



243 High Street Rm. 110
Morgantown, WV 26505
(304) 291-9571
www.plantgether.org

Memorandum

Date: April 29, 2019

To: Transportation Technical Advisory Committee Members

From: Bill Austin, AICP

Subject: May 7, 2019 TTAC Meeting Agenda Items

This memorandum is to inform you of the action items for the May 7th Transportation Technical Advisory Committee Meeting to be held in the MPO's Offices 243 High Street at 1:30 PM.

-Performance Measures-A draft of the MPO's planned performance measures was provided to the TTAC at the last meeting. Since that meeting staff has revised the impact ranking system by making it a five point scale, otherwise no details of the process have changed. Please find enclosed with the agenda packet PowerPoint presentation explaining the process and the evaluation of the MPO's Tier One projects for your review. The MPO must adopt our performance measures in our Transportation Improvement Program and Metropolitan Transportation Plan at the May meeting. It is respectfully requested that the TTAC recommend the adoption of these performance measures to the MPO Policy Board.

-Draft Public Involvement Policy Amendments-A recent proposal to amend the Metropolitan Transportation Plan have identified the need to refine the MPO's Public Involvement Policy. During the discussion of this issue two primary concerns with the Policy were identified: First, making sure that the members of the MPO's Committees are aware of any public meetings associated with proposed projects or changes to the MPO's MTP and TIP. The second issue is identifying the process needed to amend the MPO's MTP, particularly the fiscally constrained Tier One Project list. The draft language for the PIP Amendment follows this memorandum. It is respectfully requested that the TTAC recommend amending the PIP using the draft language provided.



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Agenda

Transportation Technical Advisory Committee Meeting
MPO Offices
243 High Street Room 110
Morgantown WV
May 7, 2019
1:30 PM

1. Call To Order
2. Approval of Minutes
3. Metropolitan Transportation Plan Performance Measures
4. Draft Public Involvement Policy Amendments
5. Update on Bicycle and Pedestrian Study
6. Other Business
7. Meeting Adjournment

Unless specifically mentioned below, all of the items considered by the Policy Board will be publicly reviewed by these Committees as part of this Public Involvement Process.

How a transportation project get approved at the MMMPO



All notices publicized on the MMMPO's website will also be forwarded to all MPO standing committee members and a list of public outlets and stakeholders established in a list of media agencies to be kept by MMMPO staff. A preliminary list of these agencies is included as Appendix 2 of this document.

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Committee meetings will be to review the results of the public forums and to receive public comment. It is anticipated that unless the draft Plan is found to need major revisions, the Steering Committee will release the draft LRTP/MTP for a forty five (45) day final comment period before consideration by the MPO Policy Board. In addition to advertisements published a minimum of one (1) week in advance of required meetings, all public outreach activities will include the use of non-traditional media including but not limited to social media such as Facebook and Twitter and similar websites to solicit input and to advertise public involvement activities including meetings. Materials prepared for the MTP will include the use of visualization techniques to assist the public in understanding proposals.

- 4) All public comments received during the comment period will be summarized and presented to the MPO’s Committee’s and the Policy Board for consideration prior to adoption of the Plan. The summarized comments will be included in an appendix to the Plan.

Amendments to the LRTP/MTP

Amendments to the LRTP/MTP **to include a new non-Tier One project-will** require a thirty (30) day public notification for any potential significant change to the LRTP/MTP. **A proposal to modify the LRTP/MTP, fiscally constrained Tier One Project List must include recommendations for projects to be removed or adjusted to meet the fiscal constraint requirements of the Tier One List. The public must be allowed a minimum 30 day comment period and a minimum of two public meetings on the proposed new project and the project(s) proposed to be impacted by the proposed change to the Tier One List. The MPO Policy Board meeting may be one of the two required public meetings.** Minor amendments, meaning those that do not substantially impact the purpose and/or need of a project, require the same notification as a TIP Amendment. This notification will be made to the MMMPO’s media and stakeholders list.

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Transportation Improvement Program Adoption and Amendment

		Committees. Policy Board adoption of draft at subsequent meeting.	Policy Board meeting.
Unified Planning Work Program (UPWP)	Noticed as part of 3 regular MPO Committee meetings notices.	Advertised for input as part of regular MPO Committee meeting process beginning in November.	9 regular MPO Committee public meetings (3 TTAC, 3 CAC, 3 Policy Board)
Participation Plan	Newspaper, social media, email distribution list	45 day notice for public comment prior to adoption	Review comments at MPO Committees
Plan/Program Amendments			
Metropolitan Transportation Plan (MTP)	Newspaper, social media, email distribution list	30 day notice for public comment prior to the addition adoption of any non-Tier One Project. When amending the fiscally constrained Tier One Project List a proposed project must have at least two public meetings and the amendment must include the existing projects to be impacted by the addition of the proposed project.	Review comments at MPO Committees
Transportation Improvement Program (TIP)	Newspaper, social media, email distribution list	15 day notice for public comment prior to adoption	Review comments at MPO Committees
Unified Planning Work Program (UPWP)	Noticed as part of 3 regular MPO Committee meetings notices.		Review comments at MPO Committees

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MINUTES

MPO Transportation Technical Advisory Committee
MMMPO Conference Room
243 High St. Room 110, Morgantown, WV
March 5, 2019, 1:30 PM

Members Present

Bill Austin, Rich Wood, Brian Carr, Damien Davis, Dave Bruffy, John Whitmore

Others Present

Jing Zhang

1. Call to Order

With a quorum present, Mr. Austin called the meeting of the TTAC to order at 1:30 PM.

2. Approval of the Minutes

Mr. Austin noted that the minutes of the last meeting were included in the agenda packet. Mr. Bruffy moved to approve the minutes as presented, seconded by Mr. Carr. With no discussion, the motion was unanimously approved.

3. Transportation Improvement Program Amendments

Mr. Austin noted that the Division of Highways has requested three TIP Amendments. They are CO 73 Smithtown Road resurfacing project, WV 7 resurfacing project, and CO 61/02 Pineview Drive/Riddle Ave resurfacing project. A map of the proposed project locations is included in the agenda package. Mr. Wood moved to recommend approval of the proposed amendments to the MPO's Policy Board; seconded by Mr. Bruffy. With no discussion, the motion was unanimously approved.

Mr. Austin noted that the Mountain Line Transit Authority has requested that TIP be amended to include an updated funding schedule. The new funding table was included in the agenda package. Mr. Bruffy noted that the funding is mainly about purchasing new buses and maintaining existing fleet. Mr. Carr moved to recommend approval of the proposed amendments to the MPO's Policy Board; seconded by Mr. Bruffy. With no discussion, the motion was unanimously approved.

4. FY 2019-2020 Unified Planning Work Program

Mr. Austin noted that the draft FY 2019-2020 Unified Planning Work Program (UPWP) was included in the agenda package. The draft UPWP includes continuing the Bicycle and Pedestrian Study which should be completed by the fall of 2020. Staff will also work on performance measure, transportation equity group project, and a transit study initiated by the Mountain Line Transit Authority.

Mr. Wood moved to recommend approval of the UPWP as presented to the MPO's Policy Board; seconded by Mr. Bruffy. With no discussion, the motion was unanimously approved.

5. Draft Metropolitan Transportation Plan Performance Measures

Mr. Austin noted that the MPO staff has drafted an evaluation report for the Metropolitan Transportation Plan performance measures. Mr. Austin noted that the evaluation methods may be improved based on the input from the TTAC and CAC during April. The MPO must adopt our performance measures in our Transportation Improvement Program and Metropolitan Transportation Plan at the May meeting. Mr. Austin noted that the Congestion Mitigation and Air Quality Measures are not required for performance measure evaluation. However, projects proposed in the MPO's Metropolitan Transportation Plan address traffic congestion issues to various degrees. By including CMAQ measures as a part of the evaluation, the assessment will provide a more comprehensive understanding of the projects impact to the transportation system in the region. Mr. Bruffy suggested that staff make a short presentation at the Policy Board meeting in May on this issue. Mr. Carr noted that it would be helpful to have an example showing how the calculations were made.. Mr. Austin agreed and noted that MPO staff will make a PowerPoint demonstrating the process.

6. Draft Mountain Line Study RFQ

Mr. Austin noted that a draft version of the Mountain Line Transit Study Request for Qualifications was included in the agenda package. The MPO will participate in the conduct of this Study. It is anticipated that the final version of this RFQ will be reviewed for approval by the MPO's Committees in the May. Mr. Bruffy noted that the Study will identify alternatives to current transit network that could best serve the local community. The study will evaluate, but not limited to, the bus rapid transit route, new bus terminals, and more frequent service in strategic areas of the region. It was the consensus of the TTAC that the RFQ was ready to be presented to the Policy Board for approval.

7. Update on Status of Bicycle and Pedestrian Study

Mr. Austin noted that a public meeting was held on February 5 at the Metropolitan Theater on High Street. The meeting was very productive in identifying community interests and opportunities for improvements. The consultant will hold a steering committee meeting next week to discuss identified goals and objectives of the study. Currently, the online mapping platform has received more than 400 comments. More intensive public involvement will be conducted in May.

8. Other Business

No other business.

9. Meeting Adjournment

The meeting adjourned at 2:15 PM.



MMMPO Performance Measures Index Methodology



Project Performance Measures

Federal Legislation mandates that MPO's identify how the plans and projects they include in the TIP address Federally mandated performance measures. Those performance measure categories are:

1. Interstate/Non-Interstate NHS Pavement Condition
2. NHS Bridge Condition
3. System Performance
4. Freight Movement
5. Congestion Mitigation and Air Quality Measures*
6. Safety Performance

*Congestion Mitigation and Air Quality Measures are NOT required for performance measure evaluation by MPO's in air quality attainment areas. However, projects proposed in the MPO's Metropolitan Transportation Plan address traffic congestion issues to various degrees. By including CMAQ measures as a part of the evaluation, the assessment will provide a more comprehensive understanding of the projects impact to the transportation system in the region.



Why We Are Doing This

- **Demonstrate Tier 1 projects' contribution to the State Performance Measures**

Other Applications

- **Demonstrate a project's contribution to the State Performance Measures for**
 - Non-tier 1 projects in the MPO's Metropolitan Transportation Plan
 - Projects listed in the MPO's Transportation Improvements Program
 - Potential projects requested to be amended to the MPO's Metropolitan Transportation Plan
 - Projects that are not directly involved in the MPO's planning process, but contribute to the MPO's performance measures.
- **Provide information for evaluating and comparing projects**
 - Metropolitan Transportation Plan Update
 - Transportation Improvement Program Amendment



EXAMPLE

Willey St Improvements

Tier 3

\$13 million

Location: High Street to WV-705

Purpose: To increase traffic capacity of Willey Street and to improve auto capacity and pedestrian and bike traffic flow from neighborhoods to downtown and the Mileground.

Improvements:

- Add capacity through key turn lane additions and intersection improvements
- Add key connections to complete the sidewalks
- Widen lanes to 15 feet on inclines for adequate bicycle overtaking width
- Improve geometry (sight distance, curvature, lane widths, shoulders, etc.)
- Provide bus stops and shelters at key locations.



Step 1: Evaluate the Impact

	1. Interstate/Non-Interstate NHS Pavement Condition				2. NHS Bridge Condition		3. System Performance		4 Freight Movement		5. Congestion Mitigation and Air Quality Measures	6. Safety Performance					
	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	4.1	4.2	5.1	6.1	6.2	6.3	6.4	6.5	6.6
Impact 1 to 5	0	0	3	1	0	0	0	3	0	3	2	4	4	4	4	4	4

Based on 1 to 5 scale: 1 for the lowest impact and 5 for the highest impact



Step 2-a: Decide the Weight of Each Category of Measures

12 Points 1. Interstate/Non-Interstate NHS Pavement Condition

12 Points 2. NHS Bridge Condition

12 Points 3. System Performance

12 Points 4. Freight Movement

12 Points 5. Congestion Mitigation and Air Quality Measures*

12 Points 6. Safety Performance



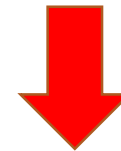
Step 3: Calculate Index Value

	1. Interstate/Non-Interstate NHS Pavement Condition				2. NHS Bridge Condition		3. System Performance		4 Freight Movement		5. Congestion Mitigation and Air Quality Measures	6. Safety Performance					
	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	4.1	4.2	5.1	6.1	6.2	6.3	6.4	6.5	6.6
Impact 1 to 5	0	0	3	1	0	0	0	3	0	3	2	4	4	4	4	4	4
Weight	3	3	3	3	6	6	6	6	6	6	12	2	2	2	2	2	2
Index	0	0	9	3	0	0	0	18	0	18	24	8	8	8	8	8	8

Index Value = Evaluation Value (Step 1) X Weight (Step 2-b)

Step 4: Calculate the Project Index Value

	1. Interstate/Non-Interstate NHS Pavement Condition				2. NHS Bridge Condition		3. System Performance		4 Freight Movement		5. Congestion Mitigation and Air Quality Measures	6. Safety Performance					
	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	4.1	4.2	5.1	6.1	6.2	6.3	6.4	6.5	6.6
Impact 1 to 5	0	0	3	1	0	0	0	3	0	3	2	4	4	4	4	4	4
Weight	3	3	3	3	6	6	6	6	6	6	12	2	2	2	2	2	2
Index	0	0	9	3	0	0	0	18	0	18	24	8	8	8	8	8	8



Index Value: 120

Project Index Value = Sum of all Index Values for that Project

Step 5: Calculate the Project Index/Cost Ratio

	1. Interstate/Non-Interstate NHS Pavement Condition				2. NHS Bridge Condition		3. System Performance		4 Freight Movement		5. Congestion Mitigation and Air Quality Measures	6. Safety Performance					
	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	4.1	4.2	5.1	6.1	6.2	6.3	6.4	6.5	6.6
Impact 1 to 5	0	0	3	1	0	0	0	3	0	3	2	4	4	4	4	4	4
Weight	3	3	3	3	6	6	6	6	6	6	12	2	2	2	2	2	2
Index	0	0	9	3	0	0	0	18	0	18	24	8	8	8	8	8	8

Index Value: 120

\$13 million



Index/Cost Ratio = 9.23

Willey St Improvements

	1. Interstate/Non-Interstate NHS Pavement Condition				2. NHS Bridge Condition		3. System Performance		4 Freight Movement		5. Congestion Mitigation and Air Quality Measures	6. Safety Performance					
	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	4.1	4.2	5.1	6.1	6.2	6.3	6.4	6.5	6.6
Impact 1 to 5	0	0	3	1	0	0	0	3	0	3	2	4	4	4	4	4	4
Weight	3	3	3	3	6	6	6	6	6	6	12	2	2	2	2	2	2
Index	0	0	9	3	0	0	0	18	0	18	24	8	8	8	8	8	8

Step 4

Index Value: 120

Step 5

Index/Cost Ratio = 9.23



Tier 1 Projects' Contribution to the State's Performance Measures

Est. Cost	Project Name	Index	Index/Cost Ratio
120	I-79 Access Improvement Phase I	256	2
9	Earl Core Road (WV 7)-Northern Section	154	17
36	University Ave Corridor Improvements Phase 1	128	4
11	Fairmont Rd/Holland Ave Improvements Phase I	126	11
1	Northside Connector Bus Rapid Transit	114	114
3	West Run Rd Improvements-Eastern Section	90	30
12	Stewartstown Rd Improvements	88	7
3	Grumbein's Island Grade Separation	74	25
0.9	Grant Ave Bicycle/Pedestrian Connector	38	42

System-wide Impact

Est. Cost (Million)	1. Interstate/Non- Interstate NHS Pavement Condition				2. NHS Bridge Condition		3. System Performance		4 Freight Movement		5. Congestion Mitigation and Air Quality Measures	6. Safety Performance					
	1.1	1.2	1.3	1.4	2.1	2.2	3.1	3.2	4.1	4.2	5.1	6.1	6.2	6.3	6.4	6.5	6.6
Sub Category	0	0	60	30	0	0	24	192	90	96	300	40	40	40	40	58	58
Main Category	90				0		216		186		300	276					
Total	1068																