



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
March 10, 2020
1:30 PM

1. Call To Order
2. Approval of Minutes
3. Introduction of new employee
4. Draft TIP
5. Draft Unified Planning Work Program
6. Bicycle and Pedestrian Plan Amendment
7. 2019 Traffic Count Report
8. Update on Mountain Line Transit Study
9. Other Business
10. Meeting Adjournment



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Memorandum

Date: March 4, 2020

To: Transportation Technical Advisory Committee Members

From: Bill Austin, AICP

Subject: March 10, 2020 TTAC Meeting Agenda Items

This memorandum is to inform you of the action items for the March 10, 2020 Transportation Technical Advisory Committee Meeting to be held in the MPO's Offices 243 High Street at 1:30 PM.

-Draft TIP-Please find enclosed with the Agenda packet the TIP. The MPO needs to adopt a new TIP at the March meeting to be fully coordinated with the new adopted State Transportation Improvement Program. The revised TIP does not reflect significant changes to the existing projects. However, several completed projects were removed from the tables. The most significant change to the TIP is that it includes two tables identifying the same projects. The first table identifies the projects by identification number and map ID. The second table shows the projects by the date that they were included in the TIP and the date (if any) funds have been obligated to projects.

The MPO made the revised TIP table available to the public in mid-January to meet the requirements of the MPO's Public Involvement Policy. To date the draft TIP has received no public comments. It is respectfully requested that the TTAC recommend approval of the TIP to the Policy Board.

-Draft 2020-2021 Unified Planning Work Program-Please find enclosed the draft FY 2020-2021 Unified Planning Work Program. The primary new initiative in the UPWP is the beginning of the update of the Metropolitan Transportation Plan to reflect an updated regional travel demand model, a new effort to identify the community's goals and objectives and to incorporate the results of the ongoing transit study and the recently adopted Bicycle and Pedestrian Plan into the Highway element of the MTP. This is the TTAC's second review of the draft UPWP. It is respectfully requested that the TTAC's recommend the adoption of the UPWP to the MPO Policy Board.

-Bicycle and Pedestrian Plan Amendment- At the time they adopted the Bicycle and Pedestrian Plan the MPO Policy Board had concerns about the addition of some projects in the Plan. The MPO's consultants agreed to hold a session for the Policy Board to review the projects in the Plan and to express their priorities and their concerns. This review session was held January. Please find included with the agenda packet the additional information added to the Bicycle and Pedestrian plan from the Policy Boards session with the consultants as shown on a two page handout. This information includes the Board's direction on their preferred projects and

they Board's recommended criteria for evaluating new projects for the priority list. Due to its size you may download the entire Bicycle and Pedestrian Plan from the Dropbox link below:

https://www.dropbox.com/s/i32oyaufsr14nmh/Morgantown_FinalPlan_20200227_lowres.pdf?dl=0

The MPO will be providing the MPO's each of the MPO's member jurisdictions and agencies with a hard copy and a digital copy of this document. A copy of the Executive Summary of the document reflecting these changes is also available.

MPO staff is requesting that the TTAC recommend approval of an amendment to the Bicycle and Pedestrian Study revisions resulting from the Policy Board's meeting with the consultant team and the addition of sidewalk on a small portion of Willey Street which was initially accidentally left off of the original plan.

-2019 Traffic Count Report-Please find enclosed a copy of the MPO's most recent traffic count report. As the MPO has done every three years. this report includes a summary of the counts taken over the last three years. This report includes directional volumes, peak period factors, and percent change in traffic for the one year and three year time periods. The report also includes the percent truck traffic at selected locations. We feel this full featured report has been improved since it was last done three years ago.

It is respectfully requested that the TTAC recommend acceptance of this report to the Policy Board at their March 19th meeting.



MINUTES
MPO Transportation Technical Committee Meeting
MMMPO Conference Room
243 High St. Room 110, Morgantown, WV
January 7, 2019, 1:30 PM

Members Present

Bill Austin, Andrew Gast-Bray, Chris Fletcher, John Whitmore, Damien Davis,

Others Present

Drew Gatlin, 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. Gast-Bray moved to approve the minutes as presented, seconded by Mr. Davis. With no discussion, the motion was approved.

3. Draft TIP Tables

Mr. Austin noted that a draft table developed for the TIP update was included in the agenda package. The MPO needs to adopt a new TIP at the March meeting to be fully coordinated with the State Transportation Improvement Program. Mr. Austin noted that MPO staff adjusted the table's format to include information on performance measures, MTP goals, and project types. The DOH intends to remove the obligated projects from the TIP project list, but MPO inclined to keep those projects in order to track their progress. Mr. Gast-Bray noted that some projects with same names and different phases can be combined into same row for a clearer presentation to the public.

4. Draft Unified Planning Work Program

Mr. Austin noted that the draft FY 2020-2021 Unified Planning Work Program is included in the agenda package. The primary new initiative in the UPWP is the beginning of the update of the Metropolitan Transportation Plan to reflect an updated regional travel demand model, a new effort to identify the community's goals and objectives and to incorporate the results of the ongoing transit study and the recently adopted Bicycle and Pedestrian Plan into the Highway element of the MTP. The MPO is in the process of hiring an employee with primary duty on public involvement. It will be a shared position with the county. Mr. Austin noted that this is the TTAC's first review of the draft UPWP. It will be presented for the TTAC's recommendation for adoption at the March CAC meeting.

5. Draft Performance Metrics

Mr. Zhang made a brief presentation on the draft performance metrics identified by MPO staff. He noted that major resources used in developing the metrics are FHWA Community Vision Metrics Tool and pertinent case studies. Mr. Austin noted that those potential metrics could be useful for the MPO to develop local performance measures as a part of the MMMPO Metropolitan Transportation Plan and Transportation Improvement Program.

Mr. Gast-Bray noted that the metrics should be constructed in a way that they provide long lasting value to track the development in the area. He noted that some metrics are not suitable to establish a standard to which performance has to be optimized, even though those metrics are useful tools to measure the performance in general. Mr. Austin agreed and noted that effective metrics should reflect the characteristics of this community and can provide meaningful information in project prioritization process.

7. Other Business

Mr. Austin noted that some policy board members have concerns over certain projects recommended in the Pedestrian and Bicycle Plan. The board will meet to discuss those issues and to finalize the project prioritization in the plan. Mr. Austin noted that the prioritization will give MPO staff a clear direction to implementing the plan, but it will not affect the eligibility of low tier projects to apply for funding.

Mr. Davis asked if the bicycle projects and pedestrian projects will be prioritized separately. Mr. Austin noted that they will be prioritized under separate categories. In addition, the projects will be grouped by jurisdictions, so each municipality will have its own priority list. For the City of Morgantown, projects are further divided into state-maintained roads and city-maintained roads.

Mr. Fletcher noted that the capital improvement plan will be helpful for the City to develop a funding scheme to maintain and repair existing sidewalks and to build new sidewalks.

9. Meeting Adjournment

The meeting adjourned at 2:25 PM.

UNIFIED PLANNING WORK PROGRAM

DRAFT FISCAL YEAR 2020 – 2021



Adopted:

Amended:

Monongalia County Courthouse
243 High Street Room 110
Morgantown, WV 26505
(304) 291-9571 phone
(304) 291-9573 fax

INTRODUCTION

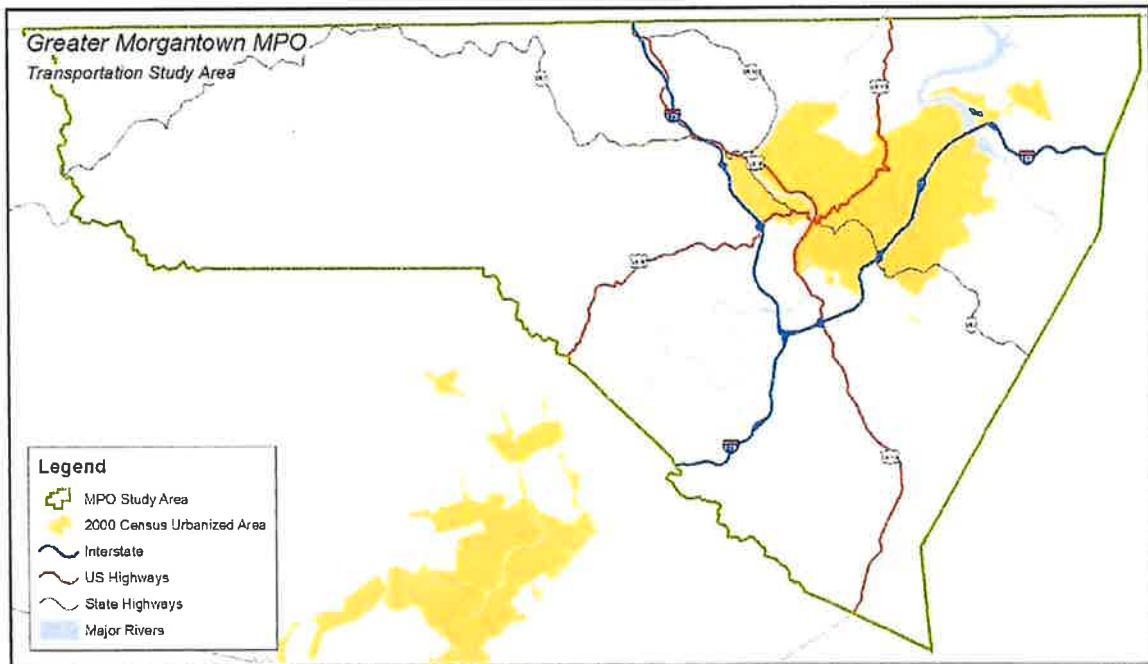
In accordance with Federal Regulations this document outlines the budget for the Morgantown Monongalia MPO for Fiscal Year 2020-2021 which begins July 1, 2020. In addition to identifying the funding sources for work to be performed in the upcoming year it also fulfills the requirement that the MPO provide a summary of the work the MPO has performed in the previous fiscal year.

STUDY AREA

The Morgantown Monongalia MPO covers Monongalia County including the municipalities of Blacksville, Granville, Morgantown, Star City, and Westover.

The MPO's Policy Board includes representatives from:

1. Monongalia County (pays one half of any local match requirements) - three county commissioners
2. City of Morgantown (pays one half of any local match requirements) - three council members
3. City of Westover — one elected representative
4. Town of Star City — one elected representative
5. Town of Granville — one elected representative
6. Town of Blacksville — one representative
7. Mountain Line Transit Authority — one representative
8. Monongalia County Board of Education — one representative
9. West Virginia University — one representative
10. West Virginia Department of Transportation — MPO liaison



Accomplishments

During Fiscal Year 2019-2020 the Morgantown Monongalia MPO staff worked with the West Virginia Department of Transportation and the area's local governments to improve transportation in the area. The MPO's efforts were focused on the implementation of the area's 2045 Long Range Transportation Plan and defining the projects identified in that Plan. Please find below a short description of these activities.

The largest undertaking during FY 2019-2020 has been the planning process for the development of a comprehensive Bicycle and Pedestrian Plan update. This project is an expanded version of the pedestrian plan that was originally proposed in the 2018-2019 UPWP. It was developed in response to much greater community concern about bicycle and pedestrian safety resulting from several incidents. The Plan update was completed in FY 2019-2020.

Other work performed by MPO Staff during the FY 2019-2020, included:

Participation in the development of several Preliminary Investigation and Environmental Studies for four programmed projects. These projects were the West Run Widening Project, the Van Voorhis Widening project, the Greenbag Road Widening project, and the Beechurst Avenue spot improvement project. This work included coordination with various stakeholders including Mountain Line Transit, WVU, and the various jurisdictions where the projects are located.

MPO Staff also worked to keep the University Avenue/Collins Ferry Road intersection improvement project and the WV 7/ SR 857 intersection project moving forward. Staff also worked to keep the MPO Policy Board informed of the construction process for the Mileground Widening project. Though since the latter project is in the right of way acquisition process the MPO's ability to impact the project progress is limited.

In addition to project work MPO staff performed several duties to maintain traffic related databases these databases include an annual traffic count program and an accident database. The 2019 traffic counts were taken in April and October to allow for the development of peak period factors. The accident database was updated using additional data available from the WVDOH. It should be noted that due to budgetary constraints the MPO's data collection efforts were slightly curtailed by reducing the number of count locations from approximately 72 locations to approximately 58 locations. It is not anticipated that this reduction in counts will noticeably affect the primary purpose of the count program which is to develop a database for the validation and calibration of the MPO's regional travel demand model.

MPO Staff developed the scope of work and issued a Request for Qualifications for Mountain Line Transit's Short to Medium range operations study. The Study consultant was selected and the project initiated. Staff has provided support to this effort as the study has progressed.

The MPO has been working to implement Regional Transportation Demand Management program. During FY 2014-2015 MPO staff working with Mountain Lines Mobility Coordinator instituted a

coordinated advertising campaign and a redefined incentive package for new van pools. The momentum from this effort continued in FY 2019-2020 when as of this writing two van pools are participating in the van pool program with seven van pools having exhausted their eligibility to receive funding from the MPO's grant. It is our estimation that 7 of the 9 vanpools that completed participation in the MPO's vanpool incentive program are still operating as of this writing. There are another 2 vanpools currently operating with the MPO's subsidy. MPO Staff sought funding for the continuation of this initiative.

MPO Staff continued working with a WVU Health Policy professional on developing a guidebook to the transportation planning process and how underserved persons can work with the MPO. Topics to be discussed in the guidebook include the Long Range Planning process, transportation performance measures, MPO operations, and public involvement. The guidebook is aimed at underserved communities.

During FY 2019-2020 MPO Staff also assisted Monongalia County, and the City of Morgantown in evaluating the impact of ongoing development on the transportation network as new development is proposed. MPO Staff also provided very significant assistance in the development of transportation and parking guidelines for the Monongalia County Subdivision ordinance.

MPO Staff continued work begun in 2013-2014 with the other MPO's across the State to develop an MPO Association to share best practices in transportation planning and to enhance coordination with WVDOT. The MPO Executive Director was the chairman of the WVAMPO in 2019 and he worked to host the Association's joint Conference with the WV Local Transportation Assistance Program located at WVU. The Conference held in Hagerstown. The Conference participants were expanded to include WVDOH Planning and Districts and the WV Public Transportation Association.

Operational initiatives undertaken during FY 2019-2020 included work to implement transportation performance measures as required by the FAST Act. Normal operations included MPO consideration of numerous TIP Amendments by the MPO's committees. MPO Staff also performed other normal administrative functions including financial management, staff technical support to the Pedestrian and Bicycle Board's, and other similar tasks.

FOCUS FOR FISCAL YEAR 2020-2021

Local initiatives:

Major initiatives to be under taken this year include:

The MPO will continue to assist Mountain Line in developing a new operational plan through funding of a consultant and providing staff assistance as needed. This plan is necessitated by the changes to Mountain Lines route system with the relocation of the depot to Westover. The Study is being funded using a combination of Transit funding and PL funding.

The MPO will develop an RFQ for the selection of a consultant to update the highway portion of the Metropolitan Transportation Plan. The actual planning effort will be split between FY 2020-2021 and FY 2021-2022. The MTP Update will be coordinated with the City of Morgantown's and other urban area jurisdictions Comprehensive Plan Updates. Monongalia County and the other urban area jurisdictions will be invited to participate in the public involvement portion of the Transportation Plan update as part of their required update of their comprehensive plans. This will allow all of the Comprehensive Plans and the Transportation Plan to benefit from the same public involvement activities. The focus of the MTP update for the MPO will be updating the highway portion of the MTP and creating an opportunity for the public to comment on all aspects of the MTP including the recently completed Transit Plan and the Bicycle and Pedestrian Plan.

MPO Staff will continue to work with Health Policy professionals to develop a guidebook to the transportation planning process and how to work with the MPO. The guidebook is aimed at underserved communities.

As recommended in the Metropolitan Transportation Plan, MPO Staff will investigate establishing an ongoing bicycle and pedestrian data collection program. Initial discussions of such a program indicate that collecting this data every two to three years at select locations will be adequate in the beginning of the program. These efforts will build on the ongoing Bicycle and Pedestrian Plan Update being completed in this work program. Staff will work with the MPO's Committee's to determine the appropriate locations and time frame for these efforts.

During FY 2019-2020 the MPO is hiring a part-time employee to expand its public outreach efforts as identified in the MPO's Public Involvement Policy. This staff person is to be responsible for developing a newsletter to be issued at least quarterly, website maintenance, and the MPO's social media presence.

Other tasks:

The MPO will continue to update the annual traffic count database with counts taken for the MPO as well as counts taken by other local agencies. The first counts for this database were taken in April of 2011 and April 2012. This database provides the MPO with base data, which may be used to project the future growth of traffic, as well as, to provide decision makers with complete information about the existing conditions in the area. This data will continue to be available to the public at large for use in

developing business plans and other marketing efforts and to the area's municipalities so they may evaluate the impact of proposed new development in the area. The traffic counts will be of use to the MPO in assessing the Long Range Transportation Plans model as well as in identifying areas where operational improvements to the road network may be needed. The information will also be useful to the Division of Highways when planning operational improvements to the area's transportation facilities.

MPO Staff will work to implement the process for monitoring and reporting on the impact of transportation decision making in the TIP and the Metropolitan Transportation Plan on the safety and operational performance of the transportation system in accordance with the performance planning requirements of the FAST Act and MAP 21. MPO Staff will continue to provide ongoing administrative functions including scheduling and staff meetings, preparation of minutes and other arrangements for the MPO's standing committee meetings. Staff will continue preparation of Transportation Improvement Program amendments, preparation of the budget, performance of human resource functions and intergovernmental relations and public involvement activities. Staff will also continue to provide technical assistance to area municipalities as well as the Bike Board and the Pedestrian Board. Staff will also review the MPO's Public Involvement Policy and the MPO's Bylaws to determine the need for an update to the provisions of those documents. Staff will also continue to work with the statewide MPO Association on issues common to all of the state's MPOs.

BUDGET ITEMS BY MAJOR CATEGORY

The Project codes used in this document refer to the work codes identified in the MPO's Prospectus.

II-A Continuing Transportation Planning Activities-Surveillance of Inventory Data

II-A-1 Traffic Counts- MPO will continue the annual traffic count program. The initial program included 58 locations counted in the spring of 2012. As of the 2014 counts the MPO had 74 count locations around the urbanized portion of the County. As of 2019 the number of counts was reduced to approximately 58 due to budgetary constraints. The data collected includes daily directional traffic volumes, peak period traffic volumes and vehicle classification counts at selected locations. These counts supplement traffic counts taken every three years in the area by the Division of Highways they will be used both as base data for traffic modeling efforts and as information for decision makers as they consider the impact of proposed development in the area. These counts will be performed by a consultant team already on contract with the State of West Virginia to perform these services. The MPO will also seek to augment these counts by upgrading traffic count technology to have the capability to collect data on both bicycle and pedestrian travel at selected points.

II-A-4 Traffic Accidents-MPO Staff will continue to collect, quantify and locate traffic accident data as it becomes available.

II-A-10 Mapping- The MPO is using ArcGIS to work with Monongalia County to share data. This work will also include supplementing the County's recently acquired aerial photography with additional data.

II-B Long Range Transportation Plan Development

II-B-3 Model Update-The MPO regional travel demand model will be updated using data projections used for the ongoing transit study.

II-B-6-Community Goals and Objectives-The MPO will have a robust public involvement process to identify any new community goals and objectives since the last major update of the MTP and to validate those goals and objectives from the 2013 Plan Update that are still pertinent to the community.

II-B-8 Deficiency Analysis-Ongoing efforts to identify deficient elements of the transportation network.

II-B-9 Highway Element-the highway element of the MTP will be updated to reflect the update of the regional travel demand model and the recently developed transit plan as well as the bicycle and pedestrian plan.

II-B-10 Transit Element- The MPO will continue the update of the Transit Plan. The MPO will initiate an update of the highway portion of the transportation plan. The update of the Transportation Plan will be coordinated with the update of various comprehensive plans for area jurisdictions.

II-B-11 Bicycle and Pedestrian Planning- MPO staff will work to implement the Bicycle and Pedestrian Plan for the urban area. MPO Staff will also develop an ongoing bicycle and pedestrian count program.

II-B-13 Collector Street Planning- MPO Staff will provide support to area municipalities in reviewing proposed development to insure that the proposed collector streets are adequate. Staff will also review

proposals to insure that the proposed connection between major arterials and collector streets are consistent with the capacity anticipated in the Long Range Transportation Plan. As a recognized best practice for MPO's, Staff will incorporate Health Impact Assessments into the MPO's planning products.

II-B-16 Financial Planning- MPO Staff will continue to work for the development of funding streams for transportation in general and especially for implementing the Metropolitan Transportation Plan.

II-B-17 Congestion Management Strategies- MPO staff will review and coordinate with WVDOT/DOH on potential congestion mitigation strategies including ongoing TDM activities. MPO staff will also work with Mountain Line staff on the van pool program. MPO Staff will continue to provide information on operational improvements that may assist in the mitigation of congestion including an ongoing study of signalization improvements and the operation of the downtown Morgantown street network being conducted by the State.

III Administration

III-A Planning Work Program

MPO staff will monitor the revised Planning Work Program process to insure it is being adequately implemented. Staff will also develop the 2021 Planning Work Program.

III-B Transportation Improvement Program

MPO staff will update the Transportation Improvement Program (TIP) as needed. If found to be appropriate for our area, MPO staff will utilize the Federal Highway Administration's INVEST software to evaluate the MPO's project priority list. The MPO will work with WVDOT on updating the State Transportation Improvement Program operating procedures and updating the TIP to meet the revised procedures.

III-C-6 Public Involvement

The MPO will continue to televise Policy Board Meetings. Staff also anticipates increased public involvement activities associated with the TIP, and MTP. The MPO will continue to develop a newsletter and upgrade its online presence. Staff will also reach out to neighborhoods throughout the area to inform residents about the MPO and its activities.

III-C-7 Private Sector Participation-The MPO will seek to encourage private sector participation wherever possible with projects as they move forward. This effort will immediately focus on the implementation of the MPO's TDM Project and in freight planning.

III-C-8 Performance Measures-MAP 21 and the FAST Act require the States and MPO's to establish and report performance measures to ensure that transportation investments are addressing national, state, and local priorities for safety, air quality, system reliability and transit and highway asset management. The MPO will be establishing the performance measures for these facilities during the upcoming fiscal year. These performance measures will need to be reflected in the MPO's Metropolitan Transportation Plan and Transportation Improvement Program. This will be an ongoing task.

III-D-1 Transportation Enhancement Planning-MPO Staff will provide assistance with enhancement planning activities as requested by area agencies.

III-D-2 Environmental Coordination-MPO Staff will work with WVDOH to environmental resource agencies with information on projects proposed in the updated Long Range Transportation Plan to help ensure that environmental concerns are recognized as potential projects move forward to implementation.

III-D-3 Special Studies-MPO Staff will conduct operational studies as requested.

III-E Management and Operations This line item includes normal administrative functions such as the cost of the MPO audit, supplies, insurance and other administrative cost

Draft Morgantown Monongalia MPO Operating Budget FY 2020-2021

Cost Allocation Rate Table

All work performed outside program areas shall be charged at an hourly rate to cover actual expenses. Reimbursement/allocation rates are as follows:

Position	Hourly Rate	
Executive Director	\$ 58.18	Incl. benefits + Overhead
Planner II	\$ 39.55	Incl. benefits + Overhead
Shared Planner (50% MPO)	\$ 33.65	Includes benefits + Overhead
Additional Travel	Monongalia County Rate as adjusted	

Note: The Director and the Planner II are salaried positions. Therefore, all holidays, vacation and sick leave benefits are included in the base wage rate. Hourly rate is calculated using a 2080 hour work year as the base line for full time employees. For the shared employe a 1,040 hour work year is used.

Proposed Line Item Fixed Operating Expenses

Category	Consolidated Federal Planning Funds	WVDOT	City/CountyMPO /Other	Total Cost Allocation
Salaries*				
Director	\$ 73,447.25	\$ 9,180.91	\$ 9,180.91	\$ 91,809
Planner 2	\$ 42,454.98	\$ 5,306.87	\$ 5,306.87	\$ 53,069
Shared Planner	\$ 16,320.00	\$ 2,040.00	\$ 2,040.00	\$ 20,400
Benefits (see below)	\$ 57,678.55	\$ 7,209.82	\$ 7,209.82	\$ 72,098
Contracted/Capital Expenses				
Contracted Services	\$ 19,200.00	\$ 2,400.00	\$ 2,400.00	\$ 24,000
Consulting Services	\$ 40,000.00	\$ 5,000.00	\$ 5,000.00	\$ 50,000
Computer Equipment	\$ 6,400.00	\$ 800.00	\$ 800.00	\$ 8,000
Software	\$ 4,000.00	\$ 500.00	\$ 500.00	\$ 5,000
Public Notices/Publishing	\$ 3,200.00	\$ 400.00	\$ 400.00	\$ 4,000
Overhead				
Travel & Training	\$ 11,200.00	\$ 1,400.00	\$ 1,400.00	\$ 14,000
Utilities (phone, internet, web site)	\$ 400.00	\$ 50.00	\$ 50.00	\$ 500
Copier lease, supplies, postage	\$ 800.00	\$ 100.00	\$ 100.00	\$ 1,000
Total	\$ 275,100.78	\$ 34,387.60	\$ 34,387.60	\$ 343,876

Proposes 2% COLA for Exec. Director and Planner II, Shared Planner

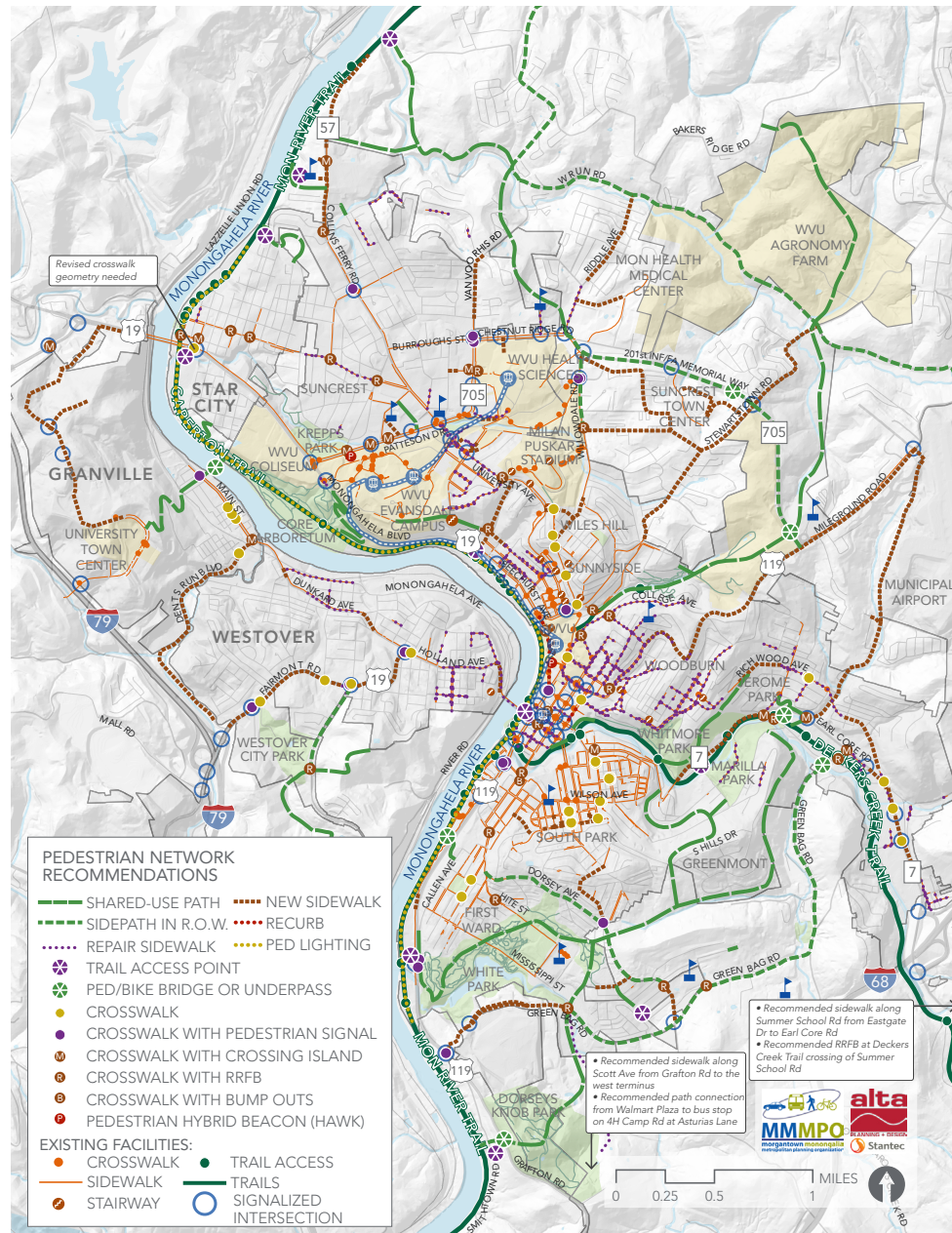
Draft Morgantown Monongalia Metropolitan Planning Organization Operating Budget FY 2020-21

Revenues and Expenditures By Major Category

Task Number	Task Item	Category	Consolidated Federal Planning			Total Cost Allocation
			Funds	WVDOT	City/County/MPO	
II-A	Inventory of Facilities					
	1	Traffic Counts	14,400	1,800	1,800	\$18,000
	10	Mapping	8,000	1,000	1,000	\$10,000
		Total	22,400	2,800	2,800	\$28,000
II-B	LRTP					
	3	Travel Model Update				\$25,000
	6	Community goals	28,000	3,500	3,500	\$35,000
	8	Deficiency Analysis	4,000	500	500	\$5,000
	9	Highway Element	16,000	2,000	2,000	\$20,000
	10	Transit Element	8,000	1,000	1,000	\$10,000
	11	Bicycle and Ped.	8,000	1,000	1,000	\$10,000
	13	Collector Street	4,000	500	500	\$5,000
	16	Financial Planning	4,000	500	500	\$5,000
	17	Cong. Mgmt. Strat.	5,600	700	700	\$7,000
		Total	\$77,600	\$9,700	\$9,700	\$0
III	Admin.				0	
	A	Work Program	\$4,000	\$500	\$500	\$5,000
	B	TIP	\$8,000	\$1,000	\$1,000	\$10,000
	C-6	Public Involvement	\$48,000	\$7,000	\$7,000	\$70,000
	C-7	Private Sector	\$4,000	\$500	\$500	\$5,000
	C-8	Performance	\$12,000	\$1,500	\$1,500	\$15,000
	D-1	Enhancement Plan	\$4,000	\$500	\$500	\$5,000
	D-2	Env. And Pre-TIP	\$5,600	\$700	\$700	\$7,000
	D-3	Special Studies	\$9,600	\$1,200	\$1,200	\$12,000
	D-4	Regional and State	\$16,000	\$2,000	\$2,000	\$20,000
	E	Management and Ops	\$56,000	\$7,000	\$7,000	\$70,000
		Total	\$167,200	\$21,900	\$21,900	\$0
Grand Totals - All Programs			\$267,200	\$34,400	\$34,400	\$0

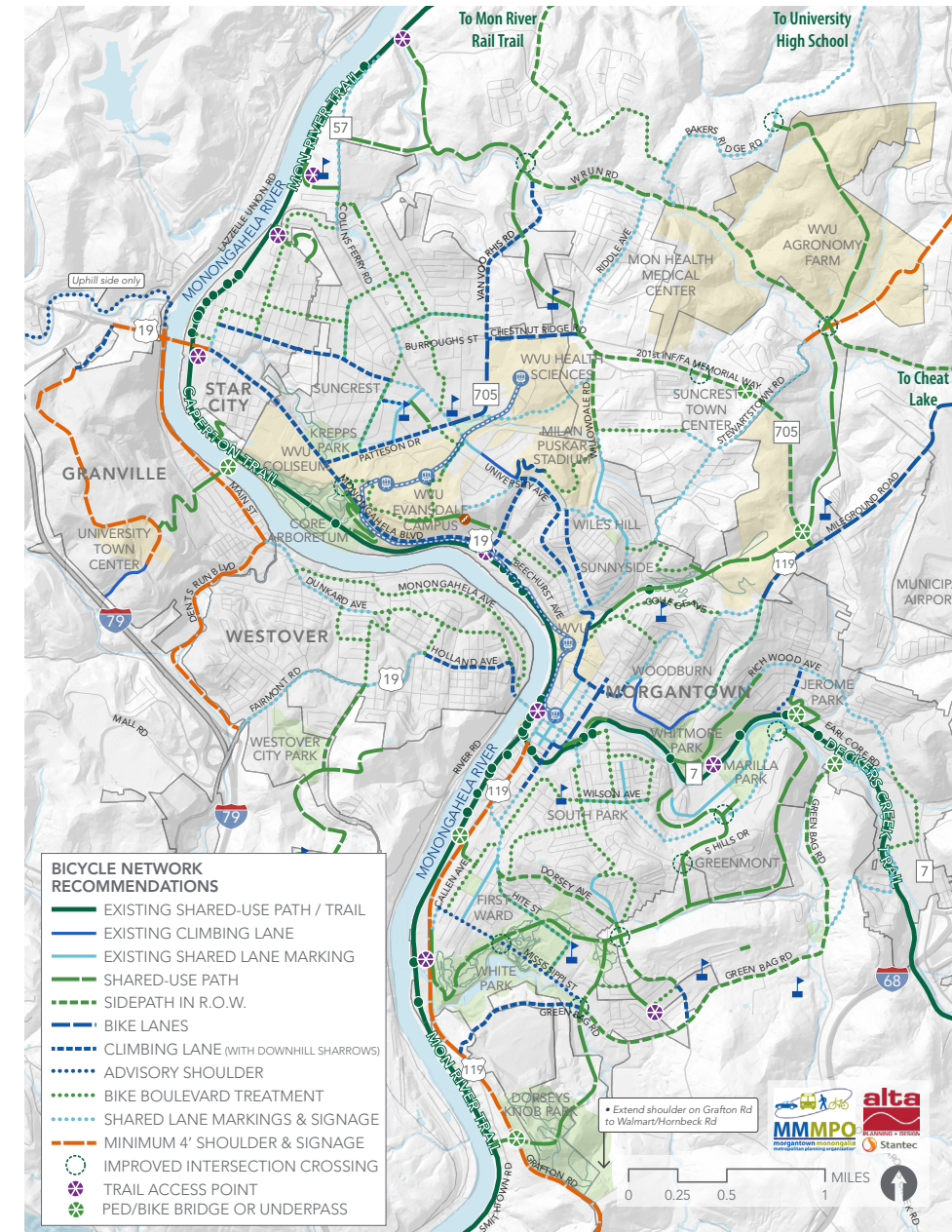
RECOMMENDED PEDESTRIAN NETWORK

The recommended Pedestrian Network map is a result of public input, existing conditions analyses, and input from the project Steering Committee. The recommended facilities intend to create a safe and connected pedestrian network, closing gaps in the existing network to link neighborhoods and popular destinations throughout the Morgantown region.



PEDESTRIAN NETWORK TOOLKIT

- **Shared Use Paths / Sidepaths** are off-road paths that are 8'-10' wide. Sidepaths are located adjacent to, and parallel with, a roadway.
- **Sidewalks** need to be at least 5' wide and are physically separated from the roadway by a curb and/or a landscaped buffer.
- **Crosswalks** are highly-visible, painted crossing.
- **Curb Extensions** improve visibility and reduce pedestrian crossing distances.
- **Median Refuge Islands** are protected spaces placed in the center of the roadway.
- **Curb Ramps** provide smooth transitions from sidewalk to the street, especially for those with low-mobility or parents with strollers.
- **Pedestrian Countdown Signals** indicate how much time remains for pedestrians to cross an intersection.
- **Leading Pedestrian Intervals** increase visibility of pedestrians with a 3-5 second head start at crosswalks at signalized intersections.
- **Rectangular Rapid Flashing Beacons** increase motorist yield-to-pedestrian compliance at designated crosswalks.



BICYCLE NETWORK TOOLKIT

- **Shared Use Paths / Sidepaths** are off-road paths that are 8'-10' wide. Sidepaths are located adjacent to and parallel with a roadway.
- **Bike Lanes** designate an exclusive 5'-6'-wide space for bicycles on both sides of a road.
- **Climbing Lanes** are bike lanes on one side of the road in the uphill direction and accompanied by shared lane markings in the downhill direction.
- **Advisory Shoulders** are areas for bicyclists defined by dashed white lines, separated from a 14'-18' central, two-way travel area.
- **Bike Boulevards** utilize traffic calming elements to improve the bicycling environment on lower-volume streets.
- **Shared Lane Markings and Signage** provide a visual reminder that the travel lanes are shared by automobiles and bikes.
- **4' Wide Paved Shoulders and Signage** occur on the edge of roadways and serve as a functional space for bicyclists.

RECOMMENDED BICYCLE NETWORK

The recommended Bicycle Network addresses the needs identified during public engagement efforts, analyses of the existing conditions inventory, and input from the project Steering Committee. The recommended facilities intend to create a safe and connected bicycle network throughout the Study Area, linking popular destinations, employment hubs, schools, transit stops, and residential areas.

Most bicycle-related improvements can be done at low cost since many project recommendations require only paint and signage. For example, proposed bike lanes cost \$100-125,000/mile (both sides of the road) and bicycle climbing lanes cost \$75-90,000/mile. Excluding the Mileground Road bike lanes--which could require road widening--all 11.5 miles of recommended bike lane projects could be implemented for approximately \$1 million.

PUBLIC ENGAGEMENT

The MMMPO Bike and Pedestrian Transportation Plan Steering Committee provided oversight and critical input throughout the year-long planning process. Other public engagement activities included:

- Public Workshops:** Three community workshops were held at various locations throughout Morgantown and were supplemented by outreach events at the Mountainlair, Morgantown Bike-to-Work Day and the 2019 Family Safety and Fitness event at WVU.
- Stakeholder Interviews:** The core project team conducted interviews with 15 stakeholders from a variety of backgrounds and organizations.
- Online Engagement:** An interactive online public input map and 13-question survey (garnering nearly 600 responses) were used to gather feedback on popular walking/biking routes, major destinations, and barriers related to walking and bicycling.



MORGANTOWN REGIONAL BIKE AND PEDESTRIAN TRANSPORTATION PLAN



MPO POLICY BOARD IMPLEMENTATION STRATEGY

With the adoption of the Plan by the Steering Committee in November 2019, the MMMPO Policy Board determined the need to further narrow down the Plan's priority projects and provide more general guidance on how future projects should be selected and prioritized. The Project Consultant Team worked with the Policy Board to accomplish these tasks at a work session held in January 2020. The results of the work session with the Policy Board winnowed the 45 highest-ranking pedestrian, bicycle and trail projects on state roadways to 13 projects, forming the Policy Board's Implementation Strategy. The Policy Board also expressed the desire to focus on general initiatives aimed at improving safety and connectivity for pedestrians, such as new crosswalks, pedestrian median islands and lighting. The table of safety initiatives and list of 13 priority projects are shown below and at right.

#	PROJECT DESCRIPTION
1	Morgantown: Crosswalk with Crossing Island on Route 7 at Deckers Creek Blvd/Mineral Ave
	Morgantown: Sidewalk on Route 7 from Mineral Ave to Deckers Creek Blvd
2	Granville: Crosswalk with Crossing Island on Dents Run Rd at Dave Bean Cir
3	Morgantown: Trail Access from the Westover Bridge to Caperton Rail Trail
4	Morgantown: Trail Access to the Caperton Rail Trail across Don Knotts Blvd from White Park
5	Star City: Crosswalk with RRFB at the intersection of University Ave and Herman Ave
6	Morgantown: Sidewalk Replacement on Willey St from Price St to Prospect St (north side only)
7	Morgantown: Crosswalk with Bumpouts at the intersection of Walnut St and Chestnut St
8	Morgantown: Crosswalk with Crossing Island at the intersection of Brockway Ave and Kingwood St
9	Morgantown: Ped/Bike Bridge from Green Bag Rd future path to Deckers Creek Trail
10	Morgantown: Shared Lane Markings and Signage on High St from Willey St to Pleasant St
11	Granville: Paved Shoulder and Signage on Main St from Every St to Dents Run Rd
12	Star City: Crosswalk with RRFB at the intersection of University Ave and Springdale Ave
13	Unincorporated Mon. County: Crosswalk with RRFB at the intersection of Willowdale Rd and Valley View Ave

SAFETY INITIATIVE	POLICY BOARD VOTES
Implementation of Crosswalks	8
Pedestrian Lighting	6
Pedestrian Refuge Islands	6
Neighborhood Connections to Downtown	4
Protected Bicycle Lanes	4
Connections Between Communities	2
Buffered Bike Lanes	-4*

*A total of 4 negative votes were cast to express safety concerns about 5'-6' wide striped bicycle lanes recommended on Chestnut Ridge Road, Van Voorhis Road and Spruce Street.



The Morgantown Monongalia MPO's (MMMPO) Bike and Pedestrian Transportation Plan (the Plan) was created to address the needs, particularly safety, of all non-motorized travelers throughout the greater Morgantown area, including the cities of Morgantown and Westover, West Virginia University, and unincorporated Monongalia County. The need for this Plan became apparent after a series of unfortunate--in some cases, tragic--incidents in the community. Building on previous work by the MMMPO, the area's Bicycle Board and the Pedestrian Safety Board, the Plan focuses on safety, connectivity between various neighborhoods, and improved links to the area's trail network. The Plan was developed using a comprehensive public involvement process that had a

great deal of participation from all of the communities listed above, along with Star City and Granville.

Formally adopted by the MMMPO in November 2019 (and amended in March 2020), the Plan is intended to serve as a guide for state agencies, the MPO, local municipalities, Monongalia County, WVU and non-profit stakeholders to work together to provide a transportation system that safely accommodates pedestrians and bicyclists in a coordinated and holistic manner. The Plan helps to bridge the gap between current conditions and what residents, employees, and visitors would expect for safe, comfortable, and connected facilities for walking and bicycling.

THIS PROJECT WAS MADE POSSIBLE BY A PARTNERSHIP BETWEEN MMMPO AND THE FOLLOWING:



Morgantown Monongalia Metropolitan Planning Organization



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Transportation Improvement Program

FY 2020-FY 2023

Morgantown Monongalia Metropolitan Planning Organization

243 High Street Room 110

Morgantown WV

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I-Introduction

Transportation Improvement Program (TIP)

Purpose and Development

The Morgantown Monongalia Metropolitan Planning Organization (MMMPO) was established as the urban area's transportation planning agency in 2003 as required by Federal legislation for any urban area with a population over 50,000. The two primary responsibilities of the MMMPO are the development of the Urban Area's Metropolitan Transportation Plan with a minimum of a 20 year planning horizon and the oversight of the use of federal surface transportation funds within the planning area. The MMMPO is charged with ensuring that the use of federal funds is consistent with the goals and objectives of the Metropolitan Transportation Plan. This document is the primary tool for that oversight.

In accordance with 23 CFR 450 subpart C the Morgantown Monongalia Metropolitan Planning Organization (MMMPO) is charged with developing the local Transportation Improvement Program (TIP) documenting the expenditure of Federal Funds on regionally significant transportation projects. Two primary purposes of the TIP are to monitor the progress of implementing the area's Metropolitan Transportation Plan (MTP), and to provide an opportunity for the area's stakeholders to comment on the expenditure of Federal Funds in the area. Federal regulation requires that the TIP be prepared as part of a continuous, cooperative, and comprehensive planning process, that includes an open public involvement process. This TIP includes a list of both public transportation and highway projects programmed for implementation by WVDOT, the West Virginia University Personal Rapid Transit System and Mountain Line Transit. This is consistent with the requirements of Federal legislation.

The TIP must also be fiscally constrained and be consistent with the area's Metropolitan Transportation Plan. To meet these requirements the MMMPO prepares the draft TIP in cooperation with the West Virginia Department of Transportation, Mountain Line Transit, West Virginia University, and other area institutions and stakeholders. The MPO also identifies how each project is consistent with the policies of the Metropolitan Transportation Plan. It should also be noted that the last two fiscal years shown in the TIP are informational and subject to change.

The MPO relies on the State of West Virginia's ongoing budget analysis to assure that the programmed projects are fiscally feasible in the short term. The list of currently programmed projects is the primary purpose for developing a TIP, it provides local decision makers with the opportunity to track progress in implementing the Metropolitan Transportation Plan and it provides the public with an opportunity to comment on how Federal funds are spent for transportation purposes. Given that the WVDOT is the primary funding agency for projects in the MPO area, the list of programmed projects has been prepared in cooperation with and reviewed by WVDOT to insure that the list is financially constrained given the future year funding anticipated by WVDOT.

MAP 21 passed by Congress in 2012 and the FAST Act (Fixing America's Surface Transportation) of 2016 requires the States and Metropolitan Planning Organizations to establish performance measures to

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identify how transportation investments are meeting national goals. States are required to establish the goals for these performance measures and MPOs are to adopt the State goals or establish their own goals within 180 days of the establishment of the State goals. The MMMPO adopted the State goals for this program in January of 2018 and these performance measures have been updated annually as shown in the appendix.

In addition to the TIP the MPO prepares a Priority List as an informational item for the WVDOT as they prepare the State Transportation Improvement Program. The Priority List expresses the order in which the MPO would like to see the MTP Projects implemented.

The Mountain Line Transit System as the grant recipient for FTA 5307 Urbanized Formula funds is primarily responsible for the development of the Transit portion of the Local TIP. As a grant recipient of Federal funds for the maintenance of the Personal Rapid Transit system (PRT) WVU prepares the portions of the TIP related to these funds.

Public Involvement

Once the draft TIP is prepared it is submitted for review by the public during a thirty (30) day public comment period and by the MPO's Committees. The Technical Advisory Committee made up of technical staff from WVDOT and the area's municipalities, and the Citizens Advisory Committee which includes representatives of the general public as well as groups specifically interested in bicycle and pedestrian planning are the MPO Committee's charged with reviewing this document. The results of the Public and Committee comments are then provided to the MPO's Policy Board for their review prior to final adoption of the TIP.

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II-2020 Morgantown Monongalia MPO Committee Membership

MPO Policy Board

Chairman-Joe Statler, Town of Blacksville

Vice-Chairman-Commissioner Tom Bloom, Monongalia County

Treasurer-Mayor Patricia Lewis, Granville

Secretary, Bill Austin, MPO Director ex officio

Mountain Line Transit, Dave Bruffy

City of Morgantown-Mayor Bill Kawecki, Councilor Jennifer Selin, Councilor Dave Harshbarger

Westover-Councilperson Janice Goodwin

Monongalia County Commission-Commissioner Edward Hawkins, Commissioner Sean Sikora

Star City-Recorder Steven Blinco

West Virginia University-Ron Justice

West Virginia Department of Transportation-Division of Highways-Brian Carr

MPO Citizen's Advisory Committee

Maria Smith, Christiaan Abildso, Chip Wamsley, Ed Sneckenberger, Bill Rice, Joe Patten,
Matthew Cross, Charles Renner, Heather Britton

MPO Transportation Technical Advisory Committee

Federal Highway Administration and Federal Transit Administration (ex-officio)-Jason Workman, Chandra Inglis-Smith

Town of Granville, Latina Mayle, Town Manager

Monongalia County Board of Education

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Monongalia County, Andrew Gast-Bray, Planning Director

City of Morgantown, Damien Davis-City Eng., Chris Fletcher-Dir. of Dev. Services,

Morgantown Monongalia MPO-Bill Austin, ex officio

Mountain Line Transit, Dave Bruffy

West Virginia Department of Transportation-Brian Carr, Elwood Penn, Foad Shoukry

West Virginia University, Clement Solomon, Bill Oliver

Morgantown Utility Board-Tim Ball

MPO Freight Advisory Committee

Edward Boyle, Robert Henn, John Laurita, Ryan Nuzum, Barry Pallay

III-Glossary

Transportation Agencies

FHWA-Federal Highway Administration

FTA-Federal Transit Administration

WVDOT-West Virginia Department of Transportation

MPO-Morgantown Monongalia Metropolitan Planning Organization

Federal Funding Classifications

ADHS-Appalachian Development Highway System

ARRA-American Recovery and Rehabilitation Act

BR-Bridge Replacement and Rehabilitation

CMAQ-Congestion Mitigation and Air Quality

FAST Act-Fixing America's Surface Transportation Act

HSIP-Highway Safety Improvement Program

IM-Interstate Maintenance

MAP-21-Moving Ahead for Progress in the 21st Century

NHPP-National Highway Performance Program

NRT-National Recreational Trail

SAFTEA-Safe, Accountable, Flexible, Transportation Efficiency Act of 2003

STP-Surface Transportation Program

Section 5307-FTA Formula (Operating and Capital)

Section 5311-Rural Area Formula Grants

Section 5337-State of Good Repairs Grants

Section 5339-Bus and Bus Facilities Program

TA-Transportation Alternatives funding

Work Categories

CON-Construction, ENG.-Engineering, M-Maintenance, P/PE-Planning and Planning and Environmental, ROW-Right of Way

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IV List of Programmed and Ongoing Projects and Map of Programmed Projects

Summary of MPO Metropolitan Transportation Plan Goals and Objectives

(Updated 2017)

- 1) **Goal 1-A multimodal transportation system that efficiently moves goods and people**
 - a. Eliminate/reduce current congestion...
 - b. Ensure that future development and related...improvements address capacity needs...proactively
 - c. Improve ingress/egress to most densely developed/highest activity areas of the region
 - d. Provide adequate transportation capacity to support existing business
 - e. Focus capacity improvements for all modes in areas of desired future growth...

- 2) **Goal 2-A transportation system in which all modes are highly integrated and connected**
 - a. ...allow for convenient transfer from one mode to another
 - b. ...encourage the use of the most efficient mode...based on the characteristic of the trip...
 - c. Increase the...area in which people have access to non-automobile modes.
 - d. Reduce reliance on automobile for travel
 - e. Better serve those who do not/cannot own and drive a personal automobile.
 - f. Allow for efficient transfer of goods between modes.
 - g. Improve and expand infrastructure for pedestrians, bicyclists and people with disabilities.
 - h. Increase the use of existing rail trails for transportation purposes

- 3) **Goal 3-A multimodal transportation system that safely moves people and goods**
 - a. Minimize crashes
 - b. Ensure that future...transportation improvements address safety...

- 4) **Goal 4-A transportation system that maximizes the efficiency of freight movement through and within the region with minimal impacts on neighborhoods and campus areas.**
 - a. Reduce truck traffic in residential neighborhoods.
 - b. Improve truck access to key industrial areas
 - c. Increase options for freight movement that minimizes truck traffic on non-interstate roads.

- 5) **Goal 5-Greater collaboration between local agencies, state officials, and private interests in pursuit of funding of transportation improvements.**
 - a. More effective and less costly improvements by capitalizing on common needs
 - b. Higher quality improvements due to cost sharing and collaboration
 - c. Transportation improvements that support the...vision for the region

- 6) **Goal 6-A transportation system that is attractive, sustainable and livable**
 - a. Integrate the local context in planning, design and construction of improvements
 - b. Include sustainability features in design and construction of transportation improvements
 - c. Address multimodal needs in planning, design, and construction of improvements
 - d. Reduce or mitigate the impact of transportation facilities on storm-water facilities
 - e. Enhance travel and tourism in the Morgantown area

- 7) **Goal 7-Reduce automobile trip demand, especially during peak hours**
 - a. Reduce need for costly transportation and parking infrastructure
 - b. Invest in transportation improvements that support land use patterns that decrease the need to travel.
 - c. Reduce auto emissions and improve air quality
 - d. 50% increase in walking trips
 - e. 5% of all trips made by bicycle by 2025
 - f. Increase number of transit trips by 200%
 - g. Increase telecommuting and virtual lectures (WVU)
 - h. Increase average vehicle occupancy by 50%

- 8) **Goal 8 A multimodal transportation system that enhances the homeland security of the region.**
 - a. Heighten awareness of homeland security needs related to transportation.
 - b. Improve understanding of critical transportation security issues in the region
 - c. Incorporate homeland security needs in transportation planning, design and construction.

Federal Highway Project List-Project Information (Sorted by Project Name and Map ID)

Project Name	MAP ID	FFY	Funding Obligation Date	Obligation Date Type	Fund Type	Phase	Route	Type of Work	State Project Number	Federal Project Number	Federal Dollar Amount	Total Phase Amount
Airport Exit BR (Garvee 2)	1	2018	8/07/2018	A	OTHER	CON	CO857	REPLACE BRIDGE	S3318570072600	NFA2217036D	\$0	\$6,300,000
Beechurst Ave (General Obligation Bond 4)	2	2018	1/23/2018	A	NHPP	ENG	US019	IMPROVE I/S & WIDEN	U33119132400	NHPP0019443D	\$400,000	\$500,000
		2021	1/28/2021	E	NHPP	ROW	US019	IMPROVE I/S & WIDEN	U33119132400	NHPP0019444D	\$2,400,000	\$3,000,000
		2021	8/28/2021	E	OTHER	CON	US019	IMPROVE I/S & WIDEN	U33119132400	NFA2317024D	\$0	\$8,000,000
Boyers Ave/US 19 Improvements	3	2020	12/28/2019	E	NHPP	ENG	US019	WIDEN, TURN LANE, TRAFFIC SIGNAL	U331191410	NHPP0019437D	\$4,000	\$5,000
		2020	1/28/2020	E	NHPP	ROW	US019	WIDEN, TURN LANE, TRAFFIC SIGNAL	U331191410	NHPP0019438D	\$800	\$1,000
		2020	4/28/2020	E	NHPP	CON	US019	WIDEN, TURN LANE, TRAFFIC SIGNAL	U331191410	NHPP0019439D	\$461,600	\$577,000
Brookhaven Rd Improvements	4	2020	4/28/2020	E	CMAQ	ROW	WV007	INSTALL TRAVEL LANES; SIGNAL	U3317362000	CMAQ0007263D	\$12,000	\$15,000
		2020	4/28/2020	E	CMAQ	CON	WV007	INSTALL TRAVEL LANES; SIGNAL	U3317362000	CMAQ0007264D	\$380,000	\$475,000
Collins Ferry Trail Connector	5	2020	4/28/2020	E	NRT	CON	NA	CONST TRL	U331COLLI100	NRT2014221D	\$44,800	\$56,000
Dunkard Ave Sidewalks Phase V	6	2020	12/28/2019	E	TAP	ENG	NA	Sidewalks	U331MONON604	TAP2018215DTC	\$60,000	\$60,000
		2021	1/28/2021	E	TAP	CON	NA	Sidewalks	U331MONON604	TAP2018216DTC	\$240,000	\$240,000
Everettville BR	7	2020	7/28/2020	E	STP	CON	CO045	REPL	S3314524200	ACST0045069D	\$400,000	\$500,000
Foundry St Linkage Trail	8	2020	6/28/2020	E	NRT	CON	NA	CONST TRL	U331FOUND100	NRT2014219D	\$24,256	\$30,320
Greenbag Rd (General Obligation Bond 4)	9	2023	1/28/2023	E	OTHER	CON	CO857	IMPROVE I/S & WIDEN	U33185706700	NFA2317022D	\$0	\$16,000,000
		2022	11/28/2021	E	STP	ROW	CO857	IMPROVE I/S & WIDEN	U33185706700	STP0857020D	\$2,400,000	\$3,000,000
I-79 Halleck Road Overpass	10	2020	10/22/2019	A	NHPP	CON	I079	Replace Bridge	S331791438100	NHPP0793280D	\$11,970,000	\$13,300,000
I-79 Star City Interchange Improvements	11	2020	3/28/2020	E	NFA	CON	I079	Reconstruction	U331791545000	NFA2317029D	-	\$66,000,000
Mon Blvd - Stewartstown Rd	12	2018	9/25/2018	A	NHPP	CON	WV705	RESURFACE	S33170500200	NHPP0705018D	\$3,355,732	\$4,194,665
Morgantown Multiuse Path	13	2018	5/10/2018	A	TAP	ENG	NA999	DESIGN / CONST TRAIL	U331MORGA2000	TAP2016335DTC	\$125,000	\$125,000
		2020	6/28/2020	E	TAP	CON	NA999	DESIGN / CONST TRAIL	U331MORGA2000	TAP2016336D	\$300,000	\$375,000
Mylan Park Bridge Approach	14	2020	1/28/2020	E	NHPP	ENG	I079	REALIGN APPROACHES	S3317915400	NHPP0793269D	\$90,000	\$100,000
		2020	5/28/2020	E	NHPP	CON	I079	REALIGN APPROACHES	S3317915400	NHPP0793270D	\$900,000	\$1,000,000
Pleasant St Streetscape	15	2019	3/28/2019	A	TAP	ENG	NA	CONST SW	U331MORGA1900	TAP2016309DTC	\$160,000	\$160,000

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Project Name	MAP ID	FFY	Funding Obligation Date	Obligation Date Type	Fund Type	Phase	Route	Type of Work	State Project Number	Federal Project Number	Federal Dollar Amount	Total Phase Amount
River Road (CO45) Slide Repairs	16	2019			STBG	CON		Road Slide Repair		STBG00455080D	\$2,000,000	\$2,500,000
		2020	1/28/2020	E	STBG	ROW	CO 45	Slide Repairs	S33145115000	STBG00455080D	1180000	\$1,475,000
		2020	5/28/2020	E	STBG	CON	CO 45	Slide Repairs	S33145115000	STBG00455080D	4800000	\$6,000,000
Smithtown Road	17	2019	6/26/2019	A	NHPP	CON	CO073	Resurface	S331 073 00135 00	STBG0073088D	\$1,208,000	\$1,510,000
Star City Trail Connector	18	2020	07/28/2020	E	NRT	CON	NA999	CONSTRUCT TRAIL	U331STARC800	NRT2015041D	\$73,600	\$92,000
University Av/Collins Ferry Ave I/S Improvements	19	2018	3/12/2018	A	CMAQ	ROW	CO055	I/S IMPROVEMENT	U3315511000	CMAQ0055037D	\$792,000	\$990,000
		2019	9/16/2019	A	CMAQ	CON	CO055	I/S IMPROVEMENT	U3315511000	CMAQ0055038D	\$2,039,375	\$2,549,219
Van Voorhis Rd (WV 705-West Run Rd)	20	2023	6/28/2023	E	OTHER	CON	CO059	IMPROVE I/S & WIDEN	U3315900000	NFA2317023D	\$0	\$15,000,000
		2018	1/23/2018	A	STP	ENG	CO059	IMPROVE I/S & WIDEN	U3315909400	STP0059006D	\$480,000	\$600,000
		2022	6/28/2022	E	STP	ROW	CO059	IMPROVE I/S & WIDEN	U3315900000	STP0059007D	\$4,000,000	\$5,000,000
Walnut St Streetscape	21	2020	8/28/2020	E	TAP	CON	NA	CONST WALK, CROSSWALKS, CURB CUTS, LIGHTING	U331MORGA1700	TEA2012638D	\$238,000	\$297,500
West Run Road	22	2020	8/28/2020	E	HSIP	CON	CO067/01	WIDEN ROAD	U33167100000	HSIP0671006D	\$2,400,000	\$2,400,000
West Run Road (General Obligation Bond 4)	23	2021	28/7/2021	E	OTHER	CON	CO067/01	IMPROVE I/S & WIDEN	U33167118600	NFA2317025D	\$0	\$13,000,000
		2018	2/8/2018	A	STP	ENG	CO067/01	IMPROVE I/S & WIDEN	U33167118600	STP0671008D	\$1,520,000	\$1,900,000
		2020	8/1/2019	A	STP	ROW	CO067/01	IMPROVE I/S & WIDEN	U33167118600	STP0671009D	\$4,640,000	\$5,800,000
WV 100 & Dents Run I/S Improvement	24	2020	4/28/2020	E	HSIP	CON	WV100	IMPROVE TURNING RADIUS/INTERSECTION	U33110010200	HSIP0100152D	\$150,000	\$150,000
WV 7 Improvements (Kings Run Rd-Buckeye Rd)	25	2019	6/26/2019	A	NHPP	CON	WV007	Resurface	S331 007 01456 00	NHPP0007296D	\$751,224	\$939,030
Greenbag Rd & WV 71/S	26	2019	2/14/2019	A	CMAQ	CON	WV007	I/S IMPROVEMENT	U3317353500	CMAQ0007248D	\$1,625,258	\$2,031,572
WV7 OP Interchange (AUTH AC Project) (Split funded)	27	2021	7/28/2021	E	NHPP	CON	I079	CONST NEW I/C AND ACCESS RD	X331791560000	NHPP0793271	\$4,000,000	\$5,000,000
		2022	7/28/2022	E	NHPP	CON	I079	CONST NEW I/C AND ACCESS RD	X331791560000	NHPP0793271	\$4,000,000	\$5,000,000
		2023	7/28/2023	E	NHPP	CON	I079	CONST NEW I/C AND ACCESS RD	X331791560000	NHPP0793271	\$4,000,000	\$5,000,000
		2021	7/28/2021	E	STP	CON	I079	CONST NEW I/C AND ACCESS RD	X331791560000	NHPP0793271	\$16,000,000	\$20,000,000
		2022	7/28/2022	E	STP	CON	I079	CONST NEW I/C AND ACCESS RD	X331791560000	NHPP0793271	\$16,000,000	\$20,000,000
		2023	7/28/2023	E	STP	CON	I079	CONST NEW I/C AND ACCESS RD	X331791560000	NHPP0793271	\$16,000,000	\$20,000,000

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Project Name	MAP ID	FFY	Funding Obligation Date	Obligation Date Type	Fund Type	Phase	Route	Type of Work	State Project Number	Federal Project Number	Federal Dollar Amount	Total Phase Amount
Morgantown Ped Improvement Design Study WV 705	N/A	2019	9/4/2019	A	HSIP	ENG	WV 705	Design Study	S23170500000	HSIP0705019D	\$300,000	\$375,000
I-79 Access PIE Study	N/A	2019	8/29/2019	A	NHPP	ENG	NA	Design Rpt PIE	X231MORAC000	NHPP0792200D	\$1,170,000	\$13,000,000
Deckers Creek Trail Resurfacing	N/A	2019	9/26/2019	A	NRT	CON	NA999	PAVE TRAIL	U331DECKE200	NRT2012693D	\$80,000	\$100,000
Deckers Creek Trail Undercut Repair	N/A	2019	9/26/2019	A	NRT	CON	NA	REPAIR EXISTING TRAIL	U331DECKE300	NRT2012686D	\$120,265	\$150,331
Deckers CRK Trail Repair	N/A	2019	8/23/2019	A	NRT	CON	NA	REPAIR TRL	U331DECKE400	NRT2014223D	\$169,898	\$212,370
BOPARC Trail EQ	N/A	2020	12/28/2019	E	NRT	ENG	NA999	EQUIPMENT PURCHASE, TRAIL MAINT	U331BOPAR200	NRT2017162D	\$14,400	\$18,000
Caperton Trail Drainage	N/A	2020	9/28/2020	E	NRT	CON	NA	Design/Upgrade Drainage	U331CAPER200	NRT2018214D	\$31,400	\$39,250
Caperton Trail Lighting	N/A	2020	12/28/2019	E	NRT	ENG	NA	Install Lighting	U331CAPER300	NRT 2018217DTC	25000	25000
	N/A	2020	9/28/2020	E	NRT	CON	NA	Lighting	U331CAPER300	NRT2018218D	\$100,000	\$125,000
Deckers Creek Landslide R	N/A	2020	12/28/2019	E	NRT	ENG	NA999	DESIGN CONST LANDSLIDE REPAIR	U331DECKE600	NRT2017161D	\$36,000	\$45,000
Mon River Rail Trail MNT EQ	N/A	2020	12/28/2019	E	NRT	ENG	NA	EQUIP PURCHASE	U331MONRV100	NRT2015294D	\$48,000	\$60,000
North Central Rail Map Update	N/A	2020	12/28/2019	E	NRT	ENG	NA999	UPDATE & PRINT TRAIL BROCHURE	T631NORTH100	NRT2015244D	\$20,800	\$26,000
Morris Builders BR	N/A	2020	5/28/2020	E	STP	CON	CO019/25	REPL 2 BRIDGES	S331192505500	ACST1925001D	\$900,000	\$1,125,000
Morgantown Bicycle Signage	N/A	2020	7/28/2020	E	TAP	CON	NA999	PURCHASE BICYCLE SIGNAGE	U331MORGA1800	TEA2014195D	\$96,000	\$120,000

Federal Highway Project List-Project Type and Goal (Sorted by Project Name and Map ID)

Project Name	MAP ID	Program Type	Target Performance Measures	MTP Goal
Airport Exit BR (Garvee 2)	1	Bridge Program	NHS Bridge Condition	#1-Multimodal, #3-Safety
Beechurst Ave (General Obligation Bond 4)	2	Localized Mobility Program	Travel Time Reliability , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
		Localized Mobility Program	Travel Time Reliability , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
		Localized Mobility Program	Travel Time Reliability , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
Boyers Ave/US 19 Improvements	3	Localized Mobility Program	Travel Time Reliability , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety
		Localized Mobility Program	Travel Time Reliability , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety
		Localized Mobility Program	Travel Time Reliability , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety
Brookhaven Rd Improvements	4	Localized Mobility Program	NHS Pavement Condition , Safety	#1-Multimodal, #3-Safety
		Localized Mobility Program	NHS Pavement Condition , Safety	#1-Multimodal, #3-Safety
Collins Ferry Trail Connector	5	Community Development and Connectivity Program	Bike/Ped Safety, Congestion Mitigation	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable , #7-Trip Demand Reduction
Dunkard Ave Sidewalks Phase V	6	Community Development and Connectivity Program	Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
		Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
Everettville BR	7	Bridge Program	NHS Bridge Condition, Safety	#1-Multimodal, #3-Safety
Foundry St Linkage Trail	8	Community Development and Connectivity Program	Bike/Ped Safety, Congestion Mitigation	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable , #7-Trip Demand Reduction
Greenbag Rd (General Obligation Bond 4)	9	Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety	#1-Multimodal, #3-Safety , #2-Integration and Connection, #4-Freight
		Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety	#1-Multimodal, #3-Safety , #2-Integration and Connection, #4-Freight
I-79 Halleck Road Overpass	10	Bridge Program	NHS Bridge Condition	#1-Multimodal, #3-Safety
I-79 Star City Interchange Improvements	11	Regional Mobility Program	Travel Time Reliability , Congestion Mitigation	#1-Multimodal, #3-Safety , #4-Freight
Mon Blvd - Stewartstown Rd	12	Community Development and Connectivity Program	Congestion Mitigation , Safety , NHS Pavement Condition	#1-Multimodal, #3-Safety , #4-Freight, #6-Attractive, Sustainable & Livable
Morgantown Multiuse Path	13	Community Development and Connectivity Program	Bike/Ped Safety, Congestion Mitigation	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable , #7-Trip Demand Reduction
		Community Development and Connectivity Program	Bike/Ped Safety, Congestion Mitigation	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable , #7-Trip Demand Reduction
Mylan Park Bridge Approach	14	Bridge Program	NHS Bridge Condition	#1-Multimodal, #3-Safety
		Bridge Program	NHS Bridge Condition	#1-Multimodal, #3-Safety

Project Name	MAP ID	Program Type	Target Performance Measures	MTP Goal
Pleasant St Streetscape	15	Community Development and Connectivity Program	Bike/Ped Safety	#6-Attractive, Sustainable & Livable
River Road (CO45) Slide Repairs	16	Localized Mobility Program	NHS Pavement Condition , Safety	#1-Multimodal, #3-Safety
		Localized Mobility Program	NHS Pavement Condition , Safety	#1-Multimodal, #3-Safety
		Localized Mobility Program	NHS Pavement Condition , Safety	#1-Multimodal, #3-Safety
Smithtown Road	17	Resurfacing Program	NHS Pavement Condition	#1-Multimodal, #3-Safety , #4-Freight
Star City Trail Connector	18	Community Development and Connectivity Program	Bike/Ped Safety, Congestion Mitigation	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable , #7-Trip Demand Reduction
University Av/Collins Ferry Ave I/S Improvements	19	Localized Mobility Program	Travel Time Reliability , Safety , Bike/Ped Safety, Congestion Mitigation , Freight Movement	#1-Multimodal, #3-Safety , #4-Freight
		Localized Mobility Program	Travel Time Reliability , Safety , Bike/Ped Safety, Congestion Mitigation , Freight Movement	#1-Multimodal, #3-Safety , #4-Freight
Van Voorhis Rd (WV 705-West Run Rd)	20	Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #2-Integration and Connection
		Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #2-Integration and Connection
		Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #2-Integration and Connection
Walnut St Streetscape	21	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #6-Attractive, Sustainable & Livable
West Run Road	22	Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Congestion Mitigation , Safety	#1-Multimodal, #3-Safety
West Run Road (General Obligation Bond 4)	23	Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Congestion Mitigation , Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
		Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Congestion Mitigation , Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
		Localized Mobility Program	NHS Pavement Condition , Travel Time Reliability , Congestion Mitigation , Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
WV 100 & Dents Run I/S Improvement	24	Localized Mobility Program	Safety	#3-Safety
WV 7 Improvements (Kings Run Rd-Buckeye Rd)	25	Resurfacing Program	NHS Pavement Condition , Safety	#1-Multimodal, #3-Safety
Greenbag Rd & WV 7I/S	26	Localized Mobility Program	Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety	#1-Multimodal, #3-Safety , #4-Freight

Project Name	MAP ID	Program Type	Target Performance Measures	MTP Goal
WV7 OP Interchange (AUTH AC Project) (Split funded)	27	Regional Mobility Program	Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
		Regional Mobility Program	Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
		Regional Mobility Program	Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
		Regional Mobility Program	Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
		Regional Mobility Program	Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
		Regional Mobility Program	Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety , Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
Morgantown Ped Improvement Design Study WV 705	N/A	Planning and Workforce Development Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
I-79 Access PIE Study	N/A	Planning and Workforce Development Program	Travel Time Reliability , Freight Movement , Congestion Mitigation , Safety	#1-Multimodal, #3-Safety , #2-Integration and Connection, #4-Freight
Deckers Creek Trail Resurfacing	N/A	Resurfacing Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
Deckers Creek Trail Undercut Repair	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
Deckers CRK Trail Repair	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
BOPARC Trail EQ	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
Caperton Trail Drainage	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
Caperton Trail Lighting	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
Deckers Creek Landslide R	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #4-Freight
Mon River Rail Trail MNT EQ	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety
North Central Rail Map Update	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable
Morris Builders BR	N/A	Bridge Program	NHS Bridge Condition, Safety , Freight Movement , Congestion Mitigation	#1-Multimodal, #3-Safety
Morgantown Bicycle Signage	N/A	Community Development and Connectivity Program	Bike/Ped Safety	#1-Multimodal, #3-Safety , #6-Attractive, Sustainable & Livable , #7-Trip Demand Reduction

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Federal Highway Project List (Sorted by Amendment Date and Obligation Date)

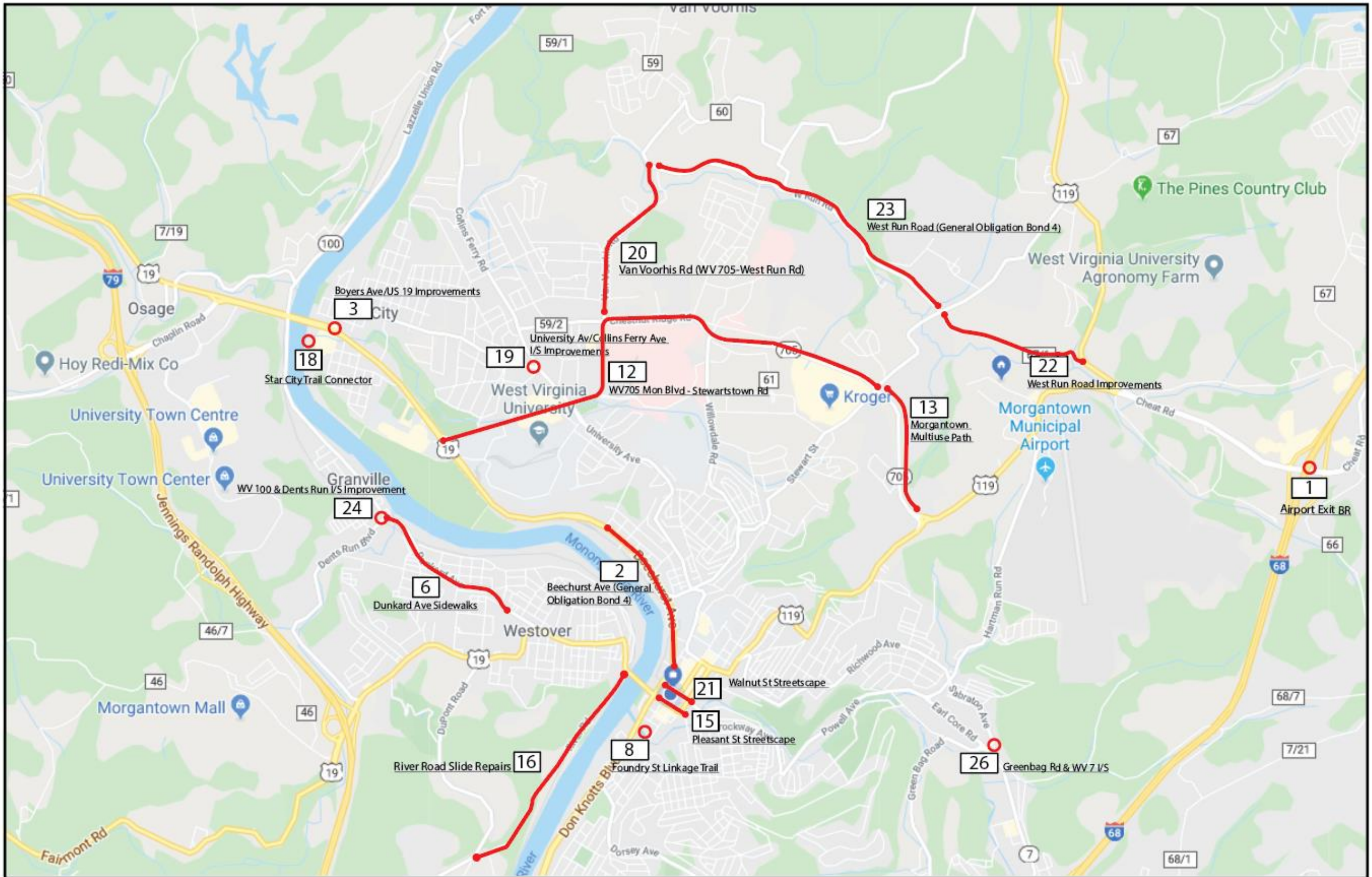
MORGANTOWN MONONGALIA MPO - TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												
Federal Highway Project List (2020-2023)												
Updated January, 2020												
Month Added	Funding Obligation Date	Project Name	Map ID	Program Type	FFY	Obligation Date Type	Fund Type	Phase	Type of Work	Federal Project Number	Federal Dollar Amount	Total Phase Amount
11/1/2019	5/28/2020	River Road (CO45) Slide Repairs	16	Localized Mobility Program	2020	E	STBG	CON	Slide Repairs	STBG00455080D	4800000	\$6,000,000
11/1/2019	1/28/2020	River Road (CO45) Slide Repairs	16	Localized Mobility Program	2020	E	STBG	ROW	Slide Repairs	STBG00455080D	1180000	\$1,475,000
8/1/2019	1/28/2021	Dunkard Ave Sidewalks Phase V	6	Community Development and Connectivity Program	2021	E	TAP	CON	Sidewalks	TAP2018216DTC	\$240,000	\$240,000
8/1/2019	9/28/2020	Caperton Trail Lighting	N/A	Community Development and Connectivity Program	2020	E	NRT	CON	Lighting	NRT2018218D	\$100,000	\$125,000
8/1/2019	12/28/2019	Dunkard Ave Sidewalks Phase V	6	Community Development and Connectivity Program	2020	E	TAP	ENG	Sidewalks	TAP2018215DTC	\$60,000	\$60,000
8/1/2019		River Road (CO45) Slide Repairs	16	Localized Mobility Program	2019		STBG	CON	Road Slide Repair	STBG00455080D	\$2,000,000	\$2,500,000
6/1/2019	9/28/2020	Caperton Trail Drainage	N/A	Community Development and Connectivity Program	2020	E	NRT	CON	Design/Upgrade Drainage	NRT2018214D	\$31,400	\$39,250
6/1/2019	12/28/2019	Caperton Trail Lighting	N/A	Community Development and Connectivity Program	2020	E	NRT	ENG	Install Lighting	NRT 2018217DTC	25000	25000
6/1/2019	10/22/2019	I-79 Halleck Road Overpass	10	Bridge Program	2020	A	NHPP	CON	Replace Bridge	NHPP0793280D	\$11,970,000	\$13,300,000
3/1/2019	6/26/2019	Smithtown Road	17	Resurfacing Program	2019	A	NHPP	CON	Resurface	STBG0073088D	\$1,208,000	\$1,510,000
3/1/2019	6/26/2019	WV 7 Improvements (Kings Run Rd-Buckeye Rd)	25	Resurfacing Program	2019	A	NHPP	CON	Resurface	NHPP0007296D	\$751,224	\$939,030
6/1/2018	3/28/2020	I-79 Star City Interchange Improvements	11	Regional Mobility Program	2020	E	NFA	CON	Reconstruction	NFA2317029D	-	\$66,000,000
	8/1/2019	West Run Road (General Obligation Bond 4)	23	Localized Mobility Program	2020	A	STP	ROW	IMPROVE I/S & WIDEN	STP0671009D	\$4,640,000	\$5,800,000
	7/28/2023	WV7 OP Interchange (AUTH AC Project) (Split funded)	27	Regional Mobility Program	2023	E	NHPP	CON	CONST NEW I/C AND ACCESS RD	NHPP0793271	\$4,000,000	\$5,000,000
	7/28/2023	WV7 OP Interchange (AUTH AC Project) (Split funded)	27	Regional Mobility Program	2023	E	STP	CON	CONST NEW I/C AND ACCESS RD	NHPP0793271	\$16,000,000	\$20,000,000
	6/28/2023	Van Voorhis Rd (WV 705-West Run Rd)	20	Localized Mobility Program	2023	E	OTHER	CON	IMPROVE I/S & WIDEN	NFA2317023D	\$0	\$15,000,000
	1/28/2023	Greenbag Rd (General Obligation Bond 4)	9	Localized Mobility Program	2023	E	OTHER	CON	IMPROVE I/S & WIDEN	NFA2317022D	\$0	\$16,000,000
	7/28/2022	WV7 OP Interchange (AUTH AC Project) (Split funded)	27	Regional Mobility Program	2022	E	NHPP	CON	CONST NEW I/C AND ACCESS RD	NHPP0793271	\$4,000,000	\$5,000,000
	7/28/2022	WV7 OP Interchange (AUTH AC Project) (Split funded)	27	Regional Mobility Program	2022	E	STP	CON	CONST NEW I/C AND ACCESS RD	NHPP0793271	\$16,000,000	\$20,000,000
	6/28/2022	Van Voorhis Rd (WV 705-West Run Rd)	20	Localized Mobility Program	2022	E	STP	ROW	IMPROVE I/S & WIDEN	STP0059007D	\$4,000,000	\$5,000,000

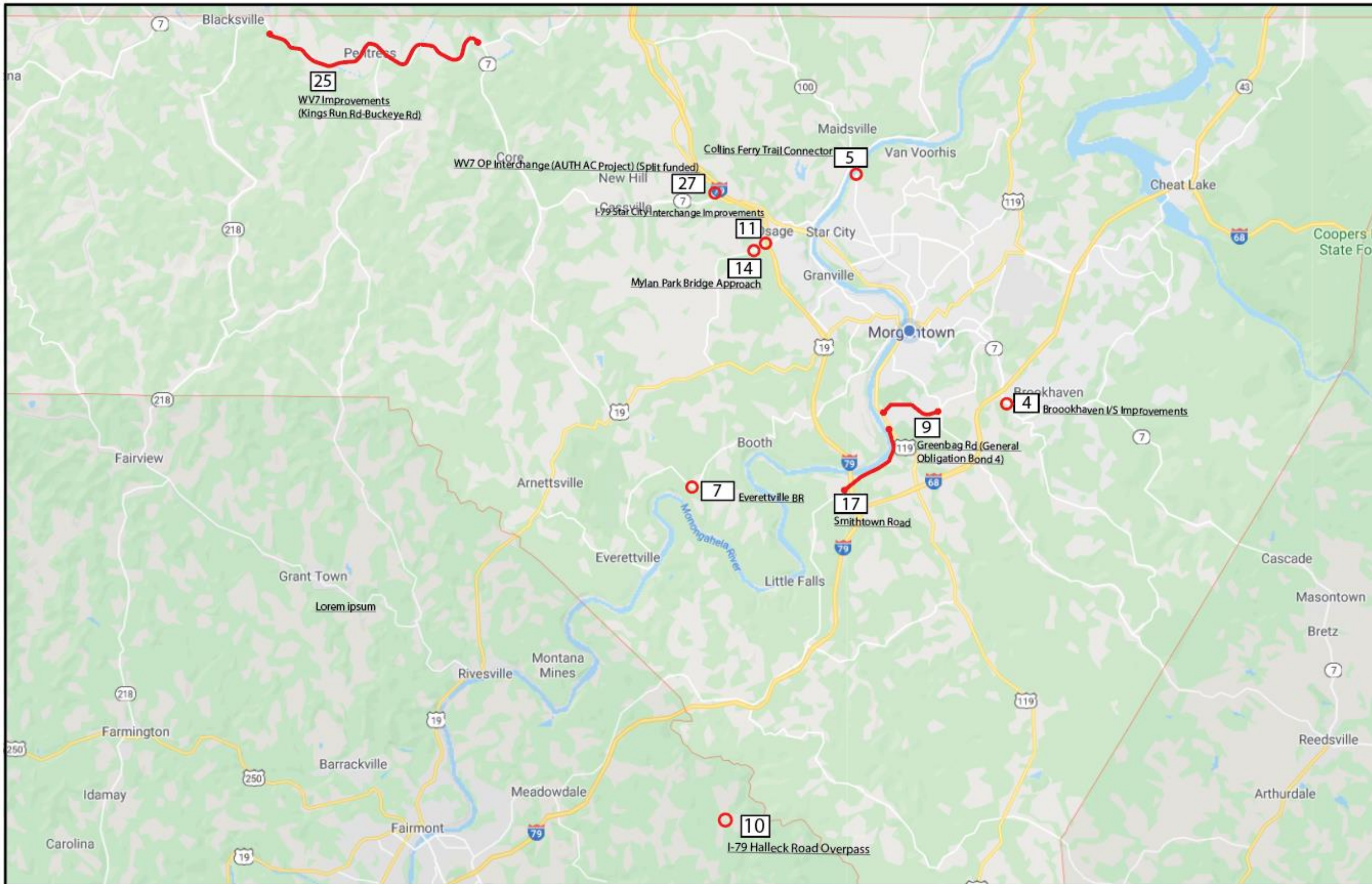
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Month Added	Funding Obligation Date	Project Name	Map ID	Program Type	FFY	Obligation Date Type	Fund Type	Phase	Type of Work	Federal Project Number	Federal Dollar Amount	Total Phase Amount
	11/28/2021	Greenbag Rd (General Obligation Bond 4)	9	Localized Mobility Program	2022	E	STP	ROW	IMPROVE I/S & WIDEN	STP0857020D	\$2,400,000	\$3,000,000
	8/28/2021	Beechurst Ave (General Obligation Bond 4)	2	Localized Mobility Program	2021	E	OTHER	CON	IMPROVE I/S & WIDEN	NFA2317024D	\$0	\$8,000,000
	28/7/2021	West Run Road (General Obligation Bond 4)	23	Localized Mobility Program	2021	E	OTHER	CON	IMPROVE I/S & WIDEN	NFA2317025D	\$0	\$13,000,000
	7/28/2021	WV7 OP Interchange (AUTH AC Project) (Split funded)	27	Regional Mobility Program	2021	E	NHPP	CON	CONST NEW I/C AND ACCESS RD	NHPP0793271	\$4,000,000	\$5,000,000
	7/28/2021	WV7 OP Interchange (AUTH AC Project) (Split funded)	27	Regional Mobility Program	2021	E	STP	CON	CONST NEW I/C AND ACCESS RD	NHPP0793271	\$16,000,000	\$20,000,000
	1/28/2021	Beechurst Ave (General Obligation Bond 4)	2	Localized Mobility Program	2021	E	NHPP	ROW	IMPROVE I/S & WIDEN	NHPP0019444D	\$2,400,000	\$3,000,000
	8/28/2020	Walnut St Streetscape	21	Community Development and Connectivity Program	2020	E	TAP	CON	CONST WALK, CROSSWALKS, CURB CUTS, LIGHTING	TEA2012638D	\$238,000	\$297,500
	8/28/2020	West Run Road	22	Localized Mobility Program	2020	E	HSIP	CON	WIDEN ROAD	HSIP0671006D	\$2,400,000	\$2,400,000
	7/28/2020	Everettville BR	7	Bridge Program	2020	E	STP	CON	REPL	ACST0045069D	\$400,000	\$500,000
	07/28/2020	Star City Trail Connector	18	Community Development and Connectivity Program	2020	E	NRT	CON	CONSTRUCT TRAIL	NRT2015041D	\$73,600	\$92,000
	7/28/2020	Morgantown Bicycle Signage	N/A	Community Development and Connectivity Program	2020	E	TAP	CON	PURCHASE BICYCLE SIGNAGE	TEA2014195D	\$96,000	\$120,000
	6/28/2020	Foundry St Linkage Trail	8	Community Development and Connectivity Program	2020	E	NRT	CON	CONST TRL	NRT2014219D	\$24,256	\$30,320
	6/28/2020	Morgantown Multiuse Path	13	Community Development and Connectivity Program	2020	E	TAP	CON	DESIGN / CONST TRAIL	TAP2016336D	\$300,000	\$375,000
	5/28/2020	Mylan Park Bridge Approach	14	Bridge Program	2020	E	NHPP	CON	REALIGN APPROACHES	NHPP0793270D	\$900,000	\$1,000,000
	5/28/2020	Morris Builders BR	N/A	Bridge Program	2020	E	STP	CON	REPL 2 BRIDGES	ACST1925001D	\$900,000	\$1,125,000
	4/28/2020	Boyers Ave/US 19 Improvements	3	Localized Mobility Program	2020	E	NHPP	CON	WIDEN, TURN LANE, TRAFFIC SIGNAL	NHPP0019439D	\$461,600	\$577,000
	4/28/2020	Brookhaven Rd Improvements	4	Localized Mobility Program	2020	E	CMAQ	ROW	INSTALL TRAVEL LANES; SIGNAL	CMAQ0007263D	\$12,000	\$15,000
	4/28/2020	Brookhaven Rd Improvements	4	Localized Mobility Program	2020	E	CMAQ	CON	INSTALL TRAVEL LANES; SIGNAL	CMAQ0007264D	\$380,000	\$475,000
	4/28/2020	Collins Ferry Trail Connector	5	Community Development and Connectivity Program	2020	E	NRT	CON	CONST TRL	NRT2014221D	\$44,800	\$56,000
	4/28/2020	WV 100 & Dents Run I/S Improvement	24	Localized Mobility Program	2020	E	HSIP	CON	IMPROVE TURNING RADIUS/INTERSECTION	HSIP0100152D	\$150,000	\$150,000
	1/28/2020	Boyers Ave/US 19 Improvements	3	Localized Mobility Program	2020	E	NHPP	ROW	WIDEN, TURN LANE, TRAFFIC SIGNAL	NHPP0019438D	\$800	\$1,000
	1/28/2020	Mylan Park Bridge Approach	14	Bridge Program	2020	E	NHPP	ENG	REALIGN APPROACHES	NHPP0793269D	\$90,000	\$100,000
	12/28/2019	Boyers Ave/US 19 Improvements	3	Localized Mobility Program	2020	E	NHPP	ENG	WIDEN, TURN LANE, TRAFFIC SIGNAL	NHPP0019437D	\$4,000	\$5,000
	12/28/2019	Deckers Creek Landslide R	5	Community Development and Connectivity Program	2020	E	NRT	ENG	DESIGN CONST LANDSLIDE REPAIR	NRT2017161D	\$36,000	\$45,000

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Month Added	Funding Obligation Date	Project Name	Map ID	Program Type	FFY	Obligation Date Type	Fund Type	Phase	Type of Work	Federal Project Number	Federal Dollar Amount	Total Phase Amount
	12/28/2019	BOPARC Trail EQ	N/A	Community Development and Connectivity Program	2020	E	NRT	ENG	EQUIPMENT PURCHASE, TRAIL MAINT	NRT2017162D	\$14,400	\$18,000
	12/28/2019	Mon River Rail Trail MNT EQ	N/A	Community Development and Connectivity Program	2020	E	NRT	ENG	EQUIP PURCHASE	NRT2015294D	\$48,000	\$60,000
	12/28/2019	North Central Rail Map Update	N/A	Community Development and Connectivity Program	2020	E	NRT	ENG	UPDATE & PRINT TRAIL BROCHURE	NRT2015244D	\$20,800	\$26,000
	9/26/2019	Deckers Creek Trail Resurfacing	N/A	Resurfacing Program	2019	A	NRT	CON	PAVE TRAIL	NRT2012693D	\$80,000	\$100,000
	9/26/2019	Deckers Creek Trail Undercut Repair	N/A	Community Development and Connectivity Program	2019	A	NRT	CON	REPAIR EXISTING TRAIL	NRT2012686D	\$120,265	\$150,331
	9/16/2019	University Av/Collins Ferry Ave I/S Improvements	19	Localized Mobility Program	2019	A	CMAQ	CON	I/S IMPROVEMENT	CMAQ0055038D	\$2,039,375	\$2,549,219
	9/4/2019	Morgantown Ped Improvement Design Study WV 705	N/A	Planning and Workforce Development Program	2019	A	HSIP	ENG	Design Study	HSIP0705019D	\$300,000	\$375,000
	8/29/2019	I-79 Access PIE Study	N/A	Planning and Workforce Development Program	2019	A	NHPP	ENG	Design Rpt PIE	NHPP0792200D	\$1,170,000	\$13,000,000
	8/23/2019	Deckers CRK Trail Repair	N/A	Community Development and Connectivity Program	2019	A	NRT	CON	REPAIR TRL	NRT2014223D	\$169,898	\$212,370
	3/28/2019	Pleasant St Streetscape	15	Community Development and Connectivity Program	2019	A	TAP	ENG	CONST SW	TAP2016309DTC	\$160,000	\$160,000
	2/14/2019	Greenbag Rd & WV 7I/S	26	Localized Mobility Program	2019	A	CMAQ	CON	I/S IMPROVEMENT	CMAQ0007248D	\$1,625,258	\$2,031,572
	9/25/2018	Mon Blvd - Stewartstown Rd	12	Community Development and Connectivity Program	2018	A	NHPP	CON	RESURFACE	NHPP0705018D	\$3,355,732	\$4,194,665
	8/07/2018	Airport Exit BR (Garvee 2)	1	Bridge Program	2018	A	OTHER	CON	REPLACE BRIDGE	NFA2217036D	\$0	\$6,300,000
	2/8/2018	West Run Road (General Obligation Bond 4)	23	Localized Mobility Program	2018	A	STP	ENG	IMPROVE I/S & WIDEN	STP0671008D	\$1,520,000	\$1,900,000
	5/10/2018	Morgantown Multiuse Path	13	Community Development and Connectivity Program	2018	A	TAP	ENG	DESIGN / CONST TRAIL	TAP2016335DTC	\$125,000	\$125,000
	3/12/2018	University Av/Collins Ferry Ave I/S Improvements	19	Localized Mobility Program	2018	A	CMAQ	ROW	I/S IMPROVEMENT	CMAQ0055037D	\$792,000	\$990,000
	1/23/2018	Beechurst Ave (General Obligation Bond 4)	2	Localized Mobility Program	2018	A	NHPP	ENG	IMPROVE I/S & WIDEN	NHPP0019443D	\$400,000	\$500,000
	1/23/2018	Van Voorhis Rd (WV 705-West Run Rd)	20	Localized Mobility Program	2018	A	STP	ENG	IMPROVE I/S & WIDEN	STP0059006D	\$480,000	\$600,000





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V Programmed Public Transportation Needs and Funding Streams

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West Virginia University Funding Streams

West Virginia University Personal Rapid Transit (PRT)							Vehicle Replacement
Fiscal Year	PROJECT DESCRIPTION	Adoption Date	FUNDING SOURCE	Federal Funds	Match	Total Cost	100% MPRT Funds
2016-2017	MPRT ATC & AFC Project FY 2013		FTA Section 5337	\$959,307	\$239,828	\$1,199,135	
2017-2018	MPRT Power Distribution Gear Replacement		FTA Section 5337	\$1,439,391	\$345,000	\$1,784,391	
2018-2019	MPRT ATC & AFC Project FY 2014 , 2015, 2016		FTA Section 5337	\$2,681,349	\$670,338	\$3,351,687	\$500,000
2019-2020	MPRT Modernization (LONP) 5337	6/21/2018	FTA Section 5337	\$25,000	\$6,700	\$31,700	
	MPRT Modernization (LONP) 5337		FTA Section 5337	\$927,797	\$232,000	\$1,159,797	\$3,063,965
	State of Good Repair-Section 5337	8/15/2019		\$1,960,267.00	\$490,350	\$2,450,617	
2021-2022	MPRT Modernization (LONP) 5337		FTA Section 5337	\$780,000	\$195,000	\$975,000	\$8,547,401
2022-2023	Vehicle Replacement	6/21/2018	FTA Section 5337	\$0	\$14,650	\$14,650	\$14,650
	MPRT Modernization (LONP) 5337		FTA Section 5337	\$780,000	\$195,000	\$975,000	\$13,577,943
2023-2024	Vehicle Replacement	6/21/2018	FTA Section 5337	\$0	\$14,650	\$14,650	\$14,650
	MPRT Modernization (LONP) 5337		FTA Section 5337	\$780,000	\$195,000	\$975,000	\$3,661,282
2024-2025	Vehicle Replacement	6/21/2018	FTA Section 5337	\$0	\$14,650	\$14,650	\$14,650
	MPRT Modernization (LONP) 5337		FTA Section 5337	\$780,000	\$195,000	\$975,000	
2025-2026	Vehicle Replacement	6/21/2018	FTA Section 5337	\$0	\$14,650	\$14,650	\$14,650
	In \$000's						

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Summary of Highway and Transit Funding

Federal Highway Funding Category	Funding Code	FY2018-2019	FY2019-2020	FY2020-2021	FY2021-2022	FY2022-2023	FY2023-2024	FY2024-2025	FY2025-2026	Total
Surface Transportation Performance Program	STPP	\$2,500,000	\$0	\$7,425,000	\$20,000,000	\$28,000,000	\$20,000,000			\$77,925,000
Highway Safety Improvement Program	HSIP	\$0	\$375,000	\$2,400,000	\$150,000	\$0	\$0			
Transportation Alternatives Program	TAP	\$125,000	\$160,000	\$852,500	\$240,000	\$0	\$0			\$1,377,500
National Highway Performance Program	NHPP	\$4,694,665	\$15,449,030	\$14,983,000	\$8,000,000	\$5,000,000	\$5,000,000			\$53,126,695
Congestion Mitigation and Air Quality Program	CMAQ	\$990,000	\$4,580,791	\$490,000	\$0	\$0	\$0			\$6,060,791
	NFA	\$0	\$0	\$0	\$0	\$66,000,000	\$0			\$66,000,000
Surface Transportation Block Grant program	STBG	\$0	\$2,500,000	\$7,475,000	\$0	\$0	\$0			\$9,975,000
NATIONAL RECREATIONAL TRAILS	NRT	\$0	\$462,701	\$516,570	\$0	\$0	\$0			\$979,271
OTHER		\$6,300,000	\$0	\$0	\$21,000,000	\$0	\$31,000,000			\$58,300,000
Total Highway Funding		\$14,609,665	\$23,527,522	\$34,142,070	\$49,390,000	\$99,000,000	\$56,000,000			\$273,744,257
Transit Funds										
FTA 5307				1952000	1926600	1918800	1918800	1918800	1918800	\$11,553,800
FTA 5310				178500	80000	80000	80000	80000	80000	\$578,500
FTA 5339				438400	638100	0	0	0	0	\$1,076,500
FTA 5311(f)				345300	295300	295300	295300	295300	295300	\$1,821,800
FTA 5339				2372000	150000	150000	150000	150000	150000	\$3,122,000
Total Transit Funding		\$0	\$0	\$5,286	\$3,090	\$2,444	\$2,444			\$18,152,600
Total Federal Funding by Year		\$14,609,665	\$23,527,522	\$34,147,356	\$49,393,090	\$99,002,444	\$56,002,444			\$291,896,857
* This table summarizes Federal Funding ONLY. State and Local funds are identified in individual tables										

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**VI Analysis of Transportation Project Impact on Title VI and Environmental
Justice Communities**

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In keeping with the requirements of Title VI of the Civil Rights Act of 1964 as amended, and with Executive Order 12898 the Morgantown Monongalia MPO identified the location of low income and minority populations including non-English speakers within Monongalia County. The MPO utilized Census data to determine the location of these populations in relation to scheduled transportation improvements and transit service in the area. In reviewing the locational data it became apparent that the majority of these populations are associated with West Virginia University. It is assumed that low-income student populations are more likely to utilize transit and non-motorized forms of transportation.

The maps included in this section of the Transportation Improvement Program demonstrate that the subject populations in the urban area receive significant transportation benefits from the projects included in the TIP. Since none of the highway projects included in the TIP require significant relocation of homes or other long term disruptions of any community, it is reasonable to assume that these communities will not be disproportionately adversely impacted by these actions any more than the members of the community at large.

The Census Bureau's American Community Survey indicated that Monongalia County had an estimated total population of 106,420 as of 2018. Approximately, 73,429 (approximately 69%) of those residents reside in and around the urban core centered on Morgantown.

There were about 10,424 self-reported "non-white" residents in Monongalia County making up 9.7% of the County's population. Approximately 3.4% (350) of these residents live outside of the urban core, with the remaining 10,074 living within the urban core with the highest density living in close proximity to a WVU campus. This area is well served by transit including the PRT, and given the total population density and related traffic volumes it does not appear that they are subject to an undue amount of disruptive activity scheduled in the TIP.

There were 6,914 County residents who report that they speak a language beside English at home. Approximately 21% (1,451) of those residents reside outside of the urban core. The highest density area for this population is in the vicinity of a WVU campus. This area is served by transit including the PRT, and given the total population density and related traffic volumes the area does not appear to have an undue amount of disruptive activity scheduled in the TIP.

A higher percentage (19.5%) or 20,763 of Monongalia County residents report that they are at or below the poverty level than any of the other groups examined. Over 15.3% (3,176) of these residents reside outside of the urban area. Overall the urban area has a significantly higher density poverty level population than the areas of the County outside of the urban area. Within the urban area the highest density of poverty level residents are in the vicinity of WVU's campuses, and in Granville and Westover. These areas are well served by transit and given the total population density and related

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traffic volumes in these areas there does not appear to be an undue amount of disruptive activity scheduled in the TIP.

Environmental Justice Analysis

EJ Block Group Analysis is a system level evaluation on the relations between proposed projects and environmental justice populations. It documents the special relations of proposed projects and EJ Block Groups and the level of planned transportation investment in the area's EJ and non-EJ neighborhoods. Both positive and negative impact of an investment are considered.

EJ Block Group: a census block group with a population that has either: 1) A higher percentage of households in poverty than the county average of 24.0 percent. Or 2) A higher percentage of minority residents than the county average of 9.2 percent.

Non-EJ Block Group: a census block group with a population that has both the same or a lower percentage of households in poverty than the county average of 24.0 percent and the same or a lower percentage of minority residents than the county average of 9.2 percent.

The following tables summarized the results from the Environmental Justice Block Group Analysis.

Based on the analysis described above, it is concluded that:

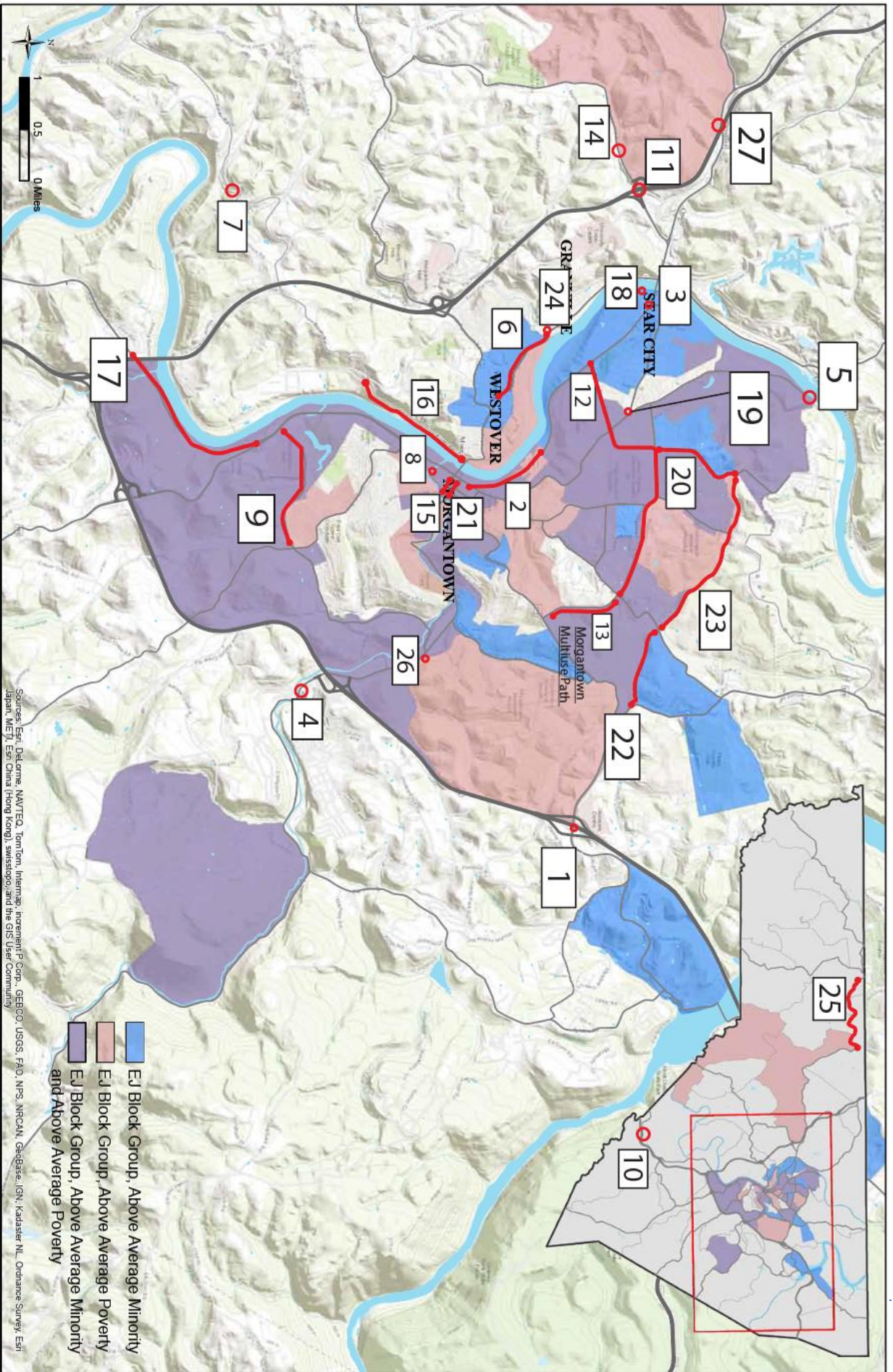
- There are 27 mapped TIP projects, among which 16 projects are located within in the EJ Block Groups, counting approximately 25% of total funding; 7 projects are partly located within in the EJ Block Groups, accounting approximately 65% of total funding; and 4 projects are not located within in the EJ Block Groups, counting approximately 10% of total funding.
- EJ communities are expected to have more direct benefit from the listed TIP projects, as majority of the projects are operational improvements on existing roadways and aimed to improve community coherency and livability.
- Majority of projects are located in areas with the following demographic characteristics:
 - Higher percentage of minority population
 - Higher percentage of low-income population
 - Higher percentage of linguistically isolated population
 - Lower percentage of population with less than high school education

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Map ID	Project Name	Total Phase Amount	Relation with EJ Block Groups
1	Airport Exit BR	\$6,300,000	Partly within
2	Beechurst Ave (General Obligation Bond 4)	\$11,500,000	Within
3	Boyers Ave/US 19 Improvements	\$583,000	Within
4	Brookhaven Rd Improvements	\$490,000	Not within
5	Collins Ferry Trail Connector	\$56,000	Within
6	Dunkard Ave Sidewalks Phase V	\$300,000	Within
7	Everettville BR	\$500,000	Not within
8	Foundry St Linkage Trail	\$30,320	Within
9	Greenbag Rd (General Obligation Bond 4)	\$19,000,000	Within
10	I-79 Halleck Road Overpass	\$13,300,000	Not within
11	I-79 Star City Interchange Improvements	\$66,000,000	Partly within
12	Mon Blvd - Stewartstown Rd	\$4,194,665	Within
13	Morgantown Multiuse Path	\$500,000	Within
14	Mylan Park Bridge Approach	\$1,100,000	Partly within
15	Pleasant St Streetscape	\$160,000	Within
16	River Road (CO45) Slide Repairs	\$9,975,000	Not within
17	Smithtown Road	\$1,510,000	Within
18	Star City Trail Connector	\$92,000	Within
19	University Av/Collins Ferry Ave I/S Improvements	\$3,539,219	Within
20	Van Voorhis Rd (WV 705-West Run Rd)	\$20,600,000	Within
21	Walnut St Streetscape	\$297,500	Within
22	West Run Road	\$2,400,000	Within

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Map ID	Project Name	Total Phase Amount	Relation with EJ Block Groups
23	West Run Road (General Obligation Bond 4)	\$20,700,000	Partly within
24	WV 100 & Dents Run I/S Improvement	\$150,000	Partly within
25	WV 7 Improvements (Kings Run Rd-Buckeye Rd)	\$939,030	Partly within
26	Greenbag Rd & WV 71/S	\$2,031,572	Within
27	WV7 OP Interchange (AUTH AC Project) (Split funded)	\$75,000,000	Partly within
n/a	Morgantown Ped Improvement Design Study WV 705	\$375,000	Not mapped
n/a	I-79 Access PIE Study	\$13,000,000	Not mapped
n/a	Deckers Creek Trail Resurfacing	\$100,000	Not mapped
n/a	Deckers Creek Trail Undercut Repair	\$150,331	Not mapped
n/a	Deckers CRK Trail Repair	\$212,370	Not mapped
n/a	BOPARC Trail EQ	\$18,000	Not mapped
n/a	Caperton Trail Drainage	\$39,250	Not mapped
n/a	Caperton Trail Lighting	\$150,000	Not mapped
n/a	Mon River Rail Trail MNT EQ	\$60,000	Not mapped
n/a	North Central Rail Map Update	\$26,000	Not mapped
n/a	Morgantown Bicycle Signage	\$120,000	Not mapped
n/a	Deckers Creek Landslide R	\$45,000	Not mapped



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCastle, IGN, Kadaster NL, Ordnance Survey, Esri Japan, MEP, Esri China (Hong Kong), Swisstopo, and the GIS User Community

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VII Certification

X Metropolitan Transportation Planning Process Certification

In accordance with 23 CFR 450 334, the West Virginia Department of Transportation and the Morgantown Monongalia Metropolitan Planning Organization, hereby certify that the transportation planning process is addressing the major issues in accordance with all applicable requirements of:

- I. 23 USC 134 49 5303 and this subpart, in non-attainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act as amended (42 USC 7504, 7506, c, (d), and 40 CFR part 93,
- II. Title VI of the Civil Rights Act of 1964 as amended (42 USC 2000d-1) and 49 CFR part 21 49 USC 5332 prohibiting discrimination on the basis of race, color, creed, national origin, or age in employment or business opportunity,
- III. Section 1101(b) of the SAFETEA-LU (Pub. L.109-59) and 49 CFR part 26 regarding the employment of disadvantaged businesses
- IV. 23 CFR part 230, regarding the implementation of an equal opportunity program on Federal-aid highway construction projects
- V. The provisions of the Americans with Disabilities Act of 1990 (42 USC 12101 et seq) and 49 CFR parts 27, 37 and 38The Older Americans Act as amended ((42 USC 6101) prohibiting discrimination on the basis of age in programs or activities receiving Federal Financial Assistance Section 324 of title 23 USX regarding the prohibition of discrimination based on gender
- VI. Section 504 of the Rehabilitation Act of 1973 (29 USC 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities

Morgantown Monongalia MPO

West Virginia Department of Transportation

Signed_____

Signed_____

Title_____

Title _____

Date_____

Date_____