

RESOLUTION**AMENDING THE FY 2018 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM OF THE EASTGATE REGIONAL COUNCIL OF GOVERNMENTS TO INCLUDE UPDATED COMPLIANCE FOR PM2 AND PM3 PERFORMANCE MANAGEMENT TARGETS**

WHEREAS, the Eastgate Regional Council of Governments is the Metropolitan Planning Organization (MPO) for transportation planning in the Youngstown Metropolitan Area, which include in its study area Mahoning and Trumbull County, Ohio; and

WHEREAS, the FY2018 through FY2021 MPO Transportation Improvement Program (TIP) became effective concurrent with US DOT approval of the FY2018 through FY2021 Ohio State Transportation Improvement Program on July 1, 2017; and

WHEREAS, per Federal Rule 23 CFR 450 States and Metropolitan Planning Organizations are required to address the transportation performance management pavement and bridge (PM2) and reliability, freight, and CMAQ (PM3) MPO/State targets; and

WHEREAS, the performance measures are being required to foster transparency and accountability, and help track progress at regional, state, and national levels; and

WHEREAS, the General Policy Board of the Eastgate Regional Council of Governments adopted GPB Resolution #048-2018 supporting ODOT's performance management targets; and

WHEREAS, the Ohio Department of Transportation had to report annual targets for pavement, bridge, travel time reliability, freight travel time reliability, and emission reductions measures by May 20th, 2018; and

WHEREAS, the Eastgate Regional Council of Governments must establish targets within 180 days of the State's establishment of targets; and

WHEREAS, the Eastgate Regional Council of Governments agrees to adopt ODOT's remaining targets related to pavement, bridge, travel time reliability, delay, SOV travel, and CMAQ emissions as outlined in ODOT's Performance Management Targets table;

NHS Pavement Condition	4 Year State Target
<i>Percent of Interstate Pavements in Good Condition</i>	50%
<i>Percent of Interstate in Poor Condition</i>	1%
<i>Percent of Non-Interstate NHS Pavement in Good Condition</i>	35%
<i>Percent of Non-Interstate NHS Pavement in Poor Condition</i>	3%
NHS Bridge Condition	-
<i>Percent of NHS Bridges by Deck Area in Good Condition</i>	50%
<i>Percent of NHS Bridges by Deck Area in Poor Condition</i>	5%
NHS Travel Time Reliability	-
<i>Percent of Person-Miles Traveled on the Interstate that are Reliable</i>	85%
<i>Percent of Person-Miles Traveled on the Non-Interstate NHS that are Reliab</i>	80%
Interstate Truck Travel Time Reliability	-
<i>Interstate Truck Travel Time Reliability Index</i>	<1.50
Total CMAQ Emission Reduction	-
<i>VOC Total Emission Reduction</i>	69 kg/day
<i>NOX Total Emission Reduction</i>	537 kg/day

NOW, THEREFORE, BE IT RESOLVED, that the General Policy Board of the Eastgate Regional Council of Governments, State of Ohio, hereby approves amending the FY2018 through FY2021 TIP to include updated compliance for PM2 and PM3 performance management targets.

Passed this 17 day of May, 2019.

ATTEST:

A handwritten signature in blue ink, appearing to read "James Kinnick", written over a horizontal line.

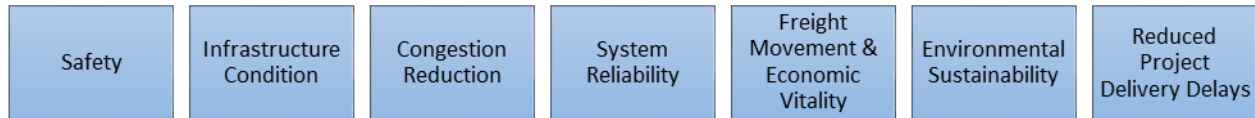
James G. Kinnick, P.E., Executive Director

A handwritten signature in blue ink, appearing to read "Patrick Ginnetti", written over a horizontal line.

Patrick T. Ginnetti, P.E., P.S., Chairman

Chapter 9 - Performance Measures

MAP-21 and the FAST Act are placing emphasis on incorporating performance management into transportation planning and programming processes. National performance goals have been established for 7 key areas, and states are required to establish performance targets in support of these national goals. Projects on Ohio’s STIP address transportation needs in one or more of these key areas, which are:



As part of a memorandum of understand between Eastgate, Trumbull Transit System, Western Reserve Transit Authority, and the Ohio Department of Transportation, standard procedures of operation and coordination concerning the performance based planning process have been developed. The agreement documents the coordination and consensus among the parties regarding their mutual responsibilities in carrying out the performance based transportation planning and programming process for the metropolitan planning area.

Safety Performance Management Measures

Federal Rule 23 CFR 490 requires states and MPOs to establish targets for five safety performance measures to demonstrate fatal and serious injury reductions on all public roads. In 2016, ODOT identified five statewide safety baselines through analysis of the crash data in the Ohio Department of Public Safety’s Crash Report System.

In accordance with federal legislation, Ohio used five-year rolling averages to calculate historic crash trends and identify statewide reduction targets. After reviewing historical crash trends, external factors, and through consultation with Ohio’s MPO’s and RTPO’s, Ohio adopted targets based on a 1 percent annual reduction for 2018 across all five measures. The below table summarizes the baselines and targets.

Safety Performance Management Measures	BASELINE	TARGET
<i>Number of Fatalities</i>	< 1,072	< 1,051
<i>Number of Serious Injuries</i>	< 9,216	< 9,033
<i>Fatality Rate per 100 Million Vehicle Miles Traveled</i>	< 0.92	< 0.91
<i>Serious Injury Rate per 100 Million Vehicle Miles Traveled</i>	< 8.17	< 8.01
<i>Number of Non-motorized Fatalities and Serious Injuries</i>	< 856	< 840

Eastgate’s TIP includes projects which will improve safety in the region. Eastgate works with ODOT and local officials to identify, apply for, and program projects through ODOT’s HSIP, as well as other funding sources available through Eastgate. The table below lists selected projects in the TIP and the anticipated effect on safety.

SAFETY PROJECTS IN EASTGATE'S 2018-2021 TIP			
PID	PROJECT	DESCRIPTION	ANTICIPATED EFFECT ON SAFETY
80192	MAH 680/164 Interchange	Construct a new interchange at IR-680 and SR-164 in Beaver Township	Reduction of serious injury and angle crashes.
95446	MAH CR 0151 03.57 South Avenue	Intersection improvements and signalization upgrade from Matthews Road to Midlothian Boulevard in Boardman Township.	Reduction of rear end crashes.
102103	MAH SR 46 16.64	Restripe and reconfigure lanes along SR 46 from Lou Ida Boulevard to County Line Road in Austintown Township	Reduction of serious injury, rear end, and left turn crashes.
103720	MAH SR 0046	Intersection improvements at SR-46 and Mahoning Avenue in Austintown Township.	Reduction of serious injury, rear end, left turn and angle crashes.
104740	TRU CR 0329 3.27 E Market Street	Installing two traffic signals to allow left turns off of SR 82 EB off-ramp to East Market Street	Reduction serious injury, rear end and angle crashes.
107273	MAH-CR162-3.02 New at S.Raccoon	Intersection improvements and signal upgrades at Raccoon Road and New Road	Reduction of driveway related angle crashes.

Eastgate will continue to plan and program projects so that they contribute toward the accomplishment of the Ohio Department of Transportation safety target for that performance measure.

PM2 and PM3 Performance Management Targets

Federal Rule 23 CFR 450 requires states and MPOs to address the transportation performance management pavement and bridge (PM2) and reliability, freight, and CMAQ (PM3) targets. The Ohio Department of Transportation had to report annual targets for pavement, bridge, travel time reliability, freight travel time reliability, and emission reductions measures by May 20th, 2018. Eastgate, as the area MPO, agreed to adopt ODOT's performance management targets through GPB Resolution #048-2018. The table below outlines the 4-year state targets.

NHS Pavement Condition	4 Year State Target
<i>Percent of Interstate Pavements in Good Condition</i>	50%
<i>Percent of Interstate in Poor Condition</i>	1%
<i>Percent of Non-Interstate NHS Pavement in Good Condition</i>	35%
<i>Percent of Non-Interstate NHS Pavement in Poor Condition</i>	3%
NHS Bridge Condition	-
<i>Percent of NHS Bridges by Deck Area in Good Condition</i>	50%
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NHS Travel Time Reliability	-
<i>Percent of Person-Miles Traveled on the Interstate that are Reliable</i>	85%
<i>Percent of Person-Miles Traveled on the Non-Interstate NHS that are Reliabl</i>	80%
Interstate Truck Travel Time Reliability	-
<i>Interstate Truck Travel Time Reliability Index</i>	<1.50
Total CMAQ Emission Reduction	-
<i>VOC Total Emission Reduction</i>	69 kg/day
<i>NOX Total Emission Reduction</i>	537 kg/day

As with the adoption of the safety performance management measures, Eastgate’s TIP will program projects to address these performance targets. Projects programmed through the Surface Transportation Block Grant Program will aim to address any deficiencies in the NHS system to assure the pavement condition ratings are sufficient. This program, in addition to other funding sources available, will aim to repair bridges that are deemed to be in poor condition. The table below lists selected projects in the TIP and the anticipated effect on PM2 targets.

PM2 Performance Management Targets - Pavement Condition and Bridge Condition			
PID	PROJECT	DESCRIPTION	ANTICIPATED EFFECT ON PAVEMENT / BRIDGE CONDITION
80674	MAH Western Reserve Road (Phase I)	Widening of Western Reserve Road from Hitchcock Road to SR 7	Improved pavement condition through resurfacing
84727	TRU Bedford Road (CR 175)	Widening of Bedford Road from Stewart Sharon Road to US-62	Improved pavement condition through resurfacing
95844	TRU US 0422 13.00	Reconstruction of US 422 from Lair Avenue to Ridge Avenue	Improved pavement condition through reconstruction
98773	TRU Burnett East Road Bridge	Replace Burnett East Road Bridge over Sugar Creek	Improved bridge condition through replacement
98774	TRU Morford Road Bridge	Replace Morford Road Bridge over Stratton Creek	Improved bridge condition through replacement
98840	MAH Lowellville Road Bridge	Replace Lowellville Road Bridge over Hines Run	Improved bridge condition through replacement
98980	MAH Federal Street / Market Street	Resurfacing of Federal Street from Phelps Street to Walnut Street; resurfacing of Market Street from Front Street to Commerce Street	Improved pavement condition through resurfacing
99581	TRU Tod Avenue / Atlantic Street	Resurfacing of Tod Avenue from Market Street to Elm Hill Drive; resurfacing of Atlantic Street from Mahoning Avenue to Elm Road	Improved pavement condition through resurfacing
99595	TRU Laird / Genessee / Woodland	Resurfacing of Laird Avenue from Youngstown Road to Atlantic Street; resurfacing of Genessee Avenue from Market Street to Elm Road;	Improved pavement condition through resurfacing

		resurfacing of Woodland Avenue from Elm Road to Perkinswood Boulevard	
101707	TRU Salt Springs / South Leavitt Road	Resurfacing of Salt Springs Road from Elsworth Bailey Road to SR 45; resurfacing of South Leavitt Road from Palmyra Road to Hewitt Gifford Road	Improved pavement condition through resurfacing
101759	TRU Main Street	Resurfacing of Main Street from McCleary Jacoby Street to Erie Street, and Walnut Street to SR 11	Improved pavement condition through resurfacing
101773	MAH 12th Street	Resurfacing of 12th Street from 2,000 feet north of US 62 to 500 feet north of West Pine Lake Road	Improved pavement condition through resurfacing
102004	MAH Meridian Road Upgrade (Phase II)	Reconstruction of Meridian Road from IR 680 to Trumbull County Line	Improved pavement condition through reconstruction
104602	MAH Idora Bridge	Improvement to the Idora Bridge	Improved bridge condition through rehabilitation
104607	MAH Hopkins Road Bridge Replacement	Replacement of Hopkins Road Bridge with a 40' single span prestressed box beam structure	Improved bridge condition through replacement
104612	TRU Reserve Avenue Bridges	Rehabilitation of Reserve Avenue Bridges	Improved bridge condition through rehabilitation
104613	TRU Warner Road Bridge	Replacement of Warner Road Bridge	Improved bridge condition through replacement
104626	TRU Mecca Street	Resurfacing of Mecca Street from Wakefield Drive to Cortland North Corp Limit	Improved pavement condition through resurfacing
104634	TRU West Market Street	Resurfacing of West Market Street from SR 5/82 Interchange to Lovers Lane	Improved pavement condition through resurfacing
104635	TRU State Road	Resurfacing of State Road from SR 45 to SR 305	Improved pavement condition through resurfacing
104643	TRU Trumbull Avenue	Resurfacing of Trumbull Avenue from US 422 to Girard East Corp Limit	Improved pavement condition through resurfacing
104644	TRU East Liberty Street	Resurfacing of East Liberty Street from US 422 to Girard East Corp Limit	Improved pavement condition through resurfacing
104645	MAH Rayen Avenue	Resurfacing of Rayen Avenue from MLK Boulevard to Watt Street	Improved pavement condition through resurfacing
104652	MAH Front Street	Resurfacing and installing landscaped median of Front Street from Marshall Street to South Avenue	Improved pavement condition through resurfacing
104656	TRU Myron Street Bridge Replacement	Replacement of Myron Street Bridge	Improved bridge condition through replacement
104657	MAH Mahoning Avenue	Resurfacing of Mahoning Avenue from Meander Reservoir Bridge to Meridian Road	Improved pavement condition through resurfacing
104658	MAH South Avenue	Resurfacing of South Avenue from Western Reserve Road to Presidential Drive	Improved pavement condition through resurfacing
104659	MAH Fifth Avenue	Resurfacing and installing landscaped median of Fifth Avenue from Federal Street to Madison Avenue Expressway	Improved pavement condition through resurfacing
104866	MAH Commerce Street	Resurfacing of Commerce Street from Fifth Avenue to Federal Street	Improved pavement condition through resurfacing

Travel time reliability is one of the major concerns for travels in the Eastgate region. Community members must be able to affectively arrive at their destinations at the planned time. To help assure our trips meet the targets set, Eastgate plans projects through the Surface Transportation

Block Grant Program, the Highway Safety Improvement Program, and most importantly the Congestion Mitigation and Air Quality Program that aim to improve overall reliability. The table below lists selected projects in the TIP and the anticipated effect on PM3 targets.

PM3 Performance Management Targets - Travel Time Reliability and Emission Reduction			
PID	PROJECT	DESCRIPTION	ANTICIPATED EFFECT ON TRAVEL TIME / EMISSIONS
80192	MAH 680/164 Interchange	Construct interchange at IR 680 and SR 164	Improved travel time reliability and emission reduction through construction of new interchange and roundabout
80674	MAH Western Reserve Road (Phase I)	Widening of Western Reserve Road from Hitchcock Road to SR 7	Emission reduction through addition of two way left turn lane
85005	MAH MetroParks Bikeway (Phase III)	Construction of 6.25 mile multi-use trail from Western Reserve Road to SR 14	Emission reduction by completion of multi-use trail
95446	MAH South Avenue	Intersection improvements and signalization upgrade from Matthews Road to Midlothian Boulevard	Improved travel time reliability and emission reduction through intersection and signal upgrades
97934	TRU Tibbetts Wick	Construction of 550 foot westbound right turn lane on Tibbetts Wick Road	Improved travel time reliability and emission reduction through intersection improvements
99577	TRU North Road / Reeves Road	Intersection improvements, includes north and southbound dedicated turn lanes	Improved travel time reliability and emission reduction through intersection improvements
99586	TRU North Road / North River Road	Intersection improvements, includes north and southbound dedicated turn lanes	Improved travel time reliability and emission reduction through intersection improvements
99802	MAH Western Reserve Road Roundabout	Constructing roundabout at 5 leg intersection where Western Reserve Road, North Lima Road, and Springfield Road intersect	Improved travel time reliability and emission reduction through construction of roundabout
99804	TRU Western Reserve Greenway (Phase IV)	Construct Phase IV of the Western Reserve Greenway Bike Trail	Emission reduction by completion of multi-use trail
102541	TRU East Market Street / North Road	Intersection improvements at East Market Street and North Road, includes exclusive westbound right turn lane	Improved travel time reliability and emission reduction through intersection improvements
102542	MAH Youngstown Signals	Signal upgrade at 17 locations throughout the city	Improved travel time reliability and emission reduction through signal upgrades

Eastgate will continue to work with its local officials as well as ODOT to identify, apply for, and program projects through various funding sources to address the PM2 and PM3 performance management targets.