livability and Sustainability	GVMC	Kent	Interurban Transit Partnership	Ellsworth Ave	Areawide	0.001	Transit	Replacement 40' buses/CNG	CON	\$720,000	\$180,000	\$0	\$900,000	CM	Exempt	
2019	TIP	203243	S/TIP Line items	GVMC	Kent	Interurban Transit Partnership	Transit Capital	Areawide	0.000	SP10-State Match urban Agency	Urbanized Area Formula Grants	NI	\$10,139,432	\$2,534,858	\$0	\$12,674,290	5307	Exempt	
2019	TIP	203289	5339	GVMC	Kent	Interurban Transit Partnership	Transit Capital	Areawide	0.000	1110-Bus Rolling Stock	Bus CNG Replacement (3)	NI	\$945,636	\$236,409	\$0	\$1,182,045	5339	Exempt	
2019	TIP	127069	Local Livability and Sustainability	GVMC	Kent	Kent County	Interurban Trail	Kelloggsville Park to 32nd St, city of Wyoming	0.001	Roadside Facilities - Preserve	Multi-use path resurfacing	CON	\$352,618	\$0	\$181,693	\$534,311	TAU	Exempt	
2019	TIP	130688	Local Road	GVMC	Kent	Kent County	Byron Center Ave	92nd Street to 84th Street	1.012	Road Rehabilitation	Resurface	CON	\$480,000	\$0	\$120,000	\$600,000	STU	Exempt	
2019	TIP	130692	Local Road	GVMC	Kent	Kent County	7 Mile Rd	Fruit Ridge Avenue to Alpine Avenue	3.942	Road Rehabilitation	Resurface	CON	\$805,304	\$0	\$294,696	\$1,100,000	STL	Exempt	
2019	TIP	130695	Local Road	GVMC	Kent	Kent County	6 Mile Rd	Walker Avenue to Alpine Avenue	1.974	Road Rehabilitation	Resurface	CON	\$471,000	\$0	\$129,000	\$600,000	STU	Exempt	
2019	TIP	202192	S/TIP Line items	GVMC	Kent	Kent County	W River Dr NW	West River Drive, Lankamp St. to N. Park St. within the City of Walker	1.389	New Facilities	Construct 1.3 mile of separated pathway along W River Dr in City of Walker	CON	\$1,105,000	\$0	\$595,000	\$1,700,000	TA	Exempt	
2019	TIP	202879	Local Road	GVMC	Kent	Kent County	5 Mile Rd NE	5 Mile Road from Plainfield Ave to East Beltline Ave (M-44)	0.890	Road Rehabilitation	Resurface	CON	\$274,750	\$0	\$75,250	\$350,000	STU	Exempt	
2019	TIP	202881	Local Road	GVMC	Kent	Kent County	Knapp St NE	Knapp Street from ECL to the East Beltline (M-44)	1.007	Road Rehabilitation	Resurface	CON	\$431,750	\$0	\$118,250	\$550,000	STU	Exempt	
2019	TIP	203485	S/TIP Line items	GVMC	Kent	Kent County	Shaner Avenue NE	Shaner Avenue from 15 Mile Rd southerly approx 0.25 miles	0.250	Traffic Safety	Vertical curve modification	CON	\$238,500	\$0	\$26,500	\$265,000	HRRR	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2019	TIP	130599	Local Traffic Operations And Safety	GVMC	Kent	Kent City	Patterson Ave	Patterson Avenue & 44th Street	0.001	Minor Widening	Dual left turn lanes	CON	\$600,000	\$0	\$150,000	\$750,000	CM	Exempt	
2019	TIP	130540	Local Traffic Operations And Safety	GVMC	Kent	Kentwood	Forest Hill Ave SE	At Burton Street	0.349	Minor Widening	Add 2 right turn lanes and upgrade signal	CON	\$300,000	\$0	\$75,000	\$375,000	CM	Exempt	
2019	TIP	130598	Local Traffic Operations And Safety	GVMC	Kent	Kentwood	East Paris Ave	East Paris at Sparks Intersection	0.001	Minor Widening	Add 1 right turn lane on East Paris	CON	\$90,000	\$0	\$35,000	\$125,000	CM	Exempt	
2019	TIP	202713	Local Livability and Sustainability	GVMC	Kent	Kentwood	Pinetree Ave SE	SRTS Kentwood Public Schools	0.441	Roadside Facilities -	Sidewalk construction, crosswalk	CON	\$196,852	\$0	\$0	\$196,852	TA	Exempt	
2019	TIP	45790	S/TIP Line items	GVMC	Kent	MDOT	I-196	Fuller Avenue east to I-96	2.051	Reconstruction/ Widening	replacement of I-196 (EB) over Plymouth Avenue structure (S25-3 of 41027) and widening for an additional through lane.	CON	\$18,660,982	\$4,138,019	\$0	\$22,799,000	NH	Non-Exempt	
2019	TIP	113685	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	M-21	At Carl Drive	0.129	Minor Widening	Extension of left turn lane	CON	\$405,000	\$45,000	\$0	\$450,000	HSIP	Exempt	
2019	TIP	118558	S/TIP Line items	GVMC	Kent	MDOT	I-196	I-196 WB over Plymouth Avenue	0.000	Bridge Replacement	Bridge replacement, widen, appr repl	CON	\$2,025,869	\$225,097	\$0	\$2,250,966	IM	Exempt	
2019	TIP	123325	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I 96 EB	At M-21	0.001	Major Widening	I-96 EB Weave-Merge lane and add M-21 EB On Ramp	ROW	\$286,475	\$63,525	\$0	\$0	CM	Exempt	
2019	TIP	123922	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	I-196 WB	I-196/US-131 Ramps	0.485	Traffic Safety	Bridge Deck Patching & Apply High Friction Surface	CON	\$229,500	\$25,500	\$0	\$255,000	HSIP	Exempt	
2019	TIP	126117	S/TIP Line items	GVMC	Kent	MDOT	M-57	Farland Ave East to Ramsdell Dr	2.010	Traffic Safety	Passing Relief Lanes	PE	\$247,500	\$27,500	\$0	\$275,000	HSIP	Exempt	
2019	TIP	128096	S/TIP Line items	GVMC	Kent	MDOT	I-96	Thornapple River Drive east to Whitneyville Road	2.734	Traffic Safety	Maintenance of Traffic (road maintenance)	CON	\$1,350,000	\$150,000	\$0	\$1,500,000	IM	Exempt	
2019	TIP	132548	S/TIP Line items	GVMC	Kent	MDOT	Leonard St NE	Kent County	2.719	Traffic Safety	Overhead Sign Upgrading in Ken	CON	\$4,600,000	\$0	\$0	\$4,600,000	NHG	Exempt	
2019	TIP	200591	Trunkline Road	GVMC	Kent	MDOT	US-131 N	44th Street north to M-11	2.563	Road Capital Preven	Milling and One Course Asphalt Overlay	CON	\$2,079,809	\$461,192	\$0	\$2,541,000	NH	Exempt	
2019	TIP	201238	Trunkline Road	GVMC	Kent	MDOT	Grand Rapids TSC Wide	Grand Rapids TSC Wide	0.000	Road Capital Preven	HMA Crack Treatment (FPVS)	CON	\$384,696	\$85,306	\$0	\$470,000	ST	Exempt	
2019	TIP	201942	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	US-131	US-131 NB and SB	4.104	Traffic Safety	Queue management system	EPE	\$22,500	\$2,500	\$0	\$25,000	HSIP	Exempt	
2019	TIP	201965	S/TIP Line items	GVMC	Kent	MDOT	US-131	US-131 Carpool Lot at 10 Mile Road Interchange (Facility 541007 - Rockford)	0.000	Roadside Facilities -	Cold Milling and Resurfacing	CON	\$54,840	\$12,161	\$0	\$67,000	NH	Exempt	
2019	TIP	202386	S/TIP Line items	GVMC	Kent	MDOT	US-131	At the Rockford Rest Area	0.000	Roadside Facilities -	Rehabilitate sanitary drain field	CON	\$223,946	\$49,659	\$0	\$273,605	ST	Exempt	
2019	TIP	130703	Local Road	GVMC	Kent	Rockford	Main St	Northland Drive to Lewis Street	0.573	Road Rehabilitation	Mill and Fill	CON	\$121,675	\$0	\$43,325	\$165,000	STU	Exempt	
2019	TIP	203291	S/TIP Line items	GVMC	Kent	Walker	Remembrance Road NW	Remembrance Road at Kinney Avenue	0.252	Traffic Safety	Roundabout construction	CON	\$564,885	\$0	\$62,765	\$627,650	HSIP	Exempt	
2019	TIP	130613	S/TIP Line items	GVMC	Kent	Wyoming	54th St	Haughey Avenue to US-131	0.461	Minor Widening	Add 3rd WB Lane	CON	\$0	\$1,326,485	\$331,621	\$1,658,106	EDC	Non-Exempt	
2019	TIP	130698	S/TIP Line items	GVMC	Ottawa	Hudsonville	Van Buren St	Balsam Drive to 36th Avenue	0.508	Reconstruction	Reconstruction	CON	\$293,590	\$0	\$80,410	\$374,000	STU	Exempt	
2019	TIP	118618	S/TIP Line items	GVMC	Ottawa	MDOT	I-196 (WB)	West of 32nd Avenue east to Ottawa/Kent County Line	4.996	Reconstruction	Reconstruction	CON	\$13,230,000	\$1,470,000	\$0	\$14,700,000	IM	Exempt	
2019	TIP	127777	Trunkline Bridge	GVMC	Ottawa	MDOT	I-196 WB	over 32nd & 22nd Avenues	0.000	Bridge CPM	Deck patch, epoxy overlay	CON	\$360,047	\$40,004	\$0	\$400,051	IM	Exempt	
2019	TIP	131775	S/TIP Line items	GVMC	Ottawa	MDOT	I-96	68th Avenue east to Bristol Avenue	15.261	Road Capital Preventive Maintenance	Concrete joint repairs, joint resealing and ramp resurfacing	CON	\$3,024,000	\$336,000	\$0	\$3,360,000	IM	Exempt	
2019	TIP	130710	Local Road	GVMC	Ottawa	Ottawa County	32nd Ave	Byron Road to Quincy Street	2.009	Road Rehabilitation	Resurface & construct various left turn lanes	CON	\$824,250	\$0	\$225,750	\$1,050,000	STU	Exempt	at intersections
2019	TIP	130674	Local Highway Rehab and Reconstruct	GVMC	Kent	Grand Rapids	Kalamazoo Avenue SE	Alger from Kalamazoo to Plymouth and Kalamazoo from Alger to 28th	1.043	Road Rehabilitation	Rotomill/resurface	CON	\$255,125			\$255,125	STU	Exempt	
2019	TIP	130706	S/TIP Line items	GVMC	Kent	Grand Valley Metropolitan Council	Front Ave	Planning Studies in the Grand Rapids MPO area which includes Kent County	0.001	Planning, Research & Design	Planning Studies that include Pavement Management, Congestion Mgt and GIS	EPE	\$149,990	\$0	\$33,260	\$183,250	STU	Exempt	
2019	TIP	204924	Local Livability and Sustainability	GVMC	Kent	Grand Valley Metropolitan Council	Front Ave NW	All of Kent County and a portion of Ottawa County	0.150	Planning, Research & Design	FY 19 Clean Air Action Program	NI	\$80,000	\$0	\$20,000	\$100,000	CM	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2019	TIP	204833	S/TIP Line items	GVMC	Kent	Interurban Transit Partnership	Transit Capital	Areawide	0.000	SP10-State Match urban Agency	FY18 Clean Air Action Days	NI	\$80,000	\$20,000	\$0	\$100,000	CM	Exempt	
2019	TIP	204834	S/TIP Line items	GVMC	Kent	Interurban Transit Partnership	Transit Capital	Areawide	0.000	SP10-State Match urban Agency	FY18 CMAQ - Bus purchase	NI	\$1,240,000	\$310,000	\$0	\$1,550,000	CM	Exempt	
2019	TIP	130697	Local Road	GVMC	Kent	Kent County	Kraft Avenue	36th St. to 28th St.	1.003	Road Rehabilitation	Resurface	CON	\$680,000	\$0	\$170,000	\$850,000	STU	Exempt	
2019	TIP	130935	S/TIP Line items	GVMC	Kent	Kent County	Caledonia Trails	84th St to Paul Henry Trail, Caledonia Twp	2.050	New Facilities	Construct Phase 1B of the Caledonia Trails	CON	\$775,908	\$0	\$775,908	\$1,551,816	TA	Exempt	
2019	TIP	124631	S/TIP Line items	GVMC	Kent	MDOT	Regionwide	Grand Region	0.000	ITS Applications	2019 WMTOC Control Room Operations	EPE	\$695,725	\$154,275	\$0	\$850,000	CM	Exempt	
2019	TIP	124632	S/TIP Line items	GVMC	Kent	MDOT	Regionwide	Grand Region	0.000	ITS Applications	2019 ITS maintenance and operations	EPE	\$736,650	\$163,350	\$0	\$900,000	CM	Exempt	
2019	TIP	129569	Trunkline Traffic Operations And Safety	GVMC	Kent	MDOT	M-6	Kent County	20.233	Traffic Safety	Freeway Signing Upgrading in K	CON	\$2,118,300	\$0	\$0	\$2,118,300	IMG	Exempt	
2019	TIP	200171	S/TIP Line items	GVMC	Kent	MDOT	M-37	44th Street north to 32nd Street	1.771	Road Capital Preventive Maintenance	Milling and One Course Asphalt Overlay, ADA Ramps	PE	\$49,110	\$9,665	\$1,225	\$60,000	NH	Exempt	
2019	TIP	200804	S/TIP Line items	GVMC	Ottawa	Ottawa County	42nd Ave	42nd Ave (East Side), between Pierce St & Park Trailhead , Georgetown Twp.	0.923	New Facilities	Construct pathway on the east side of 42nd Ave	CON	\$201,906	\$0	\$108,718	\$310,624	TA	Exempt	
2020	TIP	130566	Local Traffic Operations And Safety	GVMC	Kent	Grand Rapids	Market Ave	various locations	0.001	Traffic Safety	Signal detection install/upgrades var locations	CON	\$160,000	\$0	\$40,000	\$200,000	CM	Exempt	
2020	TIP	130568	Local Traffic Operations And Safety	GVMC	Kent	Grand Rapids	Market Ave	Various	0.001	Traffic Safety	Signal optimization @ up to 120 Fed aid locations	CON	\$240,000	\$0	\$60,000	\$300,000	CM	Exempt	
2020	TIP	130589	S/TIP Line items	GVMC	Kent	Grand Rapids	Areawide	Areawide	0.000	Planning, Research & Design	Planning Studies	EPE	\$150,000	\$0	\$37,500	\$187,500	STU	Exempt	
2020	TIP	130600	S/TIP Line items	GVMC	Kent	Grand Rapids	Hall St	Fuller Avenue to Colorado Avenue	0.298	Reconstruction	Reconstruction	CON	\$400,000	\$0	\$100,000	\$500,000	STU	Exempt	
2020	TIP	130602	Local Road	GVMC	Kent	Grand Rapids	Hall St	Division Avenue to Jefferson Avenue	0.174	Road Rehabilitation	Rotomill and Resurface	CON	\$100,000	\$0	\$25,000	\$125,000	STU	Exempt	
2020	TIP	130604	S/TIP Line items	GVMC	Kent	Grand Rapids	Hall St	Kalamazoo Avenue to Fuller Avenue	0.289	Reconstruction	Reconstruction	CON	\$400,000	\$0	\$100,000	\$500,000	STU	Exempt	
2020	TIP	130605	Local Road	GVMC	Kent	Grand Rapids	Walker Ave	Stocking Avenue to Leonard Street	1.072	Road Rehabilitation	Rotomill and Resurface	CON	\$580,000	\$0	\$145,000	\$725,000	STU	Exempt	
2020	TIP	130606	Local Road	GVMC	Kent	Grand Rapids	Madison Ave	28th Street to Alger Street	0.507	Road Rehabilitation	Rotomill and Resurface	CON	\$284,000	\$0	\$71,000	\$355,000	STU	Exempt	
2020	TIP	130607	Local Road	GVMC	Kent	Grand Rapids	Alger St	Madison Avenue to Eastern Avenue	0.501	Road Rehabilitation	Reconstruction/rotomill/resurface	CON	\$532,000	\$0	\$133,000	\$665,000	STU	Exempt	
2020	TIP	130608	Local Road	GVMC	Kent	Grand Rapids	Ottawa Ave	Fulton Street to Michigan Street	0.532	Road Rehabilitation	Rotomill and Resurface	CON	\$284,000	\$0	\$71,000	\$355,000	STU	Exempt	
2020	TIP	130609	Local Road	GVMC	Kent	Grand Rapids	Madison Ave	Franklin Street to Wealthy Street	0.498	Road Rehabilitation	Rotomill and Resurface	CON	\$384,000	\$0	\$96,000	\$480,000	STU	Exempt	
2020	TIP	130610	Local Road	GVMC	Kent	Grand Rapids	Eastern Ave	Ardmore Street to Oakdale Street	0.626	Road Rehabilitation	Rotomill and Resurface	CON	\$500,000	\$0	\$125,000	\$625,000	STU	Exempt	
2020	TIP	130611	Local Road	GVMC	Kent	Grand Rapids	Lake Dr	Carlton Avenue to ECL	0.388	Road Rehabilitation	Rotomill and Resurface	CON	\$400,000	\$0	\$100,000	\$500,000	STU	Exempt	
2020	TIP	130612	S/TIP Line items	GVMC	Kent	Grand Rapids	Division Ave	Wealthy Street to Cherry Street	0.248	Reconstruction	Reconstruction	CON	\$127,709			\$127,709	STU	Exempt	
2020	TIP	130827	Local Traffic Operations And Safety	GVMC	Kent	Grand Rapids	Market Ave	Areawide	0.001	Traffic Safety	Regional Signal System TMS Operations	EPE	\$528,000	\$0	\$132,000	\$660,000	CM	Exempt	
2020	TIP	130834	Local Road	GVMC	Kent	Grand Rapids	Market Ave	Frontage to 200' W of Plaster Crk and Coit to Mark	0.888	Road Rehabilitation	Rotomill and Resurface	CON	\$600,000	\$0	\$150,000	\$750,000	STU	Exempt	
2020	TIP	202401	S/TIP Line items	GVMC	Kent	Grand Rapids	N Park St NE	North Park Street over Grand River, Str# 5194	0.000	Bridge CPM	Miscellaneous Capital Preventative Maintenance	CON	\$348,800	\$65,400	\$21,800	\$436,000	BHT	Exempt	
2020	TIP	130564	Local Livability and Sustainability	GVMC	Kent	Grand Valley N	Front Ave	Areawide	0.001	Planning, Research & Design	Clean Air Action Days	CON	\$80,000	\$0	\$20,000	\$100,000	CM	Exempt	
2020	TIP	203321	5310	GVMC	Kent	Hope Network, Inc.	Transit Operations	Areawide	0.000	P003-Elderly and Disabled	Enhanced Mobility of Seniors and individuals with disabilities	NI	\$306,400	\$76,600	\$0	\$383,000	5310	Exempt	
2020	TIP	130546	Local Livability and Sustainability	GVMC	Kent	Interurban Transit Partnership	Ellsworth Ave	Areawide	0.001	Operation Improvements	Rideshare program	EPE	\$132,363	\$33,091	\$0	\$165,454	CM	Exempt	
2020	TIP	130555	S/TIP Line items	GVMC	Kent	Interurban Transit Partnership	Ellsworth Ave	Areawide	0.001	Railroad	Free rides on Clean Air Action Days	EPE	\$80,000	\$20,000	\$0	\$100,000	CM	Exempt	
2020	TIP	130558	S/TIP Line items	GVMC	Kent	Interurban Transit Partnership	Ellsworth Ave	Areawide	0.001	Railroad	4 Replacement VanPool Vans	EPE	\$100,000	\$25,000	\$0	\$125,000	CM	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2020	TIP	130562	Local Livability and Sustainability	GVMC	Kent	Interurban Transit Partnership	Ellsworth Ave	Areawide	0.001	Contracts	Replacement 40' buses/CNG (3)	EPE	\$1,070,000	\$360,000	\$0	\$1,430,000	CM	Exempt	
2020	TIP	203323	S/TIP Line items	GVMC	Kent	Interurban Transit Partnership	Transit Capital	Areawide	0.000	SP10-State Match urban Agency	Urbanized Area Formula Grants	NI	\$10,409,588	\$2,602,397	\$0	\$13,011,985	5307	Exempt	
2020	TIP	203325	5339	GVMC	Kent	Interurban Transit Partnership	Transit Capital	Areawide	0.000	1110-Bus Rolling Stock	Bus and Bus Facilities Program	NI	\$1,416,772	\$354,193	\$0	\$1,770,965	5339	Exempt	
2020	TIP	130580	S/TIP Line items	GVMC	Kent	Kent County	Fruit Ridge Ave	6 Mile Road to 7 Mile Road	0.998	Reconstruction	Reconstruct Existing	CON	\$821,410	\$0	\$378,590	\$1,200,000	STL	Exempt	
2020	TIP	130581	S/TIP Line items	GVMC	Kent	Kent County	84th St	Division Avenue to Eastern Avenue	0.975	Major Widening	Reconstruct to 3 lane	CON	\$0	\$1,021,629	\$255,000	\$1,276,629	EDC	Non-Exempt	
2020	TIP	130586	Local Traffic Operations And Safety	GVMC	Kent	Kent County	Segwun Ave SE	South of Segwun Avenue to Grand River Drive	0.347	Minor Widening	Widen to 3 Lanes	CON	\$713,014	\$0	\$178,254	\$891,268	STU	Non-Exempt	
2020	TIP	130587	S/TIP Line items	GVMC	Kent	Kent County	Spaulding Ave	Ada Drive to Cascade Road	0.450	Reconstruction	Reconstruction and Widening	CON	\$640,000	\$0	\$160,000	\$800,000	STL	Non-Exempt	
2020	TIP	130594	S/TIP Line items	GVMC	Kent	Kent County	84th St	Kalamazoo Avenue to Breton Avenue	1.004	Reconstruction	Reconstruction	CON	\$1,120,000	\$0	\$280,000	\$1,400,000	STU	Exempt	
2020	TIP	130577	Local Traffic Operations And Safety	GVMC	Kent	Kentwood	Burton St	Burton/East Paris Intersection	0.001	Traffic Safety	Add right turn lanes on NE and NW quads	CON	\$208,000	\$0	\$52,000	\$260,000	CM	Exempt	
2020	TIP	130593	Local Road	GVMC	Kent	Kentwood	52nd St	Broadmoor to Patterson Avenue	0.358	Road Rehabilitation	Mill and fill	CON	\$500,000	\$0	\$125,000	\$625,000	STU	Exempt	
2020	TIP	74010	S/TIP Line items	GVMC	Kent	MDOT	Regionwide	Lake, Barry, Mason, Osceola and Allegan Counties	0.000	Roadside Facilities - Preserve	Signing Upgrade	CON	\$49,110	\$9,529	\$1,361	\$60,000	ST	Exempt	
2020	TIP	109866	Trunkline Bridge	GVMC	Kent	MDOT	I-196	I-196 EB over M-45 WB ramp	0.000	Bridge Rehabilitation	Shallow ovrlly, beam rprs	CON	\$1,530,000	\$170,000	\$0	\$1,700,000	IM	Exempt	
2020	TIP	115798	Trunkline Bridge	GVMC	Kent	MDOT	I-196 EB	I-196 EB over M-45	0.000	Bridge Rehabilitation	Shallow ovrlly, substr repr	CON	\$1,530,000	\$170,001	\$0	\$1,700,000	IM	Exempt	
2020	TIP	128768	Trunkline Roadside Infrastructure Improvement	GVMC	Kent	MDOT	I-96	I-96: M-37 east to M-44; I-196 @ M-11 Interchange	2.775	Operation Improvements	Upgrade to LED	PE	\$5,458	\$606	\$0	\$0	IM	Exempt	
2020	TIP	200144	Trunkline Road	GVMC	Kent	MDOT	Regionwide	Grand Region	0.000	Road Capital Preventive Maintenance	Overband Crack Fill (FPVS)	CON	\$388,788	\$86,213	\$0	\$475,000	NH	Exempt	
2020	TIP	200162	S/TIP Line items	GVMC	Kent	MDOT	M-37	Lake Eastbrook Boulevard north to I-96	3.665	Road Capital Preventive Maintenance	Full Depth Concrete Pavement Repairs, ADA Ramps	CON	\$1,246,576	\$276,425	\$0	\$1,523,000	NH	Exempt	
2020	TIP	200171	S/TIP Line items	GVMC	Kent	MDOT	M-37	44th Street north to 32nd Street	1.771	Road Capital Preventive Maintenance	Milling and One Course Asphalt Overlay, ADA Ramps	CON	\$713,732	\$140,463	\$17,805	\$872,000	NH	Exempt	
2020	TIP	200579	S/TIP Line items	GVMC	Kent	MDOT	I-196	The Grand River east to Lane Avenue	2.501	Road Rehabilitation	Concrete Joint Repairs and High Friction Surface Treatment	CON	\$3,870,000	\$430,000	\$0	\$4,300,000	IM	Exempt	
2020	TIP	200585	Trunkline Road	GVMC	Kent	MDOT	M-11	Church Street east to US-131	4.203	Road Rehabilitation	Two Course Asphalt Resurfacing	PE	\$134,234	\$27,284	\$2,482	\$164,000	NH	Exempt	
2020	TIP	130200	S/TIP Line items	GVMC	Kent	Walker	Kinney Ave	Three Mile to Waldorf	0.510	Reconstruction	Reconstruct	CON	\$320,000	\$0	\$80,000	\$400,000	STU	Exempt	
2020	TIP	130578	Local Traffic Operations And Safety	GVMC	Kent	Wyoming	Byron Center Ave	At 44th Street	0.001	Minor Widening	Add NB RT Only Lane	CON	\$144,000	\$0	\$56,000	\$200,000	CM	Exempt	
2020	TIP	118616	S/TIP Line items	GVMC	Ottawa	MDOT	I-196 (EB)	West of 32nd Avenue east to East of the Ottawa/Kent County Line	5.303	Reconstruction	Reconstruction	CON	\$15,300,000	\$1,700,000	\$0	\$17,000,000	IM	Exempt	
2020	TIP	127779	Trunkline Bridge	GVMC	Ottawa	MDOT	I-196 EB	over 32nd Avenue	0.000	Bridge CPM	Deck patch, epoxy overlay	CON	\$224,777	\$24,975	\$0	\$249,752	IM	Exempt	
2020	TIP	129341	S/TIP Line items	GVMC	Ottawa	MDOT	I-196	I-196 from 32nd Ave to 44th St.	4.839	ITS Applications	Traffic Surveillance Cameras	CON	\$409,250	\$90,750	\$0	\$500,000	ST	Exempt	
2020	TIP	130595	Local Road	GVMC	Ottawa	Ottawa County	Port Sheldon St	44th Street to Main Street	2.493	Road Rehabilitation	Resurface	CON	\$600,000	\$0	\$450,000	\$1,050,000	STU	Exempt	
2020	TIP	130597	Local Road	GVMC	Ottawa	Ottawa County	44th St	Chicago Drive to 8th Avenue	1.685	Road Rehabilitation	Resurface	CON	\$400,000	\$0	\$440,000	\$840,000	STU	Exempt	
2020	TIP	203234	S/TIP Line items	GVMC	Ottawa	Ottawa County	12th Ave	10th Ave/Golfside to 12th Avenue, Georgetown Twp	1.608	New Facilities	Grand River Greenway Trail Phase III (Cottonwood Drive to Bend Area)	CON	\$260,007	\$0	\$173,338	\$433,345	TA	Exempt	
2020	TIP	130736	Local Traffic Operations And Safety	GVMC	Kent	Walker	Three Mile Road	Walker Avenue at 3 Mile Road	0.001	Traffic Safety	Add dual lefts from EB 3 Mile Road to NB Walker	CON	\$320,000			\$320,000	CM	Exempt	
GVMC 2040 LRTP Projects																			
Fiscal Year	Job Type	JobNet ID	GPA Type	MPO	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Federal Cost	State Cost	Local Cost	Total Project Cost	Fund Source	Air Quality	Air Quality Comment
2018-2020				GVMC	Kent	Various	Pavement Preservation	TBD			Various pavement condition Improvements		\$25,160,000		\$6,290,000	\$31,450,000	STP-U	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2018-2020				GVMC	Kent	Various	Congestion Mitigation	TBD			Congestion relief/Air Quality Improvements		\$7,650,000		\$1,912,500	\$9,562,500	CMAQ	Exempt	
2018-2020				GVMC	Kent	Various	Transportation Alternatives Program	TBD			Non-motorized and other alernative projects		\$2,130,000		\$532,500	\$2,662,500	TAP	Exempt	
2018-2020				GVMC	Kent	Various	Safety Enhancements	TBD			Safety Related Improvements		\$3,240,000		\$810,000	\$4,050,000	HSIP	Exempt	
2018-2020				GVMC	Kent	Various	Pavement Preservation - NHS	TBD			Pavement Imrpovements on NHS		\$2,550,000		\$637,500	\$3,187,500	NHPP	Exempt	
2018-2020				GVMC	Kent	Various	Bridge Maintenance Program	TBD			Bridge Improvements		\$5,050,000		\$1,262,500	\$6,312,500	BRIDGE	Exempt	
2018-2020				GVMC	Kent	Various	Rural Transportation Program	TBD			Rural Transportation Improvements		\$2,580,000		\$645,000	\$3,225,000	STPR	Exempt	
2018-2020				GVMC	Kent	Various	Transportation Economic Develop	TBD			Transportation Economic Development Projects		\$2,970,000		\$742,500	\$3,712,500	EDF-C &D	Exempt	
2018-2020				GVMC	Kent	Various	Operations and Maintenance	General			Operating and Maintaining federal aid roads		\$60,430,000		\$15,107,500	\$75,537,500	O&M	Exempt	
2018-2020				GVMC	Kent	ITP	Transit - Capital	Systemwide			Capital improvement Projects		\$28,200,000	\$2,820,000	\$2,820,000	\$31,020,000	5307, CTF	Exempt	
2018-2020				GVMC	Kent	Various	Transit - Seniors/Disabled	Systemwide			Projects to assist the disabled and seniors		\$1,410,000	\$141,000	\$141,000	\$1,551,000	5310, CTF	Exempt	
2018-2020				GVMC	Kent	ITP	Transit - Facilities	Systemwide			Bus Replacement		\$3,200,000	\$320,000	\$320,000	\$3,520,000	5339, CTF	Exempt	
2018-2020				GVMC	Kent	ITP	Transit Operating	Systemwide			System Operations		\$37,840,000	\$3,784,000	\$3,784,000	\$41,624,000	CTF	Exempt	
2018-2020				GVMC	Kent	MDOT	System Preservation	Various Trunklines			Preserve trunkline system in the region		\$112,030,000	\$28,007,500.00	\$0	\$112,030,000	STP, NHS	Exempt	
2018		130541	S/TIP Line items	GVMC	Kent	KCRC	Knapp St	Dunnigan Ave to Grand River Dr	2.1	Major Widening	Widen to 3 lanes	Con	0	\$1,227,055	\$0	\$2,052,649	EDC	non-exempt	
2018		130541	S/TIP Line items	GVMC	Kent	KCRC	Knapp St	Dunnigan Ave to Grand River Dr	2.1	Major Widening	Widen to 3 lanes	Con	\$660,475	\$0.00	\$165,119	\$2,052,649	EDCF	non-exempt	
2018		130746	S/TIP Line items	GVMC	Kent	KCRC	Knapp St	The Grand River to West of Pettis Ave	0.49	Minor Widening	Widen to 3 lanes	Con	\$640,000	\$0.00	\$160,000	\$800,000	EDCF	non-exempt	
2018		123325	Trunkline Traffic Operations and Safety	GVMC	Kent	MDOT	I-96 EB	At M-21	0.001	Major Widening	I-96 EB Weaver-Merge lane and add M-21 EB On ramp	PE	\$245,550	\$54,450.00	\$0	\$300,000		Exempt	
2018		130764	S/TIP Line items	GVMC	Ottawa	OCRC	Cottonwood Drive	Baldwin St to Bauer Rd	1.425	Major Widening	Reconstruct 4 to 5 lanes	Con	\$1,500,000	\$0.00	#####	\$4,279,419	STU	non-exempt	
2018		126117	S/TIP Line items	GVMC	kent	MDOT	M-57	Farland Ave East to Ramsdell Dr	2.01	Traffic Safety	Passing Relief Lanes	EPE	\$67,500	\$7,500.00	\$0.00	\$75,000		non-exempt	
2019		130613	S/TIP Line items	GVMC	Kent	Wyoming	54th St	Haufhey Ave to US-131	0.461	Minor Widening	Add 3rd WB Lane	Con	\$0	\$1,326,485.00	\$331,621	\$1,658,106	EDC	non-exempt	
2019		45790	S/TIP Line items	GVMC	Kent	MDOT	I-196	Fuller to I-96 Junction	2		Additional lane in each direction per EA	CON	\$18,660,982	\$4,138,019		\$22,799,000	NH, MTF	nonexempt	
2020		130581	S/TIP Line items	GVMC	Kent	KCRC	84th St	Division Ave to Eastern Ave	0.975	Major Widening	Reconstruct to 3 lanes	Con	\$0	\$1,021,629.00	\$255,000	\$1,276,629	EDC	non-exempt	
2020		130586	Local Traffic Operations and Safety	GVMC	Kent	KCRC	Segwun Ave SE	South of Segwun to Grand River Drive	0.45	Minor Widening	Widen to 3 lanes	Con	\$713,014	\$0.00	\$178,254	\$891,268		non-exempt	
2021-2030				GVMC	Kent	MDOT	I-196/WB Bridge over the Grand R	Near Ottawa Ave			Widen Bridge & Extend WB to SB Off Ramp		\$16,000,000	\$4,000,000		\$20,000,000	IE, MTF	Exempt	
2021-2030				GVMC	Kent	MDOT	I-96	Leonard to Cascade	3		Add Lanes/ new ramps/ C's & D's per EA		\$320,000,000	\$80,000,000		\$400,000,000	IE, MTF	non-exempt	
2021-2030				GVMC	Kent	MDOT	M-44/M-37 (East Beltline)	M-21 to Knapp	3		Additional through and turning lanes		\$40,000,000	\$10,000,000		\$50,000,000	IE, MTF	non-exempt	
2021-2030				GVMC	Kent	MDOT	I-196	@ Ottawa Avenue			New NB Access to NB Division (US-131 BR)		\$16,000,000	\$4,000,000		\$20,000,000	IE, MTF	non-exempt	
2021-2030				GVMC	Kent	Various	Pavement Preservation	TBD			Various pavement condition Improvements		\$109,630,000		\$27,407,500	\$109,630,000	STP-U	Exempt	
2021-2030				GVMC	Kent	Various	Congestion Mitigation	TBD			Congestion relief/Air Quality Improvements		\$25,520,000		\$6,380,000	\$25,520,000	CMAQ	Exempt	
2021-2030				GVMC	Kent	Various	Transportation Alternatives Progr	TBD			Non-motorized and other alernative projects		\$8,290,000		\$2,072,500	\$8,290,000	TAP	Exempt	
2021-2030				GVMC	Kent	Various	Safety Enhancements	TBD			Safety Related Improvements		\$12,650,000		\$3,162,500	\$12,650,000	HSIP	Exempt	
2021-2030				GVMC	Kent	Various	Pavement Preservation - NHS	TBD			Pavement Imrpovements on NHS		\$9,790,000		\$2,447,500	\$9,790,000	NHPP	Exempt	
2021-2030				GVMC	Kent	Various	Bridge Maintenance Program	TBD			Bridge Improvements		\$19,600,000		\$4,900,000	\$19,600,000	BRIDGE	Exempt	
2021-2030				GVMC	Kent	Various	Rural Transportation Program	TBD			Rural Transportation Improvements		\$9,890,000		\$2,472,500	\$9,890,000	STPR	Exempt	
2021-2030				GVMC	Kent	Various	Transportation Economic Develop	TBD			Transportation Economic Development Projects		\$9,980,000		\$2,495,000	\$9,980,000	EDF-C &D	Exempt	
2021-2030				GVMC	Kent	Various	Operations and Maintenance	General			Operating and Maintaining federal aid roads		\$231,850,000		\$57,962,500	\$231,850,000	O&M	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2021-2030				GVMC	Kent	ITP	Transit - Capital	Systemwide			Capital improvement Projects		\$118,700,000		\$29,675,000	\$148,375,000	5307	Exempt	
2021-2030				GVMC	Kent	Various	Transit - Seniors/Disabled	Systemwide			Projects to assist the disabled and seniors		\$5,940,000		\$1,485,000	\$7,425,000	5310	Exempt	
2021-2030				GVMC	Kent	ITP	Transit - Facilities	Systemwide			Bus Replacement		\$13,450,000		\$3,362,500	\$16,812,500	5339	Exempt	
2021-2030				GVMC	Kent	ITP	Transit Operating	Systemwide			System Operations		\$129,050,000		\$32,262,500	\$161,312,500	CTF	Exempt	
2021-2030				GVMC	Kent	MDOT	System Preservation	Various Trunklines			Preserve trunkline system in the region		\$501,240,000		\$125,310,000	\$626,550,000	STP,NHS	Exempt	
2031-2040				GVMC	Kent	Various	Pavement Preservation	TBD			Various pavement condition Improvements		\$138,830,000		\$34,707,500	\$173,537,500	STP-U	Exempt	
2031-2040				GVMC	Kent	Various	Congestion Mitigation	TBD			Congestion relief/Air Quality Improvements		\$25,520,000		\$6,380,000	\$31,900,000	CMAQ	Exempt	
2031-2040				GVMC	Kent	Various	Transportation Alternatives Program	TBD			Non-motorized and other alernative projects		\$10,490,000		\$2,622,500	\$13,112,500	TAP	Exempt	
2031-2040				GVMC	Kent	Various	Safety Enhancements	TBD			Safety Related Improvements		\$16,010,000		\$4,002,500	\$20,012,500	HSIP	Exempt	
2031-2040				GVMC	Kent	Various	Pavement Preservation - NHS	TBD			Pavement Imrprovements on NHS		\$13,190,000		\$3,297,500	\$16,487,500	NHPP	Exempt	
2031-2040				GVMC	Kent	Various	Bridge Maintenance Program	TBD			Bridge Improvements		\$24,640,000		\$6,160,000	\$30,800,000	BRIDGE	Exempt	
2031-2040				GVMC	Kent	Various	Rural Transportation Program	TBD			Rural Transportation Improvements		\$12,520,000		\$3,130,000	\$15,650,000	STPR	Exempt	
2031-2040				GVMC	Kent	Various	Transportation Economic Development	TBD			Transportation Economic Development Projects		\$9,980,000		\$2,495,000	\$12,475,000	EDF-C & D	Exempt	
2031-2040				GVMC	Kent	Various	Operations and Maintenance	General			Operating and Maintaining federal aid roads		\$257,000,000		\$64,250,000	\$321,250,000	O&M	Exempt	
2031-2040				GVMC	Kent	ITP	Transit - Capital	Systemwide			Capital improvement Projects		\$170,400,000		\$42,600,000	\$213,000,000	5307	Exempt	
2031-2040				GVMC	Kent	Various	Transit - Seniors/Disabled	Systemwide			Projects to assist the disabled and seniors		\$8,530,000		\$2,132,500	\$10,662,500	5310	Exempt	
2031-2040				GVMC	Kent	ITP	Transit - Facilities	Systemwide			Bus Replacement		\$19,300,000		\$4,825,000	\$24,125,000	5339	Exempt	
2031-2040				GVMC	Kent	ITP	Transit Operating	Systemwide			System Operations		\$133,900,000		\$33,475,000	\$167,375,000	STP, NHS	Exempt	
2031-2040				GVMC	Kent	MDOT	System Preservation	Various Trunklines			Preserve trunkline system in the region		\$635,330,000	\$158,832,500		\$794,162,500	STP, NHS	Exempt	
WestPlan TIP Ottawa County																			
Fiscal Year	Job Type	Job#	GPA Type	MPO	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Estimated Amount	State Estimated Amount	Local Estimated Amount	Total Estimated Amount	Fund Source	Air Quality	Air Quality Comments
2018	Multi-Modal	201505	CTF	WESTPLAN	Ottawa	Harbor Transit Multi-Model Transportation System	N Ferry St	Harbor Transit Multi-Modal Transportation System/Ottawa County	0.000	SP05-Local Bus Oper	Formula Budget	NI	\$0	\$0	\$0	\$0	CTF	Exempt	
2018	Multi-Modal	201505	CTF	WESTPLAN	Ottawa	Harbor Transit Multi-Model Transportation System	N Ferry St	Harbor Transit Multi-Modal Transportation System/Ottawa County	0.000	SP05-Local Bus Oper	Formula Budget	NI	\$0	\$1,224,424	\$0	\$1,224,424	CTF	Exempt	
2019	Local	126424	Local Livability and	WESTPLAN	Ottawa	Spring Lake	North Bank Trail	130th Ave to 112th Ave, Crocker	3.100	Roadside Facilities -	Nonmotorized Path	CON	\$1,145,200	\$0	\$490,800	\$1,636,000	TAUL	Exempt	
2019	Trunkline	127479	Not Applicable	WESTPLAN	Ottawa	MDOT	M-104	Kruger Street east to 148th Avenue	0.310	Major Widening	Center Left Turn Lane	PE	\$96,583	\$21,417	\$0		CM	Exempt	
2021	Trunkline	127479	Not Applicable	WESTPLAN	Ottawa	MDOT	M-104	Kruger Street east to 148th Avenue	0.310	Major Widening	Center Left Turn Lane	CON	\$458,360	\$101,640	\$0		CM	Exempt	
2018	Local	129674	Not Applicable	WESTPLAN	Ottawa	Ottawa County	Osborn Street	104th Avenue to 68th Avenue	4.811	Road Rehabilitation	Resurface	CON	\$0	\$71,615	\$0	\$71,615	EDD	Exempt	
2018	Local	129674	Not Applicable	WESTPLAN	Ottawa	Ottawa County	Osborn Street	104th Avenue to 68th Avenue	4.811	Road Rehabilitation	Resurface	CON	\$639,478	\$0	\$1,365,807	\$2,005,285	STL	Exempt	
2019	Local	130778	Not Applicable	WESTPLAN	Ottawa	Grand Haven	Northshore Drive	Grand Haven City Limit to Main S	0.921	Reconstruction	Reconstruct add 10" paved s	CON	\$319,361	\$0	\$1,083,775	\$1,403,136	STUL	Exempt	
2020	Local	130779	Not Applicable	WESTPLAN	Ottawa	Ottawa County	Lakeshore Dr	Rosy Mound Drive to Buchanan S	2.660	Road Rehabilitation	Resurface existing 30' width	CON	\$630,859	\$0	\$570,641	\$1,201,500	STUL	Exempt	
2019	Local	130780	Not Applicable	WESTPLAN	Ottawa	Spring Lake	Exchange Street	Jackson to Elm	0.285	Reconstruction	Resurface	CON	\$200,000	\$0	\$330,000	\$530,000	STUL	Exempt	
2019	Local	130785	Not Applicable	WESTPLAN	Ottawa	Ottawa County	Comstock St	168th to Mercury	0.383	Road Rehabilitation	Resurface existing width, res	CON	\$420,000	\$0	\$334,200	\$754,200	STUL	Exempt	
2020	Local	130795	Not Applicable	WESTPLAN	Ottawa	Ferrysburg	Northshore Drive	North Shore Estates Road to City of FB city limits	0.643	Reconstruction	Reconstruct	CON	\$286,000	\$0	\$414,000	\$700,000	STUL	Exempt	
2018	Local	130813	Not Applicable	WESTPLAN	Ottawa	Ottawa County	Robbins Road	Robbins Road from Moreland Street to Mercury Drive	0.738	Road Rehabilitation	Resurface existing 30' width	CON	\$222,500	\$0	\$100,000	\$322,500	STUL	Exempt	
2021	Trunkline	200107	Not Applicable	WESTPLAN	Ottawa	MDOT	US-31 N	Over the Grand River	0.000	Bridge Rehabilitation	Full Paint, steel repairs, grid	CON	\$11,589,327	\$2,569,899	\$0		NH	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2019	Trunkline	200348	Not Applicable	WESTPLAN	Kent	MDOT	I-196BS	US-31 NB OFF RAMP @ M-46(APPLE) US-31 SB OFF RAMP @ M-46(APPLE) M121 (CHICAGO DR) @ COTTONWOOD DR (6 pole) M121 (CHICAGO DR) EB @ XOVER W. OF ROSEWOOD	0.000	Traffic Safety	Traffic Signal Modernizations; connected vehicle installations.	ROW	\$0	\$0	\$0		STG	Exempt	
2020	Trunkline	200348	Not Applicable	WESTPLAN	Kent	MDOT	I-196BS	US-31 NB OFF RAMP @ M-46(APPLE) US-31 SB OFF RAMP @ M-46(APPLE) M121 (CHICAGO DR) @ COTTONWOOD DR (6 pole) M121 (CHICAGO DR) EB @ XOVER W. OF ROSEWOOD	0.000	Traffic Safety	Traffic Signal Modernizations; connected vehicle installations.	CON	\$784,944	\$0	\$0		STG	Exempt	
2018	Trunkline	200671	Not Applicable	WESTPLAN	Ottawa	MDOT	M-45	US-31 east to M-231	4.584	Road Capital Preventive Maintenance	Milling and One Course Asphalt	CON	\$980,563	\$217,437	\$0		ST	Exempt	
2020	Trunkline	200672	Not Applicable	WESTPLAN	Ottawa	MDOT	M-45	120th Ave to 96th Ave	6.095	Road Capital Preventive Maintenance	Milling & One Course Asphalt	CON	\$585,480	\$128,520	\$0		NH	Exempt	
2018	Trunkline	200806	Not Applicable	WESTPLAN	Kent	MDOT	Leonard St NE	I-96, M-120	0.000	Operation Improvement	Upgrade tower lighting luminaires	CON	\$287,656	\$63,144	\$0		ST	Exempt	
2019	Local	201121	Not Applicable	WESTPLAN	Ottawa	Ottawa County	120th Ave	120th Ave to 112th Ave along Terra Verde Course, Crockery Township	2.737	New Facilities	Construct Phase 2 of trail connecting North Bank to Grand River Greenway	CON	\$1,540,318	\$0	\$593,172	\$2,133,490	TA	Exempt	
2018	Trunkline	202476	Not Applicable	WESTPLAN	Oceana	MDOT	US-31 S	EB I-96 east of M-104	1.010	Traffic Safety	Planting living snow fence along	CON	\$27,460	\$3,051	\$0		HSIP	Exempt	
2018	Multi-Modal	202906	Not Applicable	WESTPLAN	Ottawa	Harbor Transit Multi-Model Transportation System	N Ferry St	Areawide	0.000	SP10-State Match urban Agency	Bus replacement, Outreach and	NI	\$278,000	\$69,500	\$0	\$347,500	CM	Exempt	
2019	Trunkline	203017	Not Applicable	WESTPLAN	Kent	MDOT	Grand Region longitudinal pavement markings	Muskegon Area	1.089	Traffic Safety	Application of longitudinal pavement	PE	\$1,125	\$125	\$0		HSIP	Exempt	
2019	Trunkline	203017	Not Applicable	WESTPLAN	Kent	MDOT	Grand Region longitudinal pavement markings	Muskegon Area	1.089	Traffic Safety	Application of longitudinal pavement	CON	\$205,937	\$22,882	\$0		HSIP	Exempt	
2019	Trunkline	203018	Not Applicable	WESTPLAN	Kent	MDOT	Grand Region special pavement markings	Muskegon Area	1.863	Traffic Safety	Application of special pavement	PE	\$90	\$10	\$0		HSIP	Exempt	
2019	Trunkline	203018	Not Applicable	WESTPLAN	Kent	MDOT	Grand Region special pavement markings	Muskegon Area	1.863	Traffic Safety	Application of special pavement	CON	\$1,125	\$125	\$0		HSIP	Exempt	
2019	Multi-Modal	203203	Not Applicable	WESTPLAN	Ottawa	Harbor Transit Multi-Model Transportation System	Transit Operations	Areawide	0.000	4420-Metropolitan Planning	Conduct transit and marketing	NI	\$20,000	\$5,000	\$0	\$25,000	CM	Exempt	
2019	Trunkline	203508	Not Applicable	WESTPLAN	Kent	MDOT	I-296 N	Muskegon Area	1.362	Traffic Safety	Pavement marking retroreflectivity readings and condition assessment	CON	\$1,282	\$142	\$0		HSIP	Exempt	
2018	Multi-Modal	203948	Not Applicable	WESTPLAN	Ottawa	Harbor Transit Multi-Model Transportation System	N Ferry St	Areawide/Harbor Transit/Ottawa County	0.000	SP10-State Match urban Agency	Purchase replacement buses	NI	\$548,041	\$137,010	\$0	\$685,051	5307	Exempt	
2018	Multi-Modal	203949	Not Applicable	WESTPLAN	Ottawa	Harbor Transit Multi-Model Transportation System	N Ferry St	Areawide/Harbor Transit/Ottawa County	0.000	SP10-State Match urban Agency	Purchase replacement buses	NI	\$65,210	\$16,303	\$0	\$81,513	5339	Exempt	
2022	Trunkline	204951	Not Applicable	WESTPLAN	Kent	MDOT	M-44 E	Muskegon	0.000	Traffic Safety	Install traffic signal dilemma	PE	\$19,067	\$2,119	\$0		HSIP	Exempt	
2023	Trunkline	204951	Not Applicable	WESTPLAN	Kent	MDOT	M-44 E	Muskegon	0.000	Traffic Safety	Install traffic signal dilemma	CON	\$118,640	\$13,182	\$0		HSIP	Exempt	
2018	Multi-Modal	203946	Transit Capital	WESTPLAN	Ottawa	Harbor Transit	Transit Capital	Areawide/Harbor Transit/Ottawa County	0.000	SP10-State Match urban Agency	Construct an administration building	NI	\$800,000	\$200,000	\$0	\$1,000,000	5339	Exempt	
2018	Trunkline	126928	Trunkline Bridge	WESTPLAN	Ottawa	MDOT	I-96 WB	EB & WB over the Crockery Creek	0.000	Bridge Rehabilitation	Deep overlay, Substructure repair	CON	\$1,584,755	\$176,085	\$0		IM	Exempt	
2021	Trunkline	201288	Trunkline Bridge	WESTPLAN	Ottawa	MDOT	US-31	4 Bridges along US-31 Corridor	0.000	Bridge Rehabilitation	Deep overlay (2 bridges), Epoxy overlay (2 Bridges) and other PM work	CON	\$3,508,960	\$778,103	\$0		NH	Exempt	
2022	Trunkline	201289	Trunkline Bridge	WESTPLAN	Ottawa	MDOT	M-104	M-104 Over The Spring Lake Channel (70081-B01)	0.000	Bridge Rehabilitation	Deep Overlay	CON	\$1,350,606	\$299,493	\$0		NH	Exempt	
2018	Trunkline	131778	Trunkline Highway	WESTPLAN	Lake	MDOT	US-10	M-37 in Muskegon County	49.832	Road Capital Preventive Maintenance	HMA Crack Treatment (FPV)	CON	\$11,480	\$2,520	\$0		ST	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2020	Trunkline	200664	Trunkline Road	WESTPLAN	Ottawa	MDOT	M-104	Spring Lake Channel east to Lake	1.407	Road Capital Preventive Maintenance	Milling & One Course Asphalt	CON	\$611,420	\$135,581	\$0		NH	Exempt	
2020	Trunkline	204257	Trunkline Road	WESTPLAN	Ottawa	MDOT	US-31	M-45 north to Comstock Street	5.065	Road Capital Preventive Maintenance	Full Depth Concrete Joint Re	CON	\$1,520,773	\$337,227	\$0		NH	Exempt	
2022	Trunkline	124871	Trunkline Traffic	WESTPLAN	Ottawa	MDOT	US-31	US-31 and M-104 in Grand Haven and Spring Lake	5.855	ITS Applications	ITS devices and communicat	PE	\$327,400	\$72,600	\$0		ST	Exempt	
2019	Trunkline	127478	Trunkline Traffic	WESTPLAN	Ottawa	MDOT	US-31	At Pierce Street, Winans Street and 158th Avenue	1.048	Traffic Safety	Indirect Left Turn Lanes	PE	\$163,700	\$36,300	\$0		CM	Exempt	
2020	Trunkline	127478	Trunkline Traffic	WESTPLAN	Ottawa	MDOT	US-31	At Pierce Street, Winans Street and 158th Avenue	1.048	Traffic Safety	Indirect Left Turn Lanes	CON	\$708,003	\$156,997	\$0		CM	Non-exempt	
2018	Trunkline	200968	Trunkline Traffic	WESTPLAN	Kent	MDOT	Regionwide	US-31	40.820	Traffic Safety	Upgrade freeway delineation	PE	\$1,688	\$188	\$0		HSIP	Exempt	
2018	Trunkline	200968	Trunkline Traffic	WESTPLAN	Kent	MDOT	Regionwide	US-31	40.820	Traffic Safety	Upgrade freeway delineation	CON	\$50,145	\$5,572	\$0		HSIP	Exempt	
2018	Trunkline	201467	Trunkline Traffic	WESTPLAN	Kent	MDOT	I-296 N	Muskegon Area	1.776	Traffic Safety	Long line pavement marking	PE	\$1,125	\$125	\$0		HSIP	Exempt	
2018	Trunkline	201467	Trunkline Traffic	WESTPLAN	Kent	MDOT	I-296 N	Muskegon Area	1.776	Traffic Safety	Long line pavement marking	CON	\$208,187	\$23,132	\$0		HSIP	Exempt	
2018	Trunkline	201471	Trunkline Traffic	WESTPLAN	Kent	MDOT	I-296 N	Muskegon Area	1.170	Traffic Safety	special pavement marking at	PE	\$90	\$10	\$0		HSIP	Exempt	
2018	Trunkline	201471	Trunkline Traffic	WESTPLAN	Kent	MDOT	I-296 N	Muskegon Area	1.170	Traffic Safety	special pavement marking at	CON	\$1,350	\$150	\$0		HSIP	Exempt	
2018	Trunkline	203378	Trunkline Traffic	WESTPLAN	Ottawa	MDOT	US-31 N	US-31 at M-104 interchange	0.095	Operation Improvement	Freeway lighting upgrade	PE	\$20,463	\$4,538	\$0		NH	Exempt	
2019	Trunkline	203378	Trunkline Traffic	WESTPLAN	Ottawa	MDOT	US-31 N	US-31 at M-104 interchange	0.095	Operation Improvement	Freeway lighting upgrade	CON	\$184,163	\$40,838	\$0		NH	Exempt	
MACC TIP and 2040 LRTP Ottawa County Projects																			
Fiscal Year	TIP/LRTP	Job #	GPA Type	MPO	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comment
2018	TIP	201233	S/TIP Line items	MACC	Ottawa	Not Applicable	72nd Ave	M-121 near 72nd Avenue in Ottawa County	0.999	Railroad	widen shoulders on east and west approaches of M-121 to 72nd Avenue	CON	\$63,000	\$7,000	\$0	\$70,000	STRH	Exempt	Widening of shoulders, no lanes added
2018	TIP	201233	S/TIP Line items	MACC	Ottawa	Not Applicable	72nd Ave	M-121 near 72nd Avenue in Ottawa County	0.999	Railroad	widen shoulders on east and west approaches of M-121 to 72nd Avenue	CON	\$9,000	\$1,000	\$0	\$10,000	STRH	Exempt	Widening of shoulders, no lanes added
2018	TIP	201233	S/TIP Line items	MACC	Ottawa	Not Applicable	72nd Ave	M-121 near 72nd Avenue in Ottawa County	0.999	Railroad	widen shoulders on east and west approaches of M-121 to 72nd Avenue	PE	\$18,000	\$2,000	\$0	\$20,000	STRH	Exempt	Widening of shoulders, no lanes added
2018	TIP	200968	Trunkline Traffic	MACC	Kent	MDOT	Regionwide	Regionwide freeways	40.820	Traffic Safety	Upgrade freeway delineation	CON	\$109,566	\$12,174	\$0	\$121,740	HSIP	Exempt	Delineation
2018	TIP	201467	Trunkline Traffic	MACC	Kent	MDOT	I-296 N	Region-wide	1.776	Traffic Safety	Long line pavement marking application	CON	\$308,679	\$34,298	\$0	\$342,977	HSIP	Exempt	
2018	TIP	201471	Trunkline Traffic	MACC	Kent	MDOT	I-296 N	Region-wide	1.170	Traffic Safety	special pavement marking application	CON	\$1,350	\$150	\$0	\$1,500	HSIP	Exempt	
2018	TIP	132045	S/TIP Line items	MACC	Muskegon	MDOT	Muskegon TSC Wide	Muskegon TSC Wide	21.893	Road Capital Preventive Maintenance	HMA Crack Treatment (FPVS)	CON	\$80,442	\$17,658	\$0	\$98,100	ST	Exempt	
2018	TIP	113391	Trunkline Traffic	MACC	Ottawa	MDOT	US-31	At Barry Street	0.227	Traffic Safety	Indirect Left Turn Lane	CON	\$327,400	\$72,600	\$0	\$400,000	CM	Exempt	CMAQ project Left turn lane added at intersection
2018	TIP	200662	S/TIP Line items	MACC	Ottawa	MDOT	I-196	Allegan/Ottawa County Line east to Byron Road	3.960	Road Rehabilitation	Two Course Asphalt Resurfacing	CON	\$4,547,700	\$505,300	\$0	\$5,053,000	IM	Exempt	
2018	TIP	201572	S/TIP Line items	MACC	Ottawa	MDOT	I-196 (BL)	Homestead Drive east to I-196	0.962	Traffic Safety	Intersection Improvements	CON	\$1,235,935	\$274,065	\$0	\$1,510,000	CM	Exempt	CMAQ project Left turn lane added at intersection
2018	TIP	202765	S/TIP Line items	MACC	Ottawa	MDOT	I-196	Byron Road east to 32nd Avenue	6.759	Road Capital Preventive Maintenance	Milling & One Course Asphalt Overlay	CON	\$810,000	\$90,000	\$0	\$900,000	IM	Exempt	
2018	TIP	204722	Trunkline Traffic	MACC	Ottawa	MDOT	US-31	US-31 at Port Sheldon	0.000	Traffic Safety	Install dilemma zone system	CON	\$25,047	\$2,783	\$0	\$27,830	HSIP	Exempt	
2019	TIP	202041	S/TIP Line items	MACC	Ottawa	CSX Transport	72nd Ave	At CSX Transportation in Zeeland Township, Ottawa County	0.000	Railroad	extend crossing surface and relocate warning devices	CON	\$243,000	\$27,000	\$0	\$270,000	STRH	Exempt	
2019	TIP	130728	S/TIP Line items	MACC	Ottawa	Holland	Waverly Rd	16th St. - 48th St.	1.960	Road Rehabilitation	Resurface roadway	CON	\$532,025	\$0	\$547,975	\$1,080,000	STUL	Exempt	
2019	TIP	130693	S/TIP Line items	MACC	Ottawa	MACC	Douglas Ave	MACC Office	0.001	Planning, Research & Design	Local Data Collection	CON	\$15,654	\$0	\$5,596	\$21,250	STUL	Exempt	
2019	TIP	203231	S/TIP Line items	MACC	Ottawa	Macatawa Area Express Transporation Authority	Transit Operations	Areawide	0.000	SP10-State Match urban Agency	Transit operating support and capital needs.	NI	\$1,602,000	\$1,940,000	\$1,560,000	\$5,102,000	5307	Exempt	
2019	TIP	203235	5310	MACC	Ottawa	Macatawa Area Express Transporation Authority	Transit Operations	Areawide	0.000	SP10-State Match urban Agency	Transit operating support	NI	\$198,000	\$14,000	\$143,000	\$355,000	5310	Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2019	TIP	203237	5339	MACC	Ottawa	Macatawa Area Express Transporation Authority	Transit Capital	Areawide	0.000	SP10-State Match urban Agency	Replace Buses	NI	\$144,000	\$36,000	\$0	\$180,000	5339	Exempt	
2019	TIP	106354	Trunkline Roadside Infrastructure Improvement	MACC	Ottawa	MDOT	I-196 BL	At Homestead Drive SE Quadran	0.001	Roadside Facilities - Improve	Resurfacing	CON	\$31,103	\$6,897	\$0	\$38,000	ST	Exempt	
2019	TIP	123859	Trunkline Traffic Operations And Safety	MACC	Ottawa	MDOT	I-196 BL	I-196BL at 112th Ave	0.250	Traffic Safety	Construct indirect left turns	CON	\$562,500	\$62,500	\$0	\$625,000	HSIP	Exempt	Indirect left turns, intersection improvement
2019	TIP	130722	S/TIP Line items	MACC	Ottawa	Ottawa County	Areawide	Ransom St.	0.001	Air Quality Improvement	Replace truck	CON	\$58,000	\$0	\$62,000	\$120,000	CM	Exempt	
2019	TIP	130725	S/TIP Line items	MACC	Ottawa	Ottawa County	Quincy St	120th Ave. - 136th Ave.	1.985	New Facilities	Construct nonmotorized pathway	CON	\$465,600	\$0	\$234,400	\$700,000	CM	Exempt	
2019	TIP	202855		MACC	Ottawa	Zeeland	Washington Ave	Main at Washington	0.228	Roundabout Construction	Construct roundabout	CON	\$600,000	\$350,000	\$1,015,000	\$1,965,000	HSIP	Exempt	Roundabout Con
2019	TIP	130732	S/TIP Line items	MACC	Ottawa	Zeeland	Washington Ave	Franklin St. - City Limits	0.296	Reconstruction	Reconstruct existing roadway	CON	\$860,000	\$0	\$1,240,000	\$2,100,000	STUL	Exempt	This is part of Zeeland's roundabout project, the road will be changing shape, but no new lanes will be added
2019	TIP	120916	S/TIP Line items	MACC	Ottawa	MACC	Areawide	Macatawa Area Express Service Area	0.000	SP10-State Match urban Agency	Bus purchase	NI	\$208,000	\$52,000	\$0	\$260,000	CM	Exempt	
2020	TIP	130712	S/TIP Line items	MACC	Ottawa	Holland	Waverly Rd	16th St. - 48th St.	1.960	Road Rehabilitation	Resurface roadway	CON	\$590,000	\$0	\$0	\$590,000	STUL	Exempt	
2020	TIP	130714	S/TIP Line items	MACC	Ottawa	Holland	16th St	River Ave. - Lane Ave.	1.275	Road Rehabilitation	Resurface roadway	CON	\$331,492	\$0	\$118,508	\$450,000	STUL	Exempt	
2020	TIP	130683	S/TIP Line items	MACC	Ottawa	MACC	Douglas Ave	MACC Office	0.001	Planning, Research & Design	Local data collection	CON	\$15,654	\$0	\$5,596	\$21,250	STUL	Exempt	
2020	TIP	130702	S/TIP Line items	MACC	Ottawa	Macatawa Area Express Transporation Authority	Breenway Dr	MAX Service Area	0.000	1110-Bus Rolling Stock	Replace buses	NI	\$312,000	\$94,250	\$0	\$406,250	CM	Exempt	
2020	TIP	203244	S/TIP Line items	MACC	Ottawa	Macatawa Area Express Transporation Authority	Transit Operating	Areawide	0.000	SP10-State Match urban Agency	Transit operating support and capital needs.	NI	\$1,600,000	\$1,980,000	\$1,620,000	\$5,200,000	5307	Exempt	
2020	TIP	203269	5310	MACC	Ottawa	Macatawa Area Express Transporation Authority	Transit Operations	Areawide	0.000	SP10-State Match urban Agency	Twilight and Night Owl Service	NI	\$205,000	\$15,000	\$145,000	\$365,000	5310	Exempt	
2020	TIP	203282	5339	MACC	Ottawa	Macatawa Area Express Transporation Authority	Transit Capital	Areawide	0.000	SP10-State Match urban Agency	Replace Buses	NI	\$144,000	\$36,000	\$0	\$180,000	5339	Exempt	
2020	TIP	122685	Trunkline Bridge	MACC	Ottawa	MDOT	I-196 BL	over the Black River	0.000	Bridge Rehabilitation	Deep Overlay, Railing Replacement	CON	\$815,145	\$180,756	\$0	\$995,901	NH	Exempt	
2020	TIP	130701	S/TIP Line items	MACC	Ottawa	Ottawa County	Ransom St	Ransom St.	0.001	Contracts	Replace truck	CON	\$58,000	\$0	\$62,000	\$120,000	CM	Exempt	
2020	TIP	130704	S/TIP Line items	MACC	Ottawa	Ottawa County	84th Ave	Gordon St. - Westpark Way	0.409	New Facilities	Construct nonmotorized pathway	CON	\$89,000	\$0	\$96,000	\$185,000	CM	Exempt	
2020	TIP	130717	S/TIP Line items	MACC	Ottawa	Ottawa County	Lakewood Blvd	120th Ave. - 112th Ave.	0.854	Road Rehabilitation	Resurface roadway	CON	\$347,862	\$0	\$152,138	\$500,000	STUL	Exempt	
2025	L RTP			MACC	Ottawa		120th Ave	Riley Street to Quincy Street	1		Reconstruct and widen from 2 to 5 lanes, Intersection improvements					2,750,000		Non-Exempt	
2025	L RTP			MACC	Ottawa		James St	Beeline Road to US 31	0.6		Reconstruct and widen from 3 to 5 lanes, Intersection Improvements					1,320,000		Non-Exempt	
2025	L RTP			MACC	Ottawa		James St	112 th Avenue to Chicago Drive	1.1		Reconstruct and widen from 2 to 5 lanes, Intersection improvements					3,025,000		Non-Exempt	
2025	L RTP			MACC	Ottawa		River Ave	CSX Crossing to 136 th Avenue	0.4		Reconstruct and widen from 5 to 7 lanes, Intersection improvements					1,430,000		Non-Exempt	
2030	L RTP			MACC	Ottawa		96th Ave	Adams Street to Gordon Street	1.5		Reconstruct and widen from 2 to 5 lanes, Intersection improvements					3,390,000		Non-Exempt	
2030	L RTP			MACC	Ottawa		Douglas Ave	River Avenue to 144 th Avenue	1.3		Reconstruct and widen from 4 to 5 lanes					3,300,000		Non-Exempt	

Fiscal Year	Job Type	Job #	GPA Type	MPO/Rural County		Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Budget Amount	State Budget Amount	Local Budget Amount	Total Budget Amount	Fund Source	Air Quality	Air Quality Comments
2035	L RTP			MACC	Ottawa		James St	Butternut Drive to Beeline Road	1		Reconstruct and widen from 3 to 5 lanes					3,500,000		Non-Exempt	
STIP Ottawa County Projects																			
Fiscal Year	Job Type	Job#	GPA Type	MPO	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Fed Estimated Amount	State Estimated Amount	Local Estimated Amount	Total Estimated Amount	Fund Source	Air Quality	Air Quality Comment
2019	Local	129681	Local Road	STATEWID	Ottawa	Ottawa County	Leonard Drive	Linden Drive to 24th Avenue	1.458	Road Rehabilitation	Resurface	CON	\$0	\$69,558	\$0	\$69,558	EDD	Exempt	
2019	Local	129681	Local Road	STATEWID	Ottawa	Ottawa County	Leonard Drive	Linden Drive to 24th Avenue	1.458	Road Rehabilitation	Resurface	CON	\$192,592	\$0	\$892,850	\$1,085,442	STL	Exempt	
2020	Local	129687	Local Road	STATEWID	Ottawa	Ottawa County	Adams Street	48th Avenue to 24th Avenue	3.022	Road Rehabilitation	Resurface	CON	\$0	\$69,558	\$0	\$69,558	EDD	Exempt	
2020	Local	129687	Local Road	STATEWID	Ottawa	Ottawa County	Adams Street	48th Avenue to 24th Avenue	3.022	Road Rehabilitation	Resurface	CON	\$492,592	\$0	\$892,850	\$1,385,442	STL	Exempt	