

AGENDA

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(For Remote Participation in Compliance with Adopted Remote Meeting Policy, Guest Speakers, and Members of Public)

Meeting ID: 835 4317 4168

Dial in: 1-646-558-8656

Item	Description	Time†
1	Call to Order & Attendance — Chair Galloway	4:00 – 4:05
2	Matters from the Public — Chair Galloway Members of the public are welcome to provide comments on any transportation-related topic, including the items listed on this agenda (<i>limit 3 minutes per speaker</i>)	4:05 – 4:20
3	*General Administration — Chair Galloway a. *Review and Acceptance of the Agenda b. *Approval of Draft August 28, 2024, Meeting Minutes	4:20 – 4:25
4	* New Business — Christine Jacobs Federal Functional Classification (FFC) Final Recommendation for Consideration & Adoption — Sarah Simba a. FFC 2024 CA-MPO Proposed Revisions: Final Map: Culpeper Functional Classification - Proposed Changes, 2024 b. Staff Memo on Federal Functional Classification—Revised c. *FFC Resolution of Support—Revised—Final Recommendation	4:25 – 4:35
5	VDOT Update on Projects — Charles Proctor & Sandy Shackelford a. MPO Smart Scale Project: Updated Cost Estimates for the DDI at 5 th Street/64 b. Ivy Road Corridor Study Update c. STARS and Pipeline Studies — Locations and Processes	4:35 – 5:05
6	Staff Updates & Meeting Schedule — Christine Jacobs a. Safe Streets and Roads for All (SS4A) Update — Gorjan Gjorgjievski & Sarah Simba b. December Meeting Date & Time — Christine Jacobs i. December 17, 2024: 4pm to 6pm	5:05 – 5:25
7	Roundtable Updates — Chair Galloway	5:25 – 5:45
8	Additional Matters from the Public — Chair Galloway Members of the Public are welcome to provide additional comments on any transportation-related topic, including the items listed on this agenda (<i>limit of 3 minutes per speaker</i>)	5:45 – 6:00
9	Adjourn — Chair Galloway	6:00 pm

† Times are approximate * Requires a vote of the Board

VOTING MEMBERS
Ann Mallek, Albemarle
Ned Gallaway, Albemarle
Brian Pinkston, Charlottesville
Natalie Oschrein, Charlottesville
Sean Nelson, VDOT (Alternate, <i>Stacy Londrey, VDOT</i>)
NON-VOTING MEMBERS
Mike Murphy, Jaunt
Julia Monteith, UVA
Garland Williams, CAT
Wood Hudson, DRPT
Steven Minor, FHWA
Daniel Koenig, FTA
Lee Kondor, CTAC Liaison
Christine Jacobs, TJPDC
STAFF
Christine Jacobs, TJPDC
Lucinda Shannon, TJPDC
Ruth Emerick, TJPDC
Logan Ende, TJPDC
Isabella O'Brien, TJPDC
Gorjan Gjorgjievski, TJPDC
Gretchen Thomas, TJPDC
Sarah Simba, TJPDC

MPO Policy Board Meeting

Minutes, August 28, 2024

DRAFT

Video of the meeting can be found here:

<https://www.youtube.com/watch?v=20vieVKaDOK>

VOTING MEMBERS & ALTERNATES		STAFF	
Ann Mallek, Albemarle	x	Gretchen Thomas, TJPDC	x
Ned Gallaway, Albemarle	x	Sara Pennington, Rideshare	
Brian Pinkston, Charlottesville	x	Lucinda Shannon, TJPDC	x
Natalie Oschrein, Charlottesville	x	Sarah Simba, TJPDC	x
Sean Nelson, VDOT	x	Gorjan Gjorgjievski, TJPDC	x
Stacy Londrey, VDOT (alternate)	x		
NON-VOTING MEMBERS		GUESTS/PUBLIC	
Jason Espie, Jaunt	x	Ben Chambers, City of Charlottesville	x
Christine Jacobs, TJPDC	x	Jessica Hersh-Ballering, Albemarle	x
Julia Monteith, UVA		Sean Tubbs *	x
Garland Williams, CAT		Neil Williamson *	x
Steven Minor FHWA		Peter Krebs *	x
Dan Koenig, FTA		Charles Proctor, VDOT *	x
Lee Kondor, CTAC *	x		
Chuck Proctor, VDOT			
Mitch Huber, DRPT (alternate) *	x		
Mike Murphy, Jaunt			
Sandy Shackelford, VDOT	x		

* attended online via Zoom

1. CALL TO ORDER (0:00)

The MPO Policy Board Chair, Mr. Gallaway, presided and called the meeting to order at 4:01 p.m. Christine Jacobs called roll.

Ms. Jacobs introduced both Sarah Simba and Gorjan Gjorgjievski to the board.

2. MATTERS FROM THE PUBLIC (MINUTE 2:07)

- a. **Comments by the Public:** John Falls of Rugby Road said he is watching county development south of the city including an elementary school and he said it is important to connect Avon Street and 5th Street Extended, and probably through Biscuit Run. He understands that they are trying to avoid putting roads through parks, but he said it really needs to be done. He said it is a 5-mile barrier between the two most important roads south of the City. He said they spent 10 years winding route 29 so as not to build connecting roads. He said he also notes that there are many roundabouts being added and that he thinks the area will look like smallpox. He said if there are not connecting roads put through, "you are not doing



your duty.”

He also introduced himself to both Brian Pinkston and Natalie Oschrein because he is going to send them each an email about some ideas within the City and he'd like them to pay attention to them.

b. Comments provided via email, online, web site, etc.: None.

3. GENERAL ADMINISTRATION (MINUTE 4:04)

Review and Acceptance of the Agenda

Motion/Action: Ann Mallek made a motion to approve the agenda, Brian Pinkston seconded the motion, and the motion passed unanimously.

Approval of the May 21, 2024 Meeting Minutes

Motion/Action: Brian Pinkston noted that the meeting started at 4:00 p.m., not 4:00 a.m. Brian Pinkston made a motion to approve the minutes as amended. Natalie Oschrein seconded the motion, and the motion passed unanimously with Ann Mallek abstaining.

4. NEW BUSINESS (MINUTE 5:25)

Remote Electronic Participation and All-Virtual Meeting Policy

Christine Jacobs outlined the new electronic meeting policy that the General Assembly adopted. She noted that 50% of the meetings can be all-virtual, but there cannot be two virtual meetings in a row. She also noted that in an all-virtual meeting, the participant's camera must be turned on to be considered "present." When a camera is turned off, it is as if they are no longer in the meeting, which may affect quorum for voting.

The existing policy of attending remotely for an "in person" meeting remains the same. There must be a quorum in person to allow those online to participate in the meeting as voting members. Those who are participating online must state the reason for attending virtually.

Motion/Action: Ann Mallek made a motion to adopt the new electronic meeting policy. Natalie Oschrein seconded, and the motion passed unanimously.

Ms. Jacobs read the statement about visual communication and consideration of attendance for clarification.

5. HIGHWAY SYSTEMS FUNCTIONAL CLASSIFICATION (FFC) PRESENTATION (MINUTE 12:36)

Sarah Simba gave a brief introduction to the FFC, and the reasoning for the development of the new guidance. She continued with the seven types of roadway classifications. She provided information on the function of a road which includes mobility, land access, and a balance between both mobility and land access.

Principal and minor arterials are mobility roads. Local roads provide land access. Major and minor collectors provide the balance between mobility and local roads.

She presented an example of functional classification information with correct and incorrect scenarios. She continued with the process for making functional classification changes on existing roads for requests from local governments in MPO regions.

She noted the importance of classifying future roadways early in the planning process. It helps determine eligibility for future funding. The guidance allows VDOT to assign a functional classification for roads to be constructed within four years. It is recommended that VDOT include new roadways that are included in the six-year statewide transportation improvement plan.

Ms. Jacobs continued by stating that the Board defers on making a recommendation so staff can bring a final map to the Policy Board that is aligned with the updated changes. It is currently incomplete and needs edits.

There was a brief discussion about the classifications.

Ms. Simba presented how to request changes to an existing road's functional classification.

There was continued detailed discussion about local area roads.

Motion/Action: Ann Mallek made a motion to defer action on the resolution. Brian Pinkston seconded, and the motion passed unanimously.

6. TRANSPORTATION IMPROVEMENT PROGRAM (TIP) ADJUSTMENTS (MINUTE 52:17)

Lucinda Shannon presented the TIP adjustments to the Board (included in the agenda packet). This is just an administrative process, informational only, and no action was necessary.

7. VDOT UPDATE ON PROJECTS (MINUTE 54:13)

Chuck Proctor presented the Board with a Smart Scale Update. He reviewed the three CA-MPO projects. He briefly reviewed the 5th St-I64 interchange improvements. VDOT is still waiting on cost estimates for this project.

Next, he reviewed the US250-Pantops project and the numerous portions of the project. He noted the cost of the project is \$36 million. There was discussion about portions of the project, including the Park and Ride lot.

He continued with the Barracks Road corridor improvements. The project cost estimate is \$129 million.

Next, he reviewed Albemarle's project, the US250 at Old Trail/WAHS intersection improvement. He said the cost estimate is \$46 million.

He then reviewed the Rio Road-Hillsdale/Old Brooke Road intersection improvements. The cost estimate for this is \$45 million.

He continued by reviewing Barracks Road corridor improvements project at Georgetown Road to the US 29/250 intersection. The cost estimate is \$27 million.

He reviewed the US29-Plank Road intersection improvement. The cost estimate for this project is \$17 million.

He noted that the 5th Street intersection cost estimate came in while the meeting was underway. He reported that it came in at \$79 million.

8. STAFF UPDATES (MINUTE 1:20:50)

MPO Tech Officers

Christine Jacobs reported that the MPO Tech committee now has Ben Chambers as the Chair and Alberic Karina-Plun is Vice Chair.

Safe Streets and Roads for All (SS4A) Update

Gorjan Gjorgjievski gave background on the project and its goals and objectives. He reviewed the steps that have been taken to date and the types of public engagement that have been undertaken. He noted that the next step will include developing strategies based on the data and feedback collected.

December Meeting Date & Time

Christine Jacobs reported that the October meeting falls during another conference. Only Sean Nelson is going to that conference, so the meeting date remains.

Ms. Jacobs said the December meeting is close to the Christmas holiday, so she suggested that December 18 be the new date for that month at the same time. The committee concurred that December 18 works for the majority.

She also noted that VDOT is starting their next round of their Strategically Targeted Affordable Roadway Solutions (STARS) study. Staff reviewed the three locations are US29 between Hydraulic and Woodbrook, US29 between Teale Lane and Hydraulic Road, and Ridge McIntire/South Water Street intersection in the City of Charlottesville. VDOT is reaching out to the MPOs and jurisdictions to make sure there is no cause for concern with the areas they will be reviewing for improvements.

8. ROUNDTABLE UPDATES (MINUTE)

CTAC – Lee Kondor reported that CTAC discussed wanting to get involved in some of the projects at an earlier stage in the LRTP.

DRPT – No report.

Jaunt – Jason Espie said they are wrapping up their three studies and they are looking forward to presenting the recommendations to this board in the future.

VDOT – Stacy Londrey said VDOT will coordinate with localities, MPOs, and PDCs re: applications for revenue sharing projects/studies and transportation alternatives programs. She said they did this last cycle, but they will start earlier for the next one.

Sean Nelson said the roundabout at Hillsdale is open. They are currently working on the intersection and there is concern about the “no left turn” area onto Hydraulic. There are many people still making that left, but most were distracted drivers (on their phones) who recognized their mistake too late. He has made a phone call to Virginia State Police to help with enforcement.

Ann Mallek said there is concern with the design of the Hillsdale roundabout and described a scenario about a potential collision. She suggested maybe putting in a curb to mitigate drivers from moving out of the travel lanes. Sean Nelson said he would make note of it.

Sean Nelson continued stating the VDOT is working with the City, Albemarle and UVA on the Fontaine Avenue design build project. He said they have to change the name of the project because it encompasses more than just Fontaine Avenue now. He said they hope to have procurement complete by the beginning of next year and a reward sometime in 2026.

He said the Pantops improvement project including an additional turn lane at Rt250 and Rt20 intersection with a median going back up the hill near the car dealerships. He said there will be a public meeting about that project at the Hilton Garden Inn on September 10 at 4:30 p.m.

UVA – No report.

Albemarle County – Jessica Hersh-Ballering said Staff are working on preparing revenue-sharing and TAP grants.

FHWA – No report.

9. ADDITIONAL MATTERS FROM THE PUBLIC (MINUTE 1:39:51)

None.

The meeting was adjourned at 5:41 p.m.

**Committee materials and meeting recording may be found at
<https://campo.tjpd.org/committees/policy-board/>**

Proposed Functional Classification Revisions - Charlottesville Albemarle MPO

Segment	Requesting Locality	Current Classification	Requested Classification	VDOT Culpeper District Notes	Proposed Classification	Comment
Avon Street Extended (Route 742) - City Limits to Route 20	Albemarle/Charlottesville	Major Collector	Minor Arterial	Approved for FC change in late 2022; not reflected in the map produced for review	Minor Arterial	Both segments have AADT's within the Minor Arterial threshold (12,657 & 11,570)
Barracks Road (Route 654) - City Limits to Georgetown Road	Albemarle	Major Collector	Minor Arterial	Approved for FC change in late 2022; not reflected in the map produced for review	Minor Arterial	Segments have AADT's within the Minor Arterial threshold (23,323)
Thomas Jefferson Parkway (Route 53) - Rt. 20 to Fluvanna County line/Rt. 795	Albemarle	Major Collector	Minor Arterial	Approved for FC change in late 2022; not reflected in the map produced for review	Minor Arterial	Segments have AADT's within the Minor Arterial threshold (9,594 & 9,594 & 11,238)
Old Lynchburg Road (Route 631) - Sunset Ave. (Route 781) to Hickory Street	Albemarle	Major Collector	Minor Arterial	Approved for FC change in late 2022; not reflected in the map produced for review	Minor Arterial	Segment compliments other connecting Minor Arterial
9th St SW (segment south of W. Main Street) - dead end segment	Charlottesville	Minor Collector	Local Road	District supports this request.	Local Road	Agree with comment
9th St SW - Estes to King	Charlottesville	Minor Collector	Local Road	District supports this request.	Local Road	Agree with comment
Hillsdale Drive - Hydraulic Road to Greenbrier in Alb Co	Charlottesville	Local Road	Major Collector	District supports this request.	Major Collector	Road seems to serve as a collector taking traffic out of shopping area
Cherry Avenue - Roosevelt Brown Blvd to 5th Street SW/Ridge St	Charlottesville	Major Collector	Minor Arterial	District supports this request.	Minor Arterial	Segment compliments other connecting Minor Arterial
Chesapeake St - segment east of Meade	Charlottesville	Local Road	Minor Collector	District supports this request.	Major Collector	Road serves as a collector taking traffic from Riverview park
E. Market St - segment east of Meade	Charlottesville	Local Road	Minor Collector	District supports this request.	Major Collector	Road serves as a collector taking traffic from Riverview park
Franklin St - Meade to Carlton Avenue		Local Road	Minor Collector	District recommends as complementary to E. Market Street segment east of Meade classification change.	Local Road	Collector would be channeling traffic from one neighborhood to the another. Should be from a local road to an Arterial.
Carlton Avenue - Monticello Rd to Franklin Street	Charlottesville	Local Road	Minor Collector	District supports this request.	Minor Collector	Road seems to serve as a collector taking traffic out of neighborhood areas
Prospect Avenue - 9th St SW to Bailey Road	Charlottesville	Local Road	Minor Collector	District supports this request.	Minor Collector	Makes connection, carries bus route
Bailey Road - Prospect Ave to 5th St SW	Charlottesville	Local Road	Minor Collector	District supports this request.	Minor Collector	Makes connection, carries bus route
Rose Hill Drive - Oakleaf Ln to Rugby Ave	Charlottesville	Local Road	Major/Minor Collector	District supports this request.	Minor Collector	Carries bus route, connects to minor collector on Gentry Ln
Oakleaf Ln - Rose Hill Drive to Del Mar Dr		Local Road	Minor Collector	District recommends as complementary to Rose Hill Drive between Oakleaf Ln and Rugby Avenue classification change.	Local Road	Made this change, but moved it to Del mar Dr which follows the CAT bus route
Del Mar Drive - Oakleaf Ln to Greenleaf Ln		Local Road	Minor Collector	District recommends as complementary to Rose Hill Drive between Oakleaf Ln and Rugby Avenue classification change.	Minor Collector	Extended from Rose Hill Dr to Greenleaf Ln to follow bus route. Minor collector for continuity with Gentry Ln
Greenleaf Ln - Del Mar Dr to Gentry Ln		Local Road	Minor Collector	District recommends as complementary to Rose Hill Drive between Oakleaf Ln and Rugby Avenue classification change.	Minor Collector	
Water Street - 10th St NE Carlton Rd	Charlottesville	Local Road	Minor Collector	District supports this request.	Minor Collector	Makes connection
Mill Creek Drive - Avon Street Ext to Rt. 20	Charlottesville	Local Road	Major Collector	District supports this request; fire station and school served by road. Albemarle County also support the request.	Minor Collector	
Monticello Road - Carlton Road to Levy Ave	Charlottesville	Local Road	Minor Collector	District supports this request	Minor collector	Edited - MC follows Monticello Rd from Carlton to Hinton, and then Follows Hinton to Avon St. Monticello Ave North of Hinton is a one way road.
Meridian Street - Monticello Ave to Monticello Rd		Local Road	Minor Collector	District recommends as complementary to Monticello Road between Carlton Road and Levy Ave classification change.	Minor collector	
Levy Ave - Monticello Road to Avon St	Charlottesville	Local Road	Minor Collector	District supports this request.	Local Road	Connects to one-way road, moved to Hinton Ave
Locust Ave - Calhoun St to River Road	Charlottesville	Local Road	Minor Collector	District supports this request.	Minor Collector	
River Road - Locust Ave to Coleman St	Charlottesville	Local Road	Minor Collector	District supports this request.	Minor Collector	
Rugby Road - Rugby Rd/Dairy Rd/Gentry Ln intersection to US 250	Charlottesville	Major Collector	Minor Collector	District supports this request.	Minor Collector	
Garrett St - 2nd St SE to Dead End West of Gleason St		Major Collector	Minor Collector		Minor Collector	

Memorandum

To: Charlottesville-Albemarle Metropolitan Planning Organization's (CA-MPO) Committees
From: Christine Jacobs, Executive Director, TJPDC/CA-MPO
Date: October 15, 2024
Reference: Federal Functional Classification – VDOT Culpeper District

Background:

The Virginia Department of Transportation (VDOT) is conducting a major statewide update to the Federal Functional Classification (FFC), which historically has occurred following a decennial Census. The most recent update, the 2010 Functional Classification for Virginia, was approved in 2014 by the Federal Highway Administration (FHWA). In March 2022, the US Census released the 2020 Census data, which serves as the basis for the current statewide update.

Per VDOT's Open Data Portal, Virginia Roads, *"Functional classification is the process by which streets and highways are grouped into classes, or systems, according to the character of service they are intended to provide. Basic to this process is the recognition that individual roads and streets do not serve travel independently in any major way but serve as part of an overall network. Most travel involves movement throughout the network of roadways. It becomes necessary to determine how this travel can be channelized within the network in a logical and efficient manner. Functional classification defines the nature of this channelization process by defining the part that any particular road or street should play in serving the flow of trips through a highway network. The Virginia Department of Transportation's (VDOT) Transportation and Mobility Planning Division (TMPD) is responsible for maintaining the Commonwealth's official Federal Functional Classification System. TMPD determines the functional classification of the road by type of trips, expected volume, what systems the roadway connects and whether the proposed functional classification falls within the mileage percentage thresholds established by the Federal Highway Administration (FHWA)."*ⁱ

Discussion:

VDOT District Staff coordinated the review of the proposed functional classifications with Virginia's MPOs. At the conclusion of the MPO review process, VDOT requested that each MPO approve a resolution acknowledging the coordination effort within Virginia on the FFC update. The resolution will serve to document VDOT's cooperation with local officials to FHWA on the effort. Following the MPO reviews throughout the state, VDOT will submit the updated functional classification to FHWA for their review and approval. The effort is anticipated to be finalized by October 2024.

In May, CA-MPO staff presented the topic to the CA-MPO Technical and CA-MPO Policy Board meetings as an informational item. CA-MPO staff then forwarded a request for a review for local staff and technical committee members. Stakeholders had until Monday, June 17th to provide any comments.

CA-MPO staff received additional suggested revisions from technical staff and locality staff which were in turn forwarded on to VDOT District staff. At the time of the August 20, 2024, CA-MPO Technical Committee and the August 28, 2024, CA-MPO Policy Board meetings, VDOT's Transportation and Mobility Planning Division (TMPD) had not yet conducted a full review of the proposed revisions, and a revised draft map was not available for the Technical Committee and Policy Board to review. As such, the CA-MPO staff and the Technical Committee recommended that the CA-MPO Policy Board defer a decision to adopt the Resolution approving the proposed updates to the Highway Systems Federal Functional Classification.

Following the August 28, 2024, Policy Board meeting, CA-MPO staff received notice from VDOT staff that TMPD had responded to the requested changes to the Functional Classification system. There were a few items they did not recommend including, but they did move forward with most of the local staff's recommendations. VDOT staff reviewed the recommended changes as well as the final draft FFC map to ensure the inclusion of the changes. CA-MPO staff then forwarded TMPD's response to local staff for a final review.

The updated FFC is now before the CA-MPO Technical Committee and the CA-MPO Policy Board committee in their October meetings for final review and consideration for approval. Included in the meeting materials is a draft resolution approving the proposed updates to the Highway Systems Federal Functional Classification. Included as an attachment to the Resolution is a copy of the recommended staff changes and TMPD's response. Finally, a link to the final draft map of the FFC can be found at: [ArcGIS - Culpeper Functional Classification - Proposed Changes, 2024](#).

Following the Policy Board's final consideration of a Resolution of Support for the statewide FFC map that incorporates the revisions as attached, the state will send the statewide FFC map recommendations to the Federal Highway Administration (FHWA) for review. At the end of this process, FHWA will complete a final review of the statewide map and finalize the functional classification (FFC) updated map.

Recommended Action:

MPO Technical Committee Recommendation: In their October 15, 2024, meeting, the CA-MPO Technical Committee voted to recommend that the CA-MPO Policy Board adopt a Resolution to approve the proposed updates to the highway systems functional classifications presented in the accompanying summary map.

MPO Policy Board: The CA-MPO staff recommends that the Policy Board moves to adopt a Resolution to approve the proposed updates to the highway systems functional classifications presented in the accompanying summary map.

ⁱ <https://www.virginiaroads.org/maps/VDOT::functional-classification-web-map-1/about>



**RESOLUTION APPROVING THE PROPOSED UPDATES
TO THE HIGHWAY SYSTEMS FEDERAL FUNCTIONAL CLASSIFICATION**

WHEREAS, functional classifications of highway system affect transportation planning in that the categories (local, minor collector, major collector, minor arterial, principle arterial, principle arterial freeway, or principle arterial interstate) are used with highway design standards, highway construction funds or maintenance payments, access management standards, traffic calming eligibility, statistical reporting, and certain outdoor advertising controls; and

WHEREAS, periodic reviews and, as appropriate, updates of urban/urbanized area boundaries and/or functional classifications of highway systems generally are warranted in concert with U.S. Census updates for urbanized areas; and

WHEREAS, the Bureau of the Census March 17, 2022, Notice issued decennial 2020 urbanized area information, and each State is federally directed (FHWA 23 CFR 450.312, 470.105 and 109, and guidance) to use the information and undertake a thorough update, as appropriate, of urban/urbanized area boundaries and/or highway system functional classifications in cooperation with Metropolitan Planning Organizations and/or localities; and

WHEREAS, the state has proposed updates in coordination with the Charlottesville-Albemarle Metropolitan Planning Organization (CA-MPO) to the functional classification of highways that reflect the 2020 Census information, and the CA-MPO technical committee has reviewed the updates presented in the accompanying summary map by this policy Board; and

WHEREAS, at the request of the CA-MPO technical committee and locality staff, the CA-MPO staff submitted suggested additional revisions to the original proposed draft map; and

WHEREAS, the Virginia Department of Transportation's (VDOT) Transportation and Mobility Planning Division (TMPD) reviewed the suggested revisions and incorporated several of them as detailed in the Proposed Functional Classifications Revisions list attached; and

NOW, THEREFORE, BE IT RESOLVED that the Charlottesville-Albemarle Metropolitan Planning Organization approves the proposed updates to the highway systems functional classifications presented in the final accompanying summary map: [ArcGIS - Culpeper Functional Classification - Proposed Changes, 2024](#).

BE IT FURTHER RESOLVED that a copy of this approved Resolution and the accompanying final summary map shall be provided to the Federal Highway Administration Virginia Division Office for information purposes, and as documentation of the CA-MPO's participation in the federal functional classification update process.

ADOPTED this 23rd day of October 2024 by the Charlottesville-Albemarle Metropolitan Policy Organization's Policy Board being duly assembled.

ATTESTED:

Ned Gallaway, Chair
Charlottesville-Albemarle MPO Policy Board



64/5TH STREET DIVERGING DIAMOND INTERCHANGE PROJECT SCOPE DEVELOPMENT AND COST ESTIMATE

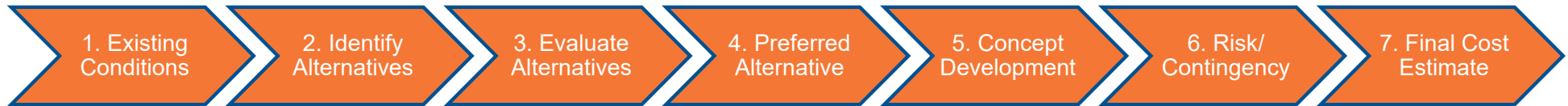
MPO Policy Board

 Charles Proctor & Sandy Shackelford

October 23, 2024

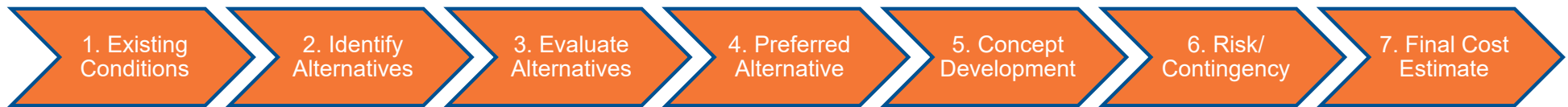
Outline

- **Application Development Process Overview**
- **Process Constraints**
- **Alternative Selection**
- **Cost Estimate**
- **Application Timeline**
- **Next Steps**



Application Development Process

- 1. Assess Existing Conditions**
- 2. Identify Alternatives**
- 3. Evaluate Alternatives**
- 4. Select Preferred Alternative**
- 5. Develop concept/base cost estimate/application materials**
- 6. Identify risks/contingencies**
- 7. Final Cost Estimate**



Application Development Constraints

- **Compressed schedule due to SMART SCALE program review process**
- **Additional project readiness requirements introduced**
- **Conceptual design development iterative process involving multiple disciplines**

Planning	Environment	Structure & Bridge
Location & Design	Traffic	Estimator
Utilities	Right of Way	Consultants
- **Concepts developed in-house or by consultants**
 - **Consultant-developed work reviewed/approved by VDOT**
- **Limited time/resources to conduct pre-scoping activities**
 - **Competing priorities for VDOT staff impacts review turnaround**
- **Cost estimates have limited shelf lives**
 - **Estimates have to be re-developed each round**



- **Issues identified during the 5th Street Corridor Study/updated in late 2023/early 2024:**
 - High crash volumes
 - Long queues
 - Operational concerns
 - Lack of multimodal connections
- **Project goals:**
 - Improve interchange operations and safety
 - Enhance multimodal accessibility and connectivity for pedestrians, bicyclists, and transit users
- **Identified alternatives included:**
 - Optimized Diamond Interchange
 - Single Point Urban Interchange
 - Diverging Diamond Interchange
 - Existing Condition + Sidewalk



Optimized Diamond Interchange

- Negligible safety benefits
- Minor operational improvements
- Low relative cost

Diverging Diamond Interchange

- Substantive safety benefits
- Moderate operational benefits
- Moderate-high relative cost

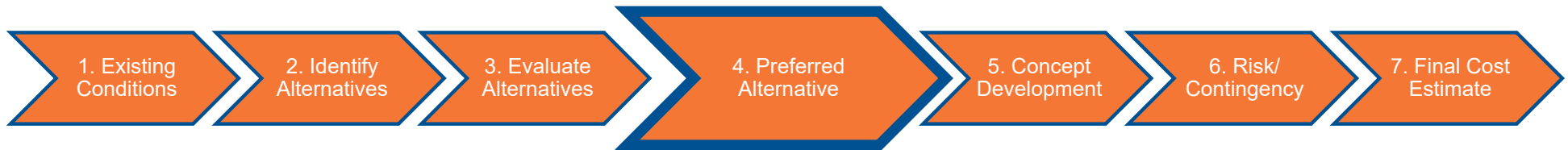
Single Point Urban Interchange

- Limited safety benefits
- Highest operational benefits
- Highest relative cost

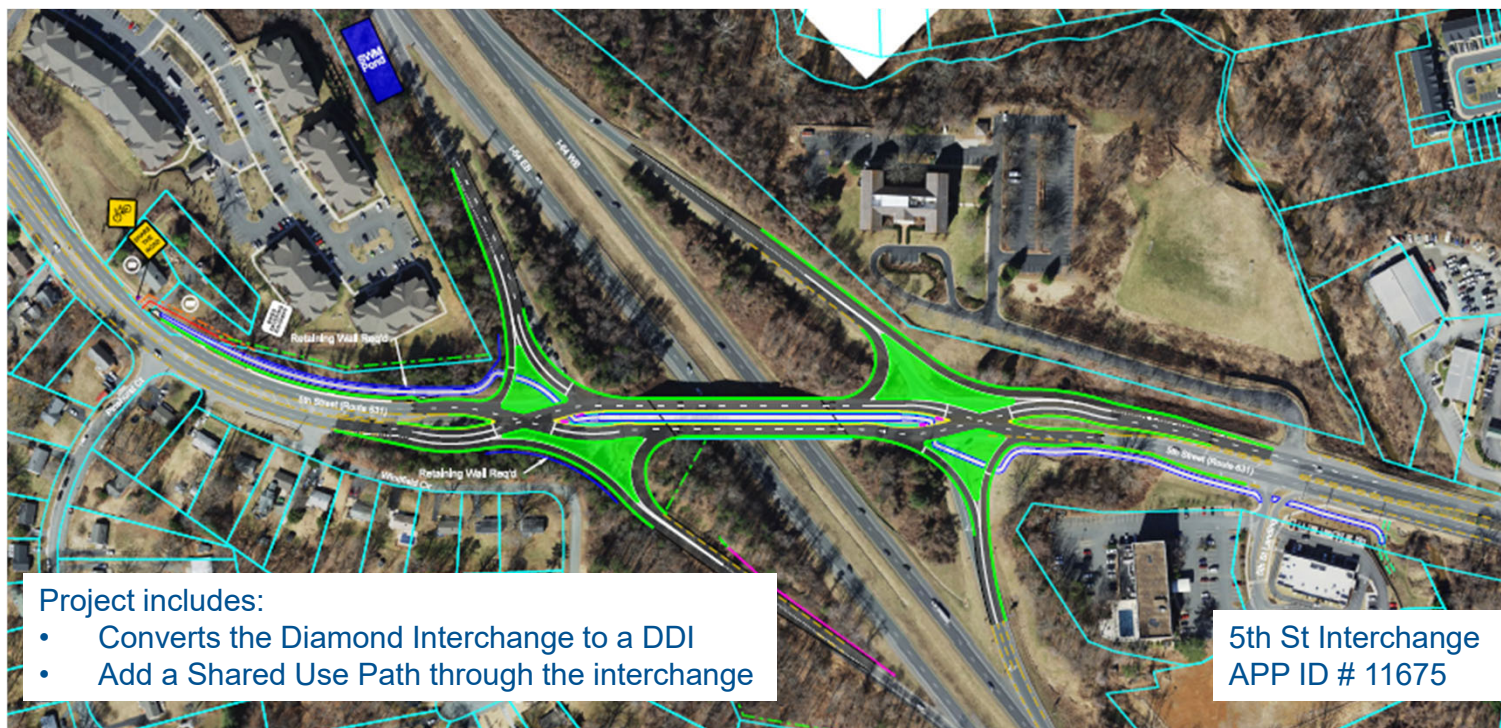
Existing Condition + Sidewalk

- Not eligible MPO/PDC application
- Safety benefits only apply to pedestrian-related crashes

Factor	Safety	Congestion Mitigation	Accessibility	Land Use	Economic Development	Environmental Quality
Category B – Round 5	20%	15%	20%	15%	20%	10%
Category B – Round 6	20%	25%	25%	Multiplier	20%	10%



- Public feedback favored DDI
- DDI selected as preferred alternative





PROPOSED ESTIMATE					PROPOSED SCHEDULE	
Phase	Base	% Cont.	Uninflated Total (2024)	Inflated Total	Phase (Task)	Target Date
PE	\$6,270,000	12%	\$7,022,400	\$8,207,079	PE Start (12)	9/1/2027
RW/UT	\$510,000	41%	\$719,100	\$954,318	RW Start (52)	5/8/2031
CN (Cont)	\$31,600,000	38%	\$49,612,000	\$69,848,735	CN Start (80)	7/13/2032
CN (CEI)		19%			CN End (91)	5/1/2034
Total Estimate			\$57,353,500	<u>\$79,010,131</u>		

SCOPE DESCRIPTION
• Convert existing traditional diamond interchange to a Diverging Diamond Interchange. • Include a shared use path across the interchange to tie into existing pedestrian facilities to the northeast and southwest. • A bridge replacement is likely required due to the proposed changes to the superstructure.

Bridge specific line items (uninflated):

- **PE: \$3,203,829 (51% of uninflated total)**
- **CN: \$16,571,606 (52% of uninflated total)**

5th Street/64 DDI Application Development Timeline



Next Steps

- **Wait on SMART SCALE funding award announcements**
 - Difficult to predict likely funding outcomes due to SMART SCALE program changes
- **If not funded, can evaluate other alternatives**
 - Build off of information discovered during Round 6 application development
 - **DDI provides best safety outcomes and improves operations**
 - Safety improvements more than double compared to next best alternative (SPUI, Optimized Diamond, Sidewalk-Only)
 - Had strongest public support
 - **Submitted concept required significant changes to deck configuration due to addition of shared use path**
 - Reconfigure bridge to DDI without the shared use path on existing structure
 - Add a second bike/ped structure adjacent to existing bridge

Questions?





IVY ROAD STUDY UPDATE

MPO Policy Board

 Charles Proctor

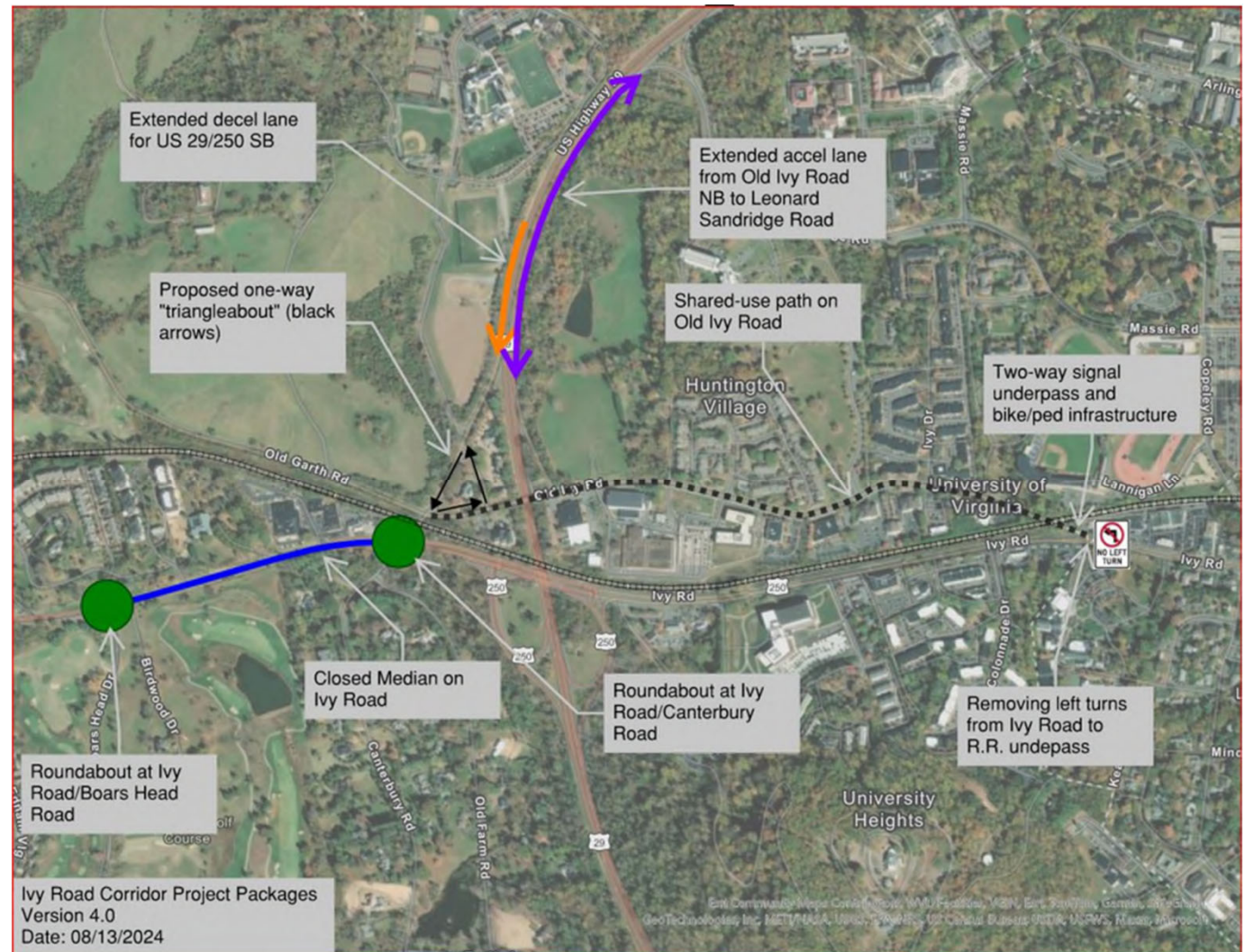
October 23, 2024

Meeting Agenda

1. Ivy Rd Corridor and US 29/250 Bypass Interchange Pipeline Study
 - Proposed Scenario Plan
 - Recommendation Strategy

Ivy Rd Corridor Improvements

Preferred Scenario



Ivy Rd Corridor Improvements

Potential Long
Term Western
Corridor Scenario

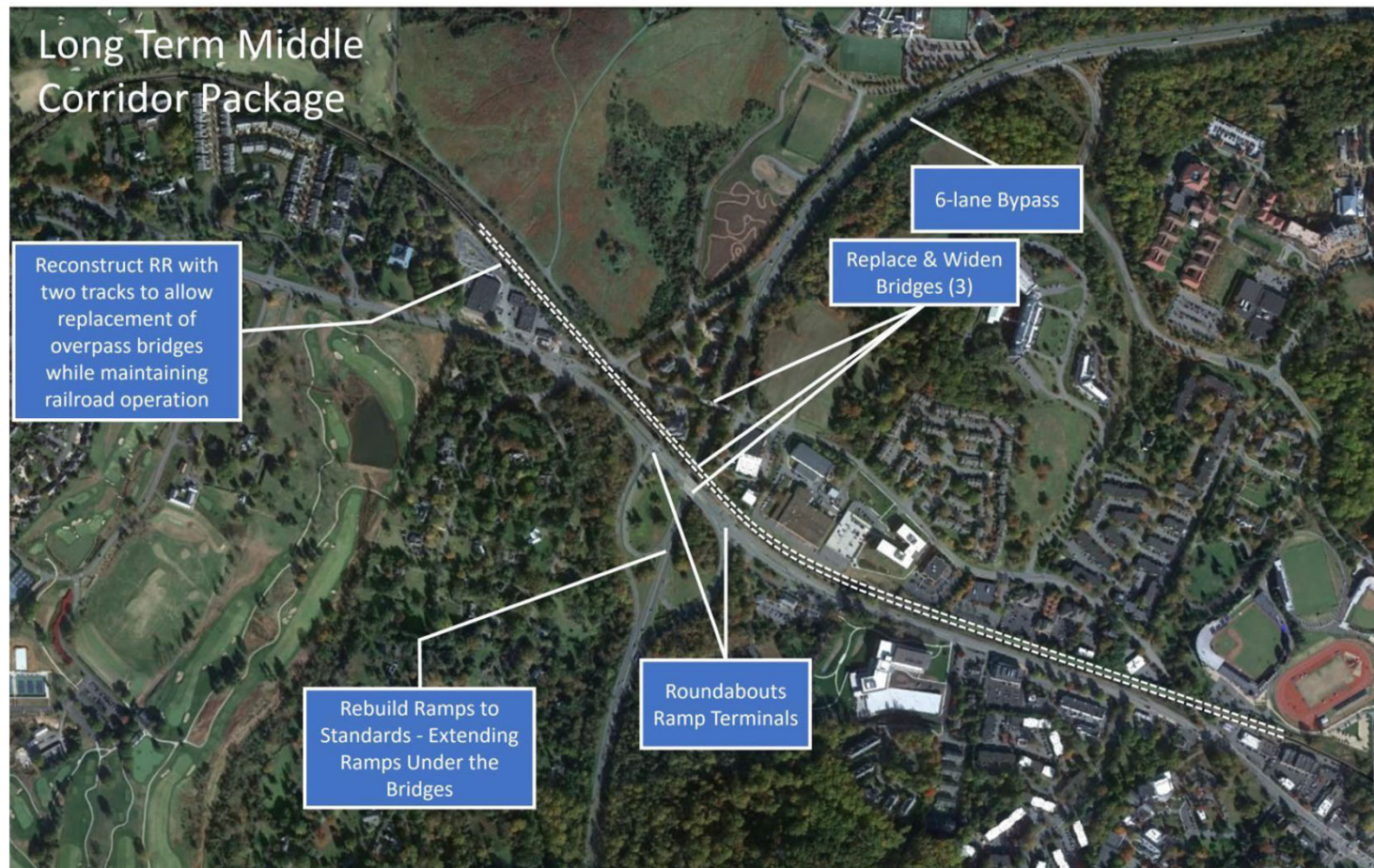
These will be
included for
future
consideration as
needs changes



Ivy Rd Corridor Improvements

Potential Long
Term Middle
Corridor
Scenario

These will be
included for
future
consideration
as needs
changes



Ivy Road Corridor Improvements

Potential Eastern Corridor Scenario

These will be included for future consideration as needs changes



Ivy Road Corridor Improvements

Next Steps

- Reviewing the analysis for the Eastern underpass scenario to ensure it will not overly impact travel on BUS 250 to validate the preferred solution;
- Developing Planning Level Cost estimates for the Preferred Scenarios;
- Compile the final report.



STARS AND PROJECT PIPELINE STUDIES

MPO Policy Board

 Charles Proctor & Sandy Shackelford

October 23, 2024

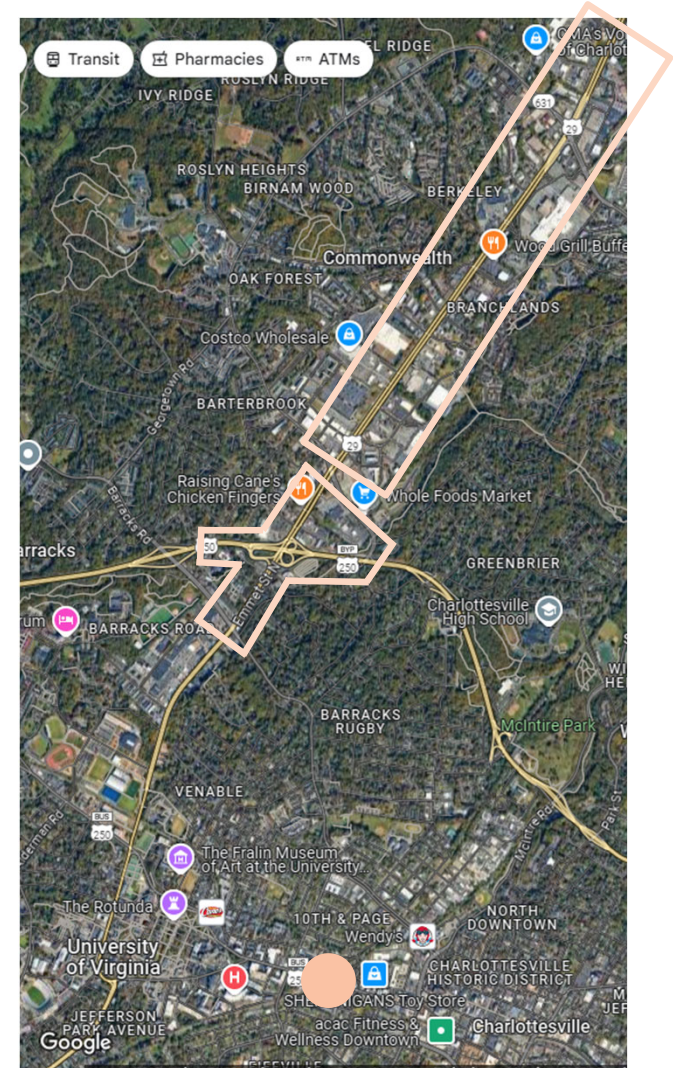
Agenda

- **Program Guidelines Overview**
- **STARS Study Locations**
- **Proposed Project Pipeline Study Locations**

	STARS Program Guidelines	Project Pipeline Program Guidelines
Administration	Transportation & Mobility Planning Division (TMPD)	Office of Intermodal Planning & Investment (OIPI)
Purpose	Provide a continuous stream of transportation improvement recommendations eligible for programming/funding	Performance-based planning program to identify cost-effective solutions to multimodal transportation needs
Project Goals	Identify multi-modal solutions that improve safety and reduce congestion	Identify multi-modal solutions that address CTB-adopted VTrans needs
Suggested Study Work Group Members	• VDOT District & CO Planning • Local/Regional Stakeholders • Location & Design Engineers • Residency Engineers • Transit Operators • Traffic Operations • Environmental	• Local/Regional Stakeholders • Design Engineers • District Subject Matter Experts • Residency Engineers • Transit Operators • Communications Staff • Local Law Enforcement/EMS Personnel
Program Cycle	Annual	Biennial
Study Process/ Phasing	1. Framework Phase • Kickoff and Diagnosis 2. Study Phase • Data Collection & Public Feedback • Alternatives Evaluation • Preferred Alternatives Selection	1. Kickoff, Diagnosis, and Preliminary Alternatives 2. Alternatives Evaluation, Public Feedback, and Preferred Alternative Selection 3. Preferred Alternative Development, Risk Assessment, and Investment Strategy + Application

STARS Study Locations

1. **Emmet Street/US 29 between Barracks Rd and Hydraulic Rd**
 - Will include the 250 interchange
2. **US 29 between Hydraulic Rd and Woodbrook Dr**
3. **W. Main/Ridge McIntire/W Water St/South Street Intersection**



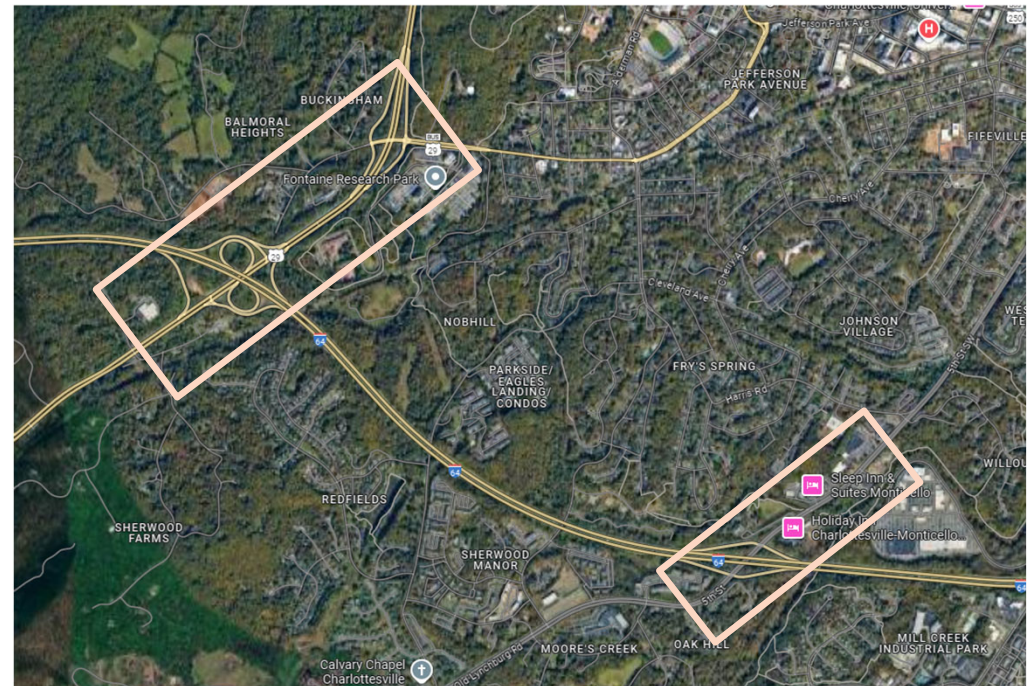
Project Pipeline Proposed Locations

1. 5th Street

- Further analysis on 5th Street/I-64 DDI
- Re-examine the 5th Street/5th Street Station intersection

2. US 29 at the I-64 Exit 118 interchange

*An alternative solution at Barracks Road was developed in the previous Project Pipeline study and could be submitted as a Round 7 SMART SCALE project



Questions?

