



82 Hart Field Road Suite 105  
Morgantown, WV 26505  
(304) 291-9571  
[www.plantgether.org](http://www.plantgether.org)

### Agenda

MPO Transportation Technical Advisory Committee Meeting  
MPO Conference Room  
Morgantown Airport Terminal  
August 9, 2016  
1:30 PM

1. Call To Order
2. Approval of Minutes
3. Long Range Transportation Plan Update Steering Committee
4. TIP Amendment
5. University Avenue Complete Streets Study Video
6. I-79 Access Study Update
7. Update on Public Input University Avenue Collins Ferry Intersection Project
8. Project Update WVDOH
9. Other Business
10. Meeting Adjournment



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Morgantown, WV 26505  
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### Memorandum

Date: August 3, 2016  
To: Transportation Technical Advisory Committee Members  
From: Bill Austin, AICP  
Subject: August 9, 2016 TTAC Agenda

TTAC members please find below a short description of the items to be considered at the TTAC meeting to be held August 9, 2016 at the MPO's Offices at 1:30. Please let me know if you will be unable to attend this meeting.

**-Metropolitan Transportation Plan Update-**The MPO's Committees will be acting as the Steering Committee for the update of the MPO's Long Range Transportation Plan. We have invited several representatives from around the community to participate with the TTAC on this portion of the Agenda. A separate Agenda for the Metropolitan Transportation Plan portion of this meeting is included in the transmittal email.

**-TIP Amendments-**The Division of Highways has requested that the TIP be amended to include the following projects:

#### **FY 2017 Add**

**-North Central Rail Trail Map Update-**Update and print Trail Brochure-Federal Project Number NRT (FHWA Trails program) NRT2015244D Total Cost \$26,000 Federal Funds \$20,800

**-Mon River Trail Map-**Develop and Print Trail Map-Federal Project Number NRT2015250D Total Cost \$26,800 Federal Funds \$21,440

It is respectfully requested that the TTAC recommend approval of this TIP Amendments to the MPO's Policy Board. The Division of Highways has also requested that the MPO Administratively Adjust the TIP by moving the Campus Drive intersection project to FY 2017. This item does not require any action.

**-University Avenue Complete Street Study Video-** The consultants for the University Avenue Complete Streets Study have developed a video demonstrating many of the proposed improvements to University planned in the Study. MPO Staff will display the video as part of the TTAC Meeting.

**-Collins Ferry/University Avenue Intersection Improvement Project-**The Division of Highways is seeking public comments on alternatives to improve the subject intersection. WVDOH will be making a presentation on this project at the MPO Policy Board meeting. Please find enclosed with your agenda packet the materials WVDOH will be distributing to solicit comments on this project.



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## **MINUTES**

MPO Transportation Technical Advisory Meeting  
Morgantown Airport Terminal Building 1<sup>st</sup> Floor  
Morgantown Monongalia MPO Conference Room  
June 7, 2016  
1:30 PM

### **Members Present**

Damien Davis-City of Morgantown, Brian Carr-WV DOH, Dave Bruffy-MLTA, Bill Austin-MMMPO, Rich Wood-Monongalia County Planning, John Whitmore-City of Morgantown, Arlie Forman-WVU

### **Members Absent**

Ron Snyder, James Meadows, Donny Williams, Fouad Shoukry, Chris Fletcher, Scott Wright, Chandra Inglis Smith, Clement Solomon-WVU

### **Others Present**

Jing Zhang-MMMPO

### **1. Call to Order**

Mr. Austin called the meeting to order at 1:30 PM. Meeting attendees introduced themselves.

### **2. Approval of the Minutes**

Mr. Austin noted that the minutes of the March meeting were included in the agenda packet.

Mr. Bruffy moved to approve the minutes; seconded by Mr. Wood. With no discussion, the motion was unanimously approved.

### **3. TIP Amendments**

Mr. Austin noted that the Division of Highways has requested a TIP Amendment for a slide repair and resurfacing project near the intersection of River Road and DuPont Road. Mr. Wood asked if it is a project of emergency response, and how traffic will be impacted by the construction. Mr. Carr noted that it is not an emergency project. The traffic will be partly shut down during the construction due to the type of terrain adjacent to the project site. Mr. Wood moved to recommend approval of the TIP Amendment to the Policy Board; seconded by Mr. Bruffy. With no discussion, the motion was unanimously approved.

#### **4. MPO Traffic Count Report**

Mr. Austin noted that a draft Traffic Count Report of 2016 was included in the agenda package for review. The report contains detailed information for each count station, including directional volume, peak hours, and 24 hour traffic volume by 15 minute interval. MPO Staff will request 10 locations for recount this fall to insure the correctness of the data. Mr. Bruffy moved to accept the draft Traffic Count Report; seconded by Mr. Davis. With no discussion, the motion was unanimously approved.

#### **5. UPWP Amendment**

Mr. Austin noted that changing conditions have prompted MPO staff to request that the MPO amend two line items in the FY 2016-2017 Unified Planning Work Program. The first one is to include an additional \$212,500 in the Consulting Services Line item to fulfill the MPO's contractual obligation to our consultants.

Mr. Austin noted that this is a reschedule of funding with no change in the total cost of the contractual services. He noted that the MPO has the local match required for this amendment to the UPWP, no additional match will be required.

The second line item change is to revise the Health Insurance line item. MPO Staff originally projected that PEIA premiums would increase by 3%. Current discussions in Charleston indicate that the premiums may increase by 12% or more. MPO Staff recommends that this line item be increased by \$2,000 to anticipate any changes to PEIA premiums that may come forward. This change will not require an increase in local matching funds. Mr. Bruffy moved to recommend approval of the UPWP Amendment to the Policy Board; seconded by Mr. Davis. With no discussion, the motion was unanimously approved.

#### **6. University Avenue Complete Streets Study Revision**

Mr. Austin noted that the Policy Board requested MPO staff revise some parts of the Study to address comments received by the Policy Board. Mr. Bruffy noted that the Policy Board has suggested revisions of language regarding proposals at three locations. They are the Grumbein's Island, the Loop area, and the Beverly Ave area.

Mr. Carr noted this plan is essentially a concept and should not be reviewed as a final solution to solve the problems in the study area. Mr. Bruffy concurred. The plan provides a general guidance for future development and the final project-level solution will be decided by implementing agencies. He noted that the revised language helped to clarify that purpose. Mr. Davis noted that the city staff agrees with the revised language in the draft report.

#### **7. I-79 Access Study Update**

Mr. Austin noted that the MPO staff will meet the consultant and DOH staff in Charleston to discuss preliminary findings from the traffic analysis on the alternatives identified in the Study. Mr. Bruffy will join the meeting through Skype. Mr. Bruffy noted that including DOH staff in the discussion is constructive to the planning process. Mr. Carr asked about the purpose of that meeting. Mr. Austin noted that its purpose is to conduct a technical review of the potential impact of each alternatives and to identify preferred alternatives for further investigation.

## **8. Status Report on ongoing projects**

Mr. Carr noted that the project on the intersection of Mileground Rd and Cheat Rd will be constructed next summer. The intersection will be closed for 3 weeks during its construction. The DOH has adopted an alternative to improve the intersection of WV 7 and Greenbag Rd. The construction is scheduled in Oct, 2017. Mr. Bruffy noted that the WVDOH should avoid constructing both projects at the same time. Mr. Wood concurred. Mr. Davis noted that city and WVDOH will be working on signal improvements next year. Mr. Bruffy noted that the MLTA is willing to work with the city on any signal changes that could improve transit service efficiency and safety.

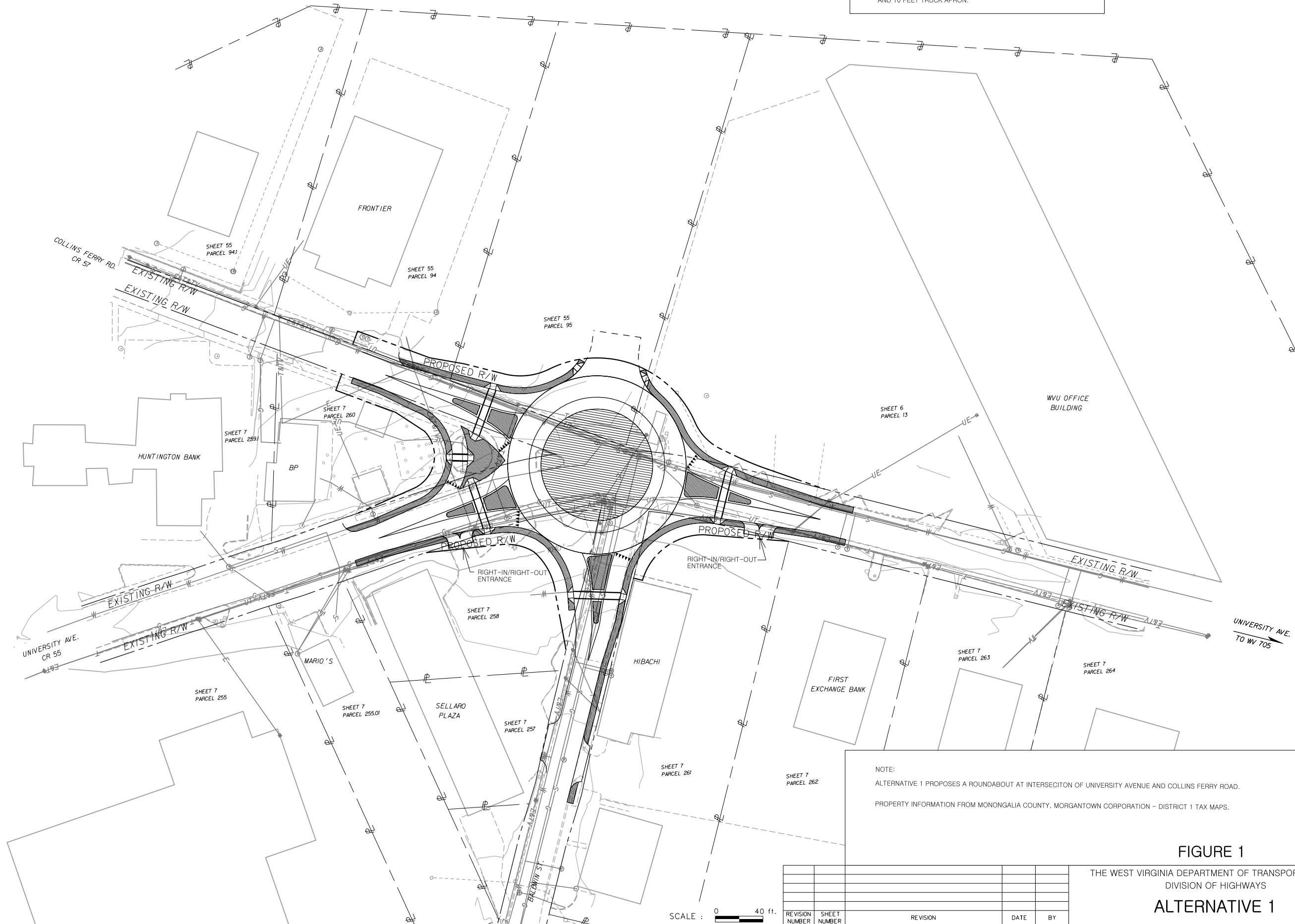
Mr. Bruffy noted that the MLTA will enhance the level of transit service in the area west of I-79, including the Mylan Park and Morgantown Mall area. The improvements will include higher service frequency and extended operation time.

## **9. Meeting Adjournment**

There being no further business. The meeting adjourned at 2: 21 PM.

DESIGN CRITERIA:  
 SINGLE-LANE ROUNDABOUT UTILIZED WITH  
 INSCRIBED CIRCLE DIAMETER OF 150 FEET.  
 ROUNDABOUT HAS A 18 FEET TRAVEL LANE  
 AND 10 FEET TRUCK APRON.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	4				MONONGALIA		



NOTE:  
 ALTERNATIVE 1 PROPOSES A ROUNDABOUT AT INTERSECTION OF UNIVERSITY AVENUE AND COLLINS FERRY ROAD.  
 PROPERTY INFORMATION FROM MONONGALIA COUNTY, MORGANTOWN CORPORATION - DISTRICT 1 TAX MAPS.



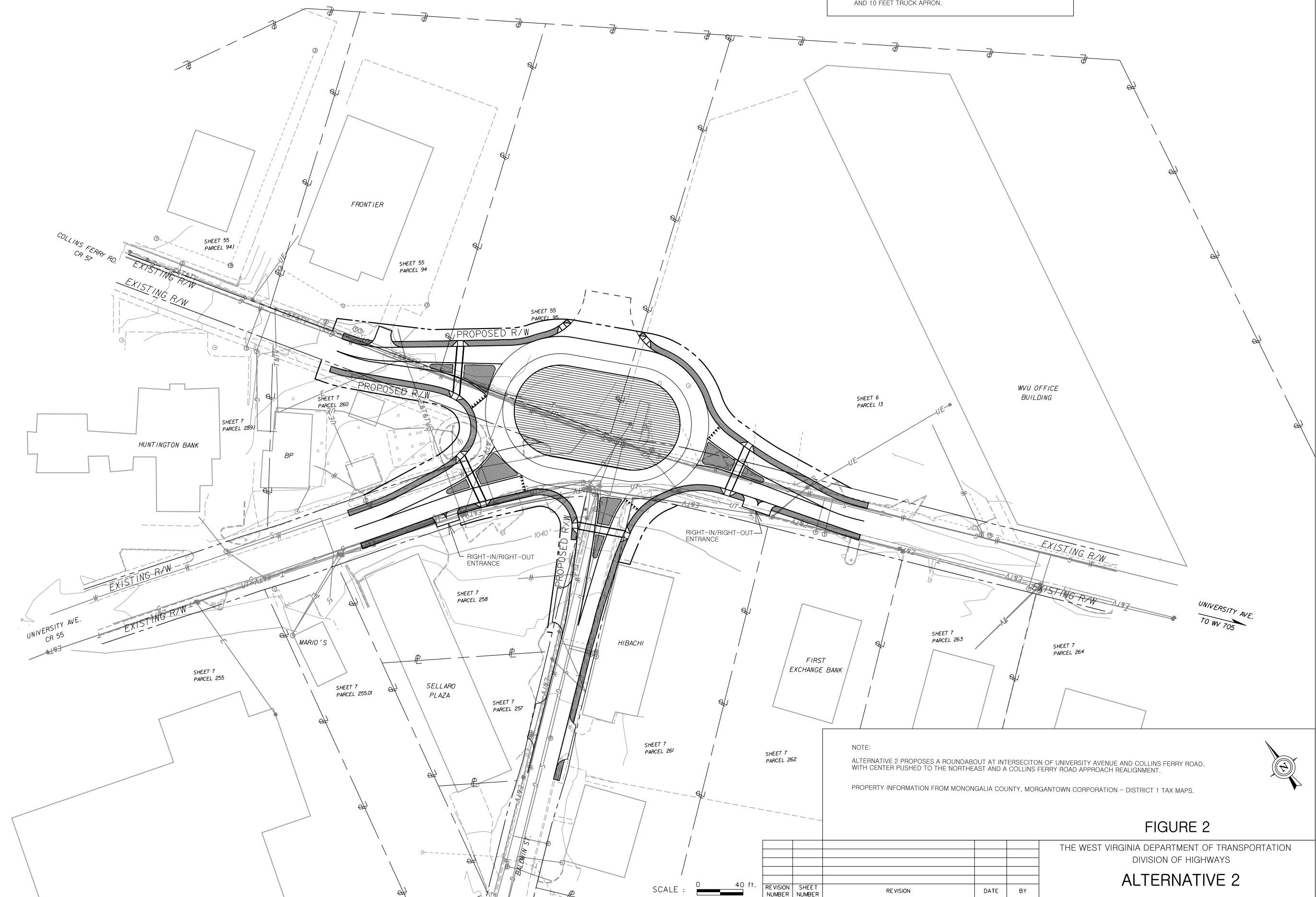
**FIGURE 1**  
 THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**ALTERNATIVE 1**

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

SCALE : 0 40 ft.

DESIGN CRITERIA:  
 SINGLE-LANE OVAL ROUNDABOUT UTILIZED WITH  
 INSCRIBED CIRCLE DIAMETER OF 130 FEET.  
 ROUNDABOUT HAS A 15 FEET TRAVEL LANE  
 AND 10 FEET TRUCK APRON.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	4				MONONGALIA		



NOTE:  
 ALTERNATIVE 2 PROPOSES A ROUNDABOUT AT INTERSECTION OF UNIVERSITY AVENUE AND COLLINS FERRY ROAD,  
 WITH CENTER PUSHED TO THE NORTHEAST AND A COLLINS FERRY ROAD APPROACH REALIGNMENT.  
 PROPERTY INFORMATION FROM MONONGALIA COUNTY, MORGANTOWN CORPORATION - DISTRICT 1 TAX MAPS.



**FIGURE 2**  
 THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**ALTERNATIVE 2**

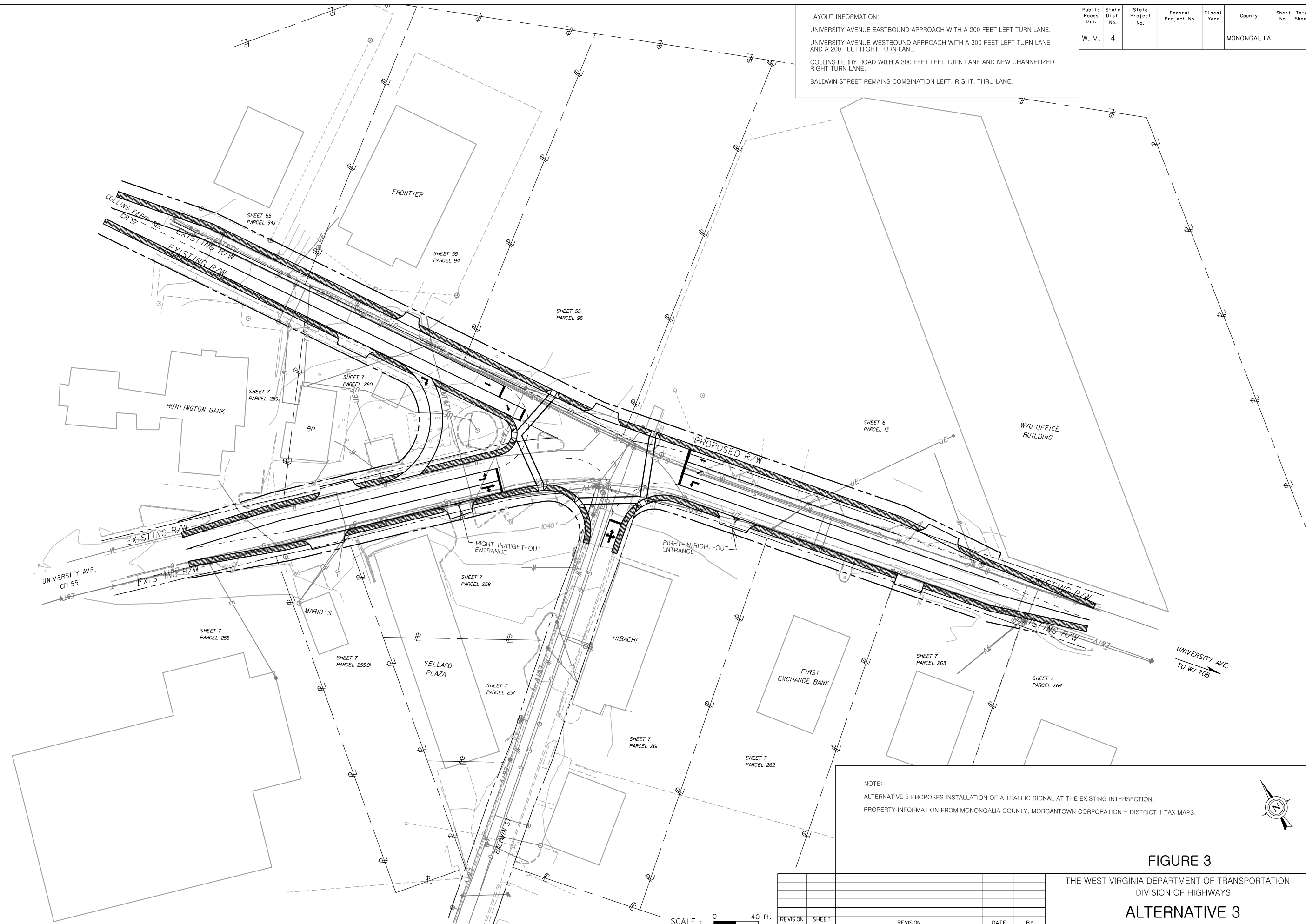
SCALE : 0 40 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY



LAYOUT INFORMATION:  
 UNIVERSITY AVENUE EASTBOUND APPROACH WITH A 200 FEET LEFT TURN LANE.  
 UNIVERSITY AVENUE WESTBOUND APPROACH WITH A 300 FEET LEFT TURN LANE AND A 200 FEET RIGHT TURN LANE.  
 COLLINS FERRY ROAD WITH A 300 FEET LEFT TURN LANE AND NEW CHANNELIZED RIGHT TURN LANE.  
 BALDWIN STREET REMAINS COMBINATION LEFT, RIGHT, THRU LANE.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	4				MONONGALIA		



NOTE:  
 ALTERNATIVE 3 PROPOSES INSTALLATION OF A TRAFFIC SIGNAL AT THE EXISTING INTERSECTION.  
 PROPERTY INFORMATION FROM MONONGALIA COUNTY, MORGANTOWN CORPORATION - DISTRICT 1 TAX MAPS.



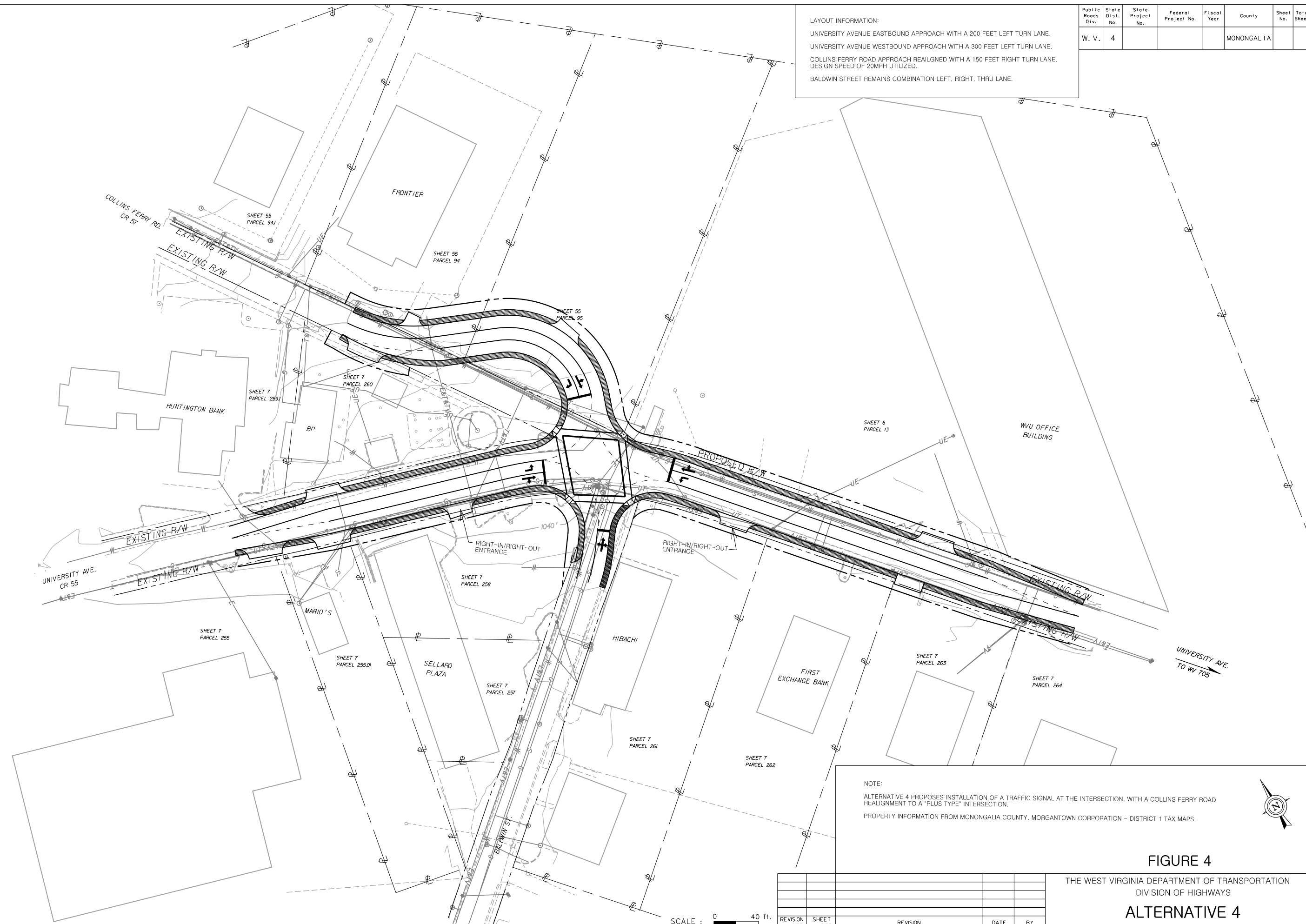
**FIGURE 3**  
 THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**ALTERNATIVE 3**

SCALE : 0 40 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

LAYOUT INFORMATION:  
 UNIVERSITY AVENUE EASTBOUND APPROACH WITH A 200 FEET LEFT TURN LANE.  
 UNIVERSITY AVENUE WESTBOUND APPROACH WITH A 300 FEET LEFT TURN LANE.  
 COLLINS FERRY ROAD APPROACH REALIGNED WITH A 150 FEET RIGHT TURN LANE.  
 DESIGN SPEED OF 20MPH UTILIZED.  
 BALDWIN STREET REMAINS COMBINATION LEFT, RIGHT, THRU LANE.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	4				MONONGALIA		



NOTE:  
 ALTERNATIVE 4 PROPOSES INSTALLATION OF A TRAFFIC SIGNAL AT THE INTERSECTION, WITH A COLLINS FERRY ROAD REALIGNMENT TO A "PLUS TYPE" INTERSECTION.  
 PROPERTY INFORMATION FROM MONONGALIA COUNTY, MORGANTOWN CORPORATION - DISTRICT 1 TAX MAPS.

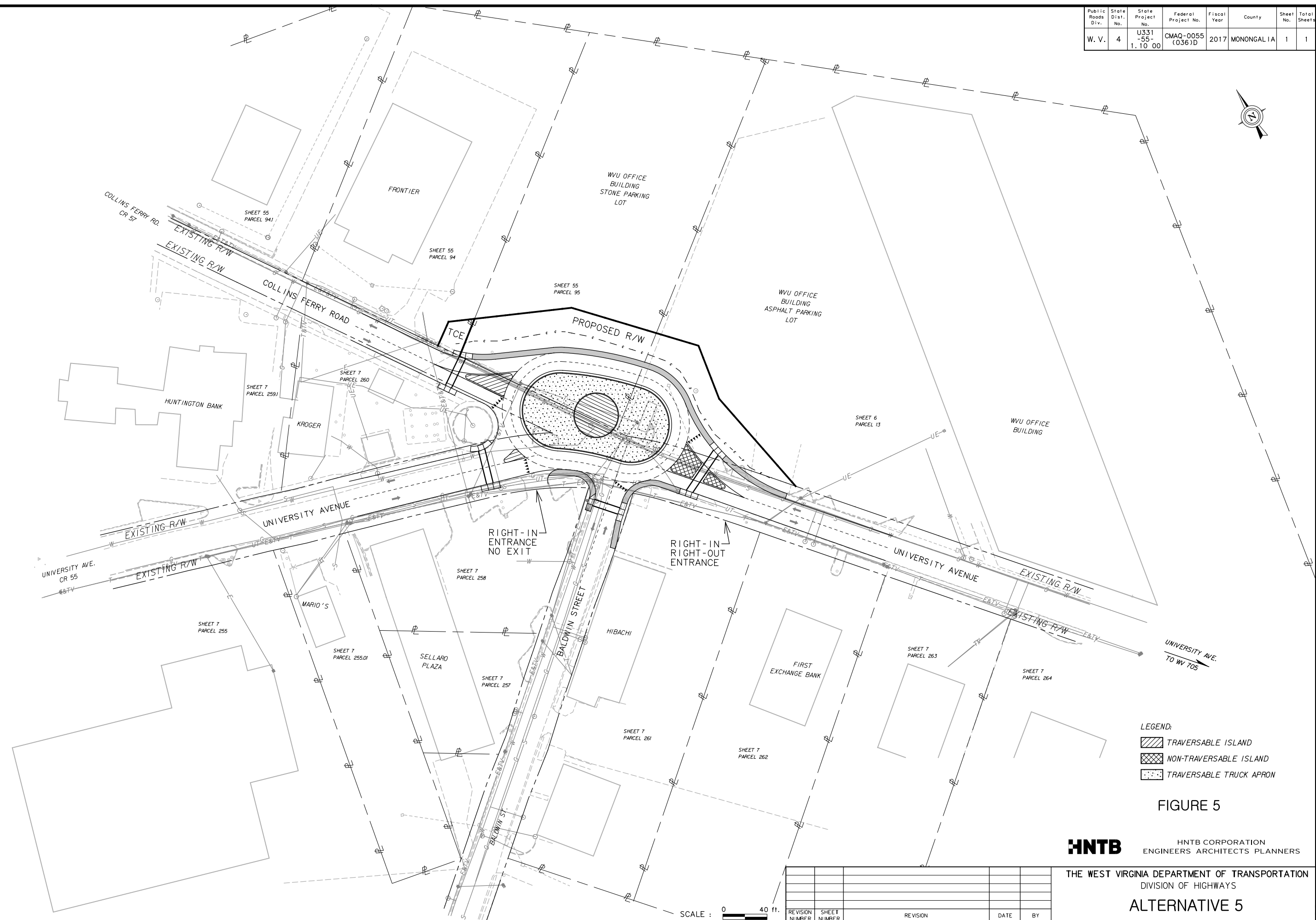


**FIGURE 4**  
 THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**ALTERNATIVE 4**

SCALE : 0 40 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	4	U331-55-1.10.00	CMAQ-0055 (036)D	2017	MONONGALIA	1	1



**LEGEND:**  
 TRAVERSABLE ISLAND  
 NON-TRAVERSABLE ISLAND  
 TRAVERSABLE TRUCK APRON

**FIGURE 5**

**HNTB** HNTB CORPORATION  
 ENGINEERS ARCHITECTS PLANNERS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

**ALTERNATIVE 5**

SCALE : 0 40 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY



Morgantown Monongalia Metropolitan Planning Organization  
**2016-2045 Metropolitan Transportation Plan Update**

**1<sup>st</sup> TTAC Internal Review**

MPO Conference Room  
Morgantown Airport Terminal Building  
82 Hart Field Rd Suite 105  
August 9, 2016 | 1:30 PM

Agenda

1. Introduce the Metropolitan Transportation Plan Update Process
2. Review Goals, Objectives, and Ranking Criteria
3. Update on the Status of Tier 1 Projects in the Current Plan
4. Review Community Outreach Material
5. Initial Comments on the Update



Morgantown Monongalia Metropolitan Planning Organization  
**2016-2045 Metropolitan Transportation Plan Update**  
**1<sup>st</sup> TTAC Internal Review**

Memorandum

Date: July 29, 2016

To: Metropolitan Transportation Plan Update Committee Members

From: MPO Staff

Subject: August 9, 2016, Internal Review Meeting Agenda

Please find below a short description of the items to be considered at the August 9, 2016 Internal Review Meeting for the MPO's Metropolitan Transportation Plan Update. The meeting will be held at the MPO Conference Room at the Morgantown Airport Terminal Building at 1:30 PM.

**--Introduce the Metropolitan Transportation Plan Update Process.** Please find enclosed a draft meeting schedule. It is anticipated that internal reviews will be conducted at regular TTAC meeting in August, November, January, and March. Public meetings will be held in October and February. Also enclosed is a schedule of the tasks that MPO staff will undertake during the update process.

**--Goals, Objectives, and Ranking Criteria Review.** Please review the goals and objectives defined in the previous Long Transportation Transportation Plan adopted in 2013. To reflect expanded planning consideration factors under the FAST Act, MPO staff recommend adding two objectives. They are storm water impact mitigation and tourism enhancement. Goals and Objectives will be presented to the public in October and will be considered for revision in the next internal review meeting.

Based on those planning factors, MPO staff developed a set of project ranking criteria for the Update. The ranking criteria is an informational item and no action is required at this meeting. It is respectfully requested that, after the meeting, committee members assign a score to each criterion to reflect its desirable weight in prioritization. MPO staff will send an online survey to committee members for the criteria ranking. The criteria score will be discussed and decided in the next internal review meeting.

**--Status of Tier 1 Project.** MPO staff summarized major progress made for the tier 1 projects since the adoption of current long range transportation plan in 2013. A map of tier 1 projects is attached.

MPO staff updated environmental justice block groups based on 2014 American Community Survey and used EJSCREEN to assess potential impact of each tier 1 project. Please review the results of those analysis. Assessment methodologies and process are explained.

**--Community Outreach Material Review.** Please review the community outreach material, which include a public questionnaire, a project website, and a brochure. Once approved by internal review committees, the material will be released to the public.

**--Initial Comments on the Update.** The internal review committee members are encouraged to provide any comments on the Update process to improve the metropolitan transportation plan.

Morgantown Monongalia Metropolitan Planning Organization  
**2016-2045 Metropolitan Transportation Plan Update**  
**Planning Process-Meeting Schedule**

*Updated by July 18, 2016*

**1<sup>st</sup> Internal Review Meetings | August, 2016**

- Introduce the Metropolitan Transportation Plan Update process
- Review the goals, objectives, and ranking criteria
- Review the status of tier 1 projects in the current plan.
- Review community outreach material (surveys, brochure, and website)
- Identify initial concerns and recommendations for the Update

**Community Outreach/Release of Community Survey | August, 2016 (after 1st Internal Review Meetings)**

**1<sup>st</sup> Public Meeting | October, 2016**

**2<sup>nd</sup> Internal Review Meeting | November, 2016**

- Review the report on existing conditions
- Review proposed changes in the Update (1<sup>st</sup> review)
- Review community outreach material and the report on community outreach
- Define and prioritize project ranking criteria

**3<sup>rd</sup> Internal Review Meetings | January, 2017**

- Review the update on the Regional Travel Demand model (based on the I-79 Access Study)
- Review proposed changes in the Update (2<sup>nd</sup> review)
- Tier 1 project prioritization

**2<sup>nd</sup> Public Meeting | January/February, 2017**

**Summary of Community Outreach | February, 2017**

**Special Internal Review Meetings | February, 2017 (if necessary)**

- Review final changes to the Updates

**4<sup>th</sup> Internal Review Meetings | March, 2017**

- Adoption of the Metropolitan Transportation Plan Update

Morgantown Monongalia Metropolitan Planning Organization  
**2016-2045 Metropolitan Transportation Plan Update**  
**Planning Process-Task Schedule**

*Updated by July 28, 2016*

		2016												2017									
		July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	
Community Involvement	General Management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Internal Committee Review		X																				
	Public Meeting		X		X																		
	Freight Stakeholder Meeting					X																	
	Community Survey	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Technical Analysis	Public outreach (Brochure, Website, etc.)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Travel demand Model Update																						
	Existing Condition Analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Environmental Justice Analysis	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Project Evaluation																						
Policy Update	Goals and Objectives Review		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Project Rank Criteria Review		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Project Prioritization																						
	Plan Update Review																						
	Documentation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Morgantown Monongalia Metropolitan Planning Organization  
**2016-2045 Metropolitan Transportation Plan Update**  
**Goals and Objectives Review**

Based on 2013-2040 Long Range Transportation Plan  
*Draft, Updated by July 12, 2016*

**Goal #1: A multimodal transportation system that efficiently moves people and goods**

- Objective 1 A: To eliminate/reduce current congestion and multimodal traffic flow restrictions on arterial and collector roadways
- Objective 1 B: To ensure that future development and related transportation improvements address capacity and connectivity needs proactively rather than reactively
- Objective 1 C: Improve ingress/egress to the most densely developed/highest activity areas of region
- Objective 1 D: Provide adequate transportation capacity and access to support current businesses
- Objective 1 E: Focus capacity improvements for all modes in areas of desired future growth and development that support the public's vision for the region

**Goal #2: A transportation system in which all modes are highly integrated and connected**

- Objective 2 A: To allow for convenient transfer from one mode to another in the region (i.e. biking to bus, vanpooling to bus, etc.) to maximize travel efficiency
- Objective 2 B: To encourage the use of the most efficient mode based on the distance and characteristics of a particular trip
- Objective 2 C: Increase the geographic area in which people have convenient access to non-automobile modes
- Objective 2 D: Reduce reliance on automobile for travel
- Objective 2 E: Better serve those who do not/cannot own and drive a personal automobile
- Objective 2 F: To allow for efficient transfers of goods between modes (air, pipeline, river, rail)
- Objective 2 G: Improve and expand infrastructure for pedestrians, bicyclists and people with disabilities
- Objective 2 H: Increase use of existing rail-trails for transportation purposes

**Goal #3: A multimodal transportation system that safely moves people and goods**

- Objective 3 A: To minimize crashes, especially injury/fatality crashes, by 50% through improvements to high crash locations, improvements to local enforcement of traffic laws, and education of transportation system users
- Objective 3 B: To ensure that future growth and related transportation improvements address transportation safety needs in planning and design

**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, especially areas of higher bicycle and pedestrian demand**

- Objective 4 A: Reduce truck traffic in residential neighborhoods and on other streets where significant numbers of bicycles and pedestrians are present
- Objective 4 B: Improve truck access to key industrial areas
- Objective 4 C: Increase options for freight movement that minimizes truck traffic on non-interstate roadways



**Goal #5: Greater collaboration between local agencies, state officials, and private interests in the pursuit and funding of transportation improvements**

- Objective 5 A: More effective and less costly transportation improvements by capitalizing on common goals and needs between communities and agencies in the region
- Objective 5 B: Higher quality transportation system improvements due to cost sharing and collaboration
- Objective 5 C: Transportation improvements that support the public's long-term vision for the region

**Goal #6: A transportation system that is attractive, sustainable, and livable**

- Objective 6 A: Integrate the local context of the area into the planning, design, and construction of transportation improvements
- Objective 6 B: Include sustainability features in design of transportation improvements that minimize environmental impacts
- Objective 6 C: Address multimodal system needs in all planning, design, and construction of transportation improvements
- \*Objective 6 D: Reduces or mitigate the storm water impacts of surface transportation
- \*Objective 6 E: Enhance travel and tourism in the Morgantown Monongalia urban area

**Goal #7: Reduce automobile trip demand, especially during peak travel hours**

- Objective 7 A: Reduce the need to construct costly transportation and parking infrastructure improvements
- Objective 7 B: Invest in transportation improvements that encourage and support development/land use patterns that decrease need to travel
- Objective 7 C: Reduce automobile emissions and improve air quality
- Objective 7 D: 50% increase in trips made by walking
- Objective 7 E: 5% of all trips made by bicycle by 2025
- Objective 7 F: Increase number of trips made by public transit by 200%
- Objective 7 G: Increase work telecommuting and virtual lectures (WVU)
- Objective 7 H: Increase average vehicle occupancy by 50%

**Goal #8: A multimodal transportation system that enhances the homeland security of the region**

- Objective 8 A: Heighten awareness of homeland security needs related to transportation
- ~~\*Objective 8 B: Improve understanding of critical transportation system related homeland security issues in the region. Improves transportation system resiliency and reliability~~
- Objective 8 C: Incorporate homeland security needs in transportation project planning, design, and construction

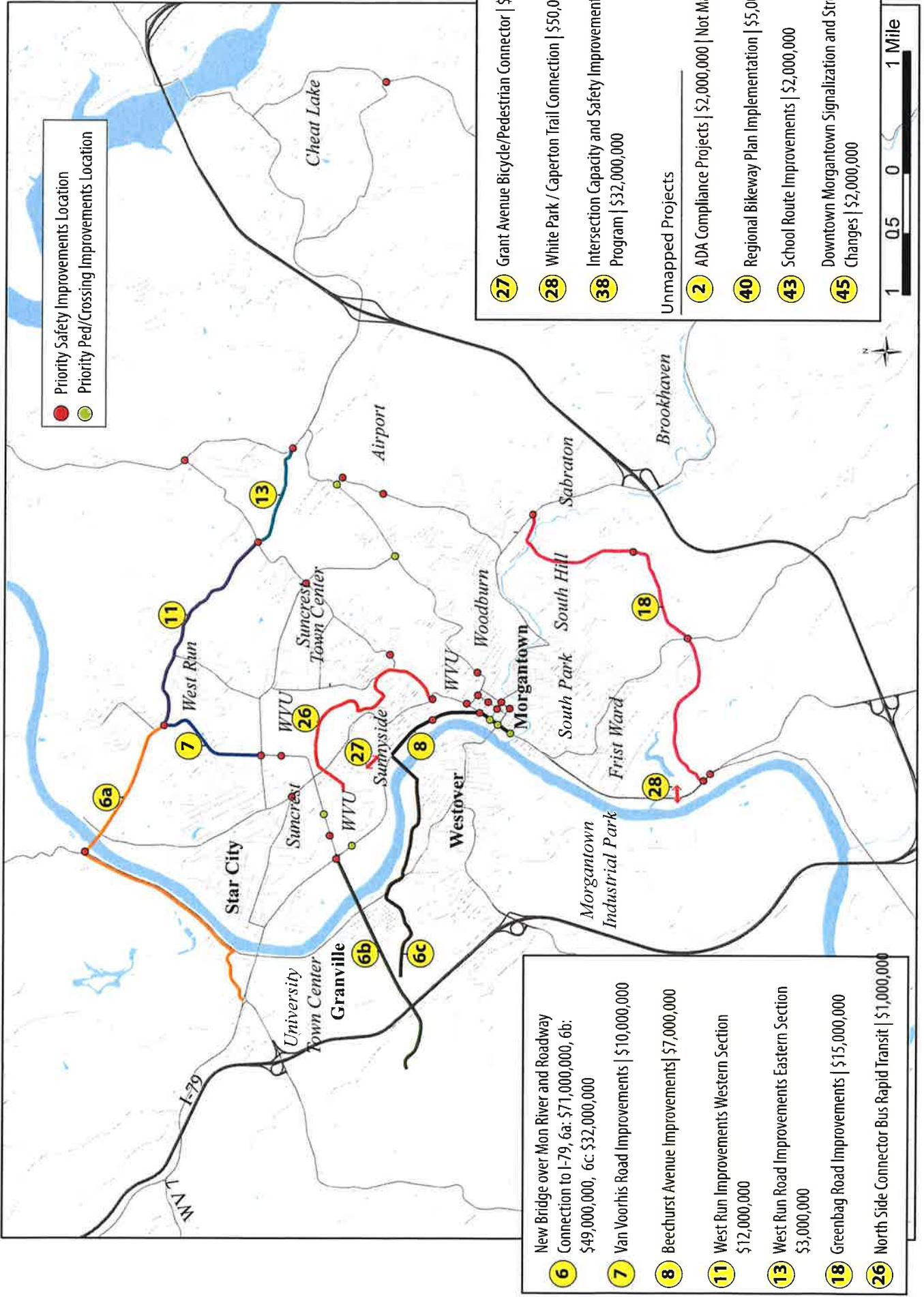
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\*MPO Staff suggest to add or modify this objective for the Update. The FACT Act adopted in 2015 expended planning consideration factors to include this issue.

Morgantown Monongalia Metropolitan Planning Organization  
**2016-2045 Metropolitan Transportation Plan Update**  
**Project Ranking Criteria**  
 (Based on FHWA Metropolitan Planning Factors)  
*Draft, Updated by July 12, 2016*

Evaluation Criteria	Score
<b>TOTAL POSSIBLE POINTS</b>	<b>100</b>
<b>SYSTEM PRESERVATION &amp; ENHANCEMENT</b>	
Project improves existing route	+
Project improves traffic flow	+
Project reduces or mitigate the storm water impacts of surface transportation	+
Project has sustainable operations/ongoing maintenance support	+
<b>QUALITY GROWTH &amp; SUSTAINABLE DEVELOPMENT</b>	
Project improves access to encouraged/controlled growth area	+
Project supports infill/redevelopment	+
Project located near mixed-use, high density areas	+
Project contributes to roadway network connectivity	+
<b>ECONOMIC PROSPERITY</b>	
Project located near existing jobs/high job growth areas	+
Project improves access to retails/activity center	+
Project enhances travel and tourism	+
Project endorsed by the Chamber of Commerce	+
<b>MULTI-MODAL OPTIONS</b>	
Project is located within a planned/existing multi-modal corridor	+
Project reduced inter-modal conflict (e.g. traffic signals, intersection improvements)	+
Project includes transit accommodations (e.g. signal priority, pullouts, shelters)	+
Project includes pedestrian amenities	+
Project includes bicycle facility improvements	+
Project makes a connection to another modal facility	+
<b>SAFETY &amp; SECURITY</b>	
Project includes geometrical improvements for the safety of drivers, pedestrians, and cyclists.	+
Projects includes signage/wayfinding	+
Project includes appropriate traffic calming techniques	+
Projects address a high crash location (intersection/corridor)	+
Projects improves transportation system resiliency and reliability	+
Projects reduces the safety of drivers, pedestrians, or cyclists	-
<b>FREIGHT &amp; GOODS MOVEMENTS</b>	
Project improves route with significant existing/anticipated truck movements	+
Project improves access to major good/freight distribution centers	+
Project address existing/anticipated freight-passenger conflict	+
<b>EQUITY, HEALTH &amp; ENVIRONMENT</b>	
Project improves accessibility for low-income/minority communities	+
Project corrects ADA Non-compliance	+
Project includes transportation choices for the disable/aging population	+
Project promotes physical activity	+
Project improves access to healthy food and health facilities	+
Project has potential negative impact on natural or socio-cultural resources	-
<b>COMMUNITY SUPPORT &amp; CONSISTENCY</b>	
Project is considered as top local priority by public officials	+
Project has documented supports/needs from the community	+
Project has been considered in funding/grant applications	+
Project has been proposed in other plans/studies other than the LRTP	+



# 2016-2045 Metropolitan Transportation Plan Update Current Tier 1 Project Map



● Priority Safety Improvements Location  
● Priority Ped/Crossing Improvements Location

- 6** New Bridge over Mon River and Roadway Connection to I-79, 6a: \$71,000,000, 6b: \$49,000,000, 6c: \$32,000,000
- 7** Van Voorhis Road Improvements | \$10,000,000
- 8** Beechurst Avenue Improvements | \$7,000,000
- 11** West Run Improvements Western Section | \$12,000,000
- 13** West Run Road Improvements Eastern Section | \$3,000,000
- 18** Greenbag Road Improvements | \$15,000,000
- 26** North Side Connector Bus Rapid Transit | \$1,000,000

- 27** Grant Avenue Bicycle/Pedestrian Connector | \$900,000
- 28** White Park / Caperton Trail Connection | \$50,000
- 38** Intersection Capacity and Safety Improvement Program | \$32,000,000
- Unmapped Projects
- 2** ADA Compliance Projects | \$2,000,000 | Not Mapped
- 40** Regional Bikeway Plan Implementation | \$5,000,000
- 43** School Route Improvements | \$2,000,000
- 45** Downtown Morgantown Signalization and Street Changes | \$2,000,000



**Morgantown Monongalia Metropolitan Planning Organization  
2016-2045 Metropolitan Transportation Plan Update  
Project Status and Evaluation (Tier 1 Project Only)**

*Draft, Updated by July 13, 2016*

Project Number	Project (Cost Estimate)	Status Update			Sources
		Type	Scope		
2	ADA Compliance Project (\$2,000,000)	Subarea Plan	Opportunities for sidewalk/crosswalk improvements in Westover and Granville	Westover-Granville Pedestrian Study	
		Subarea Plan	Opportunities for sidewalk/crosswalk improvements on Greenbag Rd	Greenbag Rd Corridor Study	
		Design Proposal	Opportunities for sidewalk/crosswalk improvements on University Ave	University Ave Street Study	
		Construction	Sidewalk/crosswalk on Mileground Rd (committed)	WV Division of Highways	
		Construction	Sidewalk/crosswalk on Beechurst Ave	WV DOH/City of Morgantown	
6	New Bridge over Mon River and Roadway Connection to I-79, (\$32,000,000-\$71,000,000)	Purpose and Need Study	Identify and document the purpose and need for additional accesses to I-79 and evaluate potential routes and their impact on traffic, environment, and social economics.	I-79 Access Study (ongoing)	
7	Van Voorhis Road Improvements, (\$10,000,000)	Programming	Widening, Engineering(2018), Right of Way(2019), Construction (2020)	MMMPO TIP Amendments	
		Construction	Drainage and resurfacing, including providing paved shoulders for bicycle and pedestrian travel.	WV Division of Highways, MUB	
		Construction	Bicycle May Use Full Lane Signs and sharrows (committed)	WV DOH/City of Morgantown	
8	Beechurst Ave Improvements (\$7,000,000)	Design Proposal	Adding a dedicated left turn lane at the intersection of Campus Dr and Beechurst Ave.	WV Division of Highways	
		Design Proposal	Pedestrian crossing on Beechurst Ave between Fayette St and Walnut Street. Signal optimization at the intersection of Beechurst Ave and Walnut Street.	Private developer	
		Programming	Spot Improvements beginning at 6 <sup>th</sup> Street, Engineering(2019), Right of Way(2020), Construction (2021)	MMMPO TIP Amendments	
		Construction	Resurfacing and restriping from Campus Dr to Hough St, including converting the TWLTL to a southbound through lane	WV Division of Highways	
		Construction	Resurfacing and sidewalk ADA compliance on Beechurst Ave from 8 <sup>th</sup> Street to Campus Dr.	WV Division of Highways City of Morgantown	
		Construction	Bicycle May Use Full Lane signs (committed)	City of Morgantown	
		Design Proposal	Roadway widening (adding a TWLTL) Install sidewalk on one side of the street. Install Bicycle May Use Full Lane signs.	WV Division of Highways	
11	West Run Improvements-Western Section (\$12,000,000)	Programming	Widening, Engineering(2020), Right of Way(2020), Construction (2021)	MMMPO TIP Amendments	

Project Number	Project (Cost Estimate)	Update		
		Type	Scope	Sources
13	West Run Improvements-Eastern Section (\$3,000,000)	None		
18	Greenbag Rd Improvements (\$15,000,000)	Subarea Plan	Total 11 projects were recommended to improve all modes of transportation in the Greenbag corridor.	Greenbag Rd Corridor Study
26	North-side Connector Bus Rapid Transit (\$1,000,000)	Programming	Improvement and widening, Engineering(2018), Right of Way(2019), Construction (2020)	MMPO TIP Amendments
27	Grant Avenue Bicycle/Pedestrian Connector (\$1,000,000)	Design Proposal	Bus stops locations and Bus Rapid Transit routes were identified and recommended.	University Ave Complete Street Study
28	White Park/Caperton Trail Connection (\$50,000)	Design Proposal	The potential alignment of the connector and accompanying amenities were identified and recommended in the University Ave Complete Street Corridor Study.	University Ave Complete Street Study
38	Intersection Capacity and Safety Improvements Program (\$31,000,000)	None		
		Design Proposal	University Ave-WV 705 Intersection	University Ave Complete Street Study
		Design Proposal	University Ave-3 <sup>rd</sup> St Intersection	University Ave Complete Street Study
		Design Proposal	University Ave-Campus Dr Intersection	University Ave Complete Street Study
		Design Proposal	University Ave-Beechurst Ave Intersection	University Ave Complete Street Study
		Design Proposal	University Ave-College Ave Intersection	University Ave Complete Street Study
		Design Proposal	Greenbag Rd-US 119 Intersection	Greenbag Rd Corridor Study
		Design Proposal	Greenbag Rd-Dorsey Ave Intersection	Greenbag Rd Corridor Study
		Design Proposal	Holland Ave and Fairmont Rd Intersection	Westover-Granville Pedestrian Study
		Design Proposal	Greenbag Rd-WV 7 Intersection (committed)	WV Division of Highways
		Design Proposal	Beechurst Ave and Campus Dr Intersection	WV Division of Highways
		Design Proposal	Milleground Rd-Cheat Rd Intersection (committed)	WV Division of Highways
		Design Proposal	Milleground Rd-Airport Blvd (committed)	WV Division of Highways
		Design Proposal	Mon Blvd-Boyers Ave Intersection	WV Division of Highways
		Design Proposal	WV 7-Brookhaven Rd Intersection (committed)	WV Division of Highways
		Design Proposal	Univ. Ave-Collins Ferry Rd Intersection (ongoing)	WV Division of Highways
		Design Proposal	WV 705-Van Voorhis Rd Intersection (ongoing)	WV Division of Highways
		Design Proposal	US 119-Smithtown Rd Intersection(ongoing)	WV Division of Highways
		Design Proposal	I-68 Exit 7 EB-Cheat Rd Intersection	WV Division of Highways
		Construction	Mon Blvd-Chaplin Hill Rd Intersection	WV Division of Highways
		Construction	Cheat Rd-N Pierpont Rd Intersection	WV Division of Highways
		Construction	Mon Blvd-Evansdale Dr Intersection	West Virginia University
		Construction	WV 705-Fine Art Dr intersection	West Virginia University

Project Number	Project (Cost Estimate)	Update		
		Type	Scope	Sources
40	Regional Bicycle Plan Implementation (\$5,000,000)	Design Proposal	Regional bicycle network was identified. It was based on the bicycle commuter map developed by the Morgantown Bicycle Board.	Regional Bicycle Plan
		Design Proposal	A Multi-use bridge connecting Greenmont neighborhood to Deckers Creek Trail.	City of Morgantown
		Programming	Morgantown Bike Sign. Install signs and pavement markings at various locations. Construction (2026)	MMPO TIP Amendments
		Construction	Bicycle May Use Full Lane signs and Sharrows on major city streets	City of Morgantown
43	School Route Improvements	Design proposal	Improvements of sidewalks and bicycle routes near schools were identified	Regional Bicycle Plan Morgantown Pedestrian Safety Plan
45	Downtown Morgantown Signalization and Street Changes	Design proposal	Optimize downtown signal coordination system	WV Division of Highways
		Programming	Signal system upgrade, Construction (2016)	MMPO TIP Amendments
		Construction	BMUFL signs and sharrows in downtown area (committed)	City of Morgantown
		Construction	Signage improvements on High St and Kirk St	City of Morgantown
		Construction	Streetscape improvements	City of Morgantown

Morgantown Monongalia Metropolitan Planning Organization  
**2016-2045 Metropolitan Transportation Plan Update**  
**2013-240 LRTP Tier Projects-EJ Status and Cost, EJSCREEN**

*Updated by July 26, 2016*

### **Assessment Methodologies**

The environmental justice assessment includes three parts

#### *EJ Block Group 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.

#### *EJSCREEN Analysis*

EJSCREEN is an environmental justice mapping and screening tool developed by the US Environmental Protection Agency. It provides a nationally consistent dataset and approach for combining environmental and demographic indicators. The use of EJSCREEN in metropolitan planning process is recommended by the Federal Highway Administration.

The environmental justice analysis of the Update considers both positive and negative impact of each proposed project on the environmental justice population.

#### *Supplemental Mapping Analysis*

MPO staff will provide thematic maps that supplemental information on social and economic status in the area. The purpose of those maps is to offer a broader perspective on the environmental issues that was not covered in the EJ Block Group Analysis and EJSCREEN Analysis.

### **Assessment Process**

The environmental justice analysis of this plan consists of three stages. The process is designed in a way to ensure that environmental justice consideration is an integrated part of the decision making process and had continuing influence on the initiation, evaluation, and prioritization of projects proposed in the plan.

#### July--August

- Update and review the Environmental Justice Block Group map based on current demographic data.
- Assess the relation of geographic locations between Tier 1 projects recommended in the 2013 LRTP and the updated EJ Block Group map
- 

#### September--November

- Reach out to the community to identify potential environmental justice concerns.
- Evaluate the positive and negative impact of any changes proposed during this time frame.

#### December--February

- Assess the positive and negative impact of Tier 1 projects recommended in the Update in terms of environmental justice.

## Analysis Results

### Update on Environmental Justice (EJ) Block Groups

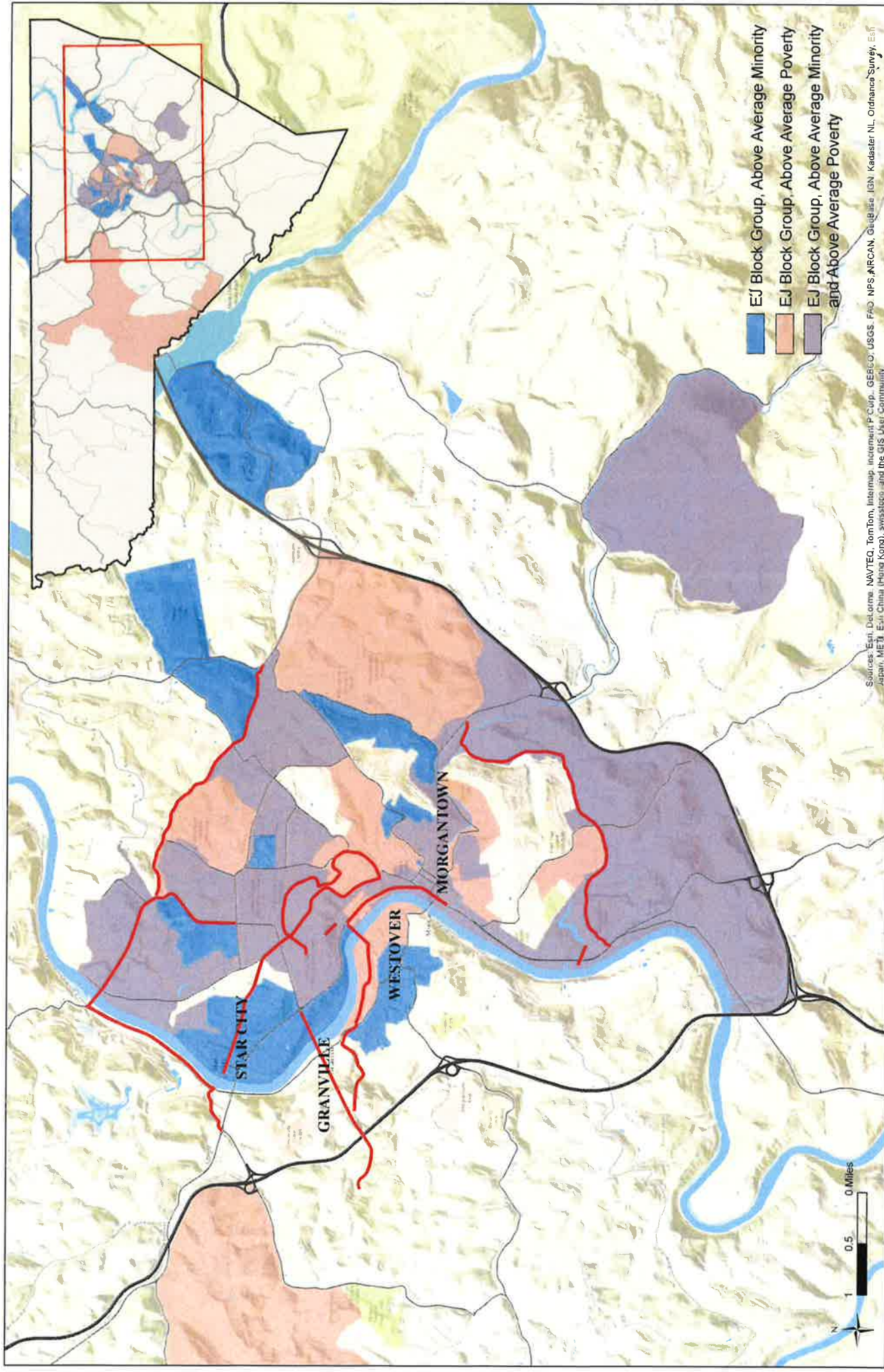
The MPO staff has updated the EJ Block Groups based on 2014 American Community Survey (ACS) conducted by the U.S. Census Bureau.

An EJ Block Group is a census block group with a population that has EITHER a higher percentage of households in poverty than the county average OR a higher percentage of minority residents than the county average. According to 2014 ACS, the county average poverty rate increased from 21% to 23%; and the county average minority rate decreased from 10.2% to 9.2%.

The following table shows the relation of each tier 1 project proposed in the current plan and its location in terms of EJ Block Groups.

Project #	Project	Cost Estimate	Relation with EJ Block Groups
7	Van Voorhis Rd Improvements	\$10,000,000	Within
8	Beechurst Avenue Improvements	\$7,000,000	Within
13	West Run Road Improvements-Eastern Section	\$3,000,000	Within
11	West Run Road Improvements-Western Section	\$12,000,000	Within
26	North Side Connector Bus Rapid Transit	\$1,000,000	Within
28	White Park/Caperton Trail Connection	\$50,000	Within
18	Greenbag Rd Improvements	\$15,000,000	Within
27	Grant Avenue Bicycle/Pedestrian Connector	\$900,000	Within
45	Downtown Morgantown Signalization and Street Changes	\$2,000,000	Within
38	Intersection Capacity and Safety Improvement Program	\$31,000,000	Partially within
2	ADA Connectivity Initiative	\$2,000,000	Partially within
40	Regional Bikeway Plan Implementation Program	\$5,000,000	Partially within
43	School Route Improvements (K-8)	\$2,000,000	Partially within
6	New Bridge over Mon Rider and Roadway Connection to I-79	\$45,000,000	Partially within





Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, ARCAN, GeoBasis, IGN, Kadaster NL, Ordnance Survey, Esri, Japair, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

**Morgantown Monongalia Metropolitan Planning Organization  
2016-2045 Metropolitan Transportation Plan Update**

**Tier 1 Project Evaluation-EJSCREEN and American Community Survey Summary Report**

Project #	Original Priority	Project Name	Population (0.5 mile radius)	Households	Per capita income	Minority Percentage	Demographic Index Total	Minority Population Mile in State	Low Income Population Mile in EPA Region	Low Income Population Mile in State	Minority Population Mile in EPA Region	Minority Population Mile in State	Population with less than High School Education Mile in State	Population with less than High School Education Mile in EPA Region	Population over 64 years of age Mile in State	Population over 64 years of age Mile in EPA Region	Impoverished Index Total	Impoverished Index Mile in State	EJ Index for PM 2.5 Mile in State	EJ Index for PM 2.5 Mile in EPA Region	EJ Index for PM 10 Ozone PM Mile in State	EJ Index for PM 10 Ozone PM Mile in EPA Region	EJ Index for Traffic Proximity and Volume Mile in State	EJ Index for Traffic Proximity and Volume Mile in EPA Region	Notes		
2	--	ADA Connectivity Initiative	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	does not apply			
6	7	New Bridge and Roadway Connection to I-79	4,139	5,389	1512	24%	564	4	94	55	70	82	96	63	7	18	20	37	385	6	86	58	63	51	55	currently under the I-79 Access Study	
7	1	Van Voorhis Rd Improvements	4,420	7,662	1,421	17%	542	6	88	45	98	59	89	57	21	41	1	4	525	1	95	76	97	77	93	82	
11	4	West Run Improvements-Western Section	2,503	3,865	956	21%	532	8	92	51	60	77	92	65	13	30	18	34	292	7	76	63	42	56	19	36	
13	9	West Run Improvements-Eastern Section	1,493	3,950	580	17%	464	9	89	46	68	81	87	55	5	15	4	14	281	8	72	60	42	56	17	34	
18	3	Greenbag Rd Improvements	3,355	2,137	809	18%	608	2	90	48	89	82	88	57	48	67	21	38	482	4	88	69	85	89	94	74	
26	8	North-side Connector Bus Rapid Transit	9,527	7,485	2,341	13%	546	5	84	40	96	96	96	75	16	35	2	6	413	5	90	70	93	72	39	49	
27	5	Grant Avenue Bicycle/Pedestrian Connector	3,057	10,155	523	17%	539	7	88	46	94	94	97	79	9	22	2	8	236	9	63	56	33	51	8	25	
28	6	White Park/Carleton Trail Connection	213	286	89	29%	640	1	96	60	67	81	87	55	50	69	29	46	513	9	95	75	95	74	96	78	
38	--	Intersection Capacity and Safety Improvements	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	does not apply		
40	11	Regional Bicycle Plan Implementation	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	does not apply		
43	--	School route improvements	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	does not apply		
45	10	Downtown Morgantown Signalization and Street Design	4,686	6,601	1,338	16%	589	3	88	44	96	93	68	23	44	4	13	523	2	95	76	97	78	97	80		

Sources:  
Demographic data: U.S. Census Bureau American Community Survey (ACS) 2010-2014. data was computed/EJSCREEN ACS Summary Report  
Environmental data: U.S. Environmental Protection Agency, Environmental Justice EJSCREEN Version 2016



Learn about the project, get the latest news, provide comments and subscribe to updates.

[plantogether.org](http://plantogether.org)

## WE NEED YOUR HELP



How can the transportation system can better serve you ?

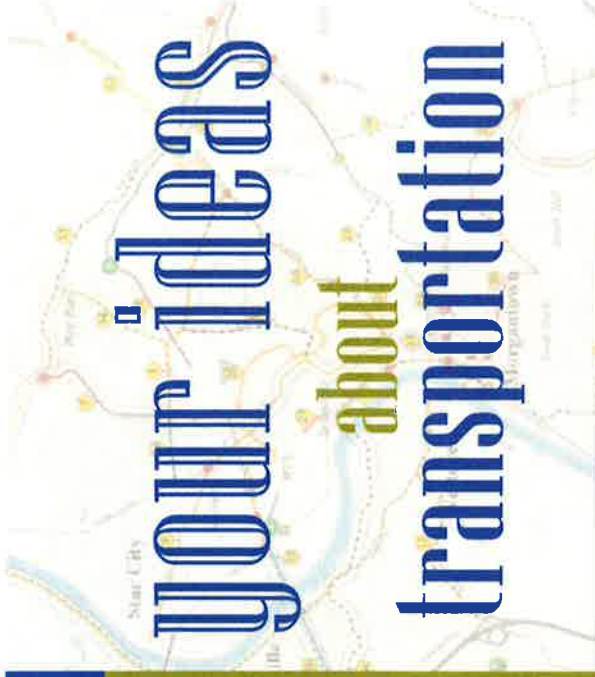
How would you rate the transportation system in the Morgantown Monongalia area?

How would you prioritize transportation projects to make our area better?

What improvements are needed to make you feel more comfortable walking/bicycling?

Please tell us how you think and how we can improve by taking a survey at:

**[www.plantogether.org](http://www.plantogether.org)**



The Long Range Transportation Plan Update is a community-driven process to reshape our vision for a better transportation system to support our community growth.

# Metropolitan Transportation Plan Update 2016 - 2045



Scan for digital survey



or go to [plantogether.org](http://plantogether.org)

Printed surveys are available. Calling (304) 291-9571 for more informations

The success of this plan depends on community engagement. Please share with your friends and family, and encourage them to get involved too.



**(304) 291-9571**

For questions, comments or to request a group presentation

# Metropolitan Transportation Plan Update

## Integrate of All Modes of Transportation

The Long Range Transportation Plan establishes a set of transportation infrastructure investment strategies for the next 30 years. The Update will investigate the impact of growth in our region, engage our community in conversation about appropriate transportation solutions and priorities.

### Key Milestones



### Understanding the Needs

The Update will identify and document the need for transportation infrastructure improvements based on the input from community, stakeholders, and technical analysis. The needs identified will be used to justify future transportation investments in the region.

### Assessing the Progress

The Update will evaluate the current conditions of the transportation system and assess the improvements that have been made since 2013.

### Defining and Evaluating Projects

By engaging the community, the Update will define and evaluate the projects proposed in the previous Long Range Transportation Plan and update the those projects as well as recommending new projects.

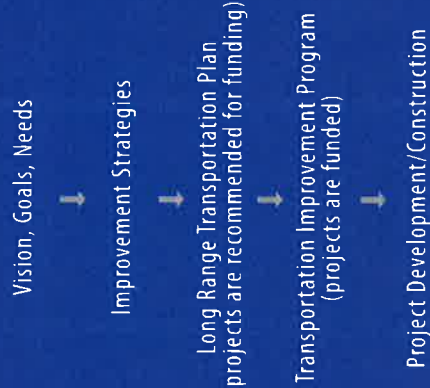
### Prioritizing Projects and Programs

One significant outcome of the Update will be a new set of prioritized projects, which are recommended for funding using forecasted available state and federal funds

### The Current Long Range Transportation Plan

In 2013, the Policy Board of the MPO adopted a 2013-2040 Long Range Transportation Plan. It included 44 projects to improve transportation infrastructure in the community. 14 projects were listed as Tier 1 projects and recommended for funding with forecasted available state and federal funds.

### How is a transportation project developed?



### Regional Efforts with State and Local Partners

The Transportation Plan Update will be prepared in collaboration with the West Virginia Division of Highways, the City of Morgantown, Star City, Town of Granville, City of Westover, West Virginia University, the Monongalia County Commission, the Mountain Line Transit Authority, and the Morgantown Area Chamber of Commerce.





# 2016-2045 Metropolitan Transportation Plan Update Public Questionnaire

## Part A: Personal Information

You can also take this survey on [www.planttogether.org](http://www.planttogether.org)

<p>1. How long have you lived in the Morgantown Monongalia metropolitan area? (check one)</p> <p><input type="checkbox"/> Less than one year      <input type="checkbox"/> More than 5 years  <input type="checkbox"/> 1-5 years                <input type="checkbox"/> Do not live in the area</p> <p>2. Please indicate your place of residence (For example: Suncrest, Westover, or Mileground)</p> <p>_____</p> <p>3. How many registered motor vehicles are in your household?</p> <p><input type="checkbox"/> None                              <input type="checkbox"/> 3 to 4  <input type="checkbox"/> 1 to 2                            <input type="checkbox"/> 5 or more</p> <p>4. What is your annual household income?</p> <p><input type="checkbox"/> Less than \$25,000      <input type="checkbox"/> \$75,000 to \$99,999  <input type="checkbox"/> \$25,000 to \$34,999    <input type="checkbox"/> \$100,000 or more  <input type="checkbox"/> \$35,000 to \$74,999    <input type="checkbox"/> Prefer not to say</p>	<p>5. Generally, how long do you take to commute to or from work?</p> <p><input type="checkbox"/> Less than 10 minutes      <input type="checkbox"/> 40 to 50 minutes  <input type="checkbox"/> 10 to 20 minutes        <input type="checkbox"/> Greater than 50 minutes  <input type="checkbox"/> 20 to 40 minutes        <input type="checkbox"/> Question does not apply</p> <p>6. What mode of travel do you most often use to do the following activities? (check one for each row)</p> <table border="0"> <thead> <tr> <th></th> <th>Drive alone</th> <th>Carpool</th> <th>Transit</th> <th>Bicycle</th> <th>Walk</th> </tr> </thead> <tbody> <tr> <td>Work/school</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Shopping</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Recreation</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Errands</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table> <p>7. What is your race/ethnicity?</p> <p><input type="checkbox"/> White      <input type="checkbox"/> Hispanic      <input type="checkbox"/> Others  <input type="checkbox"/> Black      <input type="checkbox"/> Prefer not to say</p>		Drive alone	Carpool	Transit	Bicycle	Walk	Work/school	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Recreation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Errands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Drive alone	Carpool	Transit	Bicycle	Walk																										
Work/school	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																										
Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																										
Recreation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																										
Errands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																										

## Part B: Transportation Funding Priorities

8. If you had control over the transportation budget, how would you rank the following in importance (1 being most important, 9 being least important).

___ Neighborhood traffic safety & calming	___ Bicycle facility improvements	___ Improve public transit
___ Sidewalks/crosswalks improvements	___ Roadway condition improvements	___ Roadway widening
___ New roads and/or bridges	___ Improving traffic flow	___ Other: please identify

## Part C: Existing Transportation Facilities

9. Overall, how would you rate the transportation system in the Morgantown Monongalia County area?

Excellent     Good     Fair     Poor

10. How would you rate the following in the Morgantown Monongalia area?

	Excellent	Good	Fair	Poor
Speed of traffic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Traffic safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sidewalks/crosswalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bicycle traveling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trails	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Traffic signal system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Road conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Convenience to get to work and shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. Please list the top five roadways and/or intersections in the area where you think improvements are most needed.

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## Part D: Walking

12. Do you currently walk to do the following activities in the Morgantown Monongalia area? If yes, how often?

	N/A	Daily	Few times a Week	Few times a month
Work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recreation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. How likely would you be to increase your use of walking if the following improvements were made?

	Not likely	Somewhat likely	Very likely
Extended trail system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More sidewalks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safer pedestrian crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More pedestrian friendly land use development	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More open public spaces	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. Please list the top three locations where you think pedestrian improvements are most needed.

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Part E: Bicycling**

15. Do you currently ride a bicycle to do the following activities in the Morgantown Monongalia area? If yes, how often?

	N/A	Daily	Few Times a Week	Few Times a month
Work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recreation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16. How likely would you be to increase your use of walking if the following improvements were made?

	Not Likely	Somewhat Likely	Very Likely
Bike lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bicycle signage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Share the road markings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bicycle route map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Paved shoulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extended trail system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bicycle traffic skill courses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bike parking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More bicycle friendly land use developments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. Please list the top three roads and/or intersections where you think bicycle facilities are most needed to improve.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

**Part F: Transit Services**

18. Do you use local bus/PRT service? If yes, how often?

	N/A	Daily	Few Times a Week	Few Times a month
Work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shopping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Going to school	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

19. How likely would you be to increase your use of transit if the following improvements were made?

	Not Likely	Somewhat Likely	Very Likely
More transit route	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extended PRT route	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More frequent bus service (e.g every 15 minutes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More frequent PRT service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vanpool	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More park-and-rides locations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bus shelters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Better route information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

20. Please list the top three locations (neighborhoods, developments, or streets) where you think regular bus service (less than every 30 minutes) is needed.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

----- Thank you for completing this questionnaire. Please fold and mail the questionnaire to the address listed below. -----

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Place  
Stamp  
Here

**Your Ideas**  
about  
**Transportation**

Scan the code  
Take the survey



Morgantown Monongalia  
Metropolitan Planning Organization  
82 Hart Field Rd, Suite 105  
Morgantown, WV 26505

The Morgantown Monongalia Metropolitan Planning Organization (MMMPO) is a regional transportation planning agency. This document is a part of the MMMPO's 2016-2045 Metropolitan Transportation Plan Update. It was prepared in cooperation with the City of Morgantown, Monongalia County, the Morgantown Area Chamber of Commerce, the Mountain Line Transit Authority, and West Virginia Department of Transportation.

The Morgantown Monongalia MPO is committed to the value of equal opportunity, which ensures non-discrimination in the access to, the benefits of, and the opportunities to participate in the activities of our program.



## WVDOH Announces Upcoming Highway Project

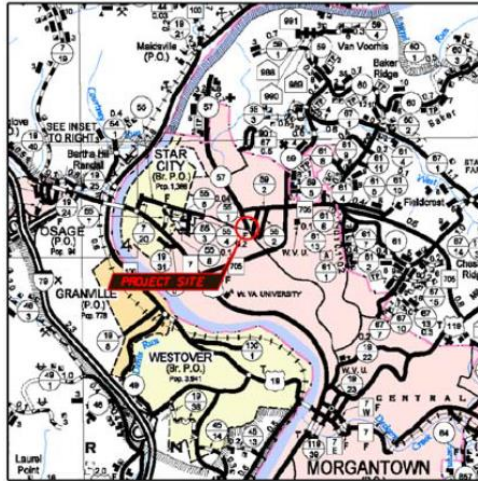
University Avenue Intersection

Morgantown, WV

Monongalia County

State Project #U331-55-1.10 Federal Project #CMAQ-0055(036)D

August 8, 2016



Location Map – CR 55 / CR 57 intersection

The University Avenue Intersection Project is at the intersection of University Avenue (County Route 55), Collins Ferry Road (County Route 57), and Baldwin Street in the City of Morgantown, within Monongalia County, West Virginia. Commercial businesses with entry driveways are located in each quadrant around the intersection. The WVDOH is evaluating alternatives for the most cost effective solution to increase the level of service for this intersection.

**Five alternatives are being evaluated for this project.**

- **Alternative #1-** Proposes constructing a single roundabout in the intersection.
- **Alternative #2-** Proposes constructing an oval roundabout in the intersection.
- **Alternative #3-** Proposes a traffic signal and added additional turning lanes at the existing intersection.
- **Alternative #4-** Proposes a traffic signal at the intersection with Collins Ferry Road and Baldwin Street then realign to form a plus style intersection.
- **Alternative #5-** Proposes to construct a single lane non-traditional shaped roundabout.

If you would like to comment on the project please mail written comments to:

RJ Scites, P.E., Director, Engineering Division

West Virginia Division of Highways

1334 Smith Street

Charleston, West Virginia 25301

Or visit the WVDOH Website at [www.transportation.wv.gov](http://www.transportation.wv.gov) (under Public Comments then Comment on Engineering Projects, Open University Avenue Project). All comments are due by Monday, September 19, 2016.

**A COMMENT FORM IS ON THE BACK OF THIS FLYER**

DATE:

Mr. RJ Scites, P.E.  
Director, Engineering Division  
West Virginia Division of Highways  
1334 Smith Street  
Charleston, West Virginia 25301

**PROJECT: University Avenue Intersection Project  
Monongalia County  
State Project # U331-55-1.10  
Federal Project # CMAQ-0055(036)D**

**COMMENTS DUE BY September 19, 2016**

Please consider the following comments:

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(Please print the following information)

NAME:

ADDRESS:

ORGANIZATION (IF ANY):

Project Information and Comment Sheets

Can be found online at our WVDOH Website at <http://go.wv.gov/dotcomment>.

Under Engineering Projects, Open, and then click University Avenue Project.