



Amy O'Leary
Executive Director, SEMCOG

DATE: December 5, 2025
TO: Executive Committee
SUBJECT: An Amendment to the 2050 Vision Regional Transportation Plan and the FY 2026-2029 Transportation Improvement Program (TIP)

Summary of Action Requested

The Transportation Coordinating Council is requested to recommend Executive Committee approval of 2050 RTP Amendment25:5 and FY 26-29 TIP Amendment25:5 (Full).

Background

The [Transportation Improvement Program \(TIP\)](#) is a list of specific projects which implement the policies of the [2050 Regional Transportation Plan \(RTP\)](#), a long-range vision and strategy that directs investment in the regional transportation system. TIP projects are recommended by cities, villages, county road agencies, transit providers, and the Michigan Department of Transportation (MDOT) over a four-year period. SEMCOG's Executive Committee makes the final approval of the TIP project list.

The Vision 2050 RTP amendment process allows for updating the adopted plan's project list to address shifting transportation needs while maintaining regional priorities. RTP amendments may include additions, removals, and modifications that impact regional transportation beyond the 2026-2029 TIP. The RTP project list may be amended five times each year, following the same rules and timelines of the TIP amendment schedule.

The TIP is amended five times each year. Two categories of projects may undergo a TIP amendment, Line Item projects and General Program Accounts (GPAs) as detailed below:

- Line Item projects are individual jobs that cost more than \$10 million dollars and/or require supplemental review(s).
- GPAs are groupings of similar routine TIP projects.
 - Projects of this nature are programmed within a GPA by jurisdiction and type, such as Local Road, Trunkline Bridge, or Transit Capital.
 - GPAs are permitted in Federal regulation 23 CFR 450.324 (f) under 23 CFR 771.117(c) and (d) and/or 40 CFR part 93.

There are two different TIP Amendment designations as detailed below:

- Amendment periods designated "(Full)" allow:
 - Major changes to be made to Line-Item projects for any reason necessary (cost, scope, etc.) and;

An Amendment to the 2050 Vision Regional Transportation Plan and the FY 2026-2029 Transportation Improvement Program (TIP)

Page 2

- Budget adjustments to GPAs, as needed, to increase total funding available for projects programmed within them.
 - When the total cost of all the projects within a GPA equals or exceeds 125% of the GPA's current federally approved limit, an amendment is required to reflect this change in size.
 - GPAs undergoing amendment are programmed to at least 115% of the approved baseline.
- Amendment periods designated "(Cost-Only/GPA)" are limited to:
 - Line-item projects for cost changes of 25% or more, and;
 - Budget adjustments to GPAs, as needed.

FY 26-29 TIP Amendment 25:5 (Full)

Page 1 and 2 of the [Amendment 25:5 list](#) provides details of 34 TIP phases to be revised:

- 23 Additions
- 6 Deletions
- 3 Cost changes
- 2 Scope changes
- 10 GPAs

This amendment, as proposed, primarily pertains to changes in projects related to bridge and pavement preservation and safety enhancements. 10 GPAs require amendment as shown in the attached list. Note that there is 1 line item (JN 126491) including a capacity change and the project is being deleted from the TIP. All TIP revisions will be incorporated in the RTP.

VISION 2050 RTP Amendment 25:5

Page 3 of the [Amendment 25:5 list](#) provides details of 3 RTP projects to be revised:

- 2 Additions
- 1 Deletion

This amendment, as proposed, primarily includes the addition of two phases of a roundabout project and the deletion of a widening project. See attached list for more information.

Amendment evaluations

The amendment requires all proposed projects undergo a series of evaluations – identification of financial resources, air quality conformity analysis, environmental justice analysis, environmental sensitivity review, assessment for consistency with the regional Intelligent Transportation System (ITS) architecture, and a public comment process. The results of these evaluations are summarized below:

- The fiscal constraint analysis indicates the RTP and TIP remain fiscally constrained.

An Amendment to the 2050 Vision Regional Transportation Plan and the FY 2026-2029 Transportation Improvement Program (TIP)

Page 3

- An updated [air quality conformity analysis](#) was required for this amendment since one or more of the proposed projects were designated as *not exempt* from the requirement to determine conformity by the Michigan Transportation Conformity Interagency Workgroup (MITC-IAWG).
- The projects are consistent with the regional [Congestion Management Process](#).

The public comment period for the amendment officially began on November 13, 2025 and will end with Executive Committee action on September 26, 2025.

Actions requested

The Transportation Coordinating Council is requested to recommend Executive Committee approval of 2050 RTP Amendment25:5 and FY 26-29 TIP Amendment25:5 (Full).

An Amendment to the 2050 Vision Regional Transportation Plan and the FY 2026-2029 Transportation Improvement Program (TIP)

Page 4

Executive Committee Resolution

to Amend the FY 2026-2029 Transportation Improvement Program and 2050 Regional Transportation Plan for Southeast Michigan

WHEREAS, the Transportation Improvement Program (TIP) supports this vision:

All the people of Southeast Michigan benefit from a connected, thriving region of small towns, dynamic urban centers, active waterfronts, diverse neighborhoods, premiere educational institutions, and abundant agricultural, recreational, and natural areas.

WHEREAS, SEMCOG is responsible for developing a long-range regional transportation plan and a Transportation Improvement Program that funds projects to implement the plan;

WHEREAS, the 2050 RTP was developed pursuant to the transportation planning provisions of Title 23 of United States Code (USC) Section 134 and Title 49 USC Section 5303;

WHEREAS, the 2050 RTP requires periodic updates to include projects not fully developed at the time the 2050 RTP was originally adopted, to take advantage of new funding and reflect changing priorities;

WHEREAS, SEMCOG is required to develop amendments to the FY 2026-2029 TIP pursuant to Title 23 of the United States Code (USC) Section 134;

WHEREAS, the 2050 RTP and FY 2026-2029 TIP were analyzed in accordance with 40 CFR 51 for air quality conformity and found not to exceed present and future emission budgets in all analysis years;

WHEREAS, the amendments to the FY 2026-2029 TIP are consistent with the 2050 RTP policies, were financially constrained to identified funding resources, and the amendment process actively encouraged public and agency review and comment;

WHEREAS, SEMCOG certifies that all projects funded in total or in part with State Transportation Economic Development Fund (TEDF) Category C funds are eligible for funding under PA 231 of 1987, as amended, and meet the goals and objectives of the program;

WHEREAS, General Program Accounts (GPA) are used to group smaller, routine transportation projects together in the TIP;

WHEREAS, when the total cost of projects programmed in a GPA equals or exceeds 115% of the GPA's currently authorized amount, that GPA needs to be amended;

WHEREAS, SEMCOG has determined that the amendment to the 2050 RTP and the FY 2026-2029 TIP conform to the State Implementation Plan for Air Quality as required by provisions of Title 40 Code of Federal Regulations (CFR) 51 and Title 23 CFR 450;

An Amendment to the 2050 Vision Regional Transportation Plan and the FY 2026-2029 Transportation Improvement Program (TIP)

Page 5

NOW THEREFORE BE IT RESOLVED, this 5th day of December, 2025 THAT the Executive Committee of SEMCOG, the Southeast Michigan Council of Governments, approves the amendment of projects to the 2050 RTP and FY 2026-2029 TIP;

AND BE IT FURTHER RESOLVED THAT the Executive Committee of SEMCOG approves the amendment of the GPAs in the FY2026-2029 TIP;

AND BE IT FURTHER RESOLVED THAT the Executive Committee of SEMCOG submits this amendment to the 2050 RTP and the FY 2026-2029 TIP to the Michigan Department of Transportation, as designee for the Governor's Office of the State of Michigan, for review and transmittal to the Michigan Department of Environment, Great Lakes, and Energy; Michigan Department of Natural Resources; Federal Highway Administration; Federal Transit Administration; and U.S. Environmental Protection Agency.

ATTEST: _____
Committee Clerk

DATE: December 5, 2025

SEMCOG FY 26-29 TIP Amendment 25:5 (Full)

Project List

Line Item	Fiscal Year	Job no.	Amendment #	Job Type	Phase	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Advance Construct	AC Budget	ACC Years	Federal Budget	Federal Fund Source	State Budget	Local Budget	Total Phase Cost	Amendment Type	Air Quality	RTP Goal
2026																							
1	2026	218987	2	Local	CON	Macomb	Eastpointe	E 9 mile Rd	9 Mile Road from Tuscany Street to I-04	0.99	Reconstruction	Reconstruction with Road Diet	No			\$4,380,000	EAR	\$0	\$1,095,000	\$5,475,000	Scope Change	Non-exempt	1
2	2026	220553	2	Local	CON	Macomb	Macomb County	21 Mile Rd	21 Mile Road Str #6206 over Salt Slang Gloede Drain, Macomb County	0	Bridge Replacement	Bridge Replacement	No			\$2,560,000	BRT	\$0	\$2,560,000	\$5,120,000	Delete	Exempt	1
3	2026	219058	4	Local	CON	Macomb	Roseville	Little Mack Ave	Little Mack Avenue from Gratiot Ave to Masonic Blvd	0.38	Road Rehabilitation	Road Rehabilitation	No			\$818,500	STUL	\$0	\$181,500	\$1,000,000	Scope Change	Non-exempt	1
4	2026	218258	5	Local	CON	Washtenaw	Washtenaw County	Sharon Valley Rd	Str #11038, over the Raisin River, Washtenaw County	0	Bridge Replacement	Bridge Replacement	No			\$2,416,800	BFPO	\$0	\$604,200	\$3,021,000	Add	Exempt	1
5	2026	215199	7	Local	CON	Livingston	Livingston County	Whitmore Lake Rd	at Winans Lake Road	1.084	Traffic Safety	Roundabout construction	No			\$1,000,000	CPMG	\$0	\$1,200,000	\$2,200,000	Cost	Exempt	2
6	2026	223653	1	Local	CON	Oakland	Oakland County	Emburke St	Str# 14039 over Clinton River, Oakland County	0	Bridge Miscellaneous	Bridge Removal	No			\$0	MCS	\$678,900	\$226,300	\$905,200	Cost	Exempt	1
2027																							
7	2027	223735	0	Local	CON	Oakland	Novi	Taft Rd	Taft Road and 11 Mile	1.196	Traffic Safety	Install Roundabout at Taft Rd and 11 Mile Road intersection	No			\$1,400,000	CMG	\$0	\$0	\$1,400,000	Add	Exempt	2
8	2027	223653	0	Local	CON	Oakland	Oakland County	Emburke St	Structure 14039 over Clinton River	0	Bridge Miscellaneous	Bridge Removal	No			\$420,750	BFPO	\$0	\$140,250	\$561,000	Add	Exempt	1
9	2027	223666	0	Local	CON	Oakland	Oakland County	Edgeorge Dr	Structure 14038 over Clinton River	0	Bridge Replacement	Bridge Replacement	No			\$2,109,750	BFPO	\$0	\$703,250	\$2,813,000	Add	Exempt	1
10	2027	223671	0	Local	CON	Oakland	Oakland County	Franklin Rd	Structure 8146 over Rouge River	0	Bridge Replacement	Bridge Replacement	No			\$2,416,500	BFP	\$0	\$805,500	\$3,222,000	Add	Exempt	1
11	2027	222733	1	Local	CON	St. Clair	St. Clair	Clinton Ave	Clinton Ave- 3rd Street to 6th Street	0.242	Reconstruction	Concrete Reconstruction	No			\$476,000	STUL	\$0	\$199,000	\$675,000	Add	Exempt	1
12	2027	223663	0	Local	CON	St. Clair	St. Clair County	Goodells Rd	Structure 10242 over unnamed creek	0	Bridge Replacement	Bridge Replacement	No			\$1,513,800	BFPO	\$0	\$168,200	\$1,682,000	Add	Exempt	1
13	2027	223665	0	Local	CON	St. Clair	St. Clair County	Kitchen Rd	Structure 10234 over unnamed creek	0	Bridge Replacement	Bridge Replacement	No			\$1,036,800	BFPO	\$0	\$115,200	\$1,152,000	Add	Exempt	1
14	2027	223737	0	Local	CON	Washtenaw	Ann Arbor	Pontiac Trl	Pontiac Trail Road and Dhu Varren	0.535	Traffic Safety	Install roundabout at Pontiac Trail and Dhu Varren Road	No			\$1,600,000	CMG	\$0	\$0	\$1,600,000	Add	Exempt	2
15	2027	210971	14	Trunkline	ROW	Washtenaw	MDOT	US-23BR	M-14 EB at Barton Drive	0.75	Traffic Safety	Provide free-flow on-ramp, improve the Barton Dr. off-ramp.	No			\$572,950	CM	\$127,050	\$0	\$700,000	Delete	Exempt	2
16	2027	223621	0	Local	CON	Washtenaw	Washtenaw County	Sibley Rd	Structure 13915 over Letts Creek	0	Bridge Replacement	Bridge Replacement	No			\$1,095,200	BFPO	\$0	\$273,800	\$1,369,000	Add	Exempt	1
17	2027	223654	0	Local	CON	Wayne	Detroit	Sixth Street	Structure 12464 over Jefferson Avenue	0	Bridge Miscellaneous	Bridge Removal	No			\$1,425,000	BFPO	\$0	\$75,000	\$1,500,000	Add	Exempt	1
18	2027	224026	0	Trunkline	CON	Wayne	MDOT	I-94 W	WB I-94 from west of Monroe Blvd to east of Clippert St	0.51	Operation Improvements	New Noise Wall	No			\$7,284,650	NH	\$1,615,350	\$0	\$8,900,000	Add	Exempt	4
19	2027	224519	0	Trunkline	CON	Wayne	MDOT	M-10	under Canfield Ave pedestrian bridge	0	Bridge Replacement	Pedestrian Bridge Replacement	No			\$5,064,028	CRU	\$1,122,934	\$0	\$6,186,962	Add	Exempt	1, 2, 3
20	2027	224671	0	Trunkline	CON	Wayne	MDOT	M-10	under Merrick Avenue Pedestrian Bridge	0	Bridge Replacement	Pedestrian Bridge Replacement	No			\$8,046,093	IM	\$894,010	\$0	\$8,940,103	Add	Exempt	1, 2, 3
21	2027	223668	0	Local	CON	Wayne	Wayne County	W Jefferson Ave	Structure 12208 over Monguagon Creek	0	Bridge Replacement	Bridge Replacement	No			\$2,674,720	BFP	\$0	\$989,280	\$3,664,000	Add	Exempt	1
22	2027	223739	0	Local	CON	Wayne	Wayne County	S Sheldon Rd	Sheldon Road and Palmer Road	0.481	Traffic Safety	Install roundabout Sheldon Road and Palmer Road	No			\$2,673,610	CMG	\$0	\$0	\$2,673,610	Add	Exempt	2
2028																							
23	2028	126491	3	Trunkline	CON	Oakland	MDOT	I-75	from south of 12 Mile to north of 13 Mile	1.055	Reconstruction	Reconstruct and widen	No			\$129,855,025	NH	\$28,794,975	\$0	\$158,650,000	Delete	Exempt	1, 4
24	2028	223767	0	Local	CON	Oakland	Troy	Coolidge Rd	Coolidge Road and Square Lake Road	0.581	Traffic Safety	Coolidge Road and Square Lake Road Roundabout	No			\$1,440,000	CMG	\$0	\$0	\$1,440,000	Add	Exempt	2
25	2028	223766	0	Local	CON	St. Clair	St. Clair County	Wadham's Rd	Wadham's Rd and North Rd Roundabout	0.635	Traffic Safety	Construct Roundabout at Wadham's Road and North Road	No			\$1,500,000	CMG	\$0	\$0	\$1,500,000	Add	Exempt	2
26	2028	223774	0	Local	CON	Wayne	Northville	7 Mile Rd	Seven Mile Road and Hines Drive	0.215	Traffic Safety	Seven Mile Road and Hines Drive Roundabout	No			\$2,185,665	CMG	\$0	\$0	\$2,185,665	Add	Exempt	2
27	2028	130126	20	Trunkline	CON	Macomb	MDOT	I-94	over ten Structures in Macomb County	0	Bridge CPM	Scour Protection, Epoxy Overlays, Beam End Repairs	No			\$8,312,526	BFPI	\$923,614	\$0	\$9,236,140	Cost	Exempt	1

SEMCOG FY 26-29 TIP Amendment 25:5 (Full)

Project List

Line Item	Fiscal Year	Job no.	Amendment #	Job Type	Phase	County	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Advance Construct	AC Budget	ACC Years	Federal Budget	Federal Fund Source	State Budget	Local Budget	Total Phase Cost	Amendment Type	Air Quality	RTP Goal
2029																							
28	2029	224961	0	Local	CON	Macomb	Macomb County	Schoenherr Rd	Schoenherr Road 25 Mile Road to 26 Mile Road	1.057	Reconstruction	Reconstruction and add center left turn lane	No			\$3,294,463	ST	\$3,293,333	\$9,292,204	\$15,880,000	Add	Non-exempt	1
29	2029	205511	11	Trunkline	CON	Monroe	MDOT	US-23	3 Strucutes on US-23	0	Bridge Replacement	Bridge Replacement	No			\$15,335,590	NH	\$3,400,623	\$0	\$18,736,213	Delete	Exempt	1
30	2029	223776	0	Local	CON	Oakland	Auburn Hills	N Squirrel Rd	Squirrel Road at Tienken Road	0.93	Traffic Safety	Squirrel Road and Tienken Road Roundabout	No			\$2,500,000	CMG	\$0	\$0	\$2,500,000	Add	Exempt	2
31	2029	223778	0	Local	CON	Oakland	Oakland County	Richardson Rd	Richardson Road at Union Lake Road	0.761	Traffic Safety	Install roundabout at Richardson Road and Union Lake Road	No			\$3,100,000	CMG	\$0	\$0	\$3,100,000	Add	Exempt	2
32	2029	223781	0	Local	CON	Oakland	Troy	Coolidge Rd	Coolidge and South Blvd Roundabout	0.59	Traffic Safety	Coolidge and South Blvd Roundabout Installation	No			\$1,080,000	CMG	\$0	\$0	\$1,080,000	Add	Exempt	2
33	2029	201015	10	Trunkline	CON	Washtenaw	MDOT	I-94	Washtenaw/Jackson County Line to Freer	6.542	Road Rehabilitation	Two course mill & resurface	No			\$26,910,511	IM	\$2,990,057	\$0	\$29,900,568	Delete	Exempt	1
34	2029	214114	4	Trunkline	CON	Wayne,Oakland	MDOT	M-1	McNichols to S of 8 Mile Rd	2.027	Reconstruction	Reconstruction	No			\$72,273,551	NH	\$14,075,325	\$1,951,126	\$88,300,000	Delete	Exempt	1

Phase Abbreviations:

CON = Construction

PE = Preliminary Engineering

EPE = Early Preliminary Engineering

ROW = Right of Way

UTL = Utility

These seven core policies, found on page 2 of the Vision 2050 RTP, have been designed to create a safe, equitable, and

1. **Preserve** - Use asset management practices, technology, and cost-effective transportation solutions to preserve infrastructure.

2. **Safety** - Increase safety for all travelers, especially for the most vulnerable road users.

3. **Equity** - Ensure equitable access regardless of age, race, gender, ethnicity, national origin, physical or cognitive ability, or

4. **Shared Prosperity** - Promote a thriving regional economy by facilitating seamless movement of goods, efficient trade

connections, enhancing labor mobility, and fostering tourism and local placemaking.

5. **Resilience** - Integrate infrastructure coordination, equitable stormwater management, and comprehensive resiliency planning

into the transportation system to achieve greater public health and environmental benefits.

6. **Education** - Educate and foster collaboration among local governments, transportation agencies, utility providers, and residents

to enhance knowledge about and efficiency of the transportation system.

7. **Funding** - Increase funding and broaden local options to ensure adequate resources and coordination for meeting regional

transportation needs to achieve fiscal sustainability.

Fund Source Abbreviations:

5307	CTF Urbanized Formula	Carbon Reduction Program > 200K IIJA	NHFI	National Highway Freight Intersate
5310	CTF Elderly And Disabled	Comprehensive Transportation Fund	NHFP	National Highway Freight Program
5311	CTF Non Urban Formula	Federal/Congressional Spending Item (Earmark)	NHG	National Highway Safety100% Federal
5337	CTF State Of Good Repair	Econ Development Category A	OP11	5311 Rural Areas Operating Assistance
5339	CTF Bus and Bus Facilities	Econ Development Category C	PRO	PROTECT Program
BFP	Bridge Formula Program	Econ Development Category D	ST	Surface Transportation Any Area
BFPI	Bridge Formula Program on the Interstate	Econ Development Category F	STG	Surface Trans Safety 100% Fed For ST-Items
BFPO	Bridge Formula Program Off-System	Earmarks Re-purposed	STL	Surface Transportation Rural
BHT	Bridge Rehab Surface Transportation	High Risk Rural Roads HSIP	STPF	STP Flex for the Local Program
BO	Bridge Not Classified Off System	Highway Safety Improvement	SPR	Surface Transportation Program- Rural
BOI	Bridge Off Interstate	Interstate Maintenance No Added Lanes	STU	Surface Trans Urban Areas > 200K Pop
BRT	Bridge Replacement Surface Transportation	INFRA Grants	STUL	Surface Trans Urban Areas < 200K Pop Local
CM	Congestion Mitigation Air Quality	Local Bridge Bundling Initiative	SUG	Surface Trans Safety 100% Fed For STU-Items
CMG	Congestion Mitigation 100% Federal	Michigan Funds Michigan Betterment	TA	Transportation Alternatives Program Flex
CPM	CMAQ Projects To Reduce PM 2.5 Emissions	Michigan Non-Motorized Program Set-Aside	TAU	Transportation Alternatives Urban Areas > 200K Pop
CPMG	CMAQ Reduction Of PM 2.5 Emissions 100% Fed National Highway System		VRU	Vulnerable Road Users

DRAFT 26/29 TIP Amendment 25-5 GPAs			
FY	Type	GPA Name	Previously Approved
2026	Multi-Modal	Transit Capital	\$134,951,644
			\$162,617,683
2026	Local	Livability & Sustainability	\$29,476,840
			\$35,494,928
2026	Trunkline	Livability & Sustainability	\$1,078,520
			\$2,874,476
2027	Local	Livability & Sustainability	\$10,035,220
			\$11,795,040
2027	Local	Traffic Operations & Safety	\$28,402,384
			\$41,816,773
2027	Trunkline	Road	\$14,925,537
			\$24,730,538
2028	Local	Livability & Sustainability	\$11,315,372
			\$14,420,131
2028	Local	Traffic Operations & Safety	\$16,418,628
			\$23,918,628
2028	Trunkline	Road	\$6,550,209
			\$24,030,211
2029	Local	Traffic Operations & Safety	\$19,215,141
			\$24,765,141

SEMCOG 2050 RTP Amendment 25:5
Project List

Line Item	Fiscal Year	Job no.	Job Type	Phase	County	Responsible Agency	Project Name	Limits	Length	Primary work Type	Project Description	Federal Budget	Amendment Type	Air Quality	RTP Goal
1	2031-2040	50RTP-037	Local	CON	Oakland	Oakland County	Pontiac Trail	Pontiac Trail from Decker to Welch	1.13	Capacity	Widen from three to five lanes	\$ 8,141,344	Delete	Exempt	1, 4
2	2031-2040	50RTP-057	Local	ROW	Oakland	Oakland County	Adams Road	Hamlin Road to Walton Blvd	2.22	Reconstruction	Reconfiguration from two to three lanes with roundabouts at Butler Rd, Avon Rd, and Meadowbrook Rd.	\$ 5,000,000	Add	Exempt	2
3	2031-2040	50RTP-057	Local	CON	Oakland	Oakland County	Adams Road	Hamlin Road to Walton Blvd	2.22	Reconstruction	Reconfiguration from two to three lanes with roundabouts at Butler Rd, Avon Rd, and Meadowbrook Rd.	\$ 50,000,000	Add	Non-Exempt	2

Phase Abbreviations: CON = Construction PE = Preliminary Engineering

EPE = Early Preliminary Engineering

ROW = Right of Way

UTL = Utility

These seven core policies, found on page 2 of the Vision 2050 RTP, have been designed to create a safe, equitable, and resilient transportation system:

1. **Preserve** - Use asset management practices, technology, and cost-effective transportation solutions to preserve infrastructure.
2. **Safety** - Increase safety for all travelers, especially for the most vulnerable road users.
3. **Equity** - Ensure equitable access regardless of age, race, gender, ethnicity, national origin, physical or cognitive ability, or income.
4. **Shared Prosperity** - Promote a thriving regional economy by facilitating seamless movement of goods, efficient trade connections, enhancing labor mobility, and fostering tourism and local placemaking.
5. **Resilience** - Integrate infrastructure coordination, equitable stormwater management, and comprehensive resiliency planning into the transportation system to achieve greater public health and environmental benefits.
6. **Education** - Educate and foster collaboration among local governments, transportation agencies, utility providers, and residents to enhance knowledge about and efficiency of the transportation system.
7. **Funding** - Increase funding and broaden local options to ensure adequate resources and coordination for meeting regional transportation needs to achieve fiscal sustainability.

Ozone and Fine Particulate Matter (PM_{2.5}) Conformity Analysis

*For 2025 Fall (25-5) Amendment of SEMCOG's FY 2026-FY 2029
Transportation Improvement Program and 2050 Regional
Transportation Plan*

December 10, 2025

Prepared by the
Southeast Michigan Council of Governments (SEMCOG)
1001 Woodward Avenue, Suite 1400
Detroit, MI 48226
(313) 961-4266

Table of Contents

Introduction	5
1. MOVES Model Run Specifications	6
2. Results of Transportation Conformity Analysis	6
A. 24-Hour Fine Particulate Matter (PM _{2.5}).....	6
B. Ozone.....	7
3. Projects Included in the Conformity Analysis	8
4. Coordination With Interagency Workgroup	8
A. Coordination Process	8
B. MITC-IAWG Comments and Responses.....	8
5. Description of Public Participation Process	8
A. Public Involvement.....	8
B. Public Comments and Responses	8
6. Formal MPO Action Supporting the Conformity Determination	8
7. Key Modeling Assumptions and Local Inputs for SEMCOG Area.....	8
A. Description of Local Travel Data Inputs	8
1) Demographic Data.....	8
2) SEMCOG's Travel Demand Forecasting Model (TDFM)	10
3) Mapping of Road Types between TDFM and MOVES	10
5) Hourly VMT Fractions	14
6) Road Type Distribution.....	16
7) Average Speed Distributions	17
B. Description of Local Vehicle Data Inputs	17
1) Vehicle Population.....	18
2) Vehicle Age Distribution	19
3) Alternate Vehicle and Fuel Technology (AVFT)	19
C. Local Temperature Used for PM _{2.5} and Ozone	20

List of Tables:

Table 1: Results of Daily PM2.5 Conformity Analysis -Budget Emissions Test	7
Table 2: Results of 8-Hour Ozone Conformity Analysis -Budget Emissions Test.....	7
Table 3: Mapping of TDFM Functional Class and Area Type to MOVES Road Type.....	11
Table 4: HPMS Normalization Factors	12
Table 5: VMT Distribution Factors by HPMS Vehicle Type	12
Table 6: Monthly and Weekend Adjustment Factors	13
Table 7: Weekday Hourly Fractions for Restricted Road Types	14
Table 8: Weekday Hourly Fractions for Unrestricted Road Types.....	15
Table 9: Weekend Hourly Fractions for Restricted/Unrestricted Road Types	16
Table 10: Road Type Distribution Factors	17
Table 11: Mapping between MOVES Vehicle Types and Michigan DOS Body Styles	18
Table 12 Regional Vehicle Population Growth Factors	19
Table 13: Mapping between HPMS Vehicle Types and Michigan DOS Body Styles	19
Table 14: Mapping between MOVES Fuel Type and DOS Fuel Code	20
Table 15: Monthly Average Min/Max Temperatures for PM _{2.5}	20

Appendices:

Appendix A: Projects Included in Conformity Analysis	A-1
Appendix B: Summary of the MITC-IAWG Conference Call	B-1

Introduction

The federal Clean Air Act requires that federally funded highway and transit projects contained in regional long-range transportation plans (RTP) and Transportation Improvement Programs (TIP) be consistent with the air quality goals established in state air quality implementation plans (SIP). The process for demonstrating this consistency is called Air Quality Conformity. The purpose of Conformity is to ensure that projects in the plan will not cause new air quality violations, worsen any existing violations, or delay timely attainment of National Ambient Air Quality Standards (NAAQS).

The U.S. Environmental Protection Agency (EPA) has established NAAQS for [six criteria air pollutants](#): carbon monoxide, lead, ground-level ozone, nitrogen dioxide, sulfur dioxide, and particulate matter. EPA designates an area as either “attainment” or “nonattainment” for each of these pollutants based on whether local air monitoring data shows it is meeting or not meeting these standards. Areas that were initially designated as “nonattainment” for a particular standard but later attain that standard are termed “maintenance” areas.

Pollutants Analyzed for Transportation Conformity in Southeast Michigan

Air quality transportation conformity analysis is required for the entire seven-county region of southeast Michigan due to its designated status of “maintenance” for particulate matter and ozone. Below is a summary of southeast Michigan’s [current air quality status](#) for each of these two pollutants.

- Fine Particulate Matter (PM_{2.5}): The entire seven-county region was originally designated nonattainment for both the 1997 annual (15 $\mu\text{g}/\text{m}^3$) and 2006 24-hour (35 $\mu\text{g}/\text{m}^3$) PM_{2.5} standards. However, since the implementation of Michigan’s State Implementation Plan (SIP) for this pollutant, levels have declined significantly, and all air monitors have been measuring levels well below the standards since 2009. Consequently, the U.S. EPA has re-designated the region as a “maintenance area” for these two standards in 2013. In 2015, southeast Michigan was designated as “attainment” for the tougher 2012 annual standard (12 $\mu\text{g}/\text{m}^3$) and the 1997 annual standard was revoked by the EPA in 2016. Thus, conformity analysis for this pollutant is only required for the 24-hour standard for the region.
- Ozone: The entire region was originally designated nonattainment for the 1997 ozone NAAQS of 0.08 ppm. Following successful implementation of Michigan’s SIP for this pollutant, the region was re-designated as “maintenance” in 2009. In 2012, Southeast Michigan was designated as “attainment” for the 2008 ozone NAAQS of 0.075 ppm. In 2018, the entire seven-county region was designated nonattainment for the new stricter 2015 ozone NAAQS of 0.070 ppm by the EPA. However, on May 19, 2023, the EPA redesignated the region to “attainment/maintenance area” for the 2015 ozone NAAQS. At the same time, the EPA also approved the 2025 and 2035 VOC and NOx motor vehicle emissions budgets included in Michigan’s plan for maintaining the 2015 ozone NAAQS through 2035 in the region. Thus, conformity analysis for this pollutant is required for the region.

Overview of Conformity Analysis Process

To analyze conformity, emissions generated by all vehicles on Southeast Michigan's roadway system are estimated using a complex set of computer models. The models estimate the expected change in these emissions due to the combination of:

- Anticipated growth in the region, and
- The implementation of regionally significant transportation projects that either increase or decrease roadway capacity (e.g., building of new roads, adding or reducing the number of traffic lanes on existing roads). The impact of major transit projects is also included.

This report provides the results of SEMCOG's air quality conformity analysis for SEMCOG's 2050 Regional Transportation Plan (RTP) with the adoption of FY26-29 Transportation Improvement Plan (TIP), as well as detailed documentation on the modeling process used to conduct this analysis.

1. MOVES Model Run Specifications

EPA's MOVES version MOVES4.0.1 was used to perform this transportation conformity analysis. MOVES' County level run was utilized, and Wayne County was chosen to represent the fuel characteristics used in all seven SEMCOG counties (Livingston, Macomb, Monroe, Oakland, St. Clair, Washtenaw, and Wayne counties).

These seven counties comprise Southeast Michigan's maintenance area for both the 1997 ozone National Air Ambient Quality Standard (NAAQS) and the 2015 ozone NAAQS. As ozone conformity analysis involves generating emissions for a high-ozone summer weekday, only weekday emissions were specified in MOVES. The simulated ozone meteorological data was entered into the month of July to represent the typical summer day.

These seven counties also reflect the maintenance area for the 2006 24-hour PM_{2.5} NAAQS. MOVES runs for this pollutant specify the weekdays of the three winter months: December, January and February since previous monitoring data has shown PM_{2.5} emissions are highest during these months.

Although Wayne County was chosen to represent the whole region geographically in MOVES runs, all local inputs were developed to represent the transportation activities in all seven SEMCOG counties. More information on the development of these local inputs is provided in Section 7.

2. Results of Transportation Conformity Analysis

A. 24-Hour Fine Particulate Matter (PM_{2.5})

Table 1 shows the results of the 24-hour fine particulate matter (PM_{2.5}) conformity analysis for the Southeast Michigan attainment/maintenance area. This area includes the entire seven-county SEMCOG region. In accordance with EPA conformity guidance on the 24-hour PM_{2.5} standard, the analysis uses daily emissions inventories for the season in which most 24-hour PM_{2.5} violations occur. Research by the Michigan Environment, Great Lakes, and Energy (EGLE) and SEMCOG's Air Quality Study (SEMAQS) group found that PM_{2.5} concentrations in Southeast Michigan tend to be highest during the winter season. Thus, vehicle emissions for an average winter day are used for this conformity analysis.

On-road mobile source emission budgets for the 24-hour standard were approved by the EPA in 2013, when the region was re-designated as an attainment/maintenance area. Conformity

is demonstrated if forecasted 24-hour PM_{2.5} and nitrogen oxide (NO_x) emissions for specific future years do not exceed these budgets. The data in Table 1 show that forecasted emissions of both PM_{2.5} and NO_x are well below the established budgets for all analysis years. Thus, conformity is demonstrated.

Table 1: Results of Daily PM2.5 Conformity Analysis -Budget Emissions Test

Analysis Year	Emissions (Tons per winter weekday)		Regional Winter Weekday VMT (millions)
	Primary PM _{2.5}	NO _x	
Conformity Budget	16	365	NA
2025	2.84	62.04	121.68
2030	2.34	39.40	123.92
2035	2.10	26.24	125.88
2040	1.99	21.32	127.18
2050	1.97	19.35	128.97

B. Ozone

Table 2 shows the results of the ozone conformity analysis for SEMCOG's 2015 ozone "attainment/maintenance" area. This area includes the entire seven-county SEMCOG region. Conformity is demonstrated if forecasted emissions for specific future years do not exceed the EPA-approved mobile source emission budgets set forth in Michigan's State Implementation Plan (SIP) for maintaining the 2015 ozone NAAQS through 2035 in the region.

The data in Table 2 show that forecasted emissions in the SEMCOG region for the two pollutants causing ozone formation - volatile organic compounds (VOC) and nitrogen oxides (NO_x) - are below the approved mobile source emissions budgets of 2015 ozone for all analysis years. Thus, conformity is demonstrated.

Table 2: Results of 8-Hour Ozone Conformity Analysis -Budget Emissions Test

Analysis Year	Emissions (Tons per summer weekday)		Regional Summer Weekday VMT (millions)
	VOC	NO _x	
Conformity Budget - 2025 Interim Year	47.86	104.35	NA
2025	41.50	61.90	145.64
2030	32.26	38.62	148.42
Conformity Budget -2035 Maintenance Year	44.67	102.41	NA
2035	27.85	24.31	150.71
2040	25.01	18.58	152.34
2050	21.51	15.26	154.36

3. Projects Included in the Conformity Analysis

This analysis included all capacity-related projects proposed for 2025 Fall amendment of SEMCOG's FY26-29 TIP, plus those already in SEMCOG's 2050 RTP. A complete list of the projects included in this analysis can be found in Appendix A.

4. Coordination With Interagency Workgroup

A. Coordination Process

On October 9, 2025, the Michigan Transportation Conformity Interagency Workgroup (MITC-IAWG) held a conference call to review proposed projects of the 2025 Fall amendment of SEMCOG's FY26-29 TIP. The group also made consensus on the modelling process and assumptions. A summary of this call is provided in Appendix B, along with the list of projects being reviewed during the call. The results of the conformity analysis are documented in Section 2 above. A copy of this conformity analysis documentation was sent to each member of the MITC-IAWG for review and comment.

B. MITC-IAWG Comments and Responses

No comments received to date.

5. Description of Public Participation Process

A. Public Involvement

A public comment period for the 2025 Fall amendment of SEMCOG's FY26-29 TIP, was initiated on November 13, 2025, and concluded on December 5, 2025. Public notices were emailed to a broad cross section that included interested citizens, advocacy groups, community organizations, and municipal clerks. The notice was also sent to the media, public libraries, published in SEMCOG's biweekly electronic newsletter, and posted on its Web site and social media pages.

B. Public Comments and Responses

No comments received to date.

6. Formal MPO Action Supporting the Conformity Determination

SEMCOG committee action on the 2025 Fall amendment of SEMCOG's FY26-29 TIP:

- Transportation Coordinating Council (TCC), November 20, 2025
- Executive Committee, December 5, 2025

7. Key Modeling Assumptions and Local Inputs for SEMCOG Area

A. Description of Local Travel Data Inputs

1) Demographic Data

Travel forecasts used to calculate on-road mobile source emissions for the conformity analysis were based on demographic data from SEMCOG's 2050 Regional Development Forecast (RDF). At the time the base year inputs were developed, 2020 Census had only released limited 2020 household and population summary results, which also included intentional errors known as differential privacy (DP). This introduced complexities in creating a robust database for forecasting. Consequently, several data sources were combined to finalize the base year 2020 demographic data development.

- a) Census 2020 release: This contained block-level household and population counts, along with large-area age group and race composition. This data served as synthesis targets and marginal controls for adjusting ACS attributes.
- b) 2020 5-year ACS: This constituted the primary source for household and person attributes like age, children, income, workers, cars, etc. Data was predominantly obtained at the block group level, with certain attributes, such as household income, available only at the Census tract level.
- c) SEMCOG housing units: Locally collected data primarily used in the household placement process to allocate households across the region into individual buildings.

The household and population data development comprised two key steps:

- a) Household synthesis: adjusted marginal controls for each Census block group or tract using the data from 2020 census and 5-year ACS; conducted a population synthesis process to generate individual household and person records at the block group level using 2020 5-year ACS PUMS samples as seed data.
- b) Placement: allocated households into individual housing units using the synthesized data by the placement program; assembled traffic analysis zone (TAZ) data after addressing some conflicts between Census and local housing data.

The 2050 RDF forecast was adopted in March of 2023. A three-step process was used to develop this forecast.

- a) Regional forecast totals of population, households and jobs were generated from the REMI (Regional Economic Models, Inc.) model. The model forecasts Southeast Michigan's ability to attract and retain population and jobs relative to all other parts of the United States. Regional totals are developed in five-year intervals from the 2020 base year to 2050.
- b) The regional totals were then used to develop a small-area forecast that disaggregates regional population, households and jobs into 1.8 million land parcels using the UrbanSim model. UrbanSim is a computer simulation model for planning and analysis of urban development. It incorporates the interaction between land use, transportation, and public policy. In doing so, it puts future population and jobs into the most desirable land parcel and models residential and nonresidential developments as demand arises.

- c) Land parcels from the small-area forecast were aggregated to traffic analysis zones (TAZs) for use in SEMCOG's travel demand forecasting model.

2) SEMCOG's Travel Demand Forecasting Model (TDFM)

Vehicle miles of travel (VMT) forecasts for the on-road emissions inventory were developed using version E8 of SEMCOG's Travel Demand Forecasting Model (TDFM) for both passenger travel and commercial vehicle travel.

E8 – passenger travel model components were inherited from E7, which was implemented in 2018 using SEMCOG's 2015 travel survey and recalibrated in 2022 with the transit ridership numbers from SEMCOG's 2019 onboard transit survey. It utilizes the standard trip-based modeling process (trip generation, trip distribution and mode choice) to model the passenger travel demand. The program is run on the platform of TransCAD.

E8 - commercial vehicle (CV) travel model components were implemented in 2021 using SEMCOG's 2017 commercial vehicle survey and other observed truck data. The CV model runs with the script language of R and includes three model components, described below at high-level.

- a) The [Firm Synthesis Model](#), which develops a list of business establishment locations and processes zonal land use data used to generate truck trip demand in later steps of the CV model.
- b) The [Long-Distance Truck Model](#), which estimates long-haul freight truck travel to and from the region, as well as external to external truck travel through the region.
- c) The [Commercial Vehicle Touring Model](#) (CVTM), which estimates demand for local deliveries and the provision of services by non-freight carrying trucks. The tours and trips simulated to serve this demand, when combined with the travel from the long-distance truck model, means that the CV model simulates all truck movements within, to, from, and through the region.

The last step of SEMCOG's TDFM is traffic assignment, which runs in TransCAD and assigns zone-to-zone passenger and commercial vehicle trips to the E8 model road network by time period and vehicle type. The base year 2020 of E8 model used the 2020 household/population and the 2019 employment data as model inputs to validate the model output against the travel observed before Covid in the region. The travel behavior changes due to Covid were not reflected in this E8 model version. Regional travel was forecasted in five-year intervals from the base year 2020 to the last year of SEMCOG's 2050 Regional Transportation Plan (RTP).

Detailed documentation on the model is contained in a separate SEMCOG document that is available upon request.

3) Mapping of Road Types between TDFM and MOVES

To use TDFM data in MOVES, the road types used in SEMCOG's TDFM must be reconciled with those used in MOVES. The MOVES model uses four basic road types for on-road activities: Urban Restricted, Urban Unrestricted, Rural Restricted and Rural Unrestricted. The term, “restricted”, refers to restricted or limited-access roadways. In the SEMCOG region, this includes all freeway facilities. All other roadways in the SEMCOG region are considered unrestricted facilities. The TDFM also includes several special functional classes that are not part of the regular roadway network (e.g. walk only, external zone connectors, transit-only links).

As TDFM functional classes do not distinguish between urban and rural facilities, another TDFM variable, Area Type, was used as a surrogate. The TDFM defines five area types (urban business, urban fringe, urban, suburban and rural) and assigns one to each roadway link based on the density of households, population and employment in the traffic analysis zone in which the link resides.

Table 3 shows how each area type and functional class in SEMCOG's TDFM is mapped to the four road types used in MOVES.

Table 3: Mapping of TDFM Functional Class and Area Type to MOVES Road Type

SEMCOG TDFM Functional Class	SEMCOG TDFM Area Type					
	Urban Business	Urban Fringe	Urban	Suburban	Rural	
1 - Interstate Freeway	4 – MOVES Urban Restricted Road Type				2 – MOVES Rural Restricted Road Type	
2 - Other Freeway						
3 - Principal Arterial	5 – MOVES Urban Unrestricted Road Type				3 – MOVES Rural Unrestricted Road Type	
4 - Minor Arterial						
5/6 - Collector	5 – MOVES Urban Unrestricted Road Type					
7 - Local						
9 - Uncertified Road	Non-road or outside region. Not used in MOVES					
99 - Centroid connector (local road surrogate)						
81 - 94 Transit Use Only	Non-road or outside region. Not used in MOVES					
90 - External						
96 - Walk Only						

4) Vehicle Miles of Travel (VMT)

MOVES provides an option to input annual VMT by the six FHWA Highway Performance Monitoring System (HPMS) vehicle types with the passenger car (HPMS 20) and other 4-tire/2-axle vehicles (HPMS 30) combined as HPMS25.

- HPMS10 – Motorcycle;
- HPMS25 - Passenger car and Other 4-tire, 2-axle vehicles;
- HPMS40 – Bus;
- HPMS50 - Single unit truck;
- HPMS60 - Combination truck.

Local VMT data used in the MOVES model is derived from SEMCOG's Travel Demand Forecasting Model (TDFM). The model generates average weekday VMT forecasts and does not currently have the capability to allocate this VMT to different HPMS vehicle types. The remaining part of this section describes the adjustment factors required to convert the TDFM data into the format required for MOVES.

a) HPMS Normalization

In accordance with EPA and FHWA guidance, SEMCOG TDFM VMT was normalized to HPMS VMT by county and road type. Normalization factors were developed by dividing the 2019 HPMS VMT by the estimated 2019 VMT from the E8 base year model. Table 2 shows the resulting factors. These factors were applied to TDFM VMT in all analysis years.

Table 4: HPMS Normalization Factors

County	Road Type	
	Restricted	Unrestricted
Livingston	1.1082	0.9439
Macomb	0.8494	1.0495
Monroe	0.9601	1.0557
Oakland	0.8455	0.9621
St Clair	1.029	1.3872
Washtenaw	1.0214	0.901
Wayne	0.9205	1.2206

b) Distribution of VMT Among HPMS Vehicle Types

Two sets of distribution factors for restricted and unrestricted roadways were developed to allocate the total VMT of an analysis year among five vehicle classes as described at the beginning of this section. Due to the impact of Covid, the scheduled traffic counts collection in 2020 was not able to be conducted. Therefore, all the VMT distribution factors developed with the 2015 counts for SEMCOG's 2045 RTP continued to be used for SEMCOG's 2050 RTP.

Table 5: VMT Distribution Factors by HPMS Vehicle Type

HPMS Vehicle Type	Restricted	Unrestricted
H10 – Motorcycle	0.00276	0.00589
H25 - Passenger Car and Other 4-tire, 2-axle vehicles	0.89201	0.90783
H40 – Bus	0.00166	0.00442
H50 - Single-Unit Truck	0.01931	0.05772
H60 - Combination Truck	0.08426	0.02414

Every five years starting from 2005, SEMCOG has been collecting screen line counts, which are mostly non-freeway counts, throughout the seven-county SEMCOG region. The 2015 screen line traffic count was used to develop VMT distribution factors for unrestricted roadways.

Every year, MDOT collects permanent traffic recording (PTR) counts, which includes vehicle classification counts from 13 freeway stations through SEMCOG region. These 2015 PTR classification counts were used to develop the average distribution factors for restricted roadways.

Both counts collected from MDOT and SEMCOG were classified based on FHWA's standard 13 traffic bins. These bins were aggregated to five vehicle classes required by MOVES. The factors derived from these counts are shown in Table 5.

c) Conversion of Average Weekday VMT to Annual VMT

Monthly and weekend adjustment factors were developed using 2014-2016 count data from the 35 PTR stations in Southeast Michigan. Monthly adjustment factors for motorcycles were developed separately due to its significant difference from other vehicle types. Weekend adjustment factors were developed for each of the five vehicle types since significant variations were shown among each other. These adjustment factors (shown in Table 6), along with the HPMS-normalized weekday VMT by vehicle type, were then entered into EPA's AADVMT converter of "moves4-aadvmt-converter-tool-2023-08.xls" to compute the annual VMT, monthly and daily VMT fractions needed for MOVES4.

Table 6: Monthly and Weekend Adjustment Factors

Month	Monthly Adjustment Factors		Weekend Adjustment Factors				
	Motorcycle	Others	H10	H25	H40	H50	H60
Jan	0.61591	0.84277	0.74004	0.76880	0.50814	0.31258	0.34568
Feb	0.64898	0.89507	0.72627	0.74810	0.53906	0.28693	0.32378
Mar	0.70943	0.97283	0.78072	0.80027	0.56487	0.28654	0.32074
Apr	0.86564	1.01831	1.06431	0.80995	0.56013	0.30115	0.30696
May	1.18817	1.03520	1.00755	0.82747	0.51042	0.31796	0.31331
Jun	1.39409	1.08036	1.09094	0.82842	0.53217	0.34252	0.32225
Jul	1.47548	1.06434	1.04333	0.83058	0.61693	0.34956	0.31060
Aug	1.42116	1.07990	1.07714	0.85262	0.61017	0.36666	0.32662
Sep	1.29399	1.04244	1.02136	0.85271	0.61270	0.36014	0.32851
Oct	0.95050	1.04384	0.84475	0.82973	0.63029	0.33629	0.33077
Nov	0.78996	0.98673	0.72377	0.79581	0.61643	0.32037	0.34036
Dec	0.64280	0.93822	0.77974	0.78883	0.52432	0.31239	0.34840

5) Hourly VMT Fractions

Two different data sources were used to develop hourly VMT fractions for MOVES:

- 2015 screen line traffic counts collected by SEMCOG - All screen line counts include classification data but were only collected on weekdays.
- 2015 PTR counts for locations within the SEMCOG region - This data includes both weekdays and weekends. All the count stations are on freeways and only a limited number of these stations collect classification data.

Using this data, SEMCOG was able to develop weekday hourly VMT fractions for each of five HPMS vehicle types by restricted (shown in Table 7) and unrestricted MOVES road types (shown in Table 8).

Table 7: Weekday Hourly Fractions for Restricted Road Types

HOUR	H10	H25	H40	H50	H60	Total
1	0.00901	0.00853	0.01300	0.00685	0.01929	0.00941
2	0.00506	0.00508	0.01077	0.00607	0.01775	0.00618
3	0.00495	0.00412	0.01079	0.00671	0.01748	0.00531
4	0.00572	0.00487	0.01220	0.00855	0.01974	0.00621
5	0.01331	0.01094	0.01839	0.01323	0.02500	0.01218
6	0.03873	0.02914	0.02854	0.02445	0.03304	0.02940
7	0.05610	0.05634	0.04263	0.05114	0.04400	0.05518
8	0.05897	0.07031	0.05985	0.06570	0.04968	0.06843
9	0.05187	0.06151	0.06112	0.07814	0.05658	0.06139
10	0.04527	0.04812	0.06610	0.07654	0.06325	0.04996
11	0.04491	0.04411	0.06347	0.07401	0.06555	0.04653
12	0.04792	0.04569	0.05739	0.07388	0.06606	0.04798
13	0.05076	0.04846	0.06006	0.07350	0.06413	0.05029
14	0.05422	0.05120	0.06267	0.07587	0.06291	0.05269
15	0.06414	0.06073	0.06700	0.07750	0.06062	0.06107
16	0.07425	0.07509	0.06726	0.07268	0.05566	0.07339
17	0.07592	0.08344	0.05918	0.06113	0.04929	0.08007
18	0.07156	0.08323	0.05087	0.04636	0.04353	0.07909
19	0.06320	0.06326	0.04795	0.03500	0.04076	0.06079
20	0.04912	0.04401	0.03725	0.02398	0.03570	0.04292
21	0.03837	0.03466	0.02944	0.01737	0.03160	0.03407
22	0.03307	0.02891	0.03085	0.01314	0.02904	0.02863
23	0.02533	0.02233	0.02336	0.01009	0.02620	0.02243
24	0.01823	0.01591	0.01989	0.00810	0.02316	0.01638

Table 8: Weekday Hourly Fractions for Unrestricted Road Types

Hour	H10	H25	H40	H50	H60	Total
1	0.00536	0.00794	0.00434	0.00529	0.01420	0.00791
2	0.00371	0.00543	0.00249	0.00395	0.01364	0.00552
3	0.00416	0.00527	0.00357	0.00407	0.01379	0.00539
4	0.00426	0.00685	0.00344	0.00528	0.01637	0.00696
5	0.00865	0.01299	0.00744	0.00917	0.02186	0.01294
6	0.01924	0.02808	0.01596	0.02223	0.03012	0.02769
7	0.03800	0.04830	0.06490	0.04586	0.04488	0.04809
8	0.06079	0.06905	0.09539	0.06604	0.06031	0.06873
9	0.05785	0.06046	0.09259	0.07022	0.06781	0.06133
10	0.04103	0.04541	0.06258	0.06268	0.06417	0.04691
11	0.04297	0.04380	0.05978	0.06083	0.06390	0.04533
12	0.04714	0.04747	0.06159	0.06332	0.06677	0.04891
13	0.05924	0.05097	0.05531	0.06543	0.06308	0.05216
14	0.06083	0.05242	0.06116	0.06275	0.06378	0.05338
15	0.07287	0.06154	0.08679	0.06809	0.06259	0.06213
16	0.08846	0.07415	0.09969	0.07556	0.06072	0.07411
17	0.10167	0.08174	0.08279	0.07774	0.05772	0.08105
18	0.09847	0.08327	0.04963	0.07190	0.05491	0.08187
19	0.07032	0.06446	0.03165	0.05387	0.04189	0.06319
20	0.04197	0.04739	0.01901	0.03639	0.03149	0.04621
21	0.03187	0.03906	0.01488	0.02833	0.02705	0.03800
22	0.01966	0.02956	0.01118	0.01918	0.02313	0.02866
23	0.01337	0.02062	0.00735	0.01304	0.01861	0.02003
24	0.00810	0.01378	0.00649	0.00879	0.01722	0.01351

However, for weekends, the count data was not robust enough to develop separate factors by road type, so only a single set of hourly VMT factors (shown in Table 9 below) was developed for both restricted and unrestricted road types.

Table 9: Weekend Hourly Fractions for Restricted/Unrestricted Road Types

HOUR	H10	H25	H40	H50	H60	Total
1	0.01635	0.01781	0.03310	0.01946	0.03316	0.01839
2	0.01066	0.01119	0.02323	0.01586	0.02873	0.01187
3	0.00790	0.00841	0.01984	0.01526	0.02595	0.00911
4	0.00579	0.00642	0.01708	0.01556	0.02498	0.00718
5	0.00749	0.00823	0.01755	0.01712	0.02806	0.00902
6	0.01279	0.01332	0.02291	0.02249	0.03179	0.01407
7	0.01867	0.02010	0.03379	0.03690	0.03798	0.02089
8	0.02291	0.02624	0.05137	0.05046	0.04349	0.02708
9	0.03282	0.03478	0.05412	0.06060	0.04905	0.03552
10	0.04456	0.04581	0.05471	0.06376	0.05285	0.04622
11	0.05503	0.05565	0.05689	0.06525	0.05602	0.05574
12	0.06466	0.06392	0.05137	0.06709	0.05710	0.06369
13	0.07084	0.06986	0.05404	0.06761	0.05578	0.06932
14	0.07520	0.07230	0.04839	0.06710	0.05434	0.07159
15	0.07703	0.07398	0.04786	0.06348	0.05153	0.07307
16	0.08072	0.07576	0.05201	0.06053	0.04996	0.07469
17	0.07736	0.07454	0.05285	0.05702	0.04782	0.07342
18	0.07136	0.07088	0.05550	0.05255	0.04620	0.06982
19	0.06338	0.06289	0.05654	0.04594	0.04549	0.06211
20	0.05482	0.05373	0.04961	0.03817	0.04285	0.05321
21	0.04560	0.04517	0.03900	0.03143	0.03990	0.04486
22	0.03578	0.03735	0.04079	0.02575	0.03628	0.03722
23	0.02814	0.02989	0.03471	0.02164	0.03196	0.02990
24	0.02016	0.02177	0.03273	0.01898	0.02874	0.02201

6) Road Type Distribution

Several steps were involved to produce the VMT road type distribution factors for each HPMS vehicle class. First, the 2019 HPMS VMT numbers were grouped into four MOVES road types (Urban Restricted, Urban Unrestricted, Rural Restricted and Rural Unrestricted). Then, the VMT value for each of the four MOVES road types was divided among five HPMS vehicle types based on the vehicle type distribution factors developed in Table 5. The final VMT road type distribution factors (Table 10) were developed by dividing the calculated VMT for each MOVES road type and each HPMS vehicle type with the total VMT of each HPMS vehicle class.

Table 10: Road Type Distribution Factors

HPMS Vehicle Type	MOVES Road Type			
	Rural Restricted	Rural Unrestricted	Urban Restricted	Urban Unrestricted
H10 - Motorcycle	0.020290	0.048728	0.193794	0.737189
H25 - Passenger Car or Other 4 tire, 2-axle vehicles	0.034454	0.039461	0.329089	0.596996
H40 - Bus	0.017007	0.050876	0.162438	0.769680
H50 - Single-Unit Truck	0.015430	0.051907	0.147378	0.785285
H60 - Combination Truck	0.063482	0.020471	0.606346	0.309700

7) Average Speed Distributions

MOVES uses the distribution of vehicle hours of travel (VHT) by average speed to determine an appropriate operating mode distribution. To develop the local average speed distribution for Southeast Michigan, SEMCOG used congested speed and VHT output from the TDFM to compute the VHT fraction in each MOVES speed bin. MOVES requires the user to input hourly speed distributions by road type and vehicle class. While SEMCOG's travel model does not provide hourly speed data, it calculates speeds by five different time periods:

- AM peak, simulating the hours of 6:30 - 9:00 a.m.;
- Mid-day, simulating the hours of 9:00 a.m. - 2:30 p.m.;
- PM peak, simulating the hours of 2:30 - 6:30 p.m.;
- Evening, simulating the hours of 6:30 p.m. - 10:00 p.m.
- Night, simulating the hours of 10 p.m. – 6:30 a.m.

For MOVES, separate speed distributions were developed for each of these time periods and applied to all hours within that period. This was done as follows:

- For each time period, the directional congested speed of each roadway link was assigned to one of MOVES 16 speed bins;
- The associated directional VHTs on the links were then aggregated by speed bin and MOVES road type;
- Then, for each road type, the VHT fraction in each speed bin was computed.

For each analysis year, the average speed distributions were developed. As no local data is currently available on speed differentiation between vehicle classes, the same distributions were applied to all vehicle types.

B. Description of Local Vehicle Data Inputs

Every year, SEMCOG receives a snapshot of July-01 active vehicle registration data from Michigan Department of State (*DOS*). The 2023 vehicle registration data was used as the primary data source in developing local vehicle population, age distribution, and alternate vehicle fuel and technology (AVFT) information. The following sections describe briefly

how each was developed. Detailed documentation on their development is contained in a separate memo of “*Development of Local Inputs using Vehicle Registration Data*”.

1) Vehicle Population

Year 2023 vehicle registration data was used to develop the base year vehicle population inputs for most MOVES source types. The body style, plate type and use type fields in the DOS database were used to determine the MOVES source type of each vehicle. Table 11 shows how each combination of DOS body style, plate type and use type was mapped to the MOVES source type. Where DOS data did not provide sufficient detail, it was supplemented with information from MOVES default distributions for Southeast Michigan counties. As noted in the table, the base year vehicle population for the transit bus (M42) and school bus (M43) was developed using the 2018/2019 bus fleet data obtained from the Michigan Department of Transportation (MDOT).

Table 11: Mapping between MOVES Vehicle Types and Michigan DOS Body Styles

MOVES Vehicle Type	Michigan DOS Body Style
M11 – Motorcycle	Motorcycle
M21 – Passenger Car	2-door, 4-door, Convertible
M31 – Passenger Truck	Non-Commercial Station Wagon/Pick-up/Van
M32 – Light Commercial Truck	Ambulance, Hearse, Panel, Commercial Station Wagon/Pick-up/Van
M41 – Other Bus	Bus population from DOS registration database
M42* – Transit Bus	DOS data not used. Instead, MDOT 2018/2019 transit bus fleet data of SEMCOG region was used.
M43* – School Bus	DOS data not used. Instead, MDOE 2019 school bus fleet data of SEMCOG region was used.
M51 – Refuse Truck	Dump Truck, Mixer, utility, Wrecker, Stake, Tank (Apportioned this data to M51, M52 and M53 vehicle types using split factors from MOVES4 default run.)
M52 – Single-unit Short-haul Truck	
M53 – Single-unit Long-haul Truck	
M54 – Motor Home	Motor Home
M61* – Combination Short-haul Truck	DOS data not used. Instead, National default numbers of SEMCOG region was used.
M62* – Combination Long-haul Truck	

Future year vehicle population data was based on future growth of regional population, households, and jobs of that year from SEMCOG’s 2050 regional development forecasts (RDF). The rate of growth between 2023 and each future analysis year was calculated. Table 12 shows the growth factors of regional vehicle population. This rate was then uniformly applied to the 2023 vehicle population to generate the future year population for all the vehicle source types other than M61 and M62. Due to lacking sufficient information of combination trucks in the recent vehicle registration database, MOVES4’s default-scale run was used to obtain the combination short-haul (M61) and long-haul (M62) truck population of SEMCOG region for each analysis year.

Table 12 Regional Vehicle Population Growth Factors

Growth Index from 2023		Regional Growth Index Based on SEMCOG's 2050 RDF						
Forecasted Item	% of	2023	2025	2030	2035	2040	2045	2050
Population	30%	1.000000	0.999655	1.014418	1.035057	1.049615	1.058643	1.062214
Households	30%	1.000000	1.005571	1.025841	1.044242	1.055069	1.060096	1.063158
Jobs	40%	1.000000	1.006936	1.034116	1.048158	1.053197	1.062414	1.078203
Vehicle Population	100%	1.000000	1.004342	1.025724	1.043053	1.052684	1.060587	1.068893

2) Vehicle Age Distribution

Year 2023 DOS vehicle registration was used to develop the vehicle age distribution used in MOVES. The DOS body style field was used to assign each vehicle to one of six HPMS vehicle types (see Table 13 below). Once HPMS vehicle types had been assigned, the data was aggregated by model year and assigned to the appropriate age category. Model years 2023 and 2024 were considered age 0, 2022 was considered age 1 and so on. Model years 1993 and older were grouped into the age 30+ category. The age distribution for each HPMS vehicle type was then computed.

Table 13: Mapping between HPMS Vehicle Types and Michigan DOS Body Styles

HPMS Vehicle Type	Michigan DOS Body Style
H10 – Motorcycle	Motorcycle
H20 – Passenger Car	2-door; 4-door; Convertible
H30 – Other 4-tire, 2-axle vehicles	Station Wagon; Pick-up/Van; Ambulance; Hearse; Panel;
H40 – Bus	Bus
H50 – Single-unit Short Truck	Dump Truck; Mixer; Utility; Wrecker; Stake; Tank, Motor Home
H60* – Combination Truck	National default data for M61 and M62 was used

By using the base year 2023 data, future year age distribution was projected by applying EPA's age projection tool of "moves4-age-distribution-projection-tool-2023-08.xls". Instead of using local data, the default age distribution of combination trucks in MOVES4 was used for each analysis year.

3) Alternate Vehicle and Fuel Technology (AVFT)

The vehicle fuel engine fractions of AVFT table were developed by using the fuel code information included in the 2023 DOS vehicle *registration* data and the 2018/2019 school/transit bus fleet data. Based on its fuel code, each vehicle record was assigned with one of five MOVES fuel types (see Table 14 below). Then, the vehicles with the same MOVES fuel type were counted for each MOVES vehicle source type and each model year. The fuel engine fractions of vehicles were computed for the model years between 1993 and 2023, and for the following vehicle source type/group: 21, 31, 32, 41 & 42 & 43, 51 & 52 & 53, and 54.

Based on the data developed for the vehicle model years of 1993-2023, the fuel engine fractions of future model years can be projected by EPA's AVFT tool included in MOVES4.

Table 14: Mapping between MOVES Fuel Type and DOS Fuel Code

MOVES Fuel Type	DOS Fuel Code
1-Gasoline	Convertible
	Electric & Gas Hybrid
	Flexible
	Gas
	Gas & Oil Mix
2-Diesel Fuel	Diesel
	Electric & Diesel Hybrid
3-Compressed Natural Gas	Butane
	Comp Nat Gas
	Liq Nat Gas
	Propane
5-Ethanol (E85)	Alcohol
	Ethanol
9-Electricity	Electric
	FEV
	PHEV

C. Local Temperature Used for PM_{2.5} and Ozone

Temperature and humidity data are required inputs for MOVES. For the PM_{2.5} conformity analysis, local temperature profiles were developed for each month of the year. To generate these profiles, the average minimum and maximum daily temperatures of each month in Southeast Michigan were compiled using 2020-2022 National Weather Service (NWS) local climatological data reports. EPA's *MeteorologicalDataConverter_Mobile6.xls* tool was then used to convert the average minimum and maximum temperatures to the required hourly temperature inputs for MOVES. Table 14 shows the average min/max temperatures that were used to develop each month's hourly profile. Since PM 2.5 emissions are at their highest during winter months, only data from December, January and February are used in the conformity analysis for this pollutant.

Table 15: Monthly Average Min/Max Temperatures for PM_{2.5}

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Min	21.2	19.1	31.5	38.5	50.6	61.0	65.9	64.9	56.1	45.6	34.2	28.1
Max	33.5	34.1	50.8	57.2	70.0	82.0	84.9	84.2	75.3	63.5	51.4	40.5

For ozone analysis, different temperature inputs were used. The objective is to simulate the on-road emissions that are likely to occur on days when meteorological conditions are conducive to high ozone formation (i.e., hot summer days). The emission inventory data from 2019 to 2021 was used to develop the most recent ozone SIP for the ozone redesignation submittal of SEMCOG region. Thus, the maximum summer temperature used in MOVES was calculated by averaging the maximum local temperatures on the 10 highest ozone days of these three years. Similarly, the minimum summer temperature was calculated by averaging the minimum local temperatures on the same 10 highest ozone days. This yielded a maximum temperature of 88.7 degrees and a minimum of 63.7 degrees. These numbers were entered into the month of July to simulate a typical summer day for ozone conformity analysis.

Appendix B:
Summary of the MITC-IAWG Conference Call

SEMCOG MITC-IAWG Meeting – Fall TIP/RTP Amendment

Summary of October 9th, 2025 Call

***Participants:**

MDOT: Donna Wittl, Andrea Strach, Ellie Brand, Meredith Fryer, Matthew Galbraith, Don Mayle

EGLE: Breanna Bukowski

EPA: Michael Leslie

WATS: Nick Sapkiewicz

SCCOTS: Peter Klomparens

FHWA: Andy Pickard

SEMCOG: Steve Brudzinski, Allison Racisz, Saima Masud, Chris Williams, Michele Fedorowicz, Madison Penque

*One additional participant from the dial-in option

On October 9th, 2025, the Michigan Transportation Conformity Interagency Workgroup (MITC-IAWG) conducted a Zoom call to review the proposed 2025 August amendment project list for SEMCOG's Fiscal Year (FY) 2026-2029 Transportation Improvement Program (FY 26-29 TIP) and the 2050 Regional Transportation Plan (2050 RTP). The purpose of the call was to determine the projects being amended to the FY 26-29 TIP and/or 2050 RTP would trigger the need for a new transportation conformity analysis and, if so, which need to be included in that analysis.

This meeting oversaw two project lists in total, one for the TIP amendments and one for RTP amendments. During the call, the group discussed the following projects in more detail.

- JN 218987 – Reconstruction with Road Diet project with length of .99 miles and limits described at 9 Mile Road from Tuscany Street to I-94. Air quality flagged Non-Exempt as this project will be reducing the existing model footprint by reducing 1 travel lane in each direction.
- JN 219058 – Road Rehabilitation project with length of .38 miles and limits described at Little Mack Avenue from Gratiot Ave to Masonic Blvd. Air quality flagged Non-Exempt as this project includes a road diet reduction in lanes from 4 lanes to 3 lanes total. Reduction will change 2 North-Bound and 2 South-Bound lanes to 1 lane each direction with a center turn lane.
- JN 224961 – Reconstruction and add center turn left lane project description with a length of 1.057 miles and limits at Schoenherr Road 25 Mile Road to 26 Mile Road. Air quality flagged Non-Exempt as this road is currently a 2-lane road and the footprint will be increasing to allow for a center turn lane for the project length.
- 50RTP-037 – Amendment type Delete, project description includes widening from three to five lanes with a length of 1.13 miles and limits at Pontiac Trail from Decker to Welch. This project has already been included in the model and will be removed from the model with this conformity run which flags it as air quality Non-Exempt.
- 50RTP-057 – Has two line entries in the project list, one for the Construction phase and one for the Right Of Way phase. This project has the description of reconfiguration from two to three lanes with roundabouts at Bulter Rd, Avon Rd, and Meadowbrook Rd. with a

length of 2.22 miles and limits at Hamlin Road to Walton Blvd. The Construction phase is flagged as air quality Non-Exempt, and the Right of Way phase is flagged as Exempt.

Additional projects discussed that were marked as Air Quality Exempt

- JN 223653 & JN 223654 were commented on as having bridge removals as their project descriptions. However, these links are not modeled and will not be modeled which retains Exempt status.
- JN 126491 – Delete amendment from the I-75 package with limits from south of 12 Mile to north of 13 Mile with a reconstruct and widen description. This project is long completed, and old information was still stored within the database which is being cleaned up. There are no changes being made so this project retains air quality Exempt status.

Due to several projects given “Non-Exempt” status, **a new conformity analysis is needed for SEMCOG’s Fall TIP/RTP amendment.**

The meeting was adjourned.

Appendix A:
Projects Included in Conformity Analysis

Projects Included in The Amendment 2025-05 Conformity Analysis

FISCAL YEAR / PERIOD	PROJECT ID	COUNTY	JURISDICTION	Project Name	PROJECT LIMITS	PROPOSED WORK	Length	AQ Exempt	FIRST MODEL YEAR	
2016-2018	127063	Wayne	MDOT - Regional	Gordie Howe International Bridge	Detroit to Windsor	Bridge access road infrastructure improvements		Non-Exempt	2030	
2020	124103	Oakland	MDOT	I-96	from I-275 to County Line	Installation of Active Traffic Management System	11.39	Non-exempt	2030	
2022	209478	Oakland	RCOC	Waldon Rd	Waldon Rd, Clintonville Rd to Baldwin Rd	Pave Gravel Road	2.18	Exempt	2030	
2022	210068	Livingston	MDOT	US-23	M-36 to one mile North of Spencer Rd	Milling and two-course overlay, flex route, bridge replacement & widening	8.00	Non-Exempt	2030	
2023	202543**	Wayne	MDOT	I-94 E	from east of X01 of 82025 to Barrett Avenue, City of Detroit	Road Reconstruction	2.03	Non-exempt	2035	
2024	218045	Oakland	Pontiac	Baldwin Ave	Multiple Routes, Various Locations, City of Pontiac	Road Diet (4-3 Lane Conversion), Signal modernization	1.04	Exempt	2030	
2024	210599	Oakland	MDOT	I-75BL (Woodward Ave Loop)	I-75 BL (Woodward Ave Loop), M-59, and US-24 BR (N Cass Ave)	Only minor widening at intersections and converting one-way street to two-way street	2.68	Non-Exempt	2030	
2024	218416	Wayne	Detroit	Rosa Parks Blvd	Fort St to W Jefferson, W. Jefferson from Rosa Parks to 8th St	Two-way Bike Track, Bus Stop, ADA Upgrades	0.54	Exempt	2030	
2024	130035	Wayne	MDOT	I-375BS W	S. of I-75/I-375 interchange to Jefferson Ave.	Reconstructing I-375/I-75 interchange and I-375 as a new at-grade boulevard	3.36	Non-Exempt	2030	
2026	218427*	Wayne	MDOT	I-94 E	I-94 east of X01 82024 (Conrail RR) to west of Burns Street	Road Reconstruction	2.03	Non-Exempt	2035	
2025	219309	Oakland		Novi	Beck Rd	11 Mile Rd to Grand River Ave	Reconstruct and widen from 3 to 5 lanes	1.50	Non-Exempt	2030
2026	219056	Macomb	Macomb County	Schoenherr Rd	Schoenherr from 23 Mile Rd to N of 25 Mile Rd	Reconstruction and add center left turn lane	2.16	Non-Exempt	2030	
2026	132535	Oakland	Troy	Rochester Rd	Rochester Rd: Barclay to Trinway	Widen from 5 to 6 lane Blvd	1.11	Non-Exempt	2030	
2026	218448	Oakland	RCOC	Pontiac Lake Rd	Pontiac Lake Rd, Margie Dr to Kingston St	Pave Gravel, no widening	0.80	Exempt	2030	
2026	218703	Wayne	MDOT	M-10 S/Woodrow Wilson Ramp	M-10 S exit to Elmhurst	Ramp Removal	0.11	Non-Exempt	2030	
2026	129149	Wayne	MDOT	I-96 E	Under Fullerton Avenue, Greenfield Road and CSX Railroad	Bridge removal and preservation work		Non-Exempt	2030	
2026	218987	Macomb	Eastpointe	E 9 mile Rd	9 Mile Road from Tuscan Street to I-94	Reconstruction with Road Diet	0.99	Non-Exempt	2030	
2026	219058	Macomb	Roseville	Little Mack Ave	Little Mack Avenue from Gratiot Ave to Masonic Blvd	Road Rehabilitation	0.38	Non-Exempt	2030	
2026-2027	211921	Macomb	MCDR	Romeo Plank Rd	Approximately 725 ft south of Iroquois Middle School drive to 23 Mile Road	Reconstruction from 2 to 5 lanes with replacement of bridges and culverts	1.24	Non-exempt	2030	
2027	218464	Oakland	Oakland County	Dunlap Rd	Dunlap Rd, s/o Westlake Ave (end of pavement) to M-24 (Lapeer Rd)	Reconstruction-Pave Gravel	1.96	Exempt	2030	
2027	210987	Wayne	MDOT	I-94 W	Lemay St over I-94	New Structure (A new bridge for motor vehicle traffic will be built on existing demolished route as part of I-94 modernization project)	-	Exempt	2030	
2027	223655	Wayne	Detroit	Chestnut St	Structure 12427 over Dequindre Cut Greenway	Bridge Miscellaneous - Bridge Removal	-	Non-Exempt	2030	
2027-2028	211347	Oakland	Road Commission Oakland County	12 Mile Road	Beck Road to Dixon Road	Widen road to four-lane boulevard.	1.78	Non-Exempt	2030	
2028	211937	Livingston	MDOT	Kensington Rd	Kensington Rd from Larkins Rd to Grand River Ave	Install roundabouts at the I-96 and Kensington Rd ramp terminals	0.89	Non-Exempt	2030	
2028	214565	Macomb	MDOT	21 Mile/I-94 W Ramp	I-94 Between M-59 and 21 Mile Road	Auxiliary Lane Construction along east and westbound I-94, connecting the ramp lanes between M-59 and 21 Mile Road. Additional work includes lengthening the ramp taper from EB M-59 to WB I-94.	1.88	Non-Exempt	2030	
2028	222159	Oakland	Oakland County	11 Mile Rd	11 Mile Rd, Woodward Ave to Main St (Royal Oak)	Asphalt Pavement Repair - Road Diet	0.74	Exempt	2030	
2028	222174	Oakland	Oakland County	Gallagher Rd	Silverbell Rd, Abbey Dr to Gallagher Rd & Gallagher Rd, Silverbell Rd to Orion Rd	Reconstruction-Pave Gravel	1.09	Exempt	2030	
2028	123138	Wayne	MDOT	M-153	W. of Sheldon Rd. to W. of Lotz Rd.	Reconstruction and widening of M-153 to a boulevard	2.41	Non-Exempt	2030	
2029	224961	Macomb	Macomb County	Schoenherr Rd	Schoenherr Road 25 Mile Road to 26 Mile Road	Reconstruction and add center left turn lane	1.06	Non-Exempt	2030	
2030	50RTP-014	Washtenaw	City of Ann Arbor	Huron Parkway	Plymouth Road to Washtenaw	Reduce one motor vehicle lane in each direction	3.32	Non-Exempt	2035	
2030	50RTP-026	Washtenaw	Washtenaw County Road Commission	State St	US-12 to Textile	Widen from 2 to 4 lane boulevard	1.50	Non-Exempt	2035	

2030	210997	Washtenaw	MDOT	I-94	Ann Arbor/Saline Road to US-23; US-23/I-94 interchange	Construct I-94 flex lane and State Street interchange improvements	3.34	Non-Exempt	2035
2030	50RTP-002	Washtenaw	City of Ann Arbor	W. Stadium Blvd	Huron Rd (Jackson) to Main	Rebalance via road-diet to one motor vehicle lane in each direction with a center turn lane.	2.20	Non-Exempt	2035
2030	50RTP-003	Wayne	Wayne County	Ecorse Rd	Merriman Rd to Middle Belt Rd	Reconstruct and Widen from two lanes to three lanes	1.00	Non-Exempt	2035
2030	50RTP-012	Wayne	Wayne County	Ecorse Rd	Middlebelt Rd to 1550' West of Inkster Rd	Reconstruct, Widen from two lanes to three lanes, and Culvert Replacement	1.30	Non-Exempt	2035
2030	50RTP-013	Wayne	Wayne County	Ecorse Rd	1250' East of Wayne Rd to Vining Rd	Reconstruct, Widen from two lanes to three lanes, Replace Culvert	1.00	Non-Exempt	2035
2031-2040	50RTP-044	Wayne	MDOT	I-94	Russell Street to St. Aubin	Road Reconstruction		Non-Exempt	2035
2031-2040	50RTP-004	Macomb	Macomb County Department of Roads	North Ave	21 Mile Rd to 23 Mile Rd	Reconstruct and widen road. (2 to 5 lanes)	2.01	Non-Exempt	2040
2031-2040	50RTP-005	Macomb	Macomb County Department of Roads	26 Mile Rd	Baker Rd to County Line Rd	Reconstruct and widen road. (1+1+1). The bridge will remain two lanes and not include a center lane.	1.70	Non-Exempt	2040
2031-2040	50RTP-054	Macomb	Macomb County	Hayes Road	23 Mile Road to 25 Mile Road	Road reconstruction and widening from two to five lanes	2.04	Non-Exempt	2040
2031-2040	50RTP-036	Oakland	Novi	Beck Rd	Eight Mile Rd to 11 Mile Rd	Widen from two to five lanes	2.00	Non-Exempt	2040
2031-2040	50RTP-038	Oakland	Novi	Beck Rd	West Rd to Pontiac Trail	Widen from three to five lanes	1.00	Non-Exempt	2040
2031-2040	50RTP-040	Oakland	Novi	Beck Rd	12 Mile Rd to West Rd	Widen from three to five lanes	1.00	Non-Exempt	2040
2031-2040	50RTP-027	Washtenaw	Washtenaw County Road Commission	State St	Textile to Morgan	Widen from 2 to 4-lane boulevard	1.00	Non-Exempt	2040
2031-2040	50RTP-043	Wayne	MDOT	I-94	St. Aubin St to Burns Rd	Road Reconstruction		Non-Exempt	2040
2031-2040	50RTP-045	Wayne	MDOT	I-94	2nd Avenue to Beaubien Street, I-94 Mainline Service Roads & Cross Streets	Road Reconstruction		Non-Exempt	2040
2031-2040	50RTP-057	Oakland	Oakland County	Adams Road	Hamlin Road to Walton Blvd	Reconfiguration from two to three lanes with roundabouts at Butler Rd, Avon Rd, and Meadowbrook Rd.	2.22	Non-Exempt	2040
2041-2050	50RTP-047	Wayne	MDOT	I-94	Beaubien Street to Russell Street, I-94 Mainline and I-75 Interchange	Road Reconstruction		Non-Exempt	2045
2041-2050	50RTP-028	Macomb	Macomb County Department of Roads	21 Mile Rd	Romeo Plank Rd to North Ave	Currently 21 mile road is one lane of traffic in each direction. After construction there will be a center turn lane with two lanes of traffic in each direction. (2+1+2)	3.00	Non-Exempt	2050
2041-2050	50RTP-039	Oakland		Southfield Rd	Mt Vernon St to Beverly Rd	Widen from five lanes to four-lane boulevard	4.00	Non-Exempt	2050
2041-2050	50RTP-041	Oakland		Beck Rd	11 Mile Rd to Grand River Ave	Widen from two to five lanes	1.50	Non-Exempt	2050
2041-2050	50RTP-042	Oakland	RCOC	Ten Mile Rd	South Lyon E CL to Haggerty Rd	Widen from two to five lanes	10.00	Non-Exempt	2050
2041-2050	50RTP-011	Washtenaw	Washtenaw County Road Commission	Jackson Rd	Dino to Parker	Reconstruct roadway, 2 to 4-lane, add center turn lane	1.00	Non-Exempt	2050
2041-2050	50RTP-029	Washtenaw	Washtenaw County Road Commission	Seven Mile Rd	Main to Seven Mile	Construct new 2-lane road	1.15	Non-Exempt	2050
2041-2050	50RTP-046	Wayne	MDOT	I-94	I-96 to Trumbull Avenue	Road Reconstruction		Non-Exempt	2050

* 218427 is being deleted because it is being merged into an existing project, 202543.

** 202543 CON is a FY 2027 project , and will be included in FY 26-29 Amendment 25:5 (Full).



[View this email in a web browser.](#)

For immediate release: November 13, 2025
Contact: SEMCOG [Information Center](#), (313) 961-4266

SEMCOG invites public comment on an amendment to the 2050 Regional Transportation Plan and the FY 2026-2029 Transportation Improvement Program

SEMCOG, the Southeast Michigan Council of Governments, announces the public comment period for an amendment to the [FY 2026-2029 Transportation Improvement Program \(TIP\)](#) and the [Vision 2050 Regional Transportation Plan \(RTP\)](#). The RTP is a long-range vision and strategy that directs investment in the regional transportation system. The TIP is a list of specific projects which implement the RTP policies. TIP projects are recommended by cities, villages, county road agencies, transit providers, and the Michigan Department of Transportation (MDOT) over a four-year period. SEMCOG's Executive Committee votes on the final approval of the TIP project list.

The Vision 2050 RTP amendment process allows for updating the adopted plan's project list to address shifting transportation needs while maintaining regional priorities. RTP amendments may include additions, removals, and modifications that impact regional transportation beyond the 2026-2029 TIP. The RTP project list may be amended five times each year, following the same rules and timelines of the TIP amendment schedule.

FY 26-29 TIP Amendment 25:5 (Full)

Page 1 and 2 of the [Amendment 25:5 list](#) provides details of 34 TIP phases to be revised:

- 23 Additions
- 3 Cost Changes
- 6 Deletions
- 2 Scope Change
- 10 General Program Accounts (GPA)

Amendment details are available on [SEMCOG's Transportation Improvement Program webpage](#) or by contacting SEMCOG's [Information Center](#) at (313) 961-4266.

Vision 2050 RTP Amendment 25:5

Page 3 of the [Amendment 25:5 list](#) provides details of 3 RTP projects to be revised:

- 2 Additions
- 1 Deletions

[Share Comments Now](#)

How to comment

[Please use this comment\(s\) form](#) or [MDOT's web map](#) to submit comments electronically. If it is more convenient, you may also:

- Address written comments to SEMCOG Information Center, 1001 Woodward Avenue, Suite 1400, Detroit, MI 48226;
- Send faxes to 313-961-4869;
- Call 313-961-4266, or
- Email infocenter@semcog.org.

Comments can also be made during the following in-person meetings, in which the amendment will be considered:

- Transportation Coordinating Council, Thursday, November 20, 2025, 9:30 a.m., 1001 Woodward Avenue, Suite 1400, Detroit, MI 48226;
- Executive Committee, Friday, December 5, 2025, 1 p.m., 1001 Woodward Avenue, Suite 1400, Detroit, MI 48226.

Coverage of this notice

Public notice of public participation activities and time established for public review of, and comments on, the TIP will satisfy the Program of Projects (POP) requirements of the Federal Transit Administration (FTA).

Translation of this notice is available upon request free-of-charge. SEMCOG offers interpretation services, including language translation services and signage for the hearing impaired, at public meetings upon request with seven days advance notice. SEMCOG will not exclude persons based on age, religion, or disability. Individuals with disabilities requiring assistance should contact the SEMCOG Information Center, infocenter@semcog.org, or call 313-324-3330. For assistance, contact the SEMCOG Information Center, infocenter@semcog.org, or call 313-961-4266.

La traducción de este documento está disponible si se pide y sin costo alguno. SEMCOG ofrece servicios de interpretación, incluyendo servicios de traducción de idiomas y señalización para las personas con discapacidad auditiva, en reuniones públicas si se pide con siete días de anticipación. SEMCOG no excluye a las personas basándose en edad, religión o discapacidades. Los individuos con discapacidades que requieran ayuda deberían contactar al centro de información del SEMCOG infocenter@semcog.org o llamar al 313-324-3330. Para obtener ayuda, contacte al centro de información del SEMCOG a infocenter@semcog.org o 313-961-4266.

ترجمة هذا المستند متوفّر عند الطلب و مجاناً.

يوفّر مجلس حكومات جنوب شرق ميشيغان (SEMCOG) خدمات ترجمة شفوية، وذلك يتضمّن خدمات ترجمة لغوية ولغة الإشارة للمعوقين سمعياً، في المجتمعات العامة بناء على طلب إشعار مسبق مدته 7 أيام.

لن يستثنى مجلس حكومات جنوب شرق ميشيغان (SEMCOG) أشخاص بناء على العمر، الدين، أو الإعاقة.

على الأفراد ذوي الإعاقة والذين يحتاجون مساعدة، التواصل مع مركز معلومات مجلس حكومات جنوب شرق ميشيغان (SEMCOG) على البريد الإلكتروني infocenter@semcog.org

أو الاتصال على الرقم 313-961-4266.

للمساعدة، تواصل مع مركز معلومات مجلس حكومات جنوب شرق ميشيغان عبر البريد الإلكتروني infocenter@semcog.org أو الاتصال على الرقم (313) 961-4266.

SEMCOG will ensure that qualified individuals shall not, solely on the basis of their disability, be excluded from participation in, denied the benefits of, or subjected to discrimination under any of its programs, services, or activities as provided by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 (ADA).

Accommodations at SEMCOG meetings

SEMCOG offers reasonable accommodations for persons with disabilities. Persons in need of auxiliary aids or services, such as interpretation services, are asked to contact SEMCOG at least 72 hours (three business days) in advance of the meeting.

SEMCOG regularly documents its meetings and events with photos/videos. If you attend, your image may be used in future promotional materials. This may include - but is not limited to - social media, printed material, YouTube videos, and more. Thank you for your understanding, and [please contact us](#) to let us know if you would prefer not to be photographed.



SEMCOG - Southeast Michigan Council of Governments
 1001 Woodward Avenue, Suite 1400, Detroit, Michigan 48226
 313-961-4266 • Fax: 313-961-4869 • Staff email: lastName@semcog.org
www.semco.org

SEMCOG is the only organization in Southeast Michigan that brings together all governments to solve regional challenges and enhance the quality of life for the seven-county region's 4.8 million people.

[Opt-out](#) of future SEMCOG Public Notice mailings.
[Unsubscribe](#) from receiving any mailings from SEMCOG.

Gwen Markham Chairperson <i>Commissioner, Oakland County</i>	Laura Kropp First Vice Chairperson <i>Mayor, City of Mount Clemens</i>	Anne Marie Graham-Hudak Vice Chairperson <i>Supervisor, Canton Township</i>	Joe LaRussa Vice Chairperson <i>Mayor, City of Farmington</i>	Diana McKnight-Morton Vice Chairperson <i>Trustee, Washtenaw Community College</i>	Frank Viviano Vice Chairperson <i>Supervisor, Macomb Township</i>	Amy O'Leary Executive Director
---	---	--	--	---	--	--

