



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

Agenda

Transportation Technical Advisory Committee Meeting
MPO Offices
243 High Street Room 110
Morgantown WV
October 13, 2020
1:30 PM

1. Call To Order
2. Approval of Minutes
3. Mountain Line Transit Study Scope of Work Amendment
4. TIP Amendments
5. Performance Measures
 - a. Highway Safety Performance Measures (Action Item)
 - b. Transit Asset Management Performance Measures (Action Item)
 - c. Transit Safety Performance Measures (Informational)
6. Discussion of upcoming Transportation Plan Update and Comprehensive Plans
7. Other Business
8. Meeting Adjournment



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Memorandum

Date: October 7, 2020
To: Transportation Technical Advisory Committee Members
From: Bill Austin, AICP
Subject: October 13, 2020 TTAC Meeting Agenda Items

This memorandum is to inform you of the action items for the October 13, 2020 Transportation Technical Advisory Committee Meeting to be held by Webex in the MPO's Offices 243 High Street at 1:30 PM. A link to connect to the meeting was included in the agenda transmittal email.

-Transit Study Scope of Work Amendment- With support from the WVU, the City of Morgantown, and the MPO, Mountain Line Transit successfully applied for a Accelerating Innovative Mobility (AIM) grant from the Federal Transit Administration. The purpose of the grant is to identify unified fare collection mechanisms that could potentially work for Mountain Line, WVU and the Morgantown Parking Authority. Each agency using the same fare collection system could create cost savings and encourage increased usage of each agencies facilities, Another potential benefit of the additional work could be the identification of methods of collecting fares that could minimize the potential for exposure to contamination. The draft scope of work for the project is included with this agenda packet. It is respectfully requested that the TTAC recommend the amendment of the Scope of Work for the Transit Study to include this additional work.

-Proposed TIP Amendments- The West Virginia Department of Transportation Division of Highways and Mountain Line Transit have proposed the following Transportation Improvement Program amendments:

West Virginia Department of Transportation Division of Highways

FY 2020

Add

**Fairchance Road (CO857)-Construction-Resurfacing-Project Number S331857124300-CR 857 to PA line-2.5 Miles
Total Cost \$372,000 GO Bond, Federal Funds \$0**

**Daybrook Road (WV 218)-Construction-Resurfacing-Project Number S33121800000-Marion County Line to CR 25-
5.88 Miles Total Cost \$880,000 Federal Funds \$0**

**Pedlar Run-Hagans Road (CO37)-Construction-Resurfacing-Project Number S3313700000-US 19 to CR 37/10-
4.87 Miles Total Cost \$1,407,538 Federal Funds \$0**

FY 2021

Add

Burroughs Street (CO 59/2)-Construction-Install ADA Ramps-Project Number STP0592001D-4.4 miles Total Cost \$954,000 Federal Funds \$763,200

I-79 Westover Bridge-Bridge Rehabilitation-Replace Pier, Replace Deck joints-

Engineering Project Number STP0792204DTC Total Cost \$15,000 Federal Funds \$13,500

Construction Project Number STP0792205DTC-0.5 miles Total Cost \$1,100,000 Federal Funds \$990,000

FY 2022

Add

Holland Avenue (WV 100)-Construction-Install ADA Ramps Design/Build-Project Number STP0100157D-2.4 miles Total Cost \$783,000 Federal Funds \$626,400

FY 2025 (Informational)

Add

University Avenue (CO055)-Construction-Install ADA Ramps Design/Build-Project Number STP0055052D-1.33 miles Total Cost \$1,593,000 Federal Funds \$1,274,400

A map of the projects locations was included with the agenda packet email. It is respectfully requested that the TTAC recommend approval of the proposed TIP Amendments to the MPO Policy Board.

In addition to the WVDOH requested TIP Amendments Mountain Line Transit has requested the following TIP Amendments. Funding for this amendment comes from an Accelerating Innovative Mobility grant from the Federal Transit Administration.

Mountain Line Transit has requested the following TIP Amendment:

2021 ADD

Accelerating Innovative Mobility Funding

Accelerating Innovative Mobility Funding \$50,000, \$40,000 Federal Funds, \$10,000 Local Funds

These funds are a grant from the Federal Transit Administration to expand the scope of the ongoing Transit Study to develop a plan for coordinated fare and fee collection with other local partners. A copy of the scope of work for this item is included in the agenda packet. It is respectfully requested that the TTAC recommend approval of the proposed TIP Amendments to the MPO Policy Board.

Performance Measures

A) Highway Safety Performance Measures

State's are required to adopt goals for these Performance measures to document progress in achieving national goals. Metropolitan Planning Organizations are asked to adopt a portion of the State goals and or their own goals to assist states in achieving progress toward their attainment. Specifically MPO's are

asked to adopt the Highway Safety goals. The West Virginia Department of Transportation's Division of Highways has identified the following safety goals:

- 1) Reduce five year average fatalities on highways by 50% by 2030
- 2) Reduce the five year average number of serious injuries on highways by 66% by 2030
- 3) Reduce the five year average fatality rate per hundred million miles of traveled (HMVMT) by 50% by 2030
- 4) Reduce the five year average injury rate per hundred million of miles of travel (HMVMT) by 66% by 2030
- 5) Reduce the five year average of non-motorized fatalities and injuries:
 - a. Reduce fatalities by 50%
 - b. Reduce non-motorized serious injuries by 66% by 2030

The State's progress toward meeting these goals is fully documented in the letter attached to the Agenda package. The achievement of goals for 2020 cannot be summarized since the year is not complete. For comparison purposes how the goals for the period ending in 2019 are documented below each proposed goal.

To reach these targets the Division of Highways has established the following targets for the next year.

- 1) Target 2017-2021 Traffic fatalities-263.70

The previous target goal for this metric was not met. The goal for previous period (2015-2019) was 271.4. The actual number of fatalities was 274.2

- 2) Target 2017-2021 Number of serious injuries over a 5 year period 1002.4

The previous target goal for this metric (2015-2019) was met with a target goal of 1123.5 and an actual number of 1077.8.

- 3) Target 2017-2021 Fatality Rate over a five year period 1,457

The previous target goal for this metric (2015-2019) was met with a target goal of 1,470 and an actual rate of 1,459.

- 4) Target 2017-2021 Injury Rate over a five year period 5,023

The previous target goal for this metric (2015-2019) was met with a target goal of 5629 and an actual rate of 5619.

- 5) Target Non-motorized fatalities and serious injuries (2017-2021) 86.2

The previous year's target goal for this metric (2016-2020) was not met with a target of 91.6 and the actual number of 96.8.

It is respectfully requested that the TTAC recommend adoption of the 2017-2021 Highway Safety Performance measures to the MPO Policy Board.

B) Transit Asset Management Goals

Similar to the requirements put on states for the maintenance of bridges transit providers are to develop performance measures and goals for the maintenance of their vehicles, infrastructure and equipment. For the purposes of these measures transit providers have to maintain a "State of Good Repair". A state of

good repair is defined as all assets operating at their ideal capacity within their design life. Being such a small state the WVDOT Division of Public Transit works with the transit systems around the state to develop the performance measures and target goals for the state’s public transportation providers. The table below identifies the goals targets for 2021.

Category	Class	Performance Measure	Dependency	2020 Targets	2020 Actual	2021 Targets
Rolling Stock	12 Year/500K Miles	SGR %	TAM Plan	94%	99%	100%
	10 Year/350K Miles	SGR %	TAM Plan	85%	95%	96%
	7 Year/200K Miles	SGR %	TAM Plan	85%	79%	82%
	5 Year/150K Miles	SGR %	TAM Plan	88%	88%	90%
	4 Year/100K Miles	SGR %	TAM Plan	89%	89%	90%
AVIS						
WVDOT System Reviews						
Facility	Admin, Maintenance, Storage	SGR %	WVDOT System Reviews	100%	100%	100%
	Transfer Center	SGR %	AVIS	100%	100%	100%
Equipment	Support Vehicles	SGR %	WVDOT System Reviews AVIS	77%	94%	95%
	Maintenance Equip	SGR %		100%	45%	50%

SGR-State of good repair, TAM-Transit Asset Management, AVIS-West Virginia’s asset management system

It is respectfully requested that the TTAC recommend the adoption of the Transit Asset Management targets for 2021 to the MPO Policy Board.

C) Transit Safety Performance Targets

As part of the same legislation that mandates the Highway Performance Measures the Federal Transit Administration is required to mandate that State and local transit agencies adopt Safety performance measures to ensure that Federal funding is meeting goals for efficiency and safety. **The MPO does not have to adopt these performance measures**, however we do have to take them into account as we move forward with our planning efforts. Please find Mountain Line’s performance measures for the Public Transportation Safety Plan.

Bus Service

-Fatalities-Total Number of fatalities per year and the fatality rate per million revenue miles

Number of fatalities per year-0

Number of fatalities per 1,000,000 vehicle revenue miles-.05

-Injuries-Total number of injuries per year and injuries per million revenue miles

Number of injuries per year less than 12

Number of injuries per 1,000,000 revenue miles less than 10

-System Reliability-Measured as revenue miles operated divided by the number of mechanical failures

-Distance between major failures greater than 80,000 miles

-Distance between minor failures greater than 3,200

Demand Response Service

-Fatalities-Total Number of fatalities per year and the fatality rate per million revenue miles

Number of fatalities per year-0

Number of fatalities per 1,000,000 vehicle revenue miles-.05

-Safety Events-Total number of events per year and per million revenue miles

Number of major/minor events per year less than 1

Number of major/minor events per 1,000,000 revenue miles less than 10

-System Reliability-Measured as revenue miles operated divided by the number of mechanical failures

-Distance between major failures greater than 80,000 miles

-Distance between minor failures greater than 3,200

-Discussion of upcoming Transportation Plans and Comprehensive Plan Updates-It has been almost 10 years since the most comprehensive update of the area's transportation plan, the Crossroads planning effort. This effort included the development of updated Comprehensive plans for the City of Morgantown and the town of Star City. These comprehensive plans as well as the Comprehensive Plans for Westover, Granville and Monongalia County are all due for an update in 2022. MPO Staff is proposing that the area's municipalities as well as Monongalia County update their comprehensive plans in conjunction with the update the area's Metropolitan Transportation Plan in a single effort that would develop updated land use for use in the MPO's regional travel demand model. The MPO would use transportation planning funds to supplement the local funds public involvement in the development of the Comprehensive plans to more efficiently develop all of the plans. The purpose of this discussion is to determine the interest of the area's municipalities and Monongalia County in participating in this effort.