

## AGENDA

Join Zoom Meeting

<https://us02web.zoom.us/j/83543174168>

(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

† Times are approximate      \* Requires a vote of the Board

| Item | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | Time†                                           |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1    | <b>*Call to Order &amp; Attendance</b> — Chair Gallaway & Sarah Simba<br>a. *Remote participation Policy for Voting Board Members—if needed                                                                                                                                                                                                                                                                                                               | 04:30 — 04:35                                   |
| 2    | <b>Matters from the Public</b> — Chair Gallaway<br>Members of the public are welcome to provide comments on any transportation-related topic, including the items listed on this agenda (limit three minutes per speaker)                                                                                                                                                                                                                                 | 04:35 — 04:40                                   |
| 3    | <b>*General Administration</b> — Chair Gallaway<br>a. *Review and Acceptance of the Agenda<br>b. *Approval of the Draft June 25, 2025, Meeting Minutes<br>c. *Remote/Virtual Meeting Policy — Taylor Jenkins, AICP<br>i. Staff Memo, Electronic Meeting Policy, and Resolution                                                                                                                                                                            | 04:40 — 04:50                                   |
| 4    | <b>* New Business</b> — Chair Gallaway<br>a. *CA-MPO Travel Demand Model Update — Nagaraju Kashayi, AECOM<br>i. Presentation and Staff Memo<br>b. Transportation Demand Management Study — Taylor Jenkins, AICP<br>i. Presentation, Final Scope of Work, and Staff Memo<br>c. CA-MPO FY24-27 TIP Amendment — Gorjan Gjorgjievski<br>i. Staff Memo, Resolution, and TIP Document                                                                           | 04:50 — 05:05<br>05:05 — 05:15<br>05:15 — 05:20 |
| 5    | <b>Informational</b> — Chair Gallaway<br>a. CA-MPO Citizens Transportation Advisory Committee<br>i. Presentation — Taylor Jenkins, AICP                                                                                                                                                                                                                                                                                                                   | 05:20 — 05:50                                   |
| 6    | <b>Staff Updates</b> — Chair Gallaway<br>a. Safe Streets and Roads for All (SS4A) — Gorjan Gjorgjievski<br>i. <a href="#">Move Safely Blue Ridge – Final Plan</a><br>ii. FY25 CA-MPO Grant Application<br>b. CA-MPO and SAW-MPO Joint Meeting — Taylor Jenkins, AICP<br>a. Save the Date: September 30, 2025<br>c. RAISE/BUILD Grant Application Update — Taylor Jenkins, AICP<br>d. Next Regular Policy Board Meeting Date — October 22, 2025, at 4:30pm | 05:50 – 06:00                                   |
| 7    | <b>VDOT Update on Projects</b> — Chuck Proctor & Sandy Shackelford<br>a. STARS and Pipeline Studies<br>b. SMART SCALE                                                                                                                                                                                                                                                                                                                                     | 06:00 – 06:15                                   |
| 8    | <b>Roundtable Updates</b> — Chair Gallaway                                                                                                                                                                                                                                                                                                                                                                                                                | 06:15 – 06:25                                   |
| 9    | <b>Additional Matters from the Public</b> — Chair Gallaway<br>Members of the Public are welcome to provide additional comments on any transportation-related topic, including the items listed on this agenda (limit of 3 minutes per speaker)                                                                                                                                                                                                            | 06:25 – 06:30                                   |
| 10   | <b>Adjourn</b> — Chair Gallaway                                                                                                                                                                                                                                                                                                                                                                                                                           | 06:30 pm                                        |

|                                                                   |
|-------------------------------------------------------------------|
| <b>VOTING MEMBERS</b>                                             |
| <b>Chair:</b> Ned Gallaway, Albemarle County BOS                  |
|                                                                   |
| <b>Vice-Chair:</b> Natalie Oschrein, Charlottesville City Council |
|                                                                   |
| Ann Mallek, Albemarle County BOS                                  |
| Brian Pinkston, Charlottesville City Council                      |
| Sean Nelson, VDOT Culpeper District                               |
| Stacy Londrey, Alternate, VDOT Culpeper District                  |
|                                                                   |
| <b>NON-VOTING MEMBERS</b>                                         |
| Christine Jacobs, TJPDC                                           |
| Steven Minor, FHWA                                                |
| Vacant, FAA                                                       |
| Daniel Koenig, FTA                                                |
| Mitch Huber, DRPT                                                 |
| Wood Hudson, DRPT Alternate                                       |
| Julia Monteith, UVA Office of the Architect                       |
| Mike Murphy, Jaunt                                                |
| Sarah Medley, CTAC Liaison                                        |
| Garland Williams, CAT Transit Director                            |
|                                                                   |
| <b>STAFF</b>                                                      |
| Christine Jacobs, TJPDC                                           |
| Taylor Jenkins, TJPDC                                             |
| Lucinda Shannon, TJPDC                                            |
| Ruth Emerick, TJPDC                                               |
| Logan Ende, TJPDC                                                 |
| Isabella O'Brien, TJPDC                                           |
| Gorjan Gjorgjievski, TJPDC                                        |
| Gretchen Thomas, TJPDC                                            |
| Sarah Simba, TJPDC                                                |
|                                                                   |
| <b>GUESTS</b>                                                     |
| Charles Proctor, VDOT – Culpeper District                         |
| Sandy Shackelford, VDOT – Culpeper District                       |

**MPO Policy Board Meeting**

Minutes, June 25, 2025

**DRAFT**

A video of this meeting can be found at: <https://www.youtube.com/watch?v=eD-WVaJA1bQ&t=337s>

| 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 Gjorgjevski, TJPDC                   | x |
| Stacy Londrey, VDOT (alternate)   | x | Taylor Jenkins, TJPDC                       | x |
|                                   |   |                                             |   |
| NON-VOTING MEMBERS                |   | GUESTS/PUBLIC                               |   |
| Jason Espie, Jaunt *              | x | Peter Krebs, Piedmont Environmental Council | x |
| Christine Jacobs, TJPDC           | x | Tonya Schwazendruber, Albemarle County      | x |
| Julia Monteith, UVA               | x | Ben Chambers, City of Charlottesville       | x |
| Garland Williams, CAT             | x | Sean Tubbs *                                | x |
| Steven Minor FHWA                 |   | Zoë McComber                                | x |
| Daniel Koenig, FTA                |   | Jen Fleischer                               | x |
| Sarah Medley, CTAC                | x | Bruce White, CAT                            | x |
| Chuck Proctor, VDOT               |   |                                             |   |
| Mitch Huber, DRPT *               | x |                                             |   |
| Mike Murphy, Jaunt                |   |                                             |   |
| Sandy Shackelford, VDOT           | x |                                             |   |
| Wood Hudson DRPT (alternate) *    | x |                                             |   |

\* attended online via Zoom

**1. CALL TO ORDER (MINUTE 6:33)**

The MPO Policy Board Chair, Ned Gallaway, presided and called the meeting to order at 4:01 p.m. Gorjan Gjorgjevski called roll.

**2. MATTERS FROM THE PUBLIC (MINUTE**

**Comments from the Public:** Paul Grady, citizen just outside of Crozet. He said he is stunned that the Kroger is closing its Hydraulic Road store. He was hoping Kroger would become a partner in extending Hillsdale Drive south to Holiday Drive. He said that connection has to be made. He gives a 1-1/2 thumbs up to the diverging diamond at I-64 on Pantops. The only criticism he has is that the traffic lights are not well-coordinated with the rest of Richmond Road. He continued by saying the lights on Long Street aren't well-coordinated either.

He said regarding the roundabout at Hydraulic and Hillsdale, he gives that 1-1/2 thumbs up. He has noticed people changing lanes in the roundabout and he says there should be some signage to discourage that.



City of Charlottesville

Albemarle County

Fluvanna County

Greene County

Louisa County

Nelson County

Lastly, regarding the extension of the left turn lane on the 250 bypass and Hydraulic Road is still only half as long as it needs to be.

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

### **3. GENERAL ADMINISTRATION (MINUTE 9:46)**

#### Approval of the Agenda

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

#### Approval of April 23, 2025 Meeting Minutes

**Motion/Action:** Ann Mallek made a motion to approve the minutes. Natalie Oschrein seconded, and the motion passed unanimously.

### **4. NEW BUSINESS (MINUTE 10:30)**

#### Travel Demand Management (TDM) Study

Taylor Jenkins presented the board with the background of the TDM study to be completed by the MPO staff, and not by consultant. She reiterated that prior to the start of the new FY, it would be good for the board to ensure the scope capture regional needs and provide their feedback on the scope of work provided. She presented three similar study examples staff have reviewed. She continued by giving an overview of the Tasks that will be undertaken for the study during the MPO FY26 UPWP.

Ms. Mallek suggested that staff look at Strava data. It was also noted that the SS4A grant, if awarded, will benefit from the information gathered with this study.

Ms. Oschrein noted it might be beneficial to ask “would you prefer to live closer to where you work” to collect that data point; stating the fact that housing is still a cause that could be pushing people away while they may still need to communicate to and from the MPO area. She suggested to consider an additional layer if the study to understand the connection between housing and transportation.

Ms. Medley said it is important to find on-demand services for those who need transit/transportation in emergency, i.e., Guaranteed Ride Home program through Rideshare, based on the University transportation model.

Ms. Jacobs said this study is a learning opportunity to garner information about the area and how best to use that information for future decisions while building that capability.

Ms. Monteith asked for clarification on the purpose of the three selected study? Ms. Jenkins stated that the preselected examples were simply serving as a guide for a methodology for MPO staff to consider, and not to shape the scope of work or replicate the same thing.

A board member asked for clarification on StreetLight and how the data collected from this platform could help inform decisions in the MPO area. Ms. Jenkins responded and reiterated that this GPS based cellphone data source, a tool that provides VDOT and its partners with statewide access to transportation data. There are other data sources that will be considered by the MPO as well.

Another and final scope of work will be brought to the Policy Board at their next meeting for review and final feedback to the MPO Policy Board member at their next meeting on August 27, 2025.

### Charlottesville Area Transit FTA Low or No Emission Project

Garland Williams gave an introduction about their capital spending projections. He said \$1.1 billion of federal funding is for the No or Low Emissions grant.

Bruce White, Senior Project Manager with Charlottesville Area Transit (CAT), said they have been working on three projects for the past year. The first is with Kimley-Horn, and they produced a feasibility study. The next project was done by Wendel, and they did a site evaluation. The third was the transition plan using both of the preceding projects.

He presented the board with the existing CAT site. It is only about 15 years old, but the infrastructure does not support battery electric- or hydrogen-powered vehicles. They looked at retrofitting the site, but the cost was going to be \$15-20 million. It is more economical to start fresh. That also allows for phasing in the vehicles as they become available.

He said there is a three-acre lot sitting next to their current six-acre facility, which the City owns. There is also a four-acre lot next to the three-acre lot that they are hoping to purchase in the future in order to expand the way they need to.

He continued showing the infrastructure and the need for parking for the additional buses needed to meet the route demands. He shared the conceptual site plan from Wendel.

He said the costs are mainly associated with a new maintenance facility. He presented the assumptions for the capital costs summary and the projected costs (~\$37 million) with a five percent inflated cost accounted for. He said the request they will ask for is \$39.9 million. CAT wanted to be sure to include increases in construction costs, supply chain issues, inflation, etc. There is a local match request for 80/20. Mr. Williams said CAT has already saved a portion of their match.

Mr. White continued with the explanation of the NEPA process (the National Environmental Policy Act of 1970). It is required by Federal Transit Administration (FTA) to use federal funds for the project. He described the five focus areas (hazardous materials, traffic analysis, cultural resources, noise and vibration, and natural resources) and noted that CAT is approximately 60% through the requirements of NEPA.

Mr. White said CAT is trying for a "Categorical Exclusion" (CE) submission.

He continued with the battery electric bus (BEB) pilot charging infrastructure site explanation. He said CAT has two BEBs on order and are expecting them in June of 2026. Mr. Williams said they got approved of two additional BEBs.

There was a discussion about using solar in this project and there are designs for solar as electricity generation source. This could be a possibility to consider. The new maintenance facility is the focus of this request, based on the financial report provided by Kimly Horn. No or greater impact is expected long term as of now. Considering the school and transit buses location today.

The grant prioritizes families and children—this is FTA money throughout. The money will come from USDOT through —these funds cannot be used for school buses even if we wanted to do so regionally.

**Motion/Action:** Brian Pinkston made a motion to approve a resolution of support for the grant application. Ann Mallek seconded, and the motion passed unanimously.

## **5. INFORMATIONAL**

### **Safe Streets and Roads for All (SS4A), Regional Move Safely Blue Ridge (Minute 1:06:05)**

Gorjan Gjorgjievski presented the board with the background of SS4A. He noted that both the City of Charlottesville and Albemarle have adopted resolutions to reduce the number of fatalities and serious injuries by half by 2045, and the City of Charlottesville said the goal is to eliminate fatalities by 2045.

He reviewed the planning process, the key methodology, High-Injury Network (HIN), the 4 “Es” of roadway safety, including engineering, education, enforcement and emergency response.

He continued with an overview of the three rounds of public engagement they employed.

He reviewed the proposed solutions that were devised through the study: spot improvements, systemic improvements, and policies and programs.

Lastly, he reviewed the next steps including funding opportunities through SS4A implementation funding, SMART SCALE, Highway Safety Improvement Program (HSIP), and revenue sharing. He said there could be an annual update of crash data on the Move Safely Blue Ridge website to monitor the progress towards the goals set.

### **CA-MPO CTAC Membership & Appointments (Minute 1:16:46)**

Taylor Jenkins said the CTAC committee has two member terms that have expired, and one person has resigned. The Policy Board is the appointing body for that committee.

Ned Gallaway noted that the Albemarle representative asked what the point was for the committee if there is no long-range transportation plan formation underway. In the pre-agenda it was discussed to bring the knock on the door that will happen at the next MPO Policy Board. It was time to reconsider the charge of CTAC.

Sarah Medley said the committee recently reviewed the bylaws and there was a discussion about the purpose of the committee. Everyone is interested in being more active in regional planning and advising the Policy Board and Technical committees, but the bylaws do not provide for those opportunities. She said they have come up with some amendments to the bylaws and will present them to the Policy Board once they have completed those updates.

Mr. Gallaway said he would be willing to engage with the CTAC committee. The next meeting Policy Board is in August.

There was a discussion about the purpose of the committee.

How to engage with the public where they are. Ms. Mallek noted that perhaps staff go back and look at the committee’s engagement 15-20 years ago. (Pete Anderson, UVA Architect at the time, was on the committee.) She said she would be happy to engage with the committee as well. Taylor Jenkins said she would be the point person for that.

## **6. STAFF UPDATES (MINUTE 1:30:00)**

### **TIP Administrative Modifications/Amendment**

Gorjan Gjorgjievski said there have been two requests for adjustments. The first adjustment is #13 from DRPT and is a request to add funding to the FY25 in the amount of \$215K (\$34K will be State funds \$172K will be Federal funds and \$8K will be a local match).

The second adjustment is #14 from VDOT, preventative maintenance for bridges grouping to reflect the most recent changes of \$335K from SDBG funds from FY24 to FY25. This reflects the actual expenditure during the same period.

He continued stating the Amendment (12) adds a new TIP block for operating assistance which will aid in funding to the PATH program.

**Motion/Action:** Ann Mallek made a motion to approve amendment #12. Natalie Oschrein seconded, and the motion passed unanimously.

#### FY26 UPWP Updated Allocations

Taylor Jenkins said the UPWP has been adopted with the anticipated updated allocations. Those allocations have been added to the UPWP and are available in your packet.

#### FY26 Calendar of Meetings/Proposed Meeting Dates

Taylor Jenkins said the MPO Tech committee will be changing their meetings to every other month on the first Tuesday from 10:am to 12:00pm. She proposed that the MPO Policy Board stay on the same schedule but change the time from 4:00 p.m. to 4:30. If changes need to be made to the time due to Council budgeting meetings, they will handle that when necessary.

### **7. VDOT UPDATES ON PROJECTS (MINUTE 1:36:40)**

Sandy Shackelford said Smart Scale Round 7 is starting and there will be a substantive review of the project's performance submitted at the July CTB meeting. She said VDOT has completed the public feedback meeting on the Main/Ridge/South St intersection and there will be a second feedback meeting on the alternatives. A public meeting will take place in early August and will be followed by another survey to collect data on the proposed alternatives.

She said regarding the combined US29 study between Barracks Road and Woodbrook, the public survey had over 2000 responses, and she noted there has been a kick-off meeting for the transit component of that study. She said the existing conditions report will be completed in early August.

She continued by stating that VDOT wrapped up the two surveys for the pipeline projects (5th Street Diverging Diamond at the I-64 Interchange and US29 at I-64 Exit 118 interchange) with 700+ responses on the DDI and 450 responses on the Exit 118 survey. She said VDOT will be working on evaluating the data received in the coming month.

An evaluation of the pipeline projects alternative will be starting next month, September 2025. There was a brief discussion about any changes to the Smart Scale scoring.

### **8. ROUNDTABLE UPDATES (MINUTE 1:44:30)**

Jason Espie reported that Jaunt is currently developing its communications and marketing plan. He said CTB approved Jaunt's applications for facilities and parking lot upgrades, and microtransit, and ADA Greene County pilot, as well as a full-scheduling dispatch software transition. He said they also engaged in a community survey starting on June 2 and will conclude on July 2. He thanked everyone for spreading the word and to please

continue to do so. He said Jaunt will share the results of the survey with their Board first and then will make presentations to other public bodies.

Mitch Huber said the Six Year Improvement Plan (SYIP) has been adopted and is available on the DRPT website. He said DRPT has been hosting NTI courses online. The Public Involvement in Transportation Decision Making available from July 8-10, available at Roanoke Community College. There is also the State and Metropolitan Transportation on September 15-16 at Plan RVA. He stated that any planners interested in these can reach out to them for registration information. He shared that the information is also on their website.

Julia Monteith did not have any updates and noted that UVA is on their summer schedule.

Garland Williams said CAT will be giving an update to the City Council on July 21. CAT will be laying out their scenarios on the system optimization program and other programs during the 4:00 session of the meeting. He said they have some capital money to spend down on amenity projects, including bus stop at Midway Manor. He noted that there are three other capital projects in the City and five in the County. He said these projects have been much more expensive than they anticipated, so they had to ask for additional funding to make them possible. There was a discussion on providing bus shelters, and the necessity of ensuring compliance first.

Sarah Medley said there was a member of the public who came to the last meeting who expressed concern about pedestrian safety in the region.

Sean Nelson said there have been several public engagement meetings recently, including the Route 29 project and the Fontaine project. The Citizen Information week took place. He gave several construction project updates and start dates.

Ben Chambers said May was Bike month and was very successful. They worked with the County to promote the Better Business Challenge. [www.BikeCville.com](http://www.BikeCville.com) is now up and running online. The Quick Build program is being utilized throughout the City at 34 locations. He said there are an additional 33 locations they have identified for the future.

Tonya Swartzendruber said the County has kicked off the Three Notch'd Trail initiative. They are in the process of looking at alternatives for the future of that project. She said the County's bike/ped count looks very successful on the Free Bridge Lane closure. She also reported that the County is in the middle of their comprehensive plan and that the Transportation chapter was brought to the Board in May and they got good feedback.

Natalie Oschrein said if anyone wants to join the Bike/Ped Advisory Committee, they are going to a "bike and walk" to some of the quick build locations starting at 5:00 p.m. on July 3 outside of City Hall. She also shared that [www.meetings.cvilledata.org](http://www.meetings.cvilledata.org) is a website created to easily navigate if you want to watch public meetings for the City of Charlottesville, Albemarle County, Greene County and the City of Harrisonburg.

#### **9. ADDITIONAL MATTERS FROM THE PUBLIC (MINUTE 2:04:52)**

None.

The meeting was adjourned at 5:59 p.m.

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

## Memorandum

**To:** Charlottesville-Albemarle Metropolitan Planning Organization's (CA-MPO) Committees  
**From:** Taylor Jenkins, Transportation Director, TJPDC/CA-MPO  
**Date:** August 27, 2025  
**Subject:** Remote Electronic Participation and All-Virtual Meeting Policy

### Purpose:

According to § 2.2-3708.3 of the *Code of Virginia*, public bodies may hold all-virtual public meetings and allow for individual members to participate in meetings remotely provided that the public body has an adopted policy as described in § 2.2-3708.3. Public bodies must adopt this meeting policy at least annually.

The Remote Electronic Participation and All-Virtual Meeting Policy is adopted by the CA-MPO Policy Board and applies to its committees (CA-MPO Tech and CTAC). Items of note include:

- For an individual member to participate from a remote location, a physical quorum must be assembled at the in-person meeting location. Individual members must provide advance notice of remote participation and specify a reason as categorized below:
  - Due to a temporary or permanent disability or other medical condition that prevents the member's physical attendance;
  - Because a family member's medical condition requires the member to provide care for such family member;
  - Because such member's principal residence is more than 60 miles from the meeting location identified in the required notice for such meeting; or
  - due to a personal matter. Remote participation for a personal matter is limited to two meetings per calendar year, or 25% of the meetings held per calendar year (whichever is greater).
- The public body may hold all-virtual meetings twice per calendar year or 50% of the meetings held per calendar year. When holding an all-virtual meeting, public notice must advertise the meeting as all-virtual and provide public access via electronic communication means.

### Recommendations:

MPO Policy Board: Staff recommends a motion to adopt the Remote Electronic Participation and All-Virtual Meeting Policy as presented.

MPO Technical Committee: Informational item.

Citizens Advisory Committee: Informational item.

If there are any questions or comments, please contact Taylor Jenkins at [tjenkins@tjpd.org](mailto:tjenkins@tjpd.org).

## **REMOTE ELECTRONIC PARTICIPATION and ALL-VIRTUAL MEETING POLICY**

This policy has two purposes. The first is to provide for the Charlottesville-Albemarle Metropolitan Planning Organization (CA-MPO) to permit a member to participate in a CA-MPO meeting through electronic communication means from a remote location, and the second is to allow the CA-MPO to conduct all-virtual meetings, in the manner allowed by the Virginia Freedom of Information Act (FOIA) and as set out in this policy.

### **POLICY:**

It is the policy of Charlottesville-Albemarle Metropolitan Planning Organization (CA-MPO) that individual members of the CA-MPO may participate in CA-MPO meetings by electronic communication as permitted by subsection B of § 2.2-3708.3 of the *Code of Virginia*. This policy shall apply to the entire membership without regard to the identity of the member requesting remote participation or the matters that will be considered or voted on at the meeting.

In order for an individual member to participate from a remote location as authorized by § 2.2-3708.3 B, a quorum of the CA-MPO must be physically assembled at the primary or central meeting location. When such individual participation is due to a personal matter, set out in section A.4, below, such participation is limited to two meetings per calendar year or 25 percent of the meetings held per calendar year, rounded up to the next whole number, whichever is greater.

Further, it is the policy of the CA-MPO that the CA-MPO may hold all-virtual public meetings pursuant to subsection C of § 2.2-3708.3 of the *Code of Virginia*. Such all-virtual public meetings are limited to two meetings per calendar year or 50 percent of the meetings held per calendar year, rounded up to the next whole number, whichever is greater. An all-virtual public meeting may not be held consecutively with another all-virtual public meeting.

This policy shall apply to the CA-MPO and to all committees created by or under the authority of the CA-MPO.

### **REMOTE ELECTRONIC PARTICIPATION BY CA-MPO MEMBERS:**

"Remote participation" means participation by an individual member of a public body by electronic communication means in a public meeting where a quorum of the public body is otherwise physically assembled.

"Electronic communication" means the use of technology having electrical, digital, magnetic, wireless, optical, electromagnetic, or similar capabilities to transmit or receive information.

A. Notification of Inability to Attend Because of Disability, Medical Condition, Location or Personal Matter

In advance of the meeting at which remote participation is requested, the member shall notify the Chair or staff committee lead that he or she is unable to attend the meeting

- 1) due to a temporary or permanent disability or other medical condition that prevents the member's physical attendance;
- 2) because a family member's medical condition requires the member to provide care for such family member;
- 3) because such member's principal residence is more than 60 miles from the meeting location identified in the required notice for such meeting; or
- 4) due to a personal matter. The member must identify with specificity the nature of the personal matter and may not use remote participation due to personal matters more than two meetings per calendar year, or 25 percent of the meetings held per calendar year rounded up to the next whole number, whichever is greater.

B. Quorum Physically Assembled; Approval of Remote Electronic Participation

A quorum of the CA-MPO must be physically assembled at the primary or central meeting location. The members of the CA-MPO present must approve of the remote electronic participation in order for the member to participate remotely; however, the decision shall be based solely on the criteria in Section A, without regard to the identity of the member or items that will be considered or voted on during the meeting.

C. Record of Action

The CA-MPO shall record in its minutes the remote location from which a member participated. The minutes also shall reflect the specific nature of the personal matter; the disability or medical condition; the fact that a family member's medical condition that required the member to provide care for such family member, thereby preventing their physical attendance; or that that such member's principal residence is more than 60 miles from the meeting location identified in the required notice for such meeting. If the absent member's remote participation is disapproved because participation would violate this policy, the disapproval shall be recorded in the CA-MPO's minutes with specificity.

**ALL-VIRTUAL MEETINGS:**

"All-virtual public meeting" means a public meeting (i) conducted by the CA-MPO or its committees (hereinafter public body) using electronic communication means, (ii) during which all members of the public body who

participate do so remotely rather than being assembled in one physical location, and (iii) to which public access is provided through electronic communication means.

When holding an all-virtual public meeting, the CA-MPO or committee shall follow the requirements of this policy, other meeting requirements under FOIA, and the following statutory requirements:

- 1) An indication of whether the meeting will be an in-person or all-virtual public meeting is included in the required meeting notice along with a statement notifying the public that the method by which a public body chooses to meet shall not be changed unless the public body provides a new meeting notice in accordance with the provisions of § 2.2-3707;
- 2) Public access to the all-virtual public meeting is provided via electronic communication means;
- 3) The electronic communication means used allows the public to hear all members of the public body participating in the all-virtual public meeting and, when audio-visual technology is available, to see the members of the public body as well. When any member of the CA-MPO or any of its committees has audio-visual technology available, and electronic communication is being used to establish a quorum, that member shall be considered absent from any portion of a meeting during which visual communication with the member is voluntarily disconnected or otherwise fails or during which audio communication involuntarily fails;
- 4) A phone number or other live contact information is provided to alert the public body if the audio or video transmission of the meeting provided by the public body fails, the public body monitors such designated means of communication during the meeting, and the public body takes a recess until public access is restored if the transmission fails for the public;
- 5) A copy of the proposed agenda and all agenda packets and, unless exempt, all materials furnished to members of a public body for a meeting is made available to the public in electronic format at the same time that such materials are provided to members of the public body;
- 6) The public is afforded the opportunity to comment through electronic means, including by way of written comments, at those public meetings when public comment is customarily received;
- 7) No more than two members of the public body are together in any one remote location unless that remote location is open to the public to physically access it;
- 8) If a closed session is held during an all-virtual public meeting, transmission of the meeting to the public resumes before the public body votes to certify the closed meeting as required by subsection D of § 2.2-3712;

9) The public body does not convene an all-virtual public meeting (i) more than two times per calendar year or 50 percent of the meetings held per calendar year rounded up to the next whole number, whichever is greater, or (ii) consecutively with another all-virtual public meeting; and

10) Minutes of all-virtual public meetings held by electronic communication means are taken as required by § 2.2-3707 and include the fact that the meeting was held by electronic communication means and the type of electronic communication means by which the meeting was held. If a member's participation from a remote location pursuant to this subsection is disapproved because such participation would violate the policy adopted pursuant to subsection D, such disapproval shall be recorded in the minutes with specificity.

The policy replaces the Remote Electronic Participation and All-Virtual Meeting Policy adopted on September 28, 2022. Updates to and readoption of this policy shall occur at least once annually.

**RESOLUTION ADOPTING THE  
REMOTE ELECTRONIC PARTICIPATION AND ALL-VIRTUAL MEETING POLICY**

**WHEREAS**, the Code of Virginia § 2.2-3708.3 permits public bodies to hold all-virtual public meetings and allow for individual members to participate in meetings remotely provided that the public body has an adopted policy as described in § 2.2-3708.3; and

**WHEREAS**, the public body must adopt this meeting policy at least once annually; and

**WHEREAS**, the Charlottesville-Albemarle Metropolitan Planning Organization (CA-MPO) recognizes the need to establish clear guidelines for remote electronic participation by individual members and for the conduct of all-virtual public meetings; and;

**WHEREAS**, the CA-MPO has developed a *Remote Electronic Participation and All-Virtual Meeting Policy* that:

- Permits members to participate remotely in CA-MPO meetings, subject to physical quorum, notice, and the nature of participation;
- Allows the CA-MPO to conduct all-virtual public meetings in accordance with subsection C of § 2.2-3708.3 of the *Code of Virginia*, with limitations on frequency, notice, and public access;
- Establishes procedures for notification, approval, recordkeeping, and public engagement to ensure compliance with FOIA; and
- Applies to the CA-MPO and all committees created by or under its authority.

**NOW, THEREFORE, BE IT RESOLVED** that the Charlottesville-Albemarle Metropolitan Planning Organization Policy Board hereby adopts the *Remote Electronic Participation and All-Virtual Meeting Policy* as the official policy governing remote participation and all-virtual meetings for the CA-MPO and its committees.

Adopted on this 27<sup>th</sup> of August 2025, by the Charlottesville-Albemarle Metropolitan Planning Organization Policy Board.

ATTESTED:

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Ned Gallaway, Chair  
Charlottesville-Albemarle MPO

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Christine Jacobs, Executive Director  
Thomas Jefferson Planning District Commission

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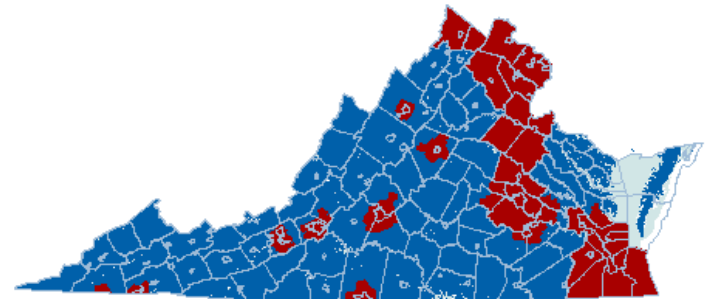
Date

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Date



**MPO Policy Board  
August 27, 2025  
Regional Travel Demand Model Demographics Development**

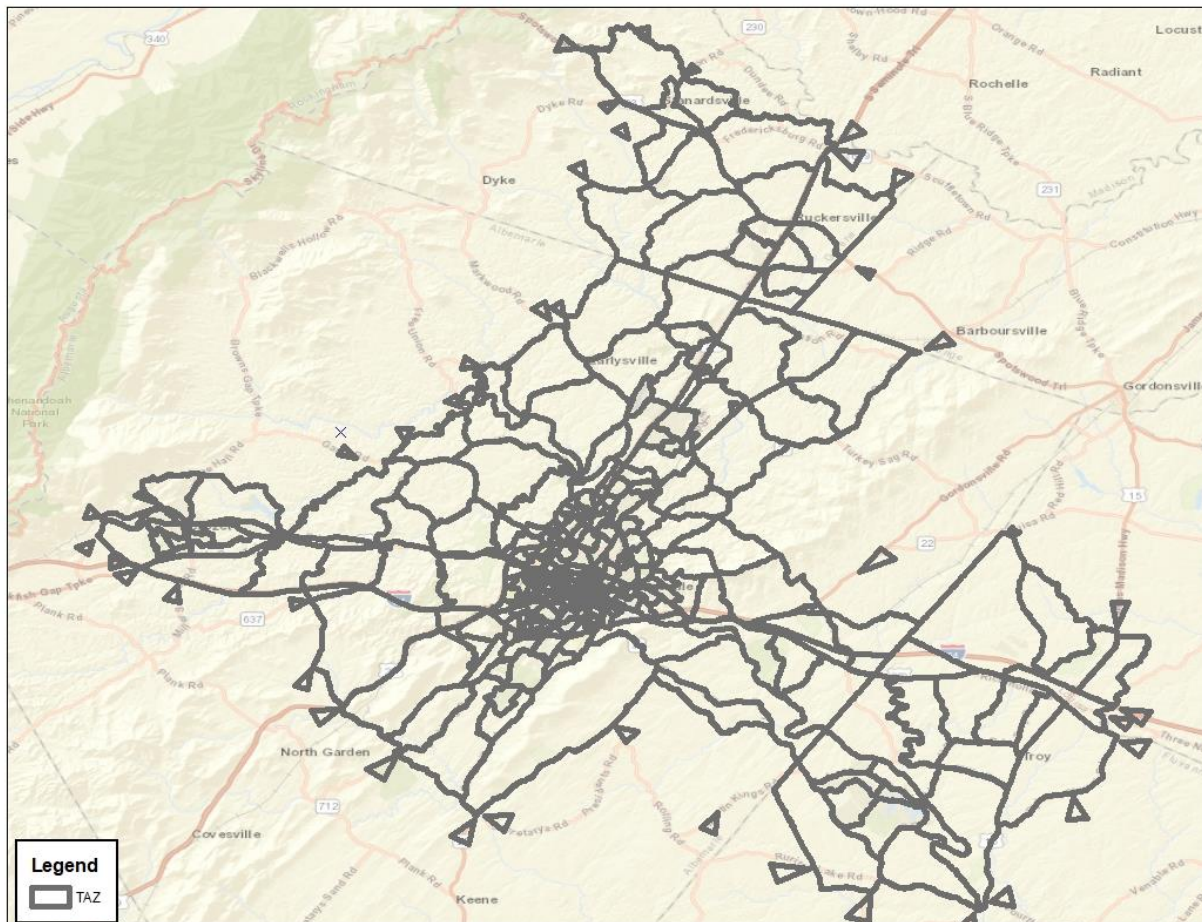


# Charlottesville Regional Travel Demand Model Update

- Regional travel demand model in the process of being updated
- New model base year 2022
- Updated Traffic Analysis Zone (TAZ) boundaries
- Updated demographics for year 2022

# Model Transportation Analysis Zones (TAZ)

- **New zone system based on Urbanized areas**
- **Includes City of Charlottesville and portions of Albermarle County**
- **Also includes portions from Greene, Louisa and Fluvanna counties**



# Data Sources for Demographic Data

- **Three sources were used to assign each TAZ 2022 demographic and economic data:**
  - **Weldon-Cooper 2022 Population Estimates**
    - County/City Level Data
  - **Woods & Poole 2022 Employment Estimates**
    - County/City Level Data (NOTE: Charlottesville City and Albermarle County data is combined)
  - **2022 American Community Survey (ACS) 5-Year Estimates**
    - Block Group Level Data

# Demographic Data

- Demographics variables and method of estimation:

| Variable                                    | Source                                                     | Notes                                                                                                                        |
|---------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Total Population                            | 2022 ACS 5-Year Estimates and 2022 Weldon Cooper Estimates | Initially assigned using ACS to improve granularity before converting to Weldon Cooper estimates.                            |
| Household Population                        |                                                            |                                                                                                                              |
| Group Quarters Population                   |                                                            |                                                                                                                              |
| Total Household Units                       | 2022 ACS 5-Year Estimates                                  |                                                                                                                              |
| Average Household Size                      | Calculated – ACS universe                                  | TAZ ACS Population / TAZ Household Units. Weldon Cooper not used due to mixing of data universes and granularity differences |
| Average Household Income                    | 2022 ACS 5-Year Estimates                                  | Block Group Level assignment. Median Income not used due to Census constraints                                               |
| Average Workers per Household               | 2022 ACS 5-Year Estimates                                  | Adjustments made based on TAZ household units/group quarter population                                                       |
| K-12 Enrollment in Households               |                                                            |                                                                                                                              |
| University/College Enrollment in Households |                                                            |                                                                                                                              |
| Average Vehicles per Household              | 2022 ACS 5-Year Estimates                                  | Block Group Level Assignment                                                                                                 |
| Average Students per Household              | Calculated – ACS universe                                  | TAZ K-12 and University/College Enrollment in Households / TAZ Household Units                                               |
| Households with Seniors (65+)               | 2022 ACS 5-Year Estimates                                  | Adjustments made based on TAZ household units                                                                                |

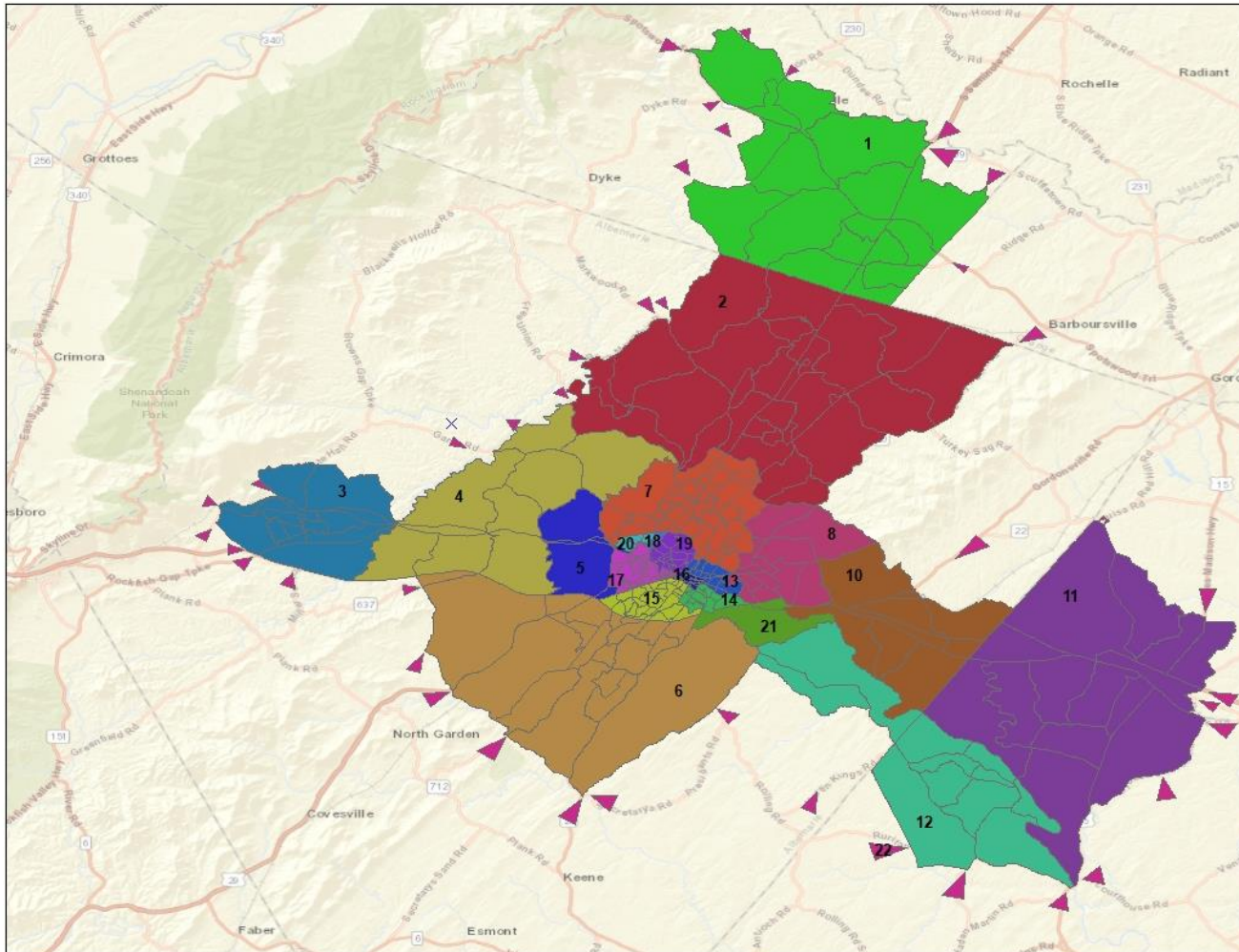
# Demographic Data

- Demographics variables and method of estimation:

| Variable                                                                           | Source                       | Notes                                                                                        |
|------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------|
| Total Employment                                                                   | Calculated                   | Summation of TAZ NAICS assignments                                                           |
| NAICS 11: Agriculture, Forestry, Fishing and Hunting                               | 2022 Woods & Poole Estimates | Calculated as the proportion of employment type within the TAZ's county as purported in 2015 |
| NAICS 21: Mining                                                                   |                              |                                                                                              |
| NAICS 22: Utilities                                                                |                              |                                                                                              |
| NAICS 23: Construction                                                             |                              |                                                                                              |
| NAICS 31-33: Manufacturing                                                         |                              |                                                                                              |
| NAICS 42: Wholesale Trade                                                          |                              |                                                                                              |
| NAICS 44-45: Retail Trade                                                          |                              |                                                                                              |
| NAICS 48-49: Transportation and Warehousing                                        |                              |                                                                                              |
| NAICS 51: Information                                                              |                              |                                                                                              |
| NAICS 52: Finance and Insurance                                                    |                              |                                                                                              |
| NAICS 53: Real Estate Rental and Leasing                                           |                              |                                                                                              |
| NAICS 54: Professional, Scientific, and Technical Services                         |                              |                                                                                              |
| NAICS 55: Management of Companies and Enterprises                                  |                              |                                                                                              |
| NAICS 56: Administrative and Support and Waste Management and Remediation Services |                              |                                                                                              |
| NAICS 61: Educational Services                                                     |                              |                                                                                              |
| NAICS 62: Health Care and Social Assistance                                        |                              |                                                                                              |
| NAICS 71: Arts, Entertainment, and Recreation                                      |                              |                                                                                              |
| NAICS 72: Accommodation & Food Services                                            |                              |                                                                                              |
| NAICS 81: Other Services (except Public Administration)                            |                              |                                                                                              |
| NAICS 92: Public Administration                                                    |                              |                                                                                              |

# Model Districts

- District definition



|    |                        |
|----|------------------------|
| 1  | Greene                 |
| 2  | Hollymead              |
| 3  | Crozet                 |
| 4  | W Albermarle           |
| 5  | Ednam                  |
| 6  | S of Charlottesville   |
| 7  | N of Charlottesville   |
| 8  | E of Charlottesville   |
| 10 | Keswick                |
| 11 | Louisa                 |
| 12 | Fluvanna               |
| 13 | N of Downtown          |
| 14 | SE of Downtown         |
| 15 | SW of Downtown         |
| 16 | Downtown               |
| 17 | University of Virginia |
| 18 | Barracks Road          |
| 19 | Barracks Rugby         |
| 20 | Darden UVA             |
| 21 | Auburn Hills           |
| 22 | Externals              |

# 2022 Demographics Summary

| District               |       | Total<br>Population | Household<br>Population | Group<br>Quarters<br>Population | Households | Total<br>Employment |
|------------------------|-------|---------------------|-------------------------|---------------------------------|------------|---------------------|
| Greene                 | 1     | 16,445              | 16,319                  | 126                             | 5,915      | 3,504               |
| Hollymead              | 2     | 19,461              | 19,431                  | 30                              | 6,755      | 6,970               |
| Crozet                 | 3     | 9,956               | 9,948                   | 8                               | 3,766      | 1,596               |
| W Albermarle           | 4     | 5,511               | 5,511                   | 0                               | 2,068      | 509                 |
| Ednam                  | 5     | 1,708               | 1,693                   | 15                              | 737        | 3,976               |
| S of Charlottesville   | 6     | 12,717              | 12,321                  | 396                             | 4,928      | 3,180               |
| N of Charlottesville   | 7     | 29,971              | 29,318                  | 653                             | 13,417     | 18,110              |
| E of Charlottesville   | 8     | 5,934               | 5,873                   | 61                              | 2,905      | 7,672               |
| Keswick                | 10    | 3,443               | 3,441                   | 2                               | 1,452      | 1,211               |
| Louisa                 | 11    | 8,335               | 7,144                   | 1,191                           | 2,505      | 3,899               |
| Fluvanna               | 12    | 14,015              | 14,015                  | 0                               | 5,316      | 2,433               |
| N of Downtown          | 13    | 6,199               | 6,181                   | 18                              | 2,869      | 8,834               |
| SE of Downtown         | 14    | 6,163               | 6,133                   | 30                              | 2,650      | 2,773               |
| SW of Downtown         | 15    | 14,371              | 14,287                  | 84                              | 5,302      | 2,351               |
| Downtown               | 16    | 1,697               | 1,666                   | 31                              | 873        | 8,249               |
| University of Virginia | 17    | 16,772              | 8,917                   | 7,855                           | 3,405      | 10,696              |
| Barracks Road          | 18    | 1,326               | 841                     | 485                             | 484        | 2,805               |
| Barracks Rugby         | 19    | 9,039               | 7,077                   | 1,962                           | 2,792      | 3,794               |
| Darden UVA             | 20    | 1,050               | 1,009                   | 41                              | 591        | 958                 |
| Auburn Hills           | 21    | 90                  | 90                      | 0                               | 36         | 364                 |
|                        | Total | 184,203             | 171,215                 | 12,988                          | 68,766     | 93,884              |

# Demographics Comparison

- Woods & Poole distribution between NAICS codes for 2015 similar to 2022

| Model Variable | Description                                                                          | All Counties |          |            |            |                  |                  |
|----------------|--------------------------------------------------------------------------------------|--------------|----------|------------|------------|------------------|------------------|
|                |                                                                                      | 2015 W&P     | 2022 W&P | 2015 Model | 2022 Model | 2015 Model - W&P | 2022 Model - W&P |
| TOTEMP         | TOTAL EMPLOYMENT                                                                     | 100%         | 100%     | 100%       | 100%       | 0%               | 0%               |
| EMP11          | FARM, FORESTRY, FISHING, RELATED ACTIVITIES and OTHER EMPLOYMENT EMPLOYMENT          | 2%           | 2%       | 0%         | 0%         | -2%              | -1%              |
| EMP21          | MINING EMPLOYMENT                                                                    | 0%           | 0%       | 1%         | 0%         | 0%               | 0%               |
| EMP22          | UTILITIES EMPLOYMENT                                                                 | 1%           | 1%       | 0%         | 0%         | -1%              | -1%              |
| EMP23          | CONSTRUCTION EMPLOYMENT                                                              | 6%           | 5%       | 10%        | 8%         | 4%               | 3%               |
| EMP3133        | MANUFACTURING EMPLOYMENT                                                             | 3%           | 3%       | 1%         | 1%         | -2%              | -2%              |
| EMP42          | WHOLESALE TRADE EMPLOYMENT                                                           | 2%           | 2%       | 2%         | 2%         | 1%               | 1%               |
| EMP4445        | RETAIL TRADE EMPLOYMENT                                                              | 9%           | 8%       | 10%        | 10%        | 1%               | 2%               |
| EMP4849        | TRANSPORTATION and WAREHOUSING EMPLOYMENT                                            | 2%           | 3%       | 0%         | 0%         | -1%              | -2%              |
| EMP51          | INFORMATION EMPLOYMENT                                                               | 2%           | 2%       | 3%         | 3%         | 2%               | 1%               |
| EMP52          | FINANCE and INSURANCE EMPLOYMENT                                                     | 4%           | 4%       | 4%         | 5%         | 0%               | 1%               |
| EMP53          | REAL ESTATE and RENTAL and LEASE EMPLOYMENT                                          | 5%           | 5%       | 4%         | 5%         | 0%               | 0%               |
| EMP54          | PROFESSIONAL and TECHNICAL SERVICES EMPLOYMENT                                       | 8%           | 9%       | 8%         | 10%        | 0%               | 1%               |
| EMP55          | MANAGEMENT of COMPANIES and ENTERPRISES EMPLOYMENT                                   | 1%           | 1%       | 1%         | 1%         | 0%               | 0%               |
| EMP56          | ADMINISTRATIVE and WASTE SERVICES EMPLOYMENT                                         | 5%           | 5%       | 2%         | 3%         | -3%              | -2%              |
| EMP61          | EDUCATIONAL SERVICES EMPLOYMENT                                                      | 3%           | 2%       | 12%        | 5%         | 10%              | 2%               |
| EMP62          | HEALTH CARE and SOCIAL ASSISTANCE EMPLOYMENT                                         | 8%           | 9%       | 15%        | 15%        | 7%               | 6%               |
| EMP71          | ARTS, ENTERTAINMENT, and RECREATION EMPLOYMENT                                       | 3%           | 3%       | 1%         | 2%         | -2%              | -2%              |
| EMP72          | ACCOMMODATION and FOOD SERVICES EMPLOYMENT                                           | 7%           | 7%       | 12%        | 13%        | 5%               | 6%               |
| EMP81          | OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION EMPLOYMENT                              | 6%           | 6%       | 3%         | 4%         | -2%              | -2%              |
| EMP92          | FEDERAL CIVILIAN GOVERNMENT, FEDERAL MILITARY, STATE and LOCAL GOVERNMENT EMPLOYMENT | 23%          | 24%      | 5%         | 5%         | -19%             | -18%             |
| EMP99          | Others / Uncategorized                                                               | 0%           | 0%       | 3%         | 7%         | 3%               | 7%               |

2015 Model data based on InfoGroup data

# Demographics Comparison

- For Albermarle County + City of Charlottesville Area

| Model Variable | Description                                                                          | Albermarle County + City of Charlottesville |          |            |            |                  |                  |
|----------------|--------------------------------------------------------------------------------------|---------------------------------------------|----------|------------|------------|------------------|------------------|
|                |                                                                                      | 2015 W&P                                    | 2022 W&P | 2015 Model | 2022 Model | 2015 Model - W&P | 2022 Model - W&P |
| TOTEMP         | TOTAL EMPLOYMENT                                                                     | 100%                                        | 100%     | 100%       | 100%       | 0%               | 0%               |
| EMP11          | FARM, FORESTRY, FISHING, RELATED ACTIVITIES and OTHER EMPLOYMENT EMPLOYMENT          | 1%                                          | 1%       | 0%         | 0%         | -1%              | -1%              |
| EMP21          | MINING EMPLOYMENT                                                                    | 0%                                          | 0%       | 1%         | 0%         | 0%               | 0%               |
| EMP22          | UTILITIES EMPLOYMENT                                                                 | 0%                                          | 0%       | 0%         | 0%         | 0%               | 0%               |
| EMP23          | CONSTRUCTION EMPLOYMENT                                                              | 5%                                          | 4%       | 9%         | 7%         | 4%               | 3%               |
| EMP3133        | MANUFACTURING EMPLOYMENT                                                             | 3%                                          | 2%       | 1%         | 2%         | -1%              | -1%              |
| EMP42          | WHOLESALE TRADE EMPLOYMENT                                                           | 1%                                          | 1%       | 1%         | 2%         | 0%               | 0%               |
| EMP4445        | RETAIL TRADE EMPLOYMENT                                                              | 9%                                          | 8%       | 8%         | 8%         | -1%              | 1%               |
| EMP4849        | TRANSPORTATION and WAREHOUSING EMPLOYMENT                                            | 1%                                          | 2%       | 0%         | 0%         | -1%              | -2%              |
| EMP51          | INFORMATION EMPLOYMENT                                                               | 2%                                          | 2%       | 4%         | 3%         | 2%               | 1%               |
| EMP52          | FINANCE and INSURANCE EMPLOYMENT                                                     | 4%                                          | 4%       | 4%         | 6%         | 0%               | 1%               |
| EMP53          | REAL ESTATE and RENTAL and LEASE EMPLOYMENT                                          | 5%                                          | 5%       | 4%         | 6%         | 0%               | 0%               |
| EMP54          | PROFESSIONAL and TECHNICAL SERVICES EMPLOYMENT                                       | 9%                                          | 10%      | 8%         | 11%        | 0%               | 1%               |
| EMP55          | MANAGEMENT of COMPANIES and ENTERPRISES EMPLOYMENT                                   | 2%                                          | 2%       | 1%         | 1%         | -1%              | 0%               |
| EMP56          | ADMINISTRATIVE and WASTE SERVICES EMPLOYMENT                                         | 5%                                          | 5%       | 3%         | 3%         | -2%              | -2%              |
| EMP61          | EDUCATIONAL SERVICES EMPLOYMENT                                                      | 3%                                          | 3%       | 13%        | 4%         | 10%              | 2%               |
| EMP62          | HEALTH CARE and SOCIAL ASSISTANCE EMPLOYMENT                                         | 9%                                          | 9%       | 16%        | 16%        | 8%               | 6%               |
| EMP71          | ARTS, ENTERTAINMENT, and RECREATION EMPLOYMENT                                       | 3%                                          | 3%       | 1%         | 2%         | -2%              | -2%              |
| EMP72          | ACCOMMODATION and FOOD SERVICES EMPLOYMENT                                           | 8%                                          | 8%       | 13%        | 13%        | 5%               | 5%               |
| EMP81          | OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION EMPLOYMENT                              | 6%                                          | 5%       | 4%         | 4%         | -2%              | -1%              |
| EMP92          | FEDERAL CIVILIAN GOVERNMENT, FEDERAL MILITARY, STATE and LOCAL GOVERNMENT EMPLOYMENT | 25%                                         | 26%      | 5%         | 5%         | -21%             | -20%             |
| EMP99          | Others / Uncategorized                                                               | 0%                                          | 0%       | 3%         | 7%         | 3%               | 7%               |

2015 Model data based on InfoGroup data

# Demographics Comparison

- For Fluvanna County Area

| Model Variable | Description                                                                          | Fluvanna County |          |            |            |                  |                  |
|----------------|--------------------------------------------------------------------------------------|-----------------|----------|------------|------------|------------------|------------------|
|                |                                                                                      | 2015 W&P        | 2022 W&P | 2015 Model | 2022 Model | 2015 Model - W&P | 2022 Model - W&P |
| TOTEMP         | TOTAL EMPLOYMENT                                                                     | 100%            | 100%     | 100%       | 100%       | 0%               | 0%               |
| EMP11          | FARM, FORESTRY, FISHING, RELATED ACTIVITIES and OTHER EMPLOYMENT                     | 5%              | 5%       | 0%         | 0%         | -5%              | -4%              |
| EMP21          | MINING EMPLOYMENT                                                                    | 0%              | 0%       | 0%         | 0%         | 0%               | 0%               |
| EMP22          | UTILITIES EMPLOYMENT                                                                 | 1%              | 1%       | 0%         | 0%         | -1%              | -1%              |
| EMP23          | CONSTRUCTION EMPLOYMENT                                                              | 10%             | 13%      | 24%        | 26%        | 14%              | 13%              |
| EMP3133        | MANUFACTURING EMPLOYMENT                                                             | 2%              | 3%       | 1%         | 1%         | -1%              | -2%              |
| EMP42          | WHOLESALE TRADE EMPLOYMENT                                                           | 2%              | 2%       | 3%         | 2%         | 0%               | 0%               |
| EMP4445        | RETAIL TRADE EMPLOYMENT                                                              | 7%              | 8%       | 13%        | 16%        | 6%               | 8%               |
| EMP4849        | TRANSPORTATION and WAREHOUSING EMPLOYMENT                                            | 2%              | 3%       | 0%         | 0%         | -2%              | -3%              |
| EMP51          | INFORMATION EMPLOYMENT                                                               | 1%              | 1%       | 1%         | 1%         | 0%               | 0%               |
| EMP52          | FINANCE and INSURANCE EMPLOYMENT                                                     | 3%              | 3%       | 1%         | 2%         | -2%              | -2%              |
| EMP53          | REAL ESTATE and RENTAL and LEASE EMPLOYMENT                                          | 4%              | 5%       | 4%         | 6%         | 0%               | 1%               |
| EMP54          | PROFESSIONAL and TECHNICAL SERVICES EMPLOYMENT                                       | 5%              | 6%       | 2%         | 3%         | -3%              | -3%              |
| EMP55          | MANAGEMENT of COMPANIES and ENTERPRISES EMPLOYMENT                                   | 0%              | 0%       | 0%         | 0%         | 0%               | 0%               |
| EMP56          | ADMINISTRATIVE and WASTE SERVICES EMPLOYMENT                                         | 11%             | 8%       | 2%         | 1%         | -10%             | -6%              |
| EMP61          | EDUCATIONAL SERVICES EMPLOYMENT                                                      | 5%              | 4%       | 9%         | 8%         | 4%               | 4%               |
| EMP62          | HEALTH CARE and SOCIAL ASSISTANCE EMPLOYMENT                                         | 7%              | 6%       | 6%         | 7%         | 0%               | 1%               |
| EMP71          | ARTS, ENTERTAINMENT, and RECREATION EMPLOYMENT                                       | 3%              | 2%       | 2%         | 2%         | -1%              | -1%              |
| EMP72          | ACCOMMODATION and FOOD SERVICES EMPLOYMENT                                           | 4%              | 5%       | 8%         | 9%         | 4%               | 5%               |
| EMP81          | OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION EMPLOYMENT                              | 8%              | 8%       | 1%         | 2%         | -6%              | -6%              |
| EMP92          | FEDERAL CIVILIAN GOVERNMENT, FEDERAL MILITARY, STATE and LOCAL GOVERNMENT EMPLOYMENT | 18%             | 18%      | 5%         | 6%         | -13%             | -12%             |
| EMP99          | Others / Uncategorized                                                               | 0%              | 0%       | 16%        | 8%         | 16%              | 8%               |

2015 Model data based on InfoGroup data

# Demographics Comparison

- For Greene County Area

| Model Variable | Description                                                                          | Greene County |          |            |            |                  |                  |
|----------------|--------------------------------------------------------------------------------------|---------------|----------|------------|------------|------------------|------------------|
|                |                                                                                      | 2015 W&P      | 2022 W&P | 2015 Model | 2022 Model | 2015 Model - W&P | 2022 Model - W&P |
| TOTEMP         | TOTAL EMPLOYMENT                                                                     | 100%          | 100%     | 100%       | 100%       | 0%               | 0%               |
| EMP11          | FARM, FORESTRY, FISHING, RELATED ACTIVITIES and OTHER EMPLOYMENT EMPLOYMENT          | 4%            | 4%       | 0%         | 0%         | -4%              | -4%              |
| EMP21          | MINING EMPLOYMENT                                                                    | 0%            | 0%       | 0%         | 0%         | 0%               | 0%               |
| EMP22          | UTILITIES EMPLOYMENT                                                                 | 0%            | 0%       | 0%         | 0%         | 0%               | 0%               |
| EMP23          | CONSTRUCTION EMPLOYMENT                                                              | 9%            | 10%      | 26%        | 20%        | 17%              | 10%              |
| EMP3133        | MANUFACTURING EMPLOYMENT                                                             | 2%            | 1%       | 0%         | 0%         | -2%              | -1%              |
| EMP42          | WHOLESALE TRADE EMPLOYMENT                                                           | 2%            | 2%       | 2%         | 1%         | -1%              | 0%               |
| EMP4445        | RETAIL TRADE EMPLOYMENT                                                              | 15%           | 16%      | 27%        | 32%        | 13%              | 16%              |
| EMP4849        | TRANSPORTATION and WAREHOUSING EMPLOYMENT                                            | 2%            | 3%       | 0%         | 0%         | -2%              | -3%              |
| EMP51          | INFORMATION EMPLOYMENT                                                               | 1%            | 1%       | 1%         | 1%         | 0%               | 1%               |
| EMP52          | FINANCE and INSURANCE EMPLOYMENT                                                     | 2%            | 2%       | 1%         | 1%         | -1%              | -1%              |
| EMP53          | REAL ESTATE and RENTAL and LEASE EMPLOYMENT                                          | 4%            | 5%       | 3%         | 4%         | -2%              | -1%              |
| EMP54          | PROFESSIONAL and TECHNICAL SERVICES EMPLOYMENT                                       | 8%            | 7%       | 3%         | 4%         | -5%              | -4%              |
| EMP55          | MANAGEMENT of COMPANIES and ENTERPRISES EMPLOYMENT                                   | 0%            | 0%       | 0%         | 0%         | 0%               | 0%               |
| EMP56          | ADMINISTRATIVE and WASTE SERVICES EMPLOYMENT                                         | 5%            | 6%       | 1%         | 1%         | -4%              | -4%              |
| EMP61          | EDUCATIONAL SERVICES EMPLOYMENT                                                      | 2%            | 2%       | 12%        | 5%         | 10%              | 2%               |
| EMP62          | HEALTH CARE and SOCIAL ASSISTANCE EMPLOYMENT                                         | 10%           | 10%      | 6%         | 7%         | -4%              | -3%              |
| EMP71          | ARTS, ENTERTAINMENT, and RECREATION EMPLOYMENT                                       | 2%            | 3%       | 0%         | 0%         | -2%              | -3%              |
| EMP72          | ACCOMMODATION and FOOD SERVICES EMPLOYMENT                                           | 7%            | 7%       | 10%        | 13%        | 4%               | 6%               |
| EMP81          | OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION EMPLOYMENT                              | 8%            | 8%       | 0%         | 1%         | -8%              | -8%              |
| EMP92          | FEDERAL CIVILIAN GOVERNMENT, FEDERAL MILITARY, STATE and LOCAL GOVERNMENT EMPLOYMENT | 16%           | 13%      | 4%         | 4%         | -11%             | -9%              |
| EMP99          | Others / Uncategorized                                                               | 0%            | 0%       | 2%         | 6%         | 2%               | 6%               |

2015 Model data based on InfoGroup data

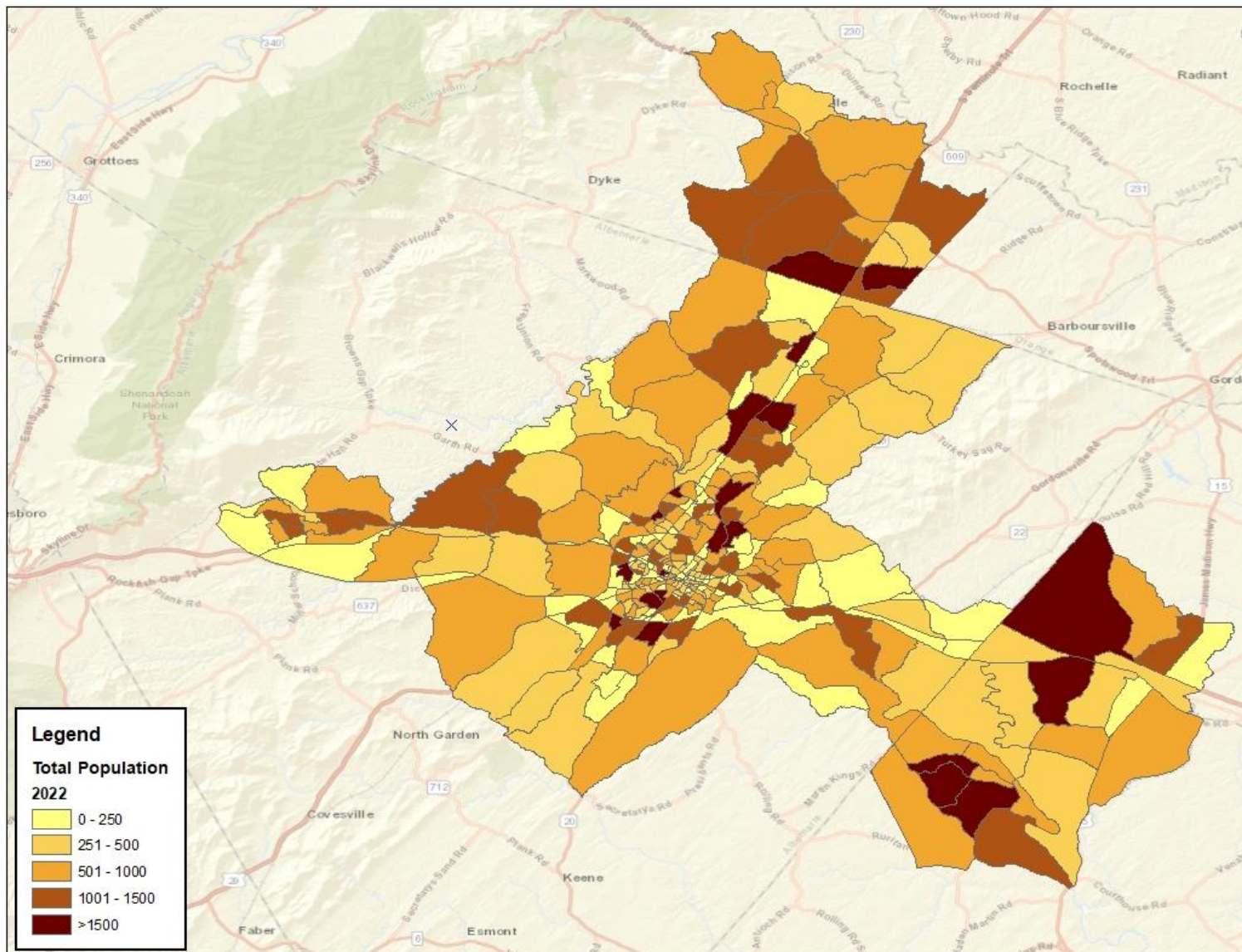
# Demographics Comparison

- For Louisa County Area

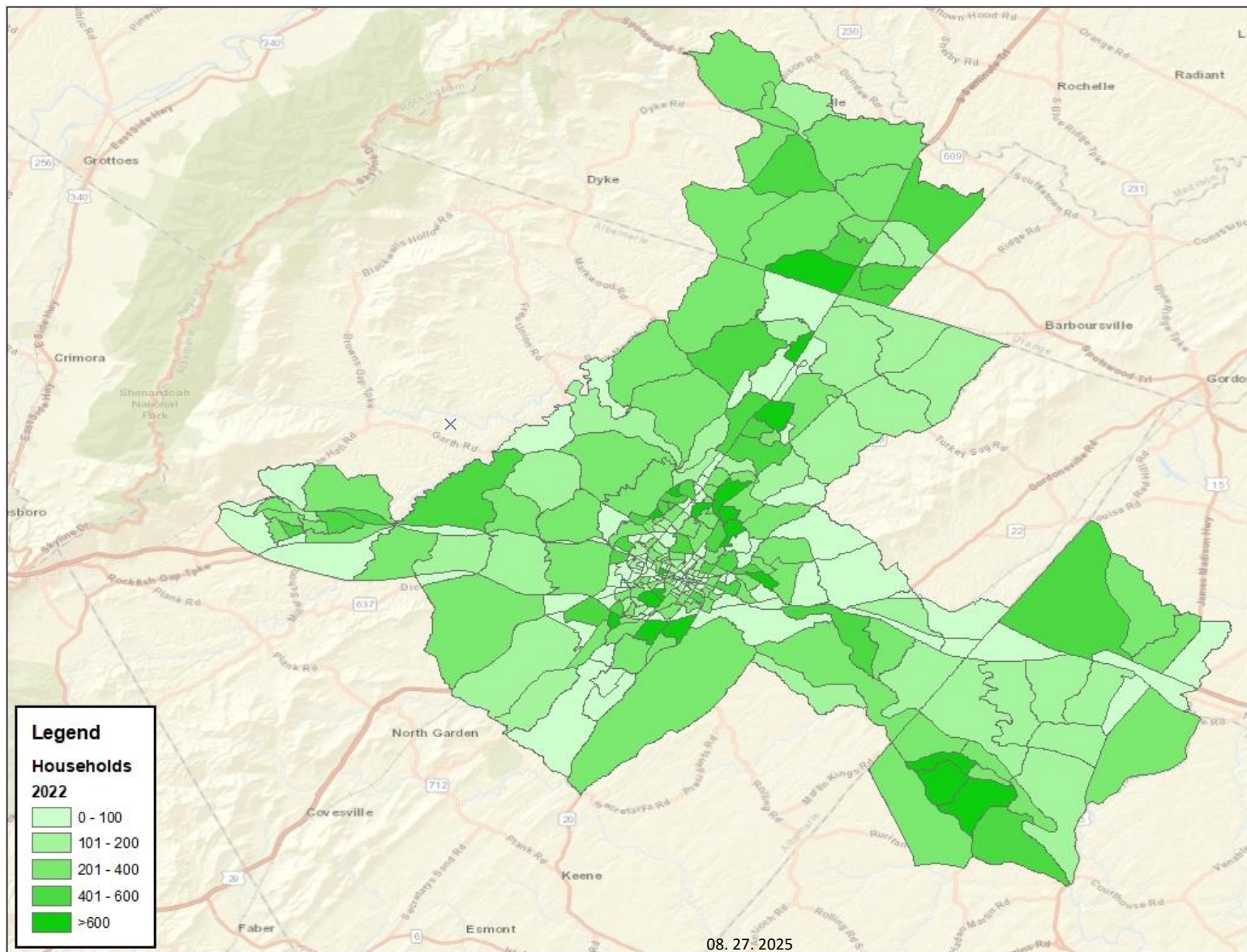
| Model Variable | Description                                                                          | Louisa County |          |            |            |                  |                  |
|----------------|--------------------------------------------------------------------------------------|---------------|----------|------------|------------|------------------|------------------|
|                |                                                                                      | 2015 W&P      | 2022 W&P | 2015 Model | 2022 Model | 2015 Model - W&P | 2022 Model - W&P |
| TOTEMP         | TOTAL EMPLOYMENT                                                                     | 100%          | 100%     | 100%       | 100%       | 0%               | 0%               |
| EMP11          | FARM, FORESTRY, FISHING, RELATED ACTIVITIES and OTHER EMPLOYMENT EMPLOYMENT          | 5%            | 4%       | 0%         | 0%         | -5%              | -4%              |
| EMP21          | MINING EMPLOYMENT                                                                    | 1%            | 1%       | 0%         | 0%         | -1%              | -1%              |
| EMP22          | UTILITIES EMPLOYMENT                                                                 | 8%            | 7%       | 0%         | 0%         | -8%              | -7%              |
| EMP23          | CONSTRUCTION EMPLOYMENT                                                              | 13%           | 10%      | 6%         | 5%         | -7%              | -5%              |
| EMP3133        | MANUFACTURING EMPLOYMENT                                                             | 10%           | 8%       | 0%         | 0%         | -9%              | -8%              |
| EMP42          | WHOLESALE TRADE EMPLOYMENT                                                           | 2%            | 2%       | 32%        | 17%        | 30%              | 15%              |
| EMP4445        | RETAIL TRADE EMPLOYMENT                                                              | 11%           | 11%      | 42%        | 49%        | 31%              | 38%              |
| EMP4849        | TRANSPORTATION and WAREHOUSING EMPLOYMENT                                            | 4%            | 7%       | 0%         | 0%         | -4%              | -7%              |
| EMP51          | INFORMATION EMPLOYMENT                                                               | 0%            | 0%       | 0%         | 0%         | 0%               | 0%               |
| EMP52          | FINANCE and INSURANCE EMPLOYMENT                                                     | 2%            | 3%       | 1%         | 1%         | -2%              | -2%              |
| EMP53          | REAL ESTATE and RENTAL and LEASE EMPLOYMENT                                          | 4%            | 5%       | 2%         | 3%         | -2%              | -2%              |
| EMP54          | PROFESSIONAL and TECHNICAL SERVICES EMPLOYMENT                                       | 6%            | 5%       | 3%         | 3%         | -3%              | -2%              |
| EMP55          | MANAGEMENT of COMPANIES and ENTERPRISES EMPLOYMENT                                   | 1%            | 0%       | 0%         | 0%         | -1%              | 0%               |
| EMP56          | ADMINISTRATIVE and WASTE SERVICES EMPLOYMENT                                         | 5%            | 6%       | 0%         | 0%         | -5%              | -6%              |
| EMP61          | EDUCATIONAL SERVICES EMPLOYMENT                                                      | 0%            | 1%       | 0%         | 4%         | 0%               | 4%               |
| EMP62          | HEALTH CARE and SOCIAL ASSISTANCE EMPLOYMENT                                         | 5%            | 5%       | 0%         | 0%         | -5%              | -5%              |
| EMP71          | ARTS, ENTERTAINMENT, and RECREATION EMPLOYMENT                                       | 1%            | 2%       | 0%         | 1%         | -1%              | -1%              |
| EMP72          | ACCOMMODATION and FOOD SERVICES EMPLOYMENT                                           | 4%            | 5%       | 10%        | 12%        | 5%               | 7%               |
| EMP81          | OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION EMPLOYMENT                              | 6%            | 6%       | 1%         | 1%         | -5%              | -5%              |
| EMP92          | FEDERAL CIVILIAN GOVERNMENT, FEDERAL MILITARY, STATE and LOCAL GOVERNMENT EMPLOYMENT | 12%           | 12%      | 1%         | 1%         | -11%             | -10%             |
| EMP99          | Others / Uncategorized                                                               | 0%            | 0%       | 1%         | 2%         | 1%               | 2%               |

2015 Model data based on InfoGroup data

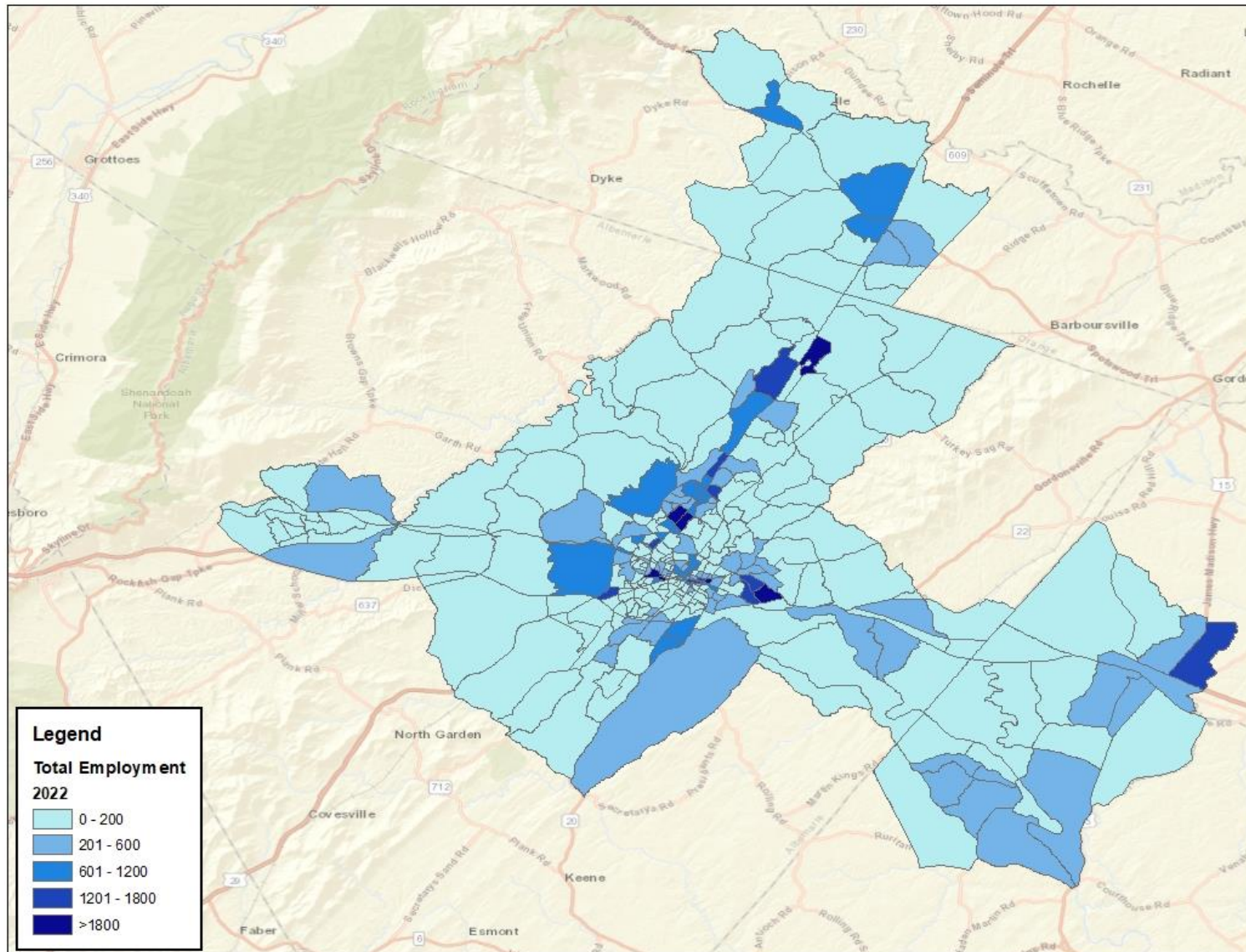
# Total Population - 2022



# Total Households - 2022



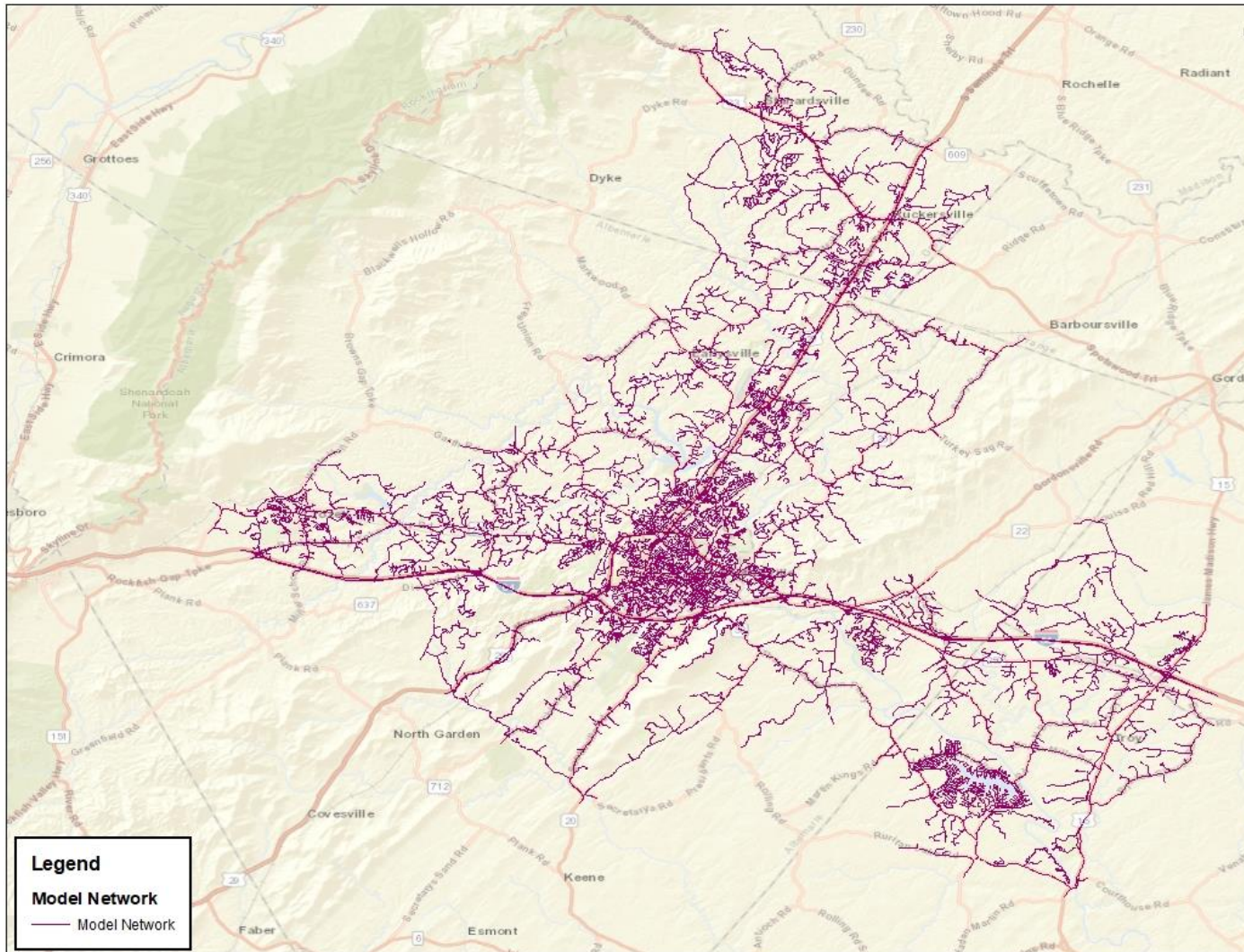
# Total Employment - 2022



08.27.2025

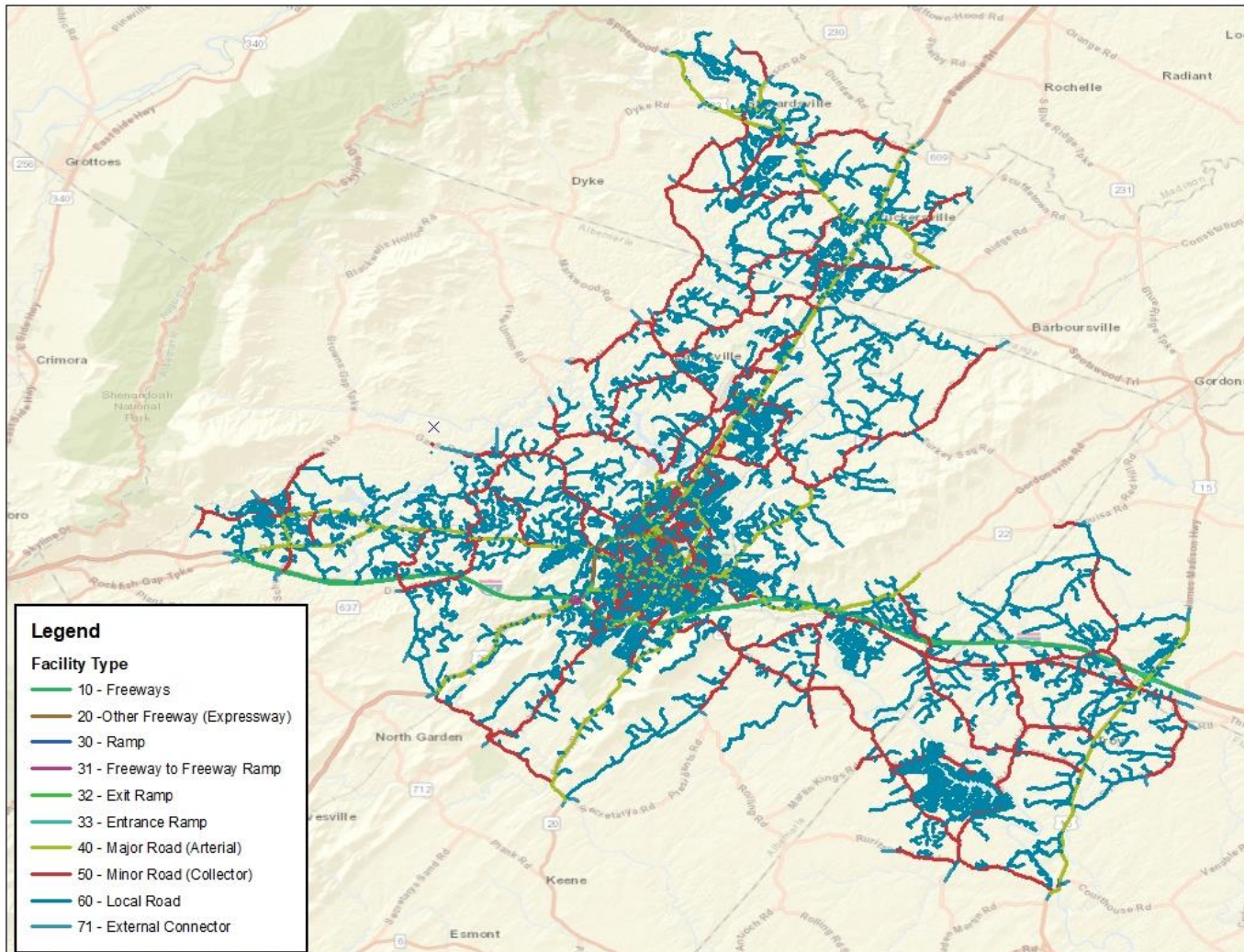
# Model Network

- New network reflects updated roadways for the Y2022



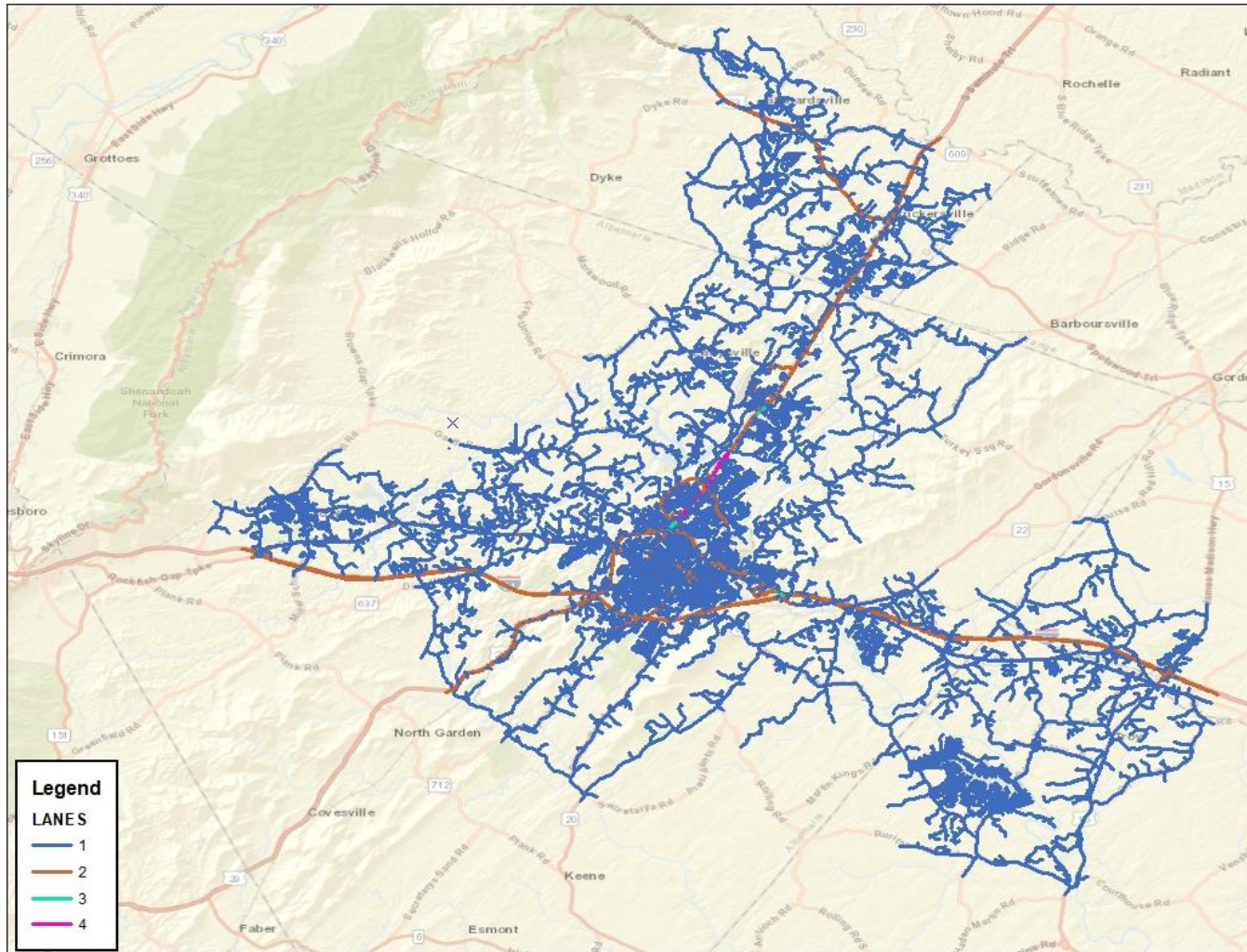
# Model Network

- Model network by facility types



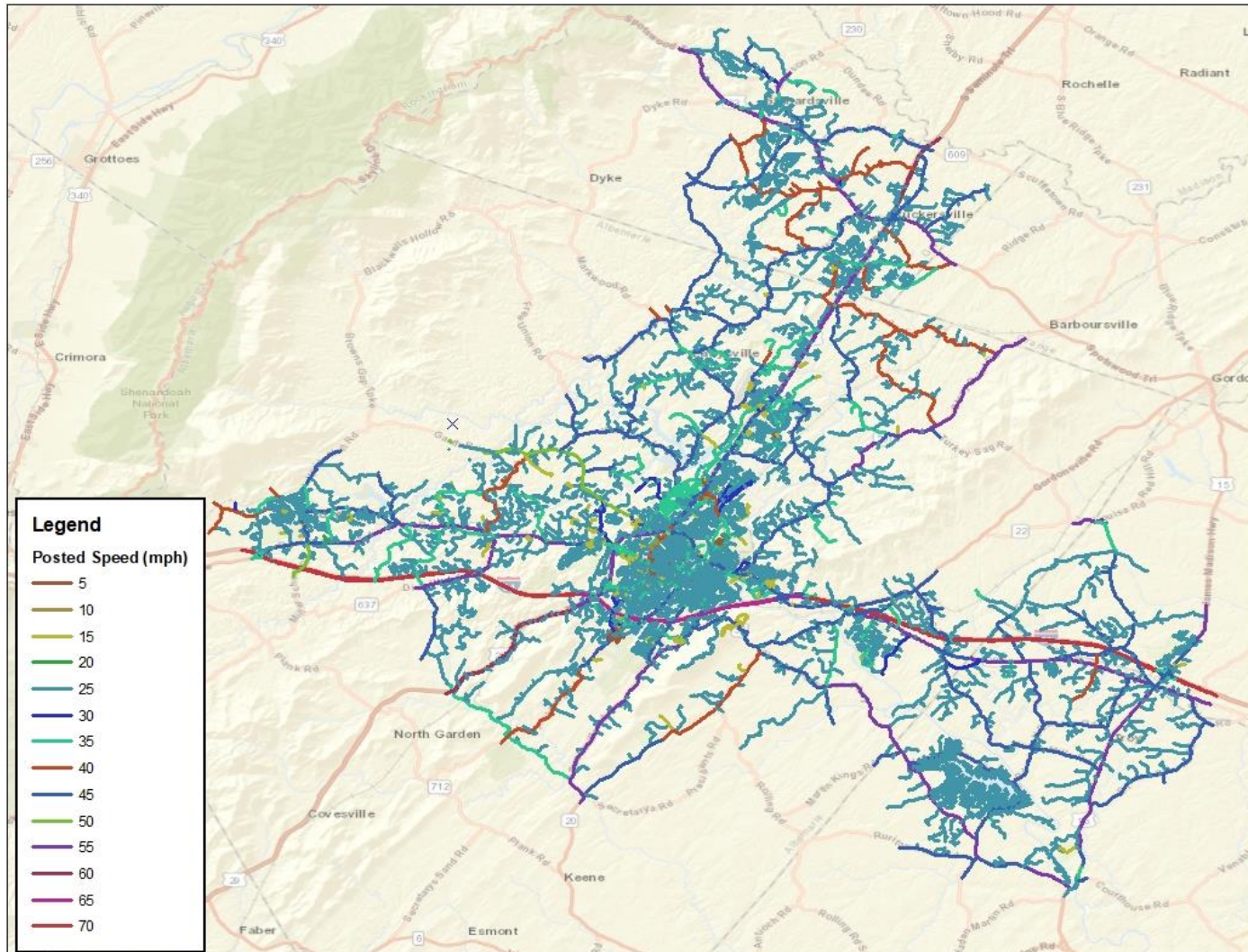
# Model Network

- Model network by number of lanes



# Model Network

- Model network by posted speed (mph)



## Potential uses of the model

- **Congestion (measure by vehicle-hours of delay)**
- **Congestion maps showing road level-of-service**
- **Transit ridership**
- **Mode Share**
- **VMT per capita**
- **Average driving commute time**

# Questions?

**MEMORANDUM**

**To:** Charlottesville-Albemarle Metropolitan Planning Organization's (CA-MPO) Committees  
**From:** Sarah Simba, TJPDC/CA-MPO Regional Planner II  
**Date:** August 5, 2025  
**Subject:** CA-MPO Travel Demand Model Base Year Demographics Approval

**Purpose:**

To seek approval from the MPO Policy Board on traffic analysis zone (TAZ) boundaries and 2022 demographic inputs for the updated CA-MPO travel demand model.

**Background:**

The Virginia Department of Transportation (VDOT) Transportation and Mobility Planning Division works with MPOs on the development and maintenance of the regional travel demand model, an analytical tool used to support the transportation planning process. With VDOT and AECOM support, CA-MPO staff are currently updating the model for a new base year (2022) and forecast year (2050).

At this stage of the process, traffic analysis zone (TAZ) boundaries and base year (2022) input values have been determined. Three data sources were utilized for the development of base data:

- Weldon Cooper Population Estimates
- Woods & Poole Employment Estimates
- American Community Survey (ACS) Estimates

Following CA-MPO Policy Board approval of base year (2022) demographic inputs, the project team will develop future year (2050) forecasts of demographics for CA-MPO Policy Board approval. The estimated project completion date is April 2026.

**Recommendations:**

**CA-MPO Technical Committee:**

Staff recommend that the CA-MPO Technical Committee make a motion to recommend that the CA-MPO Policy Board approve the 2022 demographic data as presented by VDOT and AECOM for the regional travel demand model.

**CA-MPO Policy Board:**

Staff recommend that the CA-MPO Policy Board make a motion to approve the 2022 demographic data as presented by VDOT and AECOM for the regional travel demand model.

**CA-MPO Citizens Transportation Advisory Committee:**

No action is required of the CA-MPO Citizens Transportation Advisory Committee (CTAC).

If there are any questions or comments, please contact Taylor Jenkins at [tjenkins@tjpd.org](mailto:tjenkins@tjpd.org) and Sarah Simba at [ssimba@tjpd.org](mailto:ssimba@tjpd.org).

# **Charlottesville-Albemarle MPO Transportation Demand Management Study Final Scope of Work**

**CA-MPO Policy Board  
August 27, 2025**



# Purpose

- ❑ Activity included in the FY26 UPWP
- ❑ Through the development of the 2050 LRTP, CA-MPO staff identified the need to complete a comprehensive Transportation Demand Management (TDM) study
  - ❑ Identify strategies to reduce vehicle miles traveled
  - ❑ Increase trips made by walking, biking, and using transit
  - ❑ Enhance connections between transit, bike/ped networks, and park-and-ride facilities

# Task 1: Existing Conditions

- ❑ Establish baseline Vehicle Miles Traveled (VMT) that will be used as the foundation for creating VMT reduction goals
- ❑ Review relevant planning documents from each jurisdiction, including but not limited to:
  - ❑ Comprehensive Plans
  - ❑ Bicycle and Pedestrian Plans
  - ❑ Transit Plans
  - ❑ Parking Studies

# Task 2: Origin-Destination Analysis

- ❑ Identify trip generators and destinations
- ❑ Conduct origin-destination analysis
  - ❑ Understand travel within and coming in/out of the MPO area
  - ❑ Identify trips by mode
  - ❑ Identify average trip lengths

# Task 2: Origin-Destination Analysis

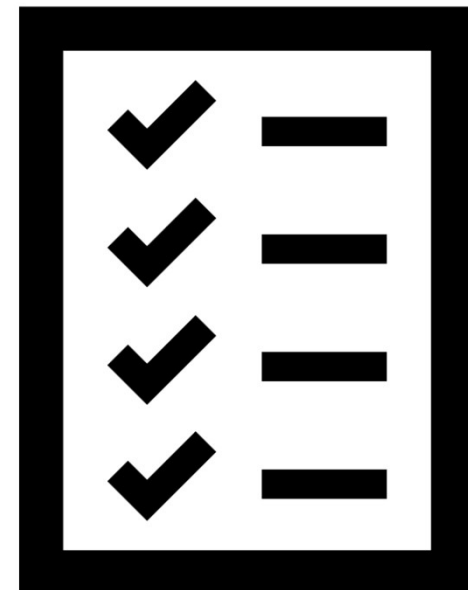
- ❑ Primary data sources
  - ❑ StreetLight
  - ❑ Strava Metro
  - ❑ VDOT
- ❑ Validation and additional insights gained through targeted outreach
  - ❑ Local cycling and running clubs
  - ❑ Member jurisdiction staff
  - ❑ Other local sources: UVA Parking and Transportation, MicroCAT, VEO dockless mobility program

# Task 3: Mode Shift Potential & Strategies

- ❑ Assess potential for shifting trips from auto to non-auto modes
  - ❑ Consider trip characteristics such as trip length, trip distance, existing/planned infrastructure,
- ❑ Identify recommended improvements and strategies to encourage mode shift, feasibility of implementation
  - ❑ Recommendations may be policy-related, such as employer parking programs, land use considerations, and parking policies

# Task 4: Outreach and Engagement

- ❑ Two primary opportunities for public engagement during the study
  - ❑ Validation of existing conditions observations and gathering additional insights
  - ❑ A survey obtaining input on proposed strategies and prioritization
- ❑ Targeted outreach to include bicycling and running clubs, Charlottesville City Schools, Albemarle County Public Schools, and housing-focused groups



# Project Schedule

|                                                        | SEPT<br>2025 | OCT<br>2025 | NOV<br>2025 | DEC<br>2025 | JAN<br>2026 | FEB<br>2026 | MAR<br>2026 | APR<br>2026 | MAY<br>2026 | JUN<br>2026 |
|--------------------------------------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Task 1:</b><br>Existing<br>Conditions               |              |             |             |             |             |             |             |             |             |             |
| <b>Task 2:</b> O-D<br>Analysis                         |              |             |             |             |             |             |             |             |             |             |
| <b>Task 3:</b> Mode<br>Shift Potential<br>+ Strategies |              |             |             |             |             |             |             |             |             |             |
| <b>Task 4:</b><br>Outreach +<br>Engagement             |              |             |             |             |             |             |             |             |             |             |
| <b>Task 5:</b> Final<br>Report                         |              |             |             |             |             |             |             |             |             |             |

# Next Steps and Questions

---

- ❑ CA-MPO Technical Committee recommended approval at August 5, 2025, meeting
- ❑ Questions?

## Transportation Demand Management Study Scope of Work

### Purpose

Through the development of the 2050 Long Range Transportation Plan, the Charlottesville-Albemarle MPO (CA-MPO) identified the need to complete a comprehensive travel demand management (TDM) study to identify long-term initiatives to reduce vehicle miles traveled (VMT) within the MPO area, support sustainable transportation options, and improve mobility. The study seeks to achieve the following goals:

- Understand existing travel patterns and opportunities to reduce VMT and increase trips made by walking, biking, and using transit
- Enhance connections between transit, active transportation networks, and park-and-ride facilities

### Task 1: Existing Conditions

CA-MPO staff will conduct a review of relevant planning documents from each jurisdiction, including but not limited to:

- Comprehensive Plans
- Bicycle and Pedestrian Plans
- Transit Development Plans
- Parking Studies

Reviewing previously completed plans will help identify planned improvements, land use planning context, and opportunities for alignment with study recommendations. Staff will also establish a vehicle miles traveled (VMT) baseline in this task that will be used as the foundation for creating VMT reduction goals.

#### *Task 1 Deliverables:*

- Previous Plan Review memo summarizing existing studies and applicable findings
- Baseline VMT for the CA-MPO region

*Estimated Completion Date: October 2025*

### Task 2: Origin-Destination Analysis

CA-MPO staff will begin this task by identifying major trip generators and destinations, including but not limited to:

- Large employers and employment centers
- Medical facilities
- Educational facilities
- Recreational destinations
- Commercial retail destinations

Using data sources such as StreetLight, INRIX, and Strava Metro, CA-MPO staff will conduct an origin-destination analysis to understand travel coming in and out of the MPO area and traveling within the MPO area. Trips will be identified by existing mode (i.e., auto, transit, bike) and trip length. CA-MPO staff will



work to validate findings through outreach, including connecting with local cycling and running clubs, the University of Virginia (UVA) Parking and Transportation, and member jurisdiction staff.

Other potential sources of information to inform the origin-destination analysis include insights from UVA's Wahoo Commutes program, the VEO dockless mobility program, and MicroCAT services.

*Task 2 Deliverable:*

- Origin-Destination Analysis Technical Memo

*Estimated Completion Date: December 2025 / January 2026*

### **Task 3: Mode Shift Potential and Strategies**

Using results from the origin-destination analysis, CA-MPO staff will assess the potential for shifting trips from auto to non-auto trips. This task will consider characteristics such as trip length, existing infrastructure (i.e., bike lanes, sidewalk, transit services), and network connectivity to identify the feasibility of mode shift and gaps in infrastructure where opportunities where future investments would be most impactful. Mode shift strategies will also include those that may be policy-related, such as employer commuting programs, land use considerations, and parking policies.

As part of this task, CA-MPO staff will also inventory public parking facilities within the MPO area to identify existing parking capacity, utilization rates (where available), and connectivity to transit. Parking facilities will include public surface parking, parking decks, and park-and-ride lots.

*Task 3 Deliverables:*

- Identification of mode shift potential
- Draft recommended improvements and strategies to encourage mode shift

*Estimated Completion Date: April 2026*

### **Task 4: Outreach and Engagement**

Two primary opportunities for engagement will occur during the study:

- Validation of existing conditions observations and gathering additional insights
- A survey obtaining input on the prioritization of recommendations

Opportunities for more targeted outreach throughout the study include bicycling and running clubs, Charlottesville City Schools, Albemarle County Public Schools, and housing-focused groups (Charlottesville Redevelopment and Housing Authority, Public Housing Association of Residents, Piedmont Housing Alliance, etc.).

To ensure proposed strategies align with community priorities, a short survey will be conducted to obtain public input on recommended improvements and strategies and identify opportunities that are highest priority. Input will be used to refine recommendations.

*Task 4 Deliverables:*

- Summary of public input
- Refined recommendations and strategies

*Estimated Completion Date: May 2026*

### **Task 5: Final Report**

CA-MPO staff will prepare the final report. Findings and recommendations from this study will help inform future investments for infrastructure and services that can encourage shifts in travel behavior and address gaps in the regional transportation network.

*Task 5 Deliverable:*

- Final Report

*Estimated Completion Date: June 2026*

## Memorandum

**To:** Charlottesville-Albemarle Metropolitan Planning Organization's (CA-MPO) Committees  
**From:** Taylor Jenkins, Transportation Director, TJPDC/CA-MPO  
**Date:** August 5, 2025  
**Reference:** Transportation Demand Management Study – Final Scope of Work

### Purpose:

CA-MPO staff are seeking approval of the final scope of work for the FY26 Transportation Demand Management (TDM) Study.

### Background:

Through the development of the 2050 long range transportation plan (LRTP), the CA-MPO identified the need for a comprehensive travel demand management (TDM) study to identify long-term initiatives that would reduce vehicle miles traveled (VMT) within the MPO region, support sustainable transportation options, and improve mobility. This study will provide an understanding of travel patterns and support the identification of longer-term multimodal improvements and strategies needed to support mode-shift for those traveling throughout the MPO region.

### Updates to the Scope of Work:

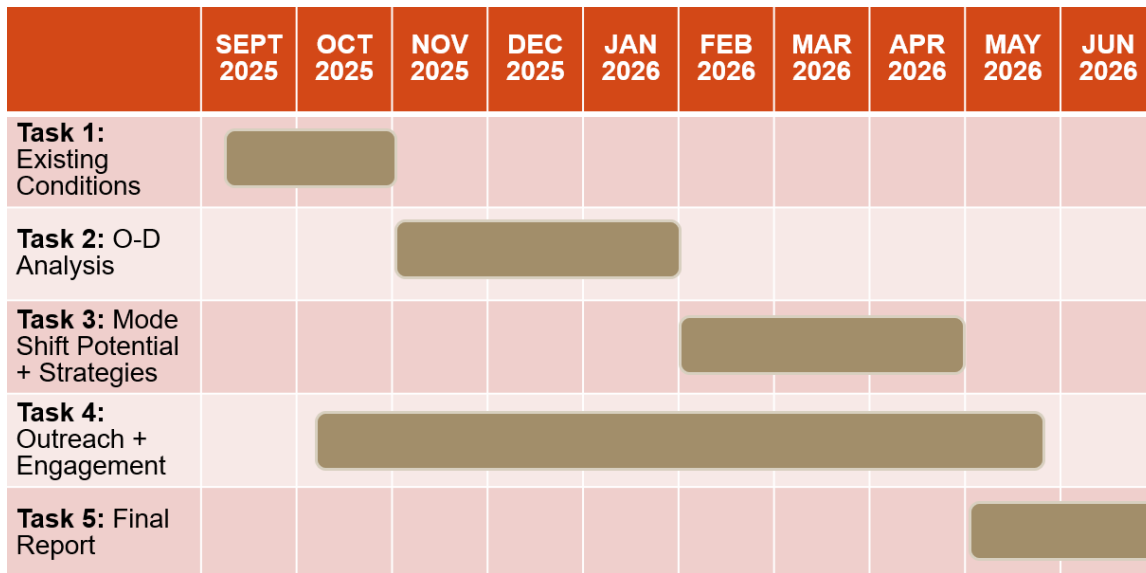
CA-MPO staff received valuable feedback from the Technical Committee, Policy Board, and Citizens Transportation Advisory Committee (CTAC) on the draft scope of work. The most significant updates include:

- Broadening **Task 1** to become *Existing Conditions*, which will include establishing a baseline for current VMT.
- Updating **Task 2** to capture additional suggested data sources, including Strava Metro and reaching out to partners for relevant data that could inform the study (UVA Parking and Transportation, MicroCAT, VEO dockless mobility data, etc.)
- Clarifying in **Task 3** that potential strategies could be policy-related, such as employer commuting programs, land use considerations, and parking policies
- Adding additional opportunities to collect public feedback in **Task 4** from targeted groups, such as bicycling and running clubs, school systems, and housing-focused groups

### Study Schedule:

Following CA-MPO Policy Board approval, staff will begin the study with an estimated conclusion in June 2026. Estimated completion dates for each task are captured in the full scope of work, and a proposed overall schedule is illustrated in **Figure 1**.

**Figure 1. TDM Study Schedule**



**Recommendations:**

CA-MPO Technical Committee: Staff recommend a motion to recommend the CA-MPO Policy Board approve the final scope for the Travel Demand Management Study.

CA-MPO Policy Board: Staff recommend a motion to approve the final scope for the Travel Demand Management Study.

CA-MPO Citizens Transportation Advisory Committee: Staff recommend a motion to recommend the CA-MPO Policy Board approve the final scope for the Travel Demand Management Study.

If there are any questions or comments, please contact Taylor Jenkins at [tjenkins@tjpc.org](mailto:tjenkins@tjpc.org).

Memorandum

**To:** CA-MPO-Technical Committee and Policy Board  
**From:** Gorjan Gjorgjievski, Planner II  
**Date:** August 5, 2025  
**Reference:** Amendment # 13 to the Transportation Improvement Program (TIP) FY24-27

**Purpose:** Notify the CA-MPO Technical Committee and the Policy Board of an amendment to the FY24–27 Transportation Improvement Program.

**Amendment # 13 Add New TIP block**

Beginning in FY2025, The Autism Sanctuary, Inc. received FTA Section 5310 funding to purchase paratransit vehicles. Specifically, the FY2025 allocation includes \$159,000 in FTA 5310 funds, \$20,000 in state funds, and \$20,000 in local matching funds.

|              | Previous Funding                                                                               | FY2024                      | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |  |
|--------------|------------------------------------------------------------------------------------------------|-----------------------------|--------|--------|--------|---------------------|--|
| TIP ID:      | ASI001                                                                                         | Title: Paratransit Vehicles |        |        |        |                     |  |
| FTA 5310     | -                                                                                              |                             | 159    |        |        |                     |  |
| State        | -                                                                                              |                             | 20     |        |        |                     |  |
| Local        | -                                                                                              |                             | 20     |        |        |                     |  |
| Year Total   | -                                                                                              |                             | 199    |        |        |                     |  |
| Description: | Amendment #13 ASI001. New TIP Block: FY2025 add \$159k FTA 5310, \$20k State, and \$20k local. |                             |        |        |        |                     |  |

**Recommendation:**

CA-MPO Technical Committee: CA-MPO staff recommends that the CA-MPO Technical Committee advise the CA-MPO Policy Board to approve TIP Amendment #13 as presented, including the associated funding changes for FY 2025.

CA-MPO Policy Board: CA-MPO staff recommends that the CA-MPO Policy Board approve TIP Amendment #13 as presented, including the associated funding changes for FY 2025.

If there are any questions, please contact Gorjan Gjorgjievski at [gorjang@tjpd.org](mailto:gorjang@tjpd.org) (434) 979-7310 Ext.123.

**RESOLUTION  
APPROVING AMENDMENT #13 TO THE CA-MPO  
FY24–27 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

**WHEREAS**, the Transportation Improvement Program (TIP) is a fiscally constrained, multi-year program of transportation projects receiving federal funding, developed in cooperation with the Commonwealth of Virginia, local governments, and public transportation providers; and

**WHEREAS**, the Charlottesville-Albemarle Metropolitan Planning Organization (CA-MPO) is responsible for preparing and maintaining the region’s TIP; and

**WHEREAS**, the FY24-FY27 TIP was approved by the CA-MPO Policy Board on May 24, 2023; and

**WHEREAS**, the CA-MPO is amending the FY24-FY27 TIP to add a new TIP Block (Amendment #13) for the purchase of paratransit vehicles by the Autism Sanctuary, Inc. in Federal Fiscal Year 2025 (FFY25), reflecting the addition of \$1589k in Federal Transit Administration (FTA) 5310 funds, \$20k in state funds, and a \$20k local match; and

**WHEREAS**, the amendment does not alter the financial constraint of the TIP; and

**WHEREAS**, the amendment has been reviewed and recommended for approval by the CA-MPO Technical Committee.

**NOW, THEREFORE, BE IT RESOLVED**, that the Policy Board of the Charlottesville-Albemarle Metropolitan Planning Organization hereby adopts Amendment #13 to the FY24–27 Transportation Improvement Program as presented.

Adopted on this 27<sup>th</sup> day of August, 2025, by the Charlottesville-Albemarle Metropolitan Planning Organization.

ATTESTED:

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Ned Gallaway, Chair  
Charlottesville-Albemarle MPO

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Christine Jacobs, Executive Director  
Thomas Jefferson Planning District Commission

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Date

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Date



# Transportation Improvement Program (TIP)

Fiscal Year 2024 to 2027

Approved by the MPO Policy Board  
May 24, 2023  
Last Amended August 8, 2024



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## TIP Activity

Approved by the MPO Policy Board on 05/24/2023

### Amendments

| Amendment # | Date         | Notes                                                                                                                                                                                                                        |
|-------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | August 2023  | Rail. UPC: 124309/120532 Virginia State-Supported Amtrak Operations. Operational expenses for two trains.                                                                                                                    |
| 2           | January 2024 | Transit. CAT0003 Replacement – Rolling Stock. Updated 2024 funding amounts based on actual allocations, reduced FY2026 funding amount based on planned replacement schedule, and added projected funding amounts for FY2027. |
| 3           | January 2024 | Transit. CAT0021 Capital Facilities Renovations. New project added to TIP for capital improvements at the operations annex and for the administrative offices.                                                               |
| 4           | January 2024 | TJPCD. TJPCD1 Mobility Management. New project added to TIP for the development and launch of a regional ride referral service for seniors and individuals with disabilities.                                                |
| 5           | January 2024 | Transit. JNT0001 Operating Assistance. Removing all Jaunt projects from the TIP since they are not direct recipients of federal funding in the urbanized area.                                                               |
| 6           | January 2024 | Transit. JNT0002 Replacement Rolling Stock. Removing all Jaunt projects from the TIP since they are not direct recipients of federal funding in the urbanized area.                                                          |
| 7           | January 2024 | Transit. JNT0006 ADP Hardware. Removing all Jaunt projects from the TIP since they are not direct recipients of federal funding in the urbanized area.                                                                       |
| 8           | January 2024 | Transit. JNT0009 ADP Software. Removing all Jaunt projects from the TIP since they are not direct recipients of federal funding in the urbanized area.                                                                       |
| 9           | January 2024 | Transit. JNT0012 Rehab Renovation Facility. Removing all Jaunt projects from the TIP since they are not direct recipients of federal funding in the urbanized area.                                                          |
| 10          | January 2024 | Transit. JNT0013 Spare Parts/ACM Items. Removing all Jaunt projects from the TIP since they are not direct recipients of federal funding in the urbanized area.                                                              |
| 11          | January 2024 | Transit. JNT0015 Support Vehicles. Removing all Jaunt projects from the TIP since they are not direct recipients of federal funding in the urbanized area.                                                                   |
| 12          | June 2025    | Added New Tip Block: FY 2025 add \$3,000 FTA 5310, \$3,000 State, \$1,000 local match.                                                                                                                                       |
| 13          | August 2025  | Added New Tip Block FY 2025 add \$95k FTA 5310, \$19k State, \$5k local match.                                                                                                                                               |

This page TBD

## Adjustments

| Adjustment # | Date          | Notes                                                                                                                                                                                                                                                    |
|--------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1            | January 2024  | Transit. CAT0001 Operating Assistance. Block was modified to include the 5307 funding that CAT passes through to Jaunt as the sub-recipient operating CAT's paratransit services within the urbanized area.                                              |
| 2            | January 2024  | Transit. CAT0002 Expansion – Rolling Stock. This block was modified to update the FY2024 amounts based on actual funding allocations and increase the amounts anticipated in FY26 based on agency funding requests.                                      |
| 3            | January 2024  | Transit. CAT0009 Purchase Support Vehicles. This block was modified to update the FY2024 amounts based on actual funding allocations.                                                                                                                    |
| 4            | April 2024    | Rail. UPC: 124309/120532. Removing the TIP box that was added as Amendment 1 and replacing with two separate TIP boxes that show the statewide funding allocations for each UPC project, indicated as Amendments 13 & 14.                                |
| 5            | April 2024    | Rail. UPC: 120532 Intercity Rail Service Expansion. The rail capacity improvements include network fluidity improvements between Manassas and Roanoke.                                                                                                   |
| 6            | April 2024    | Rail. UPC: 124309 Transforming Rail in Virginia. Will support intercity rail service improvements and expansion between Roanoke and Washington, DC, Richmond, Newport News, and Norfolk, and extend Amtrak service from Roanoke to the New River Valley. |
| 7            | August 2024   | Transit CAT0001 The previous funding for FTA 5307 funding were budgetary and this adjustment changed them to actuals.                                                                                                                                    |
| 8            | August 2024   | Transit CAT0009. Added FY2025 actuals.                                                                                                                                                                                                                   |
| 9            | August 2024   | TJPDC01. Add FY2025 funding in the amount of: Total project cost \$215,230- State funds \$34,436.80, Federal 5310 funds \$172,184, and local match \$8,609.20.                                                                                           |
| 10           | November 2024 | UPC: 110381. Urban Projects, The project is behind schedule which reduced the amount of money that we were borrowing. Therefore, the interest payments were reduced, allowing the release of the federal obligations for FY24 and FY25.                  |
| 11           | March 2025    | Added VDOT Safety Performance Targets for 2024 and 2025.                                                                                                                                                                                                 |
| 12           | April 2025    | Updated the LRTP 2045 information to the LRTP 2050 information, additionally added the Goals and Objectives of the LRTP 2050.                                                                                                                            |
| 13           | June 2025     | Update to reflect new FTA 5310 funding approved by DRPT, add FY2025 funding in the amount of: Total project cost \$119,000- State funds \$19,000, Federal Funds 5310 \$95,000, and local match \$5,000.                                                  |
| 14           | June 2025     | Update to reflect FFY25-08 STIP ADJ - move \$335,611 (STP/STBG) from FFY24 to FFY25                                                                                                                                                                      |

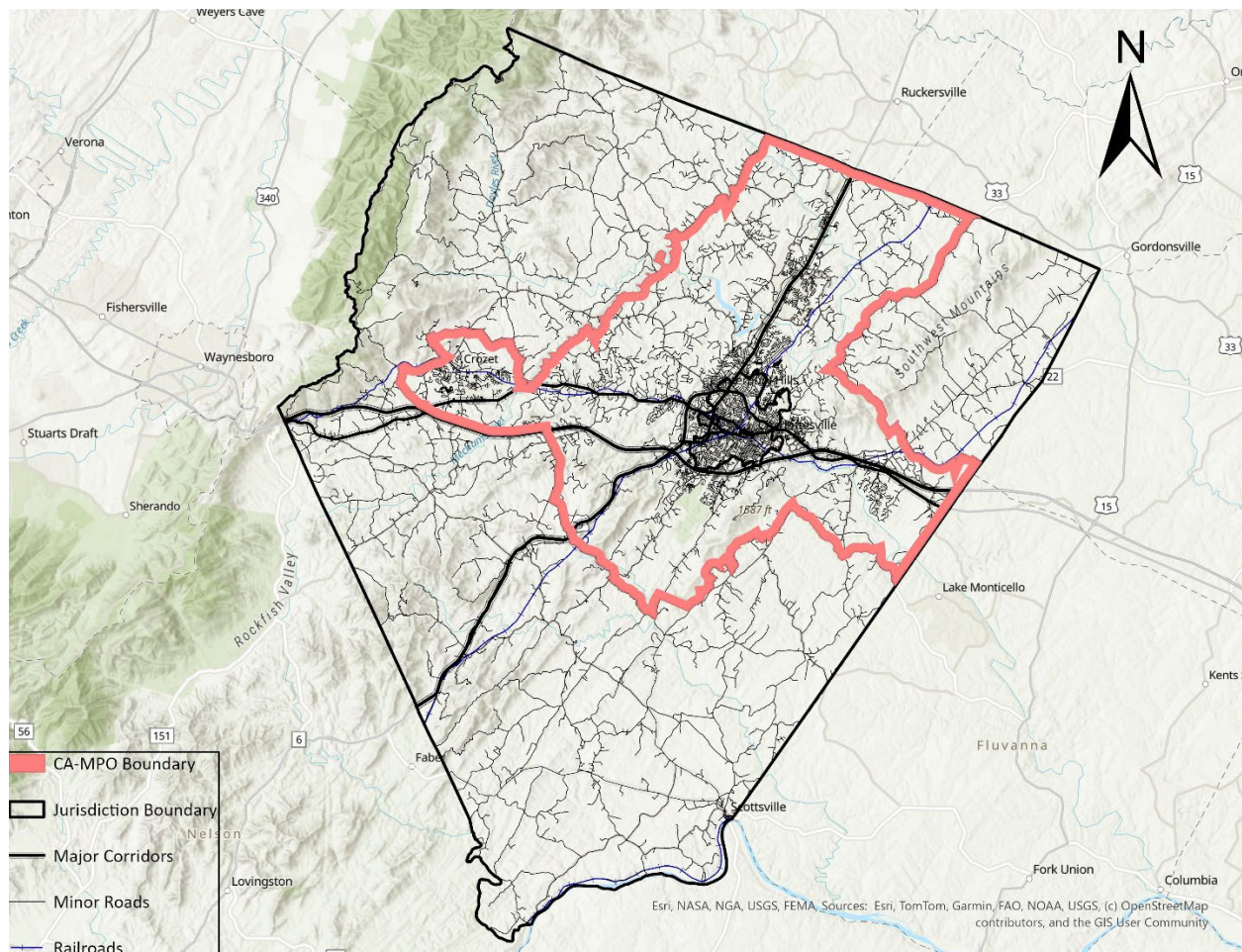
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## Purpose of this Document

The Charlottesville-Albemarle Transportation Improvement Program (TIP) is a document used to schedule spending of federal transportation funds within the metropolitan region in coordination with significant state and local funds for the federal fiscal years 2024 through 2027. It also demonstrates how these projects comply with federal planning regulations. The TIP is a product of the Charlottesville-Albemarle Metropolitan Planning Organization (MPO) in compliance with federal requirements.

## Introduction to the Charlottesville/Albemarle Metropolitan Planning Organization (MPO)

The Charlottesville-Albemarle Metropolitan Planning Organization is the forum for continued, cooperative and comprehensive transportation decision-making among Charlottesville, Albemarle, state, and federal officials. Federal law (23 CFR Part 450) requires urbanized areas in the United States with populations greater than 50,000 persons to establish an MPO to coordinate transportation planning. The boundary of the Charlottesville-Albemarle MPO includes the City of Charlottesville and the adjacent urbanized areas of Albemarle County (the rural areas of Albemarle County are outside the MPO boundary, as is illustrated on the map below).



The MPO considers long-range regional projects and combines public input, technical data, and agency collaboration to develop forward-thinking solutions to transportation related challenges.

The MPO is responsible for carrying out a continuous, cooperative, and comprehensive transportation planning process. This process includes reviewing transportation projects and preparing studies and plans.

The Charlottesville-Albemarle MPO is governed by the MPO Policy Board and staffed by the Thomas Jefferson Planning District Commission (TJPDC). MPO Policy Board membership consists of 13 representatives from the following organizations:

|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| <b>Voting Member Organizations (5)</b>    | (2) Albemarle County Board of Supervisors             |
|                                           | (2) Charlottesville City Council                      |
|                                           | (1) Va. Dept. of Transportation (VDOT)                |
| <b>Nonvoting Member Organizations (8)</b> | Charlottesville Area Transit (CAT)                    |
|                                           | Citizens Transportation Advisory Committee (CTAC)     |
|                                           | Federal Transit Administration (FTA)                  |
|                                           | Federal Highway Administration (FHWA)                 |
|                                           | Jaunt                                                 |
|                                           | Thomas Jefferson Planning District Commission (TJPDC) |
|                                           | UVA Office of the Architect                           |
|                                           | Va. Dept. of Rail and Public Transportation (DRPT)    |

Two committees support the MPO Policy Board: The MPO Technical Committee and a Citizens Transportation Advisory Committee (CTAC).

The MPO Technical Committee includes representatives from the following organizations:

- |                                                       |                                         |
|-------------------------------------------------------|-----------------------------------------|
| • City of Charlottesville                             | • Charlottesville Area Transit          |
| • Albemarle County                                    | • Jaunt                                 |
| • University of Virginia                              | • Federal Transit Administration (FTA)  |
| • Virginia Department of Transportation (VDOT)        | • Federal Highway Administration (FHWA) |
| • Department of Rail and Public Transportation (VRPT) | • Federal Aviation Administration (FAA) |

The Citizens Transportation Advisory Committee (CTAC) includes 13 citizen representatives. Albemarle County and the City of Charlottesville each appoint five members, and the MPO Policy Board appoints three members.

## Introduction to Transportation Improvement Program (TIP)

### What is a TIP?

The Charlottesville-Albemarle MPO Transportation Improvement Program (TIP) is a prioritized listing/program of transportation projects covering a period of four years that is developed and

formally adopted by an MPO as part of the metropolitan transportation planning process, consistent with the metropolitan transportation plan, and required for projects to be eligible for funding under title 23 U.S.C. and title 49 U.S.C. Chapter 53. It represents projects from the most recently adopted Long Range Transportation Plan, the 2050 LRTP. The fiscal year for the FY2024-2027 TIP begins on October 1, 2022 and is applicable until September 30, 2026. The Federal Highway Administration (FHWA) is a primary sponsor for many of the highway projects listed in the TIP.

Activities listed for Charlottesville Area Transit (CAT) and Jaunt are projects and programs expected to obligate federal funds over the coming four-year period. The primary sponsor of funding for these activities is the Federal Transit Administration (FTA).

## **The Purpose of the TIP**

The TIP:

- Prioritizes transportation projects expected to be implemented during a four-year period, and describes the schedule for obligating federal funds.
- Contains a financial plan for all modes of transportation including roadways and transit capital and operating costs.
- Serves as a tool for monitoring progress in implementing the MPO's long range transportation plan.
- Is incorporated into the State Transportation Improvement Program (STIP), for its submission to FHWA, FTA, and the Environmental Protection Agency (EPA) for approval.
- Includes state and locally funded regionally significant transportation projects to provide a comprehensive view of transportation projects in the Charlottesville-Albemarle area.
- Includes regionally significant unfunded, visioning transportation projects that are significant to the region's transportation network improvement strategies.

## **Selecting Projects for the TIP**

The FHWA tracks all federally funded projects in the Statewide Transportation Improvement Program (STIP), which incorporates each MPO TIP by reference, in total and without change. The STIP includes all transportation projects in the state of Virginia that are scheduled to receive federal funding over a four-year interval and must first be included in the Six Year Improvement Program (SYIP), developed by VDOT, in cooperation with local governments.

The SYIP is updated biennially and includes a listing of projects, their descriptions, funding sources, and cost estimates. The Commonwealth Transportation Board (CTB) approves the SYIP for the upcoming six-year period by June 30 of every other year.

All projects which appear in the SYIP and require federal approval are included in the TIP; state and locally funded projects are not included in the TIP, unless deemed regionally significant. The schedule and cost estimate for each phase of a project, as well as phase allocation and obligation information per project, can be found in the currently adopted VDOT SYIP, and is available at <http://www.virginiadot.org/projects/syp-default.asp>. Some projects in the TIP are not shown as individual projects. Rather, they are grouped together and shown as a single line item in the TIP. This single line-item represents a grouping of projects with similar funding categories, and displays a cumulative sum of obligations rather than obligations per project.

## **Transportation Goals and Priorities**

The Charlottesville-Albemarle MPO has long-standing transportation goals and priorities that are defined in the regional long-range transportation plan. As required under federal regulations, the long range transportation plan is a listing of the most important projects for the MPO area over the next 20 years. Due to budget constraints, the 2050 LRTP focuses on a practical set of improvements that maximizes the effectiveness of existing transportation investments.

## **Primary Goal and Major Factors**

The overarching regional transportation system goal is to create a balanced, multimodal transportation network, by 1) improving connections throughout the region; 2) improving mobility within neighborhoods, towns, and counties; and 3) making transportation choices that help foster livable communities. Several major objectives have been identified to help the MPO achieve these goals:

- Completion of a well-connected multi-modal networks with better connections within and between neighborhoods.
- Re-engineered intersection and corridor design to improve operational efficiency and safety.
- Fast, frequent, dependable transit service with seamless connections throughout the region.
- Well-executed design details for pedestrian-friendly streets, bike lanes and trails, transit stops, safer intersections, and pedestrian crossings.

All of these elements will also help complete the transit “customer delivery system” needed for efficient, cost-effective transit operations. By building new critical facilities and re-engineering existing roadways, overall system operations and safety will be improved.

The regional dynamics of interconnected roadway networks; coordinated transit systems such as Jaunt, CAT, UTS, and Park and Ride lots; varied commuting patterns; and regional destinations for shopping and recreation point to the need for a coordinated, multi-modal regional transportation plan. This plan must be effectively implemented if the region is to continue to flourish and grow in keeping with the quality of life we currently enjoy. Because the majority of local roadway construction is actually funded privately by developers building new subdivision streets, significant progress can be made through better planning and project coordination. By encouraging more interconnections between new developments, coupled with lower-speed and safer roadway design, a major portion of the roadway network can be completed with private funds. With careful planning, public funding can be maximized by “connecting the dots” between developments.

## **Specific Emphasis**

A better-connected multi-modal network will help relieve traffic congestion along heavily used corridors, and reduce congestion at major bottlenecks and intersections. These systems will also provide for many safety improvements to the overall transportation network, allowing

people to access nearby destinations on smaller-scale, pedestrian-, bike-, and transit-friendly roadways.

While a major focus is expedited project implementation, several new roadways and improvement projects are completed or underway to provide better multi-modal connections and through movements. Some roadways require minor and/or spot improvements, widening, realignments, widened shoulders, or expanded lanes. These projects will improve safety and capacity.

To provide residents and businesses with safe, efficient and truly usable transportation options, the MPO Long Range Plan includes significant emphasis on bike, pedestrian and transit projects. Strategies include a focus on improvements around existing villages, coupled with better connections between neighborhoods, schools, and town centers. Other improvements for pedestrian safety can be made that do not require capital funding and include enhanced enforcement of safety laws.

## **Getting Involved in the MPO and the TIP Development**

### **MPO Area Meetings**

All meetings for the MPO Policy Board and the two other MPO committees are open to the public. Time is reserved at the start and finish of each meeting for comment from members of the public. All meetings are held at the TJPDC Office's Water Street Center, 407 E. Water St., Charlottesville, VA 22902. For more information about the MPO and its committees, please visit <http://campo.tjpd.org/>.

### **TIP Development**

The MPO encourages public involvement in the TIP process. Time is also allotted for public comment concerning the SYIP at the Spring public hearings and the Fall public meetings. For more information about MPO Public Hearings, please visit <http://campo.tjpd.org/committees/>.

For more information about the CTB, please visit <http://www.ctb.virginia.gov/> For more information about the Six Year Improvement Program (SYIP), please visit [https://www.virginiadot.org/projects/syip/virginia's\\_transportation\\_funding.asp](https://www.virginiadot.org/projects/syip/virginia's_transportation_funding.asp).

## **Performance Based Planning and Programming**

Performance Based Planning and Programming requirements for transportation planning are laid out in the Moving Ahead for Progress in the 21<sup>st</sup> century (MAP-21), enacted in 2012 and reinforced in the 2015 FAST Act, which calls for states and MPOs to adopt performance measures. Each MPO adopts a set of performance measures, in coordination with the Virginia Department of Transportation (VDOT) and the Virginia Department of Rail and Public Transit (DRPT), and these measures are used to help in the prioritization of TIP and Long-Range Transportation Plan projects.

Rollout of performance measures is ongoing. The MPO has been coordinating with VDOT and DRPT to adopt performance measures and targets as they become available. Once the initial

performance measures and targets are adopted, the MPO will continue to monitor and report progress at required intervals set forth in State and Federal guidance. To date the MPO has formally adopted the following adjusted performance measures and targets.

## VDOT Adopted Measures

### 1. Safety Performance Measures

In accordance with the requirements of MAP-21 and the FAST Act, Virginia has established safety performance objectives as published in [Virginia's 2017 - 2021 Strategic Highway Safety Plan \(SHSP\)](#) and, starting in 2017, annual targets in the Highway Safety Improvement Program (HSIP) Annual Report. The SHSP performance measure objectives are indicated in Table 1 below. Each year, the performance measures are updated by CA-MPO to match the state's performance measures as illustrated in Table 2.

There are five measures that make up the safety category. These measures include the number of fatalities, fatality rate, the number of serious injuries, serious injury rate, and the number of crashes involving bike/ped. The MPO has adopted the state-wide Safety Targets for the five measures. For safety performance measures 1, 2, and 3, annual targets were developed collaboratively by the MPO, Department of Motor Vehicles (DMV) Highway Safety Office (HSO) and VDOT HSIP staff. The DMV HSO also includes these measures in their Highway Safety Plan submitted to the National Highway Traffic Safety Administration (NHTSA) every June.

The Commonwealth Transportation Board approves all five annual targets and VDOT includes these in the HSIP Annual Report submitted to FHWA every August. Within 180 days of VDOT's annual report submission to FHWA, The MPO adopted the Statewide targets for 2022 and adopted regionally-specific targets in 2023 as shown in the tables below. The MPO will assess and update these targets annually.

**Table 1: 2022 SHSP Safety Performance Objectives**

| <b>Performance Measure</b>                                | <b>Five-year average annual reduction</b> |
|-----------------------------------------------------------|-------------------------------------------|
| Number of Fatalities                                      | 9                                         |
| Rate of Fatalities per 100 Million Vehicle Miles Traveled | 0.939                                     |
| Number of Serious Injuries                                | 127                                       |
| Rate Serious Injury Million Miles Vehicle Miles Traveled  | 13.295                                    |
| Number of Non-Motorized Fatalities & Serious Injuries     | 14                                        |

**Table 2: 2023 SHSP Safety Performance Objectives**

| <b>SHSP Safety Performance Objectives</b>                 | <b>2022<br/>Five-year<br/>average<br/>annual<br/>reduction</b> | <b>2023<br/>Five-year<br/>average<br/>annual<br/>reduction</b> | <b>2024<br/>Five-year<br/>average<br/>annual<br/>reduction</b> | <b>2025<br/>Five-year<br/>average<br/>annual<br/>reduction</b> |
|-----------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Number of Fatalities                                      | 9                                                              | 9                                                              | 11                                                             | 12                                                             |
| Rate of Fatalities per 100 Million Vehicle Miles Traveled | 0.939                                                          | 0.76                                                           | 0.962                                                          | 0.935                                                          |
| Number of Serious Injuries                                | 127                                                            | 108                                                            | 137                                                            | 143                                                            |
| Rate Serious Injury Million Miles Vehicle Miles Traveled  | 13.295                                                         | 9.204                                                          | 12.106                                                         | 11.463                                                         |
| Number of Non-Motorized Fatalities & Serious Injuries     | 14                                                             | 13                                                             | 13                                                             | 17                                                             |

Adjustment 11, add table with 2022 through 2025 SHSP Safety Performance Measures

## 2. Pavement and Bridge Condition (PM2)

There are three measures that make up the pavement and bridge condition category. These measures include; the percentage of pavement in good condition (interstate), percentage of pavement in poor condition (interstate), percentage of pavement in good condition (non-interstate National Highway System), percentage of pavement in poor condition (non-interstate National Highway System), percentage of deck area of bridges in good condition (National Highway System), and the percentage of deck area of bridges in poor condition (National Highway System).

The MPO has reviewed the state targets and the predicted trends for the MPO area and adopted the state targets for Fiscal Year 2023 (table 4).

**Table 4: PM2 Targets for MPO and Virginia in 2023**

| <b>Performance Measure</b>              | <b>Scope</b>         | <b>MPO 2021<br/>Baseline</b> | <b>Adopted<br/>4-Year<br/>Target</b> |
|-----------------------------------------|----------------------|------------------------------|--------------------------------------|
| % Pavement in Good Condition            | Interstate           | 73.50%                       | 45%                                  |
| % Pavement in Poor Condition            | Interstate           | 0%                           | 3%                                   |
| % Pavement in Good Condition            | NHS (non Interstate) | 28.70%                       | 25%                                  |
| % Pavement in Poor Condition            | NHS (non Interstate) | 0.10%                        | 5%                                   |
| % of Bridge Deck Area in Good Condition | NHS (All)            | 10.80%                       | 25.1%                                |
| % of Bridge Deck Area in Poor Condition | NHS (All)            | 7.80%                        | 3.6%                                 |

## 3. System Performance (PM3)

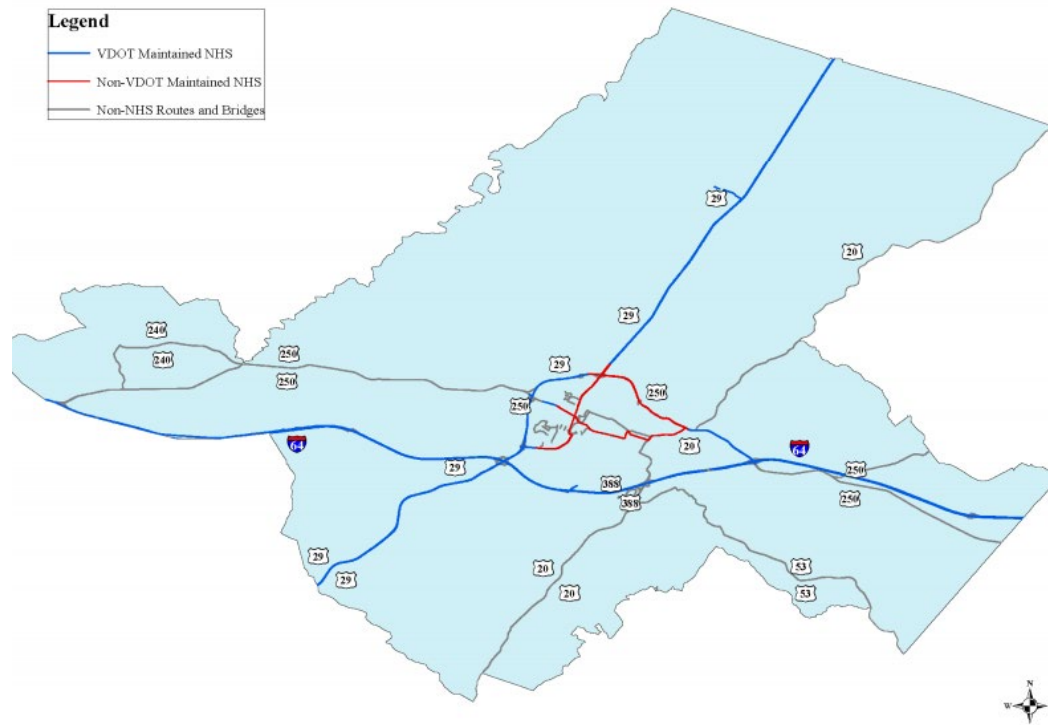
There are three measures that apply to the MPO in the System Performance category. These measures include; the percentage of person-miles traveled that are reliable (Interstates), Percentage of person-miles traveled that are reliable (National Highway System non-interstates), and truck travel times reliability index (Interstates).

The MPO has reviewed the state targets and the predicted trends for the MPO area and adopted the state targets for Fiscal Year 2021 (table 5).

**Table 5: PM3 Targets for MPO and Virginia**

| Performance Measure                       | Scope                | MPO 2021 Baseline | Adopted 4-year Targets |
|-------------------------------------------|----------------------|-------------------|------------------------|
| % Person-miles traveled that are reliable | Interstate           | 100%              | 85%                    |
| % Person-miles traveled that are reliable | NHS (Non Interstate) | 90.70%            | 88.00%                 |
| Truck travel time reliability index       | NHS (All)            | 1.15              | 1.64                   |

### CA-MPO Interstates and National Highway System Roadways



## DRPT Adopted Measures

The Public Transportation Agency Safety Plan (PTASP) final rule (49 C.F.R. Part 673) intends to improve public transportation safety by guiding transit agencies to more effectively and proactively manage safety risks in their systems. It requires certain recipients and sub-recipients of Federal Transit Administration (FTA) grants that operate public transportation to develop and implement safety plans that, establish processes and procedures to support the implementation of Safety Management Systems (SMS). Agencies are required to fulfill this requirement through an individual or group plan. The PTASP rule provides two tiers of requirements for transit agencies based on size and operating characteristics:

- A Tier I agency operates rail, OR has 101 vehicles or more all fixed route modes, OR has 101 vehicles or more in one non-fixed route mode.
  - A Tier II agency is a subrecipient of FTA 5311 funds, OR is an American Indian Tribe, OR has 100 or less vehicles across all fixed route modes, OR has 100 vehicles or less in one non-fixed route mode.
- Tier II** The Department of Rail and Public Transportation (DRPT) is the sponsor for the Statewide Tier II Group PTASP Plan.

The Charlottesville Albemarle Metropolitan Planning Organization (CA-MPO) programs federal transportation funds for Charlottesville Area Transit (CAT) and Jaunt. Charlottesville Area Transit and Jaunt are both Tier II agencies participating in the DRPT sponsored group PTASP Plan.

The CA-MPO has adopted the Tier II PTASP into its TIP by reference and integrated the goals measures and targets described in the 2022 Commonwealth of Virginia Tier II Group Transit Asset Management Plan, October 1, 2022 into the MPO's planning and programming process. Specific targets for the Tier II Group PTASP Plan are displayed in the tables below. CAT contracts with Jaunt to provide paratransit service for its fixed routes. Table 6 contains CAT's fixed route service and the paratransit numbers are for Jaunt's paratransit service provided to CAT. Table 7 is for fixed route commuter service provided by Jaunt like the Buckingham route and the 29 express.

**Table 6: Charlottesville Area Transit and Jaunt PTASP Performance Targets by Mode:**

| Performance Measures                                                | Targets by Mode                                                |                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
|                                                                     | Fixed Route (CAT)                                              | Paratransit/ Demand Response (JAUNT)                           |
| <b>Fatalities (total number of reportable fatalities per year)</b>  | 0                                                              | 0                                                              |
| <b>Fatalities (rate per total vehicle revenue miles by mode)</b>    | 0                                                              | 0                                                              |
| <b>Injuries (total number of reportable injuries per year)</b>      | 1                                                              | 0                                                              |
| <b>Injuries (rate per total vehicle revenue miles by mode)</b>      | Less than .5 injuries per 100,000 vehicle revenue miles        | Less than .5 injuries per 100,000 vehicle revenue miles        |
| <b>Safety events (total number of safety events per year)</b>       | 1                                                              | 1                                                              |
| <b>Safety events (rate per total vehicle revenue miles by mode)</b> | Less than 1 reportable event per 100,000 vehicle revenue miles | Less than 1 reportable event per 100,000 vehicle revenue miles |
| <b>Distance between Major Failures</b>                              | 10,000 miles                                                   | 10,000 miles                                                   |
| <b>Distance between Minor Failures</b>                              | 3,200 miles                                                    | 3,200 miles                                                    |

**Table 7: Jaunt PTASP Performance Targets by Mode:**

| Performance Measures                                                | Targets by Mode                                                |                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
|                                                                     | Fixed Route                                                    | Paratransit/ Demand Response                                   |
| <b>Fatalities (total number of reportable fatalities per year)</b>  | 0                                                              | 0                                                              |
| <b>Fatalities (rate per total vehicle revenue miles by mode)</b>    | 0                                                              | 0                                                              |
| <b>Injuries (total number of reportable injuries per year)</b>      | 9                                                              | 0                                                              |
| <b>Injuries (rate per total vehicle revenue miles by mode)</b>      | Less than .5 injuries per 100,000 vehicle revenue miles        | Less than .5 injuries per 100,000 vehicle revenue miles        |
| <b>Safety events (total number of safety events per year)</b>       | 17                                                             | 0                                                              |
| <b>Safety events (rate per total vehicle revenue miles by mode)</b> | Less than 1 reportable event per 100,000 vehicle revenue miles | Less than 1 reportable event per 100,000 vehicle revenue miles |
| <b>Distance between Major Failures</b>                              | 10,000 miles                                                   | 10,000 miles                                                   |
| <b>Distance between Minor Failures</b>                              | 3,200 miles                                                    | 3,200 miles                                                    |

Additional information and guidance on the Public Transportation Agency Safety Plan (PTASP) is available on FTAs Public Transportation Safety Plan webpage: <https://www.transit.dot.gov/PTASP> and in the PTASP final rule factsheet:

<https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/regulations-and-guidance/safety/public-transportation-agency-safety-program/117281/ptasp-fact-sheet-02-06-2019.pdf>.

## **Performance Based Planning and Programming in the TIP and LRTP:**

As Performance Based Planning and Programming requirements are rolled out and targets are set, projects in the TIP have been assessed to connect project scopes, as identified in the TIP, to goals in the MPO Long Range Transportation Plan (LRTP 2050). The LRTP 2050 plan was developed with MAP-21 guidance and includes performance measures aligned with MAP-21. [These goals are set out in Chapter 4 of the 2050 Long Range Transportation Plan](#), and listed below.

## L RTP 2050 Goals and Objectives:

### Goals

The plan's identified goals direct the process of evaluating the transportation system and developing infrastructure priorities. While the lenses indicate overarching community values that need to be considered, the goals address the transportation system directly. The goals define values necessary for the region to consider when determining how to improve the transportation system while incorporating and considering national goals, established performance targets, and state funding programs.

### Objectives

The plan's objectives are specific and measurable, describing observable outcomes. They can determine whether the region is successfully achieving its established goals.

- **Goal 1: Safety** - Improve the safety of the transportation system for all users.
  - » *Objective 1: Reduce the frequency of serious injury and fatal crashes.*
  - » *Objective 2: Improve comfort and safety for users of the multimodal system.*
- **Goal 2: Multi-Modal Accessibility** - Improve access through greater availability of mode choices that are affordable and efficient.
  - » *Objective 1: Increase mode choice for all users.*
- **Goal 3: Land Use** - Connect community destinations in a manner that aligns with growth management priorities.
  - » *Objective 1: Provide multimodal infrastructure in designated growth areas, mixed-use areas, and near community resources.*
  - » *Objective 2: Fill connectivity gaps in the multimodal network.*
- **Goal 4: Environment** - Reduce the negative environmental impacts of the transportation system.
  - » *Objective 1: Minimize impacts of the transportation system on the natural and built environment.*
  - » *Objective 2: Integrate sustainable infrastructure practices into project design.*
- **Goal 5: Efficiency and Economic Development** - Efficiently and reliably move people and goods through the multimodal transportation system.
  - » *Objective 1: Improve roadway and transit system efficiency through operational improvements.*
  - » *Objective 2: Increase system capacity at identified bottlenecks.*
  - » *Objective 3: Maintain the existing system in a state of good repair.*

### TIP linkage to adopted measures:

New TIP and LRTP projects are reviewed for their linkages to safety needs using the following steps:

- Safety deficiencies are identified by analyzing crash data provided by VDOT as part of the Highway Safety Improvement Program.
- Proposed projects are reviewed for their impact on safety using crash modification factors based on project design.

### Resource Documents:

|   |                                                   |                                                                                                                                                                                                                                                                                                                                                          |
|---|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 2050 Long Range Transportation Plan               | <a href="http://campo.tjpc.org/process-documents/lrtp/">http://campo.tjpc.org/process-documents/lrtp/</a>                                                                                                                                                                                                                                                |
| 2 | Albemarle County Places29 Master Planning Process | <a href="http://www.albemarle.org/departments.asp?department=cdd&amp;relpage=3735">http://www.albemarle.org/departments.asp?department=cdd&amp;relpage=3735</a>                                                                                                                                                                                          |
| 3 | 29H250 Phase II Report                            | <a href="http://campo.tjpc.org/reports-and-documents/us-29-hydraulic-250-bypass-intersections-study/">http://campo.tjpc.org/reports-and-documents/us-29-hydraulic-250-bypass-intersections-study/</a>                                                                                                                                                    |
| 4 | Eastern Planning Initiative                       | <a href="http://campo.tjpc.org/eastern-planning-initiative/">http://campo.tjpc.org/eastern-planning-initiative/</a>                                                                                                                                                                                                                                      |
| 5 | Hillsdale Drive                                   | <a href="http://www.hillsdaledrive.org/">http://www.hillsdaledrive.org/</a>                                                                                                                                                                                                                                                                              |
| 6 | TJPC Transportation                               | <a href="http://tjpc.org/transportation-planning/">http://tjpc.org/transportation-planning/</a>                                                                                                                                                                                                                                                          |
| 7 | Environmental Review Reports                      | Copies are available in both the central Richmond Office and each District Office. They are sent to local residencies within 30 days of any public hearing about the project to which they relate. For additional information on Environmental Review for TIP projects, contact Rick Crofford (VDOT, Culpeper District Assistant Environmental Manager). |

### TIP User's Guide: Understanding the TIP Format

Project information appears for each project that currently receives federal funding through the Six-Year Improvement Program. The information for each of these projects appears in the chart format shown below and is provided to the MPO by VDOT. Terms are listed consistently in the grey boxes, while project-specific details are listed in the white boxes to the right of, or below, each term. Definitions for the numbered terms appear in the corresponding Glossary of Terms table. Project information will appear in the TIP if funding is necessary for miscellaneous follow-up costs (e.g. utility relocation, miscellaneous bill payment, etc.). Projects must be removed from the Six Year Program in order to be removed from the TIP.

|   |              |                                                              |      |              |                    |      |            |             |
|---|--------------|--------------------------------------------------------------|------|--------------|--------------------|------|------------|-------------|
| 1 | UPC NO       | 77273                                                        | 2    | SCOPE        | BRIDGE REPLACEMENT |      |            |             |
| 3 | SYSTEM       | Secondary                                                    | 4    | JURISDICTION | Albemarle County   | 5    | OVERSIGHT  | NFO         |
| 6 | PROJECT      | RTE 743 - BRIDGE & APPROACHES OVER NORTH FORK RIVANNA        |      |              |                    | 7    | ADMIN BY   | VDOT        |
| 8 | DESCRIPTION  | FROM: 0.11 Mi. W Int. Rte. 641 TO: Int. Rte. 641 (0.1100 MI) |      |              |                    |      |            |             |
| 9 | ROUTE/STREET | 0743                                                         |      |              |                    | 10   | TOTAL COST | \$4,017,516 |
|   | FUND SOURCE  | MATCH                                                        | FY09 | FY10         | FY11               | FY12 |            |             |
|   |              |                                                              | \$0  | \$0          | \$0                | \$0  | \$0        | \$0         |

## Glossary of Terms

|    | Term                                           | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | <b>Universal Project Code (UPC) Number</b>     | Number assigned to each project at its conception, remaining with the project until completion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2  | <b>Scope</b>                                   | Includes notes about the work to be covered by the project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3  | <b>System</b>                                  | Indicates which system, program, or mode of transportation the project falls within. E.g. Interstate, Primary, Secondary, Urban, Rail, Transportation Enhancements, or Miscellaneous.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 4  | <b>Jurisdiction</b>                            | The jurisdiction (City of Charlottesville or Albemarle County) in which the project will occur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5  | <b>Federal Oversight Indicator (FO or NFO)</b> | FO: Indicates Federal Oversight in the project construction, contracting, and management.<br>NFO: Indicates No Federal Oversight in the construction, contracting, and management issues, and does not affect the standard environmental review process for transportation projects. All federally funded transportation projects must include the required environmental documents regardless of whether there is federal oversight required.                                                                                                                                                                                                                   |
| 6  | <b>Project/Project Phase</b>                   | Name of the Project and Phase (i.e. <i>PE: Preliminary Engineering</i> - Preliminary field survey, utility location, environmental or historical studies, design drawings, final field inspections and public hearings will be done. This process can take several months to years to complete; <i>RW: Right of Way</i> - Negotiations with property owners take place, payments are made, and arrangements with utility companies are finalized to obtain the land necessary for the project; or <i>CN: Construction</i> - Project is advertised to prospective contractors for bids. Once the bids are opened and a contract awarded, construction can begin.) |
| 7  | <b>Admin By</b>                                | Entity responsible for the project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 8  | <b>Description</b>                             | Limits of the project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 9  | <b>Route/Street</b>                            | Local street name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10 | <b>Total Cost</b>                              | The total estimated cost (TO) reflecting the best overall estimate available at the time. Estimated costs begin as rough estimates, usually based on historical data, and are updated at critical stages (e.g. the final field inspection), as plans are more defined.                                                                                                                                                                                                                                                                                                                                                                                           |

|    | Term                                                                                                                                           | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11 | <b>Fund Source</b><br><i>All designations except "State" indicate that federal funds are to be used for at least a portion of the project.</i> | FHWA funding sources are described below:                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|    |                                                                                                                                                | <b>APD</b> Appalachian Development                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|    |                                                                                                                                                | <b>HPD</b> TEA-21 Priority                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    |                                                                                                                                                | <b>APL</b> Appalachian Local Access                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|    |                                                                                                                                                | <b>I</b> Interstate                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|    |                                                                                                                                                | <b>BH</b> Bridge Rehabilitation                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|    |                                                                                                                                                | <b>IM</b> Interstate Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    |                                                                                                                                                | <b>BOND</b> Bonds/Interest                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    |                                                                                                                                                | <b>NHS</b> National Highway System                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|    |                                                                                                                                                | <b>BR</b> Bridge Replacement                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|    |                                                                                                                                                | <b>OC</b> Open Container                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    |                                                                                                                                                | <b>CMAQ</b> Congestion Mitigation & Air Quality                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|    |                                                                                                                                                | <b>OT</b> Off the Top                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|    |                                                                                                                                                | <b>DEMO</b> Federal Demonstration                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|    |                                                                                                                                                | <b>RO</b> Repeat Offender                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 12 | <b>Match</b>                                                                                                                                   | <b>DT</b> Dulles Toll Facilities                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    |                                                                                                                                                | <b>RPT</b> Richmond-Petersburg Turnpike Tolls                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 13 | <b>Current and Future Obligations</b>                                                                                                          | <b>EN</b> Enhancement                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|    |                                                                                                                                                | <b>RS</b> Rail Safety (100% Federal)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    |                                                                                                                                                | <b>FH</b> Forest Highway                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    |                                                                                                                                                | <b>RSTP</b> Regional Surface Transportation Program                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|    |                                                                                                                                                | <b>FRAN</b> Federal Reimbursement Anticipation Notes                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    |                                                                                                                                                | <b>S</b> State                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    |                                                                                                                                                | <b>FTA</b> Federal Transit Authority Grant                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    |                                                                                                                                                | <b>STP</b> Surface Transportation                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|    |                                                                                                                                                | <b>HES</b> Hazard Elimination Safety (Sec. 152)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|    |                                                                                                                                                | <b>TFRA</b> Toll Facilities Revolving Debt                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 12 | <b>Match</b>                                                                                                                                   | Dollar amount matched to federally funded project. Most federal fund sources require a match of some sort; most often 20% of the total cost. The match is included in the obligations section for informational purposes. The match can come from local, state or other sources.                                                                                                                                                                                                         |
|    |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 13 | <b>Current and Future Obligations</b>                                                                                                          | The amount of funding which is obligated for the indicated phase of work. An obligation represents a commitment from the Federal government to reimburse the state for the Federal share (e.g. 80%) of a project's eligible cost. This commitment occurs when the project is approved and the Federal government executes the project agreement. The funding obligation listed is the dollar amount that a state may spend and expect reimbursement for during each Federal fiscal year. |
|    |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Additional Project Information** Each ungrouped project summary includes additional detail provided by the MPO, the City of Charlottesville, and Albemarle County. This information appears in a small chart beneath the project's cost estimates and obligations, and includes detail describing the project's location, purpose, MPO endorsement status, and environmental review information, including:

|                                             |                                                                                                                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Impact Statement (EIS)</b> | An Environmental Impact Statement is prepared for projects which are expected to have a significant impact on the environment                                                  |
| <b>Categorical Exclusions (CE)</b>          | Categorical Exclusions apply to projects which will not individually or cumulatively cause a significant environmental impact. Most CEs require minimal administrative review. |
| <b>Program Categorical Exclusions (PCE)</b> | Program Categorical Exclusions are pre-determined actions which do not require administration review.                                                                          |

|                                      |                                                                                                                         |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Assessment (EA)</b> | An Environmental Assessment is prepared for actions in which the significance of the environmental impact is not clear. |
| <b>Not Available (NA)</b>            | Not available or not undertaken is when any of the above have not yet been completed or are not needed.                 |

## **TIP Financial Information**

### **SYIP Allocations vs. TIP Obligations**

The SYIP is an allocation document similar to a capital outlay plan. Allocations are funds that are available in current and previous years (i.e., “the budget”) and those forecasted for future years over the period covered in the SYIP. For example, the FY 2015-2020 SYIP became effective on July 1, 2014; at that time, FY 2015 allocations were combined with any remaining previous allocations that were on each project and together, all previous allocations represent the current budget on the project; funds for FY 2016 through FY 2020 are funds projected to be available in each of those years based on the most recent revenue forecast. Allocations come from several sources, including state, federal, and local funds and represent the amount of funding the Commonwealth has set aside to fund the cost of each project.

The TIP is an obligation document. Obligations are not allocations, but instead represent commitments by the federal government to reimburse the state for the federal share of a project’s eligible costs. Thus, states do not receive funding in advance of beginning a project or phase; instead, a project or phase is authorized in a federal agreement under which FHWA or FTA commits to reimburse the state for a share of eligible costs. Obligations are identified in the STIP/TIP by project and project phase (i.e., Preliminary Engineering (PE), Right of Way (RW), and Construction (CN)), and are forecasted across a three-year period.

To better understand the relationship between allocations and obligations, consider the allocation as the money in your checking account that you plan to spend; consider the obligations as the checks you plan to write to cover costs incurred. Like balancing a checkbook, a project’s obligations should be equal to or less than the amount of funding allocated to it, generally speaking. Since the TIP is an obligation document, it identifies the amount of funding anticipated to be reimbursed by the federal government, while the SYIP is an allocation document that identifies the total amount of funding expected to be expended to deliver the specified projects and programs.

### **TIP Financial Plan**

MAP-21’s planning regulation 23 CFR 450.324(h) specifies the inclusion of a financial plan in the TIP that shows how the projects or project phases identified can reasonably be expected to be implemented with the available public and private revenues identified. TIP projects and phases are required to be consistent with the long-range plan and must be fully funded in the TIP. To the extent that funding is available or is reasonably expected to be available, priority projects and phases have been selected for inclusion in this TIP. The MPO and its member organizations have cooperatively developed financial forecasts for the TIP based on the latest official planning assumptions and estimates of revenue(s) and cost(s). The financial information is given by

funding category for the projects listed and expected to be implemented during the four-year period beginning in FY 2021.

Some projects listed in the TIP may show \$0 for planned obligations. Possible reasons for this include:

- Project is complete and is awaiting financial closeout;
- 
- Subsequent phases beyond four years;
- Information only, funding being pursued; or
- Project to be funded from [category] group funding.

In addition to construction projects, revenue projections have been made for maintaining and operating the region's highway and transit systems during the same four-year period. Funded TIP actions typically include, but are not limited to:

- transportation studies;
- ground transportation system improvement projects (fixed-guide, highway, bicycle, pedestrian, commuter lots, etc.);
- public transit systems and services, including the components of coordinated human service mobility plans;
- system maintenance (monitoring, repair and/or replacement of system facilities and support sites; snow removal; mowing; painting; rest area or weigh station sites; etc); and
- system operations (ITS-TSM applications; traffic operations such as signalization, signal coordination, ramp meters, or message signs; roadside assistance; incident management; for the urbanized TMAs, their Congestion Management Process activities; VDOT traffic management centers; bridge-tunnel management; toll road or congestion pricing management; etc.).

## Funding Sources

The following provides a general overview of funding programs utilized in the development of the TIP.

### *Highway Funding Program:*

**BR/BROS** **Bridge Rehabilitation and Replacement** program provides funding for bridge improvements. Eligibility for funding is based on a rating of bridge condition by VDOT as a candidate for upgrading.

**DEMO** The federal transportation acts include demonstration, priority, pilot, or special interest projects in various Federal-aid highway and appropriations acts. These projects are generically referred to as "demonstration" or "demo" projects, because Congress initiated this practice of providing special funding for these projects to demonstrate some new or innovative construction, financing, or other techniques on specific projects.

**EB/MG** The **Equity Bonus** (formerly known as **Minimum Guarantee**) ensures that each State receives a specific share of the aggregate funding for major highway programs (Interstate Maintenance, National Highway System, Bridge, Surface Transportation Program, Highway Safety Improvement Program, Congestion Mitigation and Air Quality Improvement, Metropolitan Planning, Appalachian Development Highway System,

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | Recreational Trails, Safe Routes to School, Rail-Highway Grade Crossing, Coordinated Border Infrastructure programs, and Equity Bonus itself, along with High Priority Projects), with every State guaranteed at least a specified percentage of that State's share of contributions to the Highway Account of the Highway Trust Fund.                                                                                                                                                                                                                                                    |
| <b>IM</b>          | <b>Interstate Maintenance</b> (IM) program provides reconstruction, maintenance, and improvements to the National System of Interstate and Defense Highways. The Commonwealth Transportation Board (CTB) administers these programs.                                                                                                                                                                                                                                                                                                                                                      |
| <b>NHS</b>         | <b>National Highway System</b> (NHS) projects can be funded only if they are on the National Highway System, which is established by Congress.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RSTP</b>        | <b>Regional Surface Transportation Program</b> (RSTP) provides funding for a broad range of capacity, operational, and congestion mitigation related improvements. Projects include road widening, rehabilitation, transit capital, research, environmental enhancements, intelligent transportation systems, planning, and others.                                                                                                                                                                                                                                                       |
| <b>SAFETEA-LU</b>  | <b>The Safe Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)</b> is the federal transportation bill that provides federal transportation funding to each state. The SAFETEA-LU funding category refers to funding earmarks that Congress included in the legislation for specific projects. This funding can only be used for the project(s) for which it is earmarked.                                                                                                                                                                    |
| <b>STP</b>         | <b>Surface Transportation Program</b> (STP) can be utilized on any project located on a roadway that is classified higher than a minor collector. Projects eligible for funding under this program include construction, reconstruction, and rehabilitation, and bridge projects on any public road. Local STP funds are designated as L-STP.                                                                                                                                                                                                                                             |
| <b>Non-Federal</b> | Any funding that does not come from federal sources is grouped into the non-federal funding category.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>EN</b>          | <b>Transportation Enhancement</b> funds have been made available for bicycle and pedestrian facilities through the Surface Transportation Program of the TEA-21. A 10% set aside from each state's allocation of STP funds must be used for Transportation Enhancement activities. Projects are available for funding on a statewide competition basis for enhancement grants. The Enhancement program includes a set aside for the Roadscapes Program, which provides funding for local jurisdictions to apply for landscaping projects on state and federally maintained rights-of-way. |
| <b>SRS</b>         | <b>Safe Routes to School</b> is a competitive grant program to enable and encourage children to safely walk and bicycle to school. Funds can be used for infrastructure improvements and educational programs.                                                                                                                                                                                                                                                                                                                                                                            |

#### ***Transit Funding Programs:***

**Section 5307** Federal Transit Administration formula grants for transit operating assistance in urbanized areas.

**Section 5311** Federal Transit Administration formula grants transit operating assistance outside urbanized areas.

**Section 5317** Federal Transit Administration funds for Job Access and Reverse Commute grants to provide low-income individuals job access transportation.

**Section 5309** Federal Transit Administration discretionary grant funding for capital assistance for major bus related construction or equipment projects.

**Section 5310** Federal Transit Administration funds for private and non-profit organizations providing mass transportation services for the elderly and disabled.

**Non-Federal** Any funding that does not come from federal sources is grouped into the non-federal funding category.

### **Transit**

Charlottesville Area Transit (CAT) uses the Transportation Improvement Program (TIP) development process of the TJPDC Metropolitan Planning Organization (MPO) to satisfy the public hearing requirements of 49 U.S.C. Section 5307(c). The TIP public notice of public involvement activities and time established for public review and comment on the TIP satisfies the program-of-projects requirements of the Urbanized Area Formula Program.

**Table C: CAMPO Federal Funding Categories Fiscal Constraint by Year (Hwy 2024-2027)**

| Fund Source                | FFY 2024                       |                     | FFY 2025                       |                     | FFY 2026                       |                    | FFY 2027                       |                    | TOTAL                          |                     |
|----------------------------|--------------------------------|---------------------|--------------------------------|---------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|---------------------|
|                            | Projected Obligation Authority | Planned Obligation  | Projected Obligation Authority | Planned Obligation  | Projected Obligation Authority | Planned Obligation | Projected Obligation Authority | Planned Obligation | Projected Obligation Authority | Planned Obligation  |
| <b>Federal</b>             |                                |                     |                                |                     |                                |                    |                                |                    |                                |                     |
| BR                         | \$0                            | \$0                 | \$901,970                      | \$901,970           | \$0                            | \$0                | \$0                            | \$0                | \$901,970                      | \$901,970           |
| DEMO                       | \$0                            | \$0                 | \$7,368                        | \$7,368             | \$0                            | \$0                | \$0                            | \$0                | \$7,368                        | \$7,368             |
| HSIP                       | \$299,403                      | \$299,403           | \$3,613,900                    | \$3,613,900         | \$0                            | \$0                | \$0                            | \$0                | \$3,913,303                    | \$3,913,303         |
| NHPP/E                     | \$0                            | \$0                 | \$644,319                      | \$644,319           | \$2,158,332                    | \$2,158,332        | \$0                            | \$0                | \$2,822,651                    | \$2,822,651         |
| NHS/NHPP                   | \$3,655,109                    | \$3,655,109         | \$14,212,498                   | \$14,212,498        | \$849,980                      | \$849,980          | \$0                            | \$0                | \$18,717,587                   | \$18,717,587        |
| STP/STBG                   | \$1,985,902                    | \$1,985,902         | \$8,882,013                    | \$8,882,013         | \$4,109,922                    | \$4,109,922        | \$0                            | \$0                | \$14,977,837                   | \$14,977,837        |
| <b>Subtotal -- Federal</b> | <b>\$5,940,414</b>             | <b>\$5,940,414</b>  | <b>\$28,282,068</b>            | <b>\$28,282,068</b> | <b>\$7,118,234</b>             | <b>\$7,118,234</b> | <b>\$0</b>                     | <b>\$0</b>         | <b>\$41,340,716</b>            | <b>\$41,340,716</b> |
| <b>Other</b>               |                                |                     |                                |                     |                                |                    |                                |                    |                                |                     |
| Non-Federal                | \$6,160,904                    | \$6,160,904         | \$0                            | \$0                 | \$0                            | \$0                | \$0                            | \$0                | \$6,160,904                    | \$6,160,904         |
| State Match                | \$7,730,306                    | \$7,730,306         | \$5,908,389                    | \$5,908,389         | \$1,779,557                    | \$1,779,557        | \$0                            | \$0                | \$8,184,408                    | \$8,184,408         |
| <b>Subtotal -- Other</b>   | <b>\$13,891,210</b>            | <b>\$13,891,210</b> | <b>\$5,908,389</b>             | <b>\$5,908,389</b>  | <b>\$1,779,557</b>             | <b>\$1,779,557</b> | <b>\$0</b>                     | <b>\$0</b>         | <b>\$14,345,312</b>            | <b>\$14,345,312</b> |
| <b>Total</b>               | <b>\$19,831,624</b>            | <b>\$19,831,624</b> | <b>\$34,190,457</b>            | <b>\$2,568,661</b>  | <b>\$2,474,217</b>             | <b>\$8,897,791</b> | <b>\$0</b>                     | <b>\$0</b>         | <b>\$27,420,380</b>            | <b>\$27,420,380</b> |

|                                      |                  |                  |                  |                  |                    |                    |                  |                  |                    |                    |
|--------------------------------------|------------------|------------------|------------------|------------------|--------------------|--------------------|------------------|------------------|--------------------|--------------------|
| <b>Federal - ACC (1)</b>             |                  |                  |                  |                  |                    |                    |                  |                  |                    |                    |
| HSIP                                 | \$139,196        | \$139,196        | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$139,196          | \$139,196          |
| NHPP/E                               | \$0              | \$0              | \$0              | \$0              | \$1,003,424        | \$1,003,424        | \$0              | \$0              | \$1,003,424        | \$1,003,424        |
| NHS/NHPP                             | \$0              | \$0              | \$380,421        | \$380,421        | \$1,046,362        | \$1,046,362        | \$316,432        | \$316,432        | \$1,743,215        | \$1,743,215        |
| STP/STBG                             | \$0              | \$0              | \$200,000        | \$200,000        | \$1,136,683        | \$1,136,683        | \$0              | \$0              | \$1,336,683        | \$1,336,683        |
| TAP                                  | \$67,074         | \$67,074         | \$0              | \$0              | \$0                | \$0                | \$0              | \$0              | \$67,074           | \$67,074           |
| <b>Subtotal -- Federal - ACC (1)</b> | <b>\$206,270</b> | <b>\$206,270</b> | <b>\$580,421</b> | <b>\$580,421</b> | <b>\$3,186,469</b> | <b>\$3,186,469</b> | <b>\$316,432</b> | <b>\$316,432</b> | <b>\$4,289,592</b> | <b>\$4,289,592</b> |

|                                                    |                    |                    |            |            |            |            |            |            |                    |                    |
|----------------------------------------------------|--------------------|--------------------|------------|------------|------------|------------|------------|------------|--------------------|--------------------|
| <b>Statewide and/or Multiple MPO – Federal (3)</b> |                    |                    |            |            |            |            |            |            |                    |                    |
| NHS/NHPP                                           | \$1,031,697        | \$1,031,697        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$1,031,697        | \$1,031,697        |
| <b>Subtotal -- Federal - ACC (3)</b>               | <b>\$1,031,697</b> | <b>\$1,031,697</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,031,697</b> | <b>\$1,031,697</b> |

|                                  |              |              |              |              |              |              |              |              |              |              |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Maintenance - Federal (4)</b> |              |              |              |              |              |              |              |              |              |              |
| NHFP                             | \$1,877,503  | \$1,877,503  | \$1,877,503  | \$1,877,503  | \$1,877,503  | \$1,877,503  | \$1,877,503  | \$1,877,503  | \$7,510,012  | \$7,510,012  |
| NHS/NHPP                         | \$5,678,620  | \$5,678,620  | \$1,380,499  | \$1,380,499  | \$528,620    | \$528,620    | \$528,620    | \$528,620    | \$8,116,359  | \$8,116,359  |
| STP/STBG                         | \$14,706,804 | \$14,706,804 | \$14,766,739 | \$14,766,739 | \$14,827,694 | \$14,827,694 | \$14,889,684 | \$14,889,684 | \$59,190,921 | \$59,190,921 |

|                                                      |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Subtotal --<br/>Maintenance - Federal<br/>(4)</b> | <b>\$22,262,927</b> | <b>\$22,262,927</b> | <b>\$18,024,741</b> | <b>\$18,024,741</b> | <b>\$17,233,817</b> | <b>\$17,233,817</b> | <b>\$17,295,807</b> | <b>\$17,295,807</b> | <b>\$74,817,292</b> | <b>\$74,817,292</b> |
|------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|

- (1) ACC -- Advance Construction -- Funding included in Federal Category based on year of AC Conversion
- (2) CMAQ/RSTP includes funds for TRANSIT projects
- (3) Statewide and/or Multiple MPO - Federal - Funding to be obligated in Multiple MPO Regions and/or Statewide for projects as identified
- (4) Maintenance Projects - Funding to be obligated for maintenance projects as identified

## Interstate Projects

|              |                                             |                      |             |           |            |             |
|--------------|---------------------------------------------|----------------------|-------------|-----------|------------|-------------|
| UPC NO       | 115869                                      | SCOPE                | Safety      |           |            |             |
| SYSTEM       | Interstate                                  | JURISDICTION         | Statewide   | OVERSIGHT | NFO        |             |
| PROJECT      |                                             |                      |             | ADMIN BY  | VDOT       |             |
| DESCRIPTION  | #ITTF20 STATEWIDE TECHNOLOGY FOR OPERATIONS |                      |             |           |            |             |
| PROGRAM NOTE | PE Plan Obligation \$913,491                |                      |             |           |            |             |
| ROUTE/STREET |                                             | 9999                 |             |           | TOTAL COST | \$2,000,000 |
|              | FUNDING SOURCE                              | MATCH                | FY24        | FY25      | FY26       | FY27        |
| PE           | Federal – AC                                | \$0                  | \$1,086,509 | \$0       | \$0        | \$0         |
| PE           | Federal – NHS/NHPP                          | \$0                  | \$913,491   | \$0       | \$0        | \$0         |
| MPO Notes    |                                             | Previous \$1,950,000 |             |           |            |             |

## Primary Projects

|              |                    |                                                                                    |               |      |                                  |               |
|--------------|--------------------|------------------------------------------------------------------------------------|---------------|------|----------------------------------|---------------|
| UPC NO       |                    | 77383                                                                              | SCOPE         |      | Reconstruction w/ Added Capacity |               |
| SYSTEM       |                    | Primary                                                                            | JURISDICTION  |      | Albemarle County                 | OVERSIGHT NFO |
| PROJECT      |                    | RTE 29 – WIDENING & CORRIDOR IMPROVEMENTS                                          |               |      | ADMIN BY                         | VDOT          |
| DESCRIPTION  |                    | FROM: Route 643 (Polo Grounds Road) TO: Route 1719 (Town Center Drive) (1.8300 MI) |               |      |                                  |               |
| PROGRAM NOTE |                    | Linked with UPC 106136 & 106137                                                    |               |      |                                  |               |
| ROUTE/STREET |                    | 0029                                                                               |               |      | TOTAL COST                       | \$50,235,940  |
|              | FUNDING SOURCE     | MATCH                                                                              | FY24          | FY25 | FY26                             | FY27          |
| PE           | Federal – NHS/NHPP | \$0                                                                                | (\$304,685)   | \$0  | \$0                              | \$0           |
| RW           | Federal – NHS/NHPP | \$0                                                                                | (\$4,612,073) | \$0  | \$0                              | \$0           |
| CN AC        | Federal = AC Other | \$0                                                                                | \$9,758,749   | \$0  | \$0                              | \$0           |
| MPO Notes    |                    | Part of the Route 29 Solutions Project. Complete waiting closeout.                 |               |      |                                  |               |

|              |                       |                                                                               |              |      |                                 |                            |
|--------------|-----------------------|-------------------------------------------------------------------------------|--------------|------|---------------------------------|----------------------------|
| UPC NO       |                       | 106136                                                                        | SCOPE        |      | Reconstruction w/Added Capacity |                            |
| SYSTEM       |                       | Primary                                                                       | JURISDICTION |      | Albemarle County                | OVERSIGHT<br>FO            |
| PROJECT      |                       | US-29 RIO ROAD GRADE SEPARATED INTERSECTION                                   |              |      |                                 | ADMIN BY<br>VDOT           |
| DESCRIPTION  |                       | FROM: ROUTE 851 (DOMINION DRIVE) TO: ROUTE 1417 (WOODBROOK DRIVE) (1.0000 MI) |              |      |                                 |                            |
| PROGRAM NOTE |                       | LINKED WITH UPC 77383 & 106137                                                |              |      |                                 |                            |
| ROUTE/STREET |                       | SEMINOLE TRAIL (0029)                                                         |              |      |                                 | TOTAL COST<br>\$66,463,579 |
|              | FUNDING SOURCE        | MATCH                                                                         | FY24         | FY25 | FY26                            | FY27                       |
| RW AC        | Federal – AC<br>OTHER | \$0                                                                           | \$5,901,475  | \$0  | \$0                             | \$0                        |
| CN AC        | Federal – AC<br>OTHER | \$0                                                                           | \$4,829,920  | \$0  | \$0                             | \$0                        |
| MPO Notes    |                       | Part of the Route 29 Solutions Project. Complete waiting closeout.            |              |      |                                 |                            |

## Secondary Projects

|              |                                                                       |              |                                           |           |      |
|--------------|-----------------------------------------------------------------------|--------------|-------------------------------------------|-----------|------|
| UPC NO       | 111779                                                                | SCOPE        | Bridge Replacement without Added Capacity |           |      |
| SYSTEM       | Secondary                                                             | JURISDICTION | Albemarle County                          | OVERSIGHT | NFO  |
| PROJECT      | Rte. 702 – Bridge Replacement Str. 6401                               |              |                                           | ADMIN BY  | VDOT |
| DESCRIPTION  | FROM: 0.04 MI. W. MOREY CREEK TO: 0.04 MI. E. MOREY CREEK (0.0800 MI) |              |                                           |           |      |
| PROGRAM NOTE |                                                                       |              |                                           |           |      |

|                |                                                                    |      |      |      |            |             |
|----------------|--------------------------------------------------------------------|------|------|------|------------|-------------|
| ROUTE/STREET   | FONTAINE AVE EXT (0702)                                            |      |      |      | TOTAL COST | \$3,499,960 |
| FUNDING SOURCE | MATCH                                                              | FY24 | FY25 | FY26 | FY27       |             |
|                | \$0                                                                | \$0  | \$0  | \$0  | \$0        |             |
| MPO Notes      | Part of the Route 29 Solutions Project. Complete waiting closeout. |      |      |      |            |             |

|              |                                                                    |              |                          |            |              |      |
|--------------|--------------------------------------------------------------------|--------------|--------------------------|------------|--------------|------|
| UPC NO       | 106137                                                             | SCOPE        | New Construction Roadway |            |              |      |
| SYSTEM       | Secondary                                                          | JURISDICTION | Albemarle County         | OVERSIGHT  | NFO          |      |
| PROJECT      | BERKMAR DRIVE EXTENDED (CONSTRUCTION OF NEW ROADWAY)               |              |                          | ADMIN BY   | VDOT         |      |
| DESCRIPTION  | FROM: HILTON HEIGHTS ROAD TO: TOWNCENTER DRIVE (2.3000 MI)         |              |                          |            |              |      |
| PROGRAM NOTE | LINKED WITH UPC 77383 & 106136                                     |              |                          |            |              |      |
| ROUTE/STREET | BERKMAR DRIVE EXTENDED (1403)                                      |              |                          | TOTAL COST | \$46,211,254 |      |
|              | FUNDING SOURCE                                                     | MATCH        | FY24                     | FY25       | FY26         | FY27 |
|              |                                                                    | \$0          | \$0                      | \$0        | \$0          | \$0  |
| MPO Notes    | Part of the Route 29 Solutions Project. Complete waiting closeout. |              |                          |            |              |      |

## Urban Projects

|              |                         |                                                                                                                                                                                                                           |             |              |           |                 |            |      |
|--------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-----------|-----------------|------------|------|
| UPC NO       |                         | 110381                                                                                                                                                                                                                    |             | SCOPE        |           |                 |            |      |
| SYSTEM       |                         | Urban                                                                                                                                                                                                                     |             | JURISDICTION |           | Charlottesville | OVERSIGHT  | NFO  |
| PROJECT      |                         | #HB2.FY17 EMMET ST. STR SCAPE & INTSECT GARVEE DEBT SERVICE                                                                                                                                                               |             |              |           |                 | ADMIN BY   | VDOT |
| DESCRIPTION  |                         |                                                                                                                                                                                                                           |             |              |           |                 |            |      |
| PROGRAM NOTE |                         | FFY25-01 STIP ADJ - release \$182,756 (NHPP) FFY24, release \$200,287 (ACC-NHPP) FFY25, add an addit'l \$39,400 (ACC-NHPP) FFY26, add an addit'l \$40,061 (ACC-NHPP) FFY27                                                |             |              |           |                 |            |      |
| ROUTE/STREET |                         | 0000                                                                                                                                                                                                                      |             |              |           |                 | TOTAL COST |      |
|              | FUNDING SOURCE          | MATCH                                                                                                                                                                                                                     | FY24        | FY25         | FY26      | FY27            |            |      |
| PE           | Federal – AC CONVERSION | \$0                                                                                                                                                                                                                       | \$0         | \$0          | \$388,578 | \$356,493       |            |      |
|              | Federal – NHS/NHPP      | \$0                                                                                                                                                                                                                       | \$199,407   | \$180,134    | \$0       | \$0             |            |      |
| PE           | TOTAL                   | \$0                                                                                                                                                                                                                       | \$199,407   | \$180,134    | \$388,578 | \$356,493       |            |      |
| PE AC        | Federal - AC            | \$0                                                                                                                                                                                                                       | \$2,424,098 | \$215,081    | \$0       | \$0             |            |      |
| MPO Notes    |                         | Adjustment 10. The project is behind schedule which reduced the amount of money that we were borrowing. Therefore, the interest payments were reduced, allowing the release of the federal obligations for FY24 and FY25. |             |              |           |                 |            |      |

## Old Table

|              |                         |                                                                                                                                                                                                                                                                                                                                                                                |              |                 |            |             |
|--------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|------------|-------------|
| UPC NO       |                         | 110381                                                                                                                                                                                                                                                                                                                                                                         | SCOPE        |                 |            |             |
| SYSTEM       |                         | Urban                                                                                                                                                                                                                                                                                                                                                                          | JURISDICTION | Charlottesville | OVERSIGHT  | NFO         |
| PROJECT      |                         | #HB2.FY17 EMMET ST. STR SCAPE & INTSECT GARVEE DEBT SERVICE                                                                                                                                                                                                                                                                                                                    |              |                 | ADMIN BY   | VDOT        |
| DESCRIPTION  |                         |                                                                                                                                                                                                                                                                                                                                                                                |              |                 |            |             |
| PROGRAM NOTE |                         | Includes \$1,552,308 GARVEE Debt Service Interest Prev, \$382,163 GARVEE Debt Service Interest FFY24, \$380,421 GARVEE Debt Service Interest FFY25, \$349,178 GARVEE Debt Service Interest FFY26, \$316,432 GARVEE Debt Service Interest FFY27, \$1,378,067 GARVEE Debt Service Interest FFY28-38. Total GARVEE Debt Service Interest \$4,358,569. Corresponding CN UPC 109551 |              |                 |            |             |
| ROUTE/STREET |                         | 0000                                                                                                                                                                                                                                                                                                                                                                           |              |                 | TOTAL COST | \$8,138,624 |
|              | FUNDING SOURCE          | MATCH                                                                                                                                                                                                                                                                                                                                                                          | FY24         | FY25            | FY26       | FY27        |
| PE           | Federal – AC CONVERSION | \$0                                                                                                                                                                                                                                                                                                                                                                            | \$0          | \$380,421       | \$349,178  | \$316,432   |
|              | Federal – NHS/NHPP      | \$0                                                                                                                                                                                                                                                                                                                                                                            | \$382,163    | \$0             | \$0        | \$0         |
| PE           | TOTAL                   | \$0                                                                                                                                                                                                                                                                                                                                                                            | \$382,163    | \$380,421       | \$349,178  | \$316,432   |

|           |              |                     |             |     |     |     |
|-----------|--------------|---------------------|-------------|-----|-----|-----|
| PE<br>AC  | Federal - AC | \$0                 | \$2,424,098 | \$0 | \$0 | \$0 |
| MPO Notes |              | Smart Scale project |             |     |     |     |

|              |                    |                                                                                                                 |              |             |                                       |               |
|--------------|--------------------|-----------------------------------------------------------------------------------------------------------------|--------------|-------------|---------------------------------------|---------------|
| UPC NO       |                    | 75878                                                                                                           | SCOPE        |             | Bridge Replacement w/o Added Capacity |               |
| SYSTEM       |                    | Urban                                                                                                           | JURISDICTION |             | Charlottesville                       | OVERSIGHT NFO |
| PROJECT      |                    | #SGR – RTE 20 – BRIDGE REPLACEMENT                                                                              |              |             | ADMIN BY                              | Locally       |
| DESCRIPTION  |                    | FROM: GARRETT ST/LEVY AVE (0.173 mi south of Water St.) TO: EAST MARKET ST (0.095 north of Water St) (0.2680MI) |              |             |                                       |               |
| PROGRAM NOTE |                    |                                                                                                                 |              |             |                                       |               |
| ROUTE/STREET |                    | 9 <sup>TH</sup> ST NE (0020)                                                                                    |              |             | TOTAL COST                            | \$38,078,180  |
|              | FUNDING SOURCE     | MATCH                                                                                                           | FY24         | FY25        | FY26                                  | FY27          |
| PE           | Federal-STP/STBP   | \$44,502                                                                                                        | \$178,006    | \$0         | \$0                                   | \$0           |
| RW           | Federal-STP/STBG   | \$0                                                                                                             | (\$249,678)  | \$0         | \$0                                   | \$0           |
| CN           | Federal – NHS/NHPP | \$0                                                                                                             | \$4,280,739  | \$0         | \$0                                   | \$0           |
|              | Federal – STP/STBG | \$0                                                                                                             | \$0          | \$2,656,780 | \$0                                   | \$0           |
|              | Other              | \$6,160,904                                                                                                     | \$6,160,904  | \$0         | \$0                                   | \$0           |
| CN TOTAL     |                    | \$6,160,904                                                                                                     | \$10,441,643 | \$2,656,780 | \$0                                   | \$0           |
| CN AC        | Federal – AC Other | \$0                                                                                                             | \$13,745,208 | \$0         | \$0                                   | \$0           |
| MPO Notes    |                    |                                                                                                                 |              |             |                                       |               |

|              |                       |                                                                                                                     |              |      |                          |            |              |
|--------------|-----------------------|---------------------------------------------------------------------------------------------------------------------|--------------|------|--------------------------|------------|--------------|
| UPC NO       |                       | 60233                                                                                                               | SCOPE        |      | New Construction Roadway |            |              |
| SYSTEM       |                       | Urban                                                                                                               | JURISDICTION |      | Charlottesville          | OVERSIGHT  | NFO          |
| PROJECT      |                       | HILLSDALE DRIVE EXTENDED (3 LANES)                                                                                  |              |      |                          | ADMIN BY   | Locally      |
| DESCRIPTION  |                       | FROM: GREENBRIER DRIVE TO: HYDRAULIC ROAD (0.8500 MI)                                                               |              |      |                          |            |              |
| PROGRAM NOTE |                       |                                                                                                                     |              |      |                          |            |              |
| ROUTE/STREET |                       | HILLSDALE DRIVE (U000)                                                                                              |              |      |                          | TOTAL COST | \$27,081,640 |
|              | FUNDING SOURCE        | MATCH                                                                                                               | FY24         | FY25 | FY26                     | FY27       |              |
| RW AC        | Federal – AC<br>OTHER | \$0                                                                                                                 | \$548,132    | \$0  | \$0                      | \$0        |              |
| CN AC        | Federal – AC<br>OTHER | \$0                                                                                                                 | \$13,605,896 | \$0  | \$0                      | \$0        |              |
| MPO Notes    |                       | Rt 29 Solutions project. Finished, waiting financial close out. Added new road, realigned to tie into Hydraulic Rd. |              |      |                          |            |              |

## Project Groupings

|              |                       |                                                                |           |             |             |             |
|--------------|-----------------------|----------------------------------------------------------------|-----------|-------------|-------------|-------------|
| GROUPING     |                       | Construction: Bridge Rehabilitation/Replacement/Reconstruction |           |             |             |             |
| ROUTE/STREET |                       |                                                                |           |             | TOTAL COST  | \$9,624,826 |
|              | FUNDING SOURCE        | MATCH                                                          | FY24      | FY25        | FY26        | FY27        |
| RW<br>AC     | Federal – AC<br>OTHER | \$0                                                            | \$180,000 | \$0         | \$0         | \$0         |
| CN           | Federal – BR          | \$225,493                                                      | \$0       | \$901,970   | \$0         | \$0         |
| CN<br>AC     | Federal – AC<br>OTHER | \$0                                                            | \$0       | \$3,138,620 | \$1,329,631 | \$0         |
| MPO Notes    |                       |                                                                |           |             |             |             |

|              |                |                                                   |      |      |            |               |
|--------------|----------------|---------------------------------------------------|------|------|------------|---------------|
| GROUPING     |                | Construction: Safety/ITS/Operational Improvements |      |      |            |               |
| ROUTE/STREET |                |                                                   |      |      | TOTAL COST | \$243,333,199 |
|              | FUNDING SOURCE | MATCH                                             | FY24 | FY25 | FY26       | FY27          |

|                 |                         |                    |                    |                     |                    |            |
|-----------------|-------------------------|--------------------|--------------------|---------------------|--------------------|------------|
| PE              | Federal – NHS/NHPP      | \$359,838          | \$1,439,351        | \$0                 | \$0                | \$0        |
|                 | Federal – STP/STBG      | \$188,821          | \$0                | \$558,344           | \$196,940          | \$0        |
| <b>PE TOTAL</b> |                         | <b>\$548,659</b>   | <b>\$1,439,351</b> | <b>\$558,344</b>    | <b>\$196,940</b>   | <b>\$0</b> |
| PE AC           | Federal – AC OTHER      | \$0                | \$0                | \$1,358,602         | \$1,020,168        | \$0        |
| RW              | Federal – AC CONVERSION | \$8,500            | \$76,500           | \$0                 | \$0                | \$0        |
|                 | Federal – HSIP          | \$7,339            | \$66,051           | \$0                 | \$0                | \$0        |
|                 | Federal – NHPP/E        | \$116,080          | \$0                | \$464,319           | \$0                | \$0        |
|                 | Federal – NHS/NHPP      | \$1,167,127        | \$683,924          | \$3,984,583         | \$0                | \$0        |
|                 | Federal – STP/STBG      | \$1,062,923        | \$658,812          | \$574,453           | \$3,018,427        | \$0        |
| <b>RW TOTAL</b> |                         | <b>\$2,361,969</b> | <b>\$1,485,287</b> | <b>\$5,023,355</b>  | <b>\$3,018,427</b> | <b>\$0</b> |
| RW AC           | Federal – AC OTHER      | \$0                | \$1,076,520        | \$472,543           | \$0                | \$0        |
| CN              | Federal – AC CONVERSION | \$656,127          | \$62,696           | \$0                 | \$2,596,643        | \$0        |
|                 | Federal - DEMO          | \$1,842            | \$0                | \$7,368             | \$0                | \$0        |
|                 | Federal – HSIP          | \$427,472          | \$233,352          | \$3,613,900         | \$0                | \$0        |
|                 | Federal – NHPP/E        | \$589,583          | \$0                | \$200,000           | \$2,158,332        | \$0        |
|                 | Federal – NHS/NHPP      | \$3,215,896        | \$1,785,690        | \$10,227,915        | \$849,980          | \$0        |
|                 | Federal – STP/STBG      | \$365,300          | \$319,784          | \$246,860           | \$894,555          | \$0        |
| <b>CN TOTAL</b> |                         | <b>\$5,256,220</b> | <b>\$2,401,522</b> | <b>\$14,296,043</b> | <b>\$6,499,510</b> | <b>\$0</b> |
| CN AC           | Federal – AC OTHER      | \$0                | \$28,744,480       | \$11,105,149        | \$2,967,848        | \$0        |
| MPO Notes       |                         |                    |                    |                     |                    |            |

| GROUPING        |                         | Construction: Transportation Enhancement/Byway/Non-Traditional |                    |                  |                  |              |
|-----------------|-------------------------|----------------------------------------------------------------|--------------------|------------------|------------------|--------------|
| ROUTE/STREET    |                         |                                                                |                    |                  | TOTAL COST       | \$10,365,594 |
|                 | FUNDING SOURCE          | MATCH                                                          | FY24               | FY25             | FY26             | FY27         |
| PE              | Federal – AC CONVERSION | \$16,769                                                       | \$67,074           | \$0              | \$0              | \$0          |
| RW              | Federal – AC CONVERSION | \$110,162                                                      | \$0                | \$200,000        | \$240,648        | \$0          |
|                 | Federal – STP/STBG      | \$269,745                                                      | \$1,078,978        | \$0              | \$0              | \$0          |
| <b>RW TOTAL</b> |                         | <b>\$379,907</b>                                               | <b>\$1,078,978</b> | <b>\$200,000</b> | <b>\$240,000</b> | <b>\$0</b>   |
| RW AC           | Federal – AC OTHER      | \$0                                                            | \$550,811          | \$0              | \$0              | \$0          |
| CN              | Federal – STP/STBG      | \$1,211,394                                                    | \$0                | \$4,845,576      | \$0              | \$0          |
|                 | Federal – AC OTHER      | \$0                                                            | \$0                | \$0              | \$300,811        | \$0          |
| MPO Notes       |                         |                                                                |                    |                  |                  |              |

| GROUPING     |                         | Maintenance: Preventive Maintenance and System Preservation                 |      |           |            |              |
|--------------|-------------------------|-----------------------------------------------------------------------------|------|-----------|------------|--------------|
| PROGRAM NOTE |                         | Funding identified to be obligated districtwide as projects are identified. |      |           |            |              |
| ROUTE/STREET |                         |                                                                             |      |           | TOTAL COST | \$49,752,817 |
|              | FUNDING SOURCE          | MATCH                                                                       | FY24 | FY25      | FY26       | FY27         |
| CN           | Federal – AC CONVERSION | \$0                                                                         | \$0  | \$851,879 | \$0        | \$0          |

|                 |                    |     |              |              |              |              |
|-----------------|--------------------|-----|--------------|--------------|--------------|--------------|
|                 | Federal - NHS/NHPP | \$0 | \$5,150,000  | \$0          | \$0          | \$0          |
|                 | Federal – STP/STBG | \$0 | \$10,482,284 | \$10,525,317 | \$10,569,082 | \$10,613,591 |
| <b>CN TOTAL</b> |                    | \$0 | \$15,632,284 | \$11,377,196 | \$10,569,082 | \$10,613,591 |
| CN AC           | Federal – AC OTHER | \$0 | \$1,560,664  | \$0          | \$0          | \$0          |
| MPO Notes       |                    |     |              |              |              |              |

|                     |                       |                                                                                                    |             |             |                   |              |
|---------------------|-----------------------|----------------------------------------------------------------------------------------------------|-------------|-------------|-------------------|--------------|
| <b>GROUPING</b>     |                       | Maintenance: Preventive Maintenance for Bridges                                                    |             |             |                   |              |
| <b>PROGRAM NOTE</b> |                       | Funding identified to be obligated districtwide as projects are identified.                        |             |             |                   |              |
| <b>ROUTE/STREET</b> |                       |                                                                                                    |             |             | <b>TOTAL COST</b> | \$18,387,625 |
|                     | <b>FUNDING SOURCE</b> | <b>MATCH</b>                                                                                       | <b>FY24</b> | <b>FY25</b> | <b>FY26</b>       | <b>FY27</b>  |
| CN                  | Federal - NHFP        | \$0                                                                                                | \$1,877,503 | \$1,877,503 | \$1,877,503       | \$1,877,503  |
|                     | Federal - NHS/NHPP    | 0                                                                                                  | \$528,620   | \$528,620   | \$528,620         | \$528,620    |
|                     | Federal – STP/STBG    | \$0                                                                                                | \$1,842,277 | \$2,521,999 | \$2,195,033       | \$2,203,824  |
| <b>CN TOTAL</b>     |                       | \$0                                                                                                | \$4,248,400 | \$4,928,122 | \$4,601,156       | \$4,609,947  |
| MPO Notes           |                       | Adjustment #14 Update to reflect FFY25-08 STIP ADJ - move \$335,611 (STP/STBG) from FFY24 to FFY25 |             |             |                   |              |

### Old Table

|                     |                       |                                                                             |             |             |                   |              |
|---------------------|-----------------------|-----------------------------------------------------------------------------|-------------|-------------|-------------------|--------------|
| <b>GROUPING</b>     |                       | Maintenance: Preventive Maintenance for Bridges                             |             |             |                   |              |
| <b>PROGRAM NOTE</b> |                       | Funding identified to be obligated districtwide as projects are identified. |             |             |                   |              |
| <b>ROUTE/STREET</b> |                       |                                                                             |             |             | <b>TOTAL COST</b> | \$18,387,625 |
|                     | <b>FUNDING SOURCE</b> | <b>MATCH</b>                                                                | <b>FY24</b> | <b>FY25</b> | <b>FY26</b>       | <b>FY27</b>  |
| CN                  | Federal - NHFP        | \$0                                                                         | \$1,877,503 | \$1,877,503 | \$1,877,503       | \$1,877,503  |
|                     | Federal - NHS/NHPP    | 0                                                                           | \$528,620   | \$528,620   | \$528,620         | \$528,620    |
|                     | Federal – STP/STBG    | \$0                                                                         | \$2,177,888 | \$2,186,388 | \$2,195,033       | \$2,203,824  |
| <b>CN TOTAL</b>     |                       | \$0                                                                         | \$4,584,011 | \$4,592,511 | \$4,601,156       | \$4,609,947  |
| MPO Notes           |                       |                                                                             |             |             |                   |              |

|                     |                       |                                                                             |             |             |                   |             |
|---------------------|-----------------------|-----------------------------------------------------------------------------|-------------|-------------|-------------------|-------------|
| <b>GROUPING</b>     |                       | Maintenance: Traffic and Safety Operations                                  |             |             |                   |             |
| <b>PROGRAM NOTE</b> |                       | Funding identified to be obligated districtwide as projects are identified. |             |             |                   |             |
| <b>ROUTE/STREET</b> |                       |                                                                             |             |             | <b>TOTAL COST</b> | \$8,237,514 |
|                     | <b>FUNDING SOURCE</b> | <b>MATCH</b>                                                                | <b>FY24</b> | <b>FY25</b> | <b>FY26</b>       | <b>FY27</b> |
| CN                  | Federal – STP/STBG    | \$0                                                                         | \$2,046,632 | \$2,055,034 | \$2,063,579       | \$2,072,269 |

## Rail Projects

|              |                                                                                                                                                                                          |              |                                             |            |               |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------|------------|---------------|
| UPC NO       | 124309/120532                                                                                                                                                                            | SCOPE        | Operational expenses related to two trains. |            |               |
| SYSTEM       | Primary                                                                                                                                                                                  | JURISDICTION | Charlottesville-Albemarle MPO               | OVERSIGHT  | NFO           |
| PROJECT      | Virginia State-Supported Amtrak Operations                                                                                                                                               |              |                                             | ADMIN BY   | VPRA          |
| DESCRIPTION  | Operating expenses for two trains on the Roanoke route (Route 46). The cost included is only for a portion of the route and a portion of the train costs estimated for the jurisdiction. |              |                                             |            |               |
| PROGRAM NOTE | TIP AMD - FY 2024-2027 Transportation Improvement Program (TIP) Amendment – Virginia State-Support Amtrak Operations                                                                     |              |                                             |            |               |
| ROUTE/STREET | Roanoke Operations (Route 46)                                                                                                                                                            |              |                                             | TOTAL COST | \$22,170,853* |

|           | FUNDING SOURCE | Previous Funding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FY24        | FY25        | FY26        | FY27        | Total FY24-27 |
|-----------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|---------------|
| PE        | Federal CMAQ   | \$0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$1,701,699 | \$1,771,225 | \$1,904,175 | \$1,982,655 | \$7,359,754   |
| PE        | State CMAQ     | \$0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$425,425   | \$442,806   | \$476,044   | \$495,664   | \$1,839,938   |
| PE        | VPRA           | \$3,771,469                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$2,127,123 | \$2,214,031 | \$2,380,219 | \$2,478,318 | \$9,199,692   |
| MPO Notes |                | <p>FHWA considers the CMAQ-funded Amtrak projects to be exempt from air quality conformity requirements as the funding is going towards "operating assistance," which is specifically listed as being exempt in Table 2 of EPA's Transportation conformity rule.</p> <p>* Total cost includes operating expenses from previous funding and estimated expenses through FY27 as these are operating expenses without an end date.</p> <p>*Amendment #1: The CA-MPO Policy Board approved addition of this project to the TIP on August 23, 2023.</p> <p>Adjustment #4: This project is being removed from the CA-MPO TIP and being replaced by the statewide projects described in Amendment #13 (UPC 120532) and #14 (UPC 124309).(4/5/24)</p> |             |             |             |             |               |

|              |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |           |            |                |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|------------|----------------|
| UPC NO       | 120532                                                                                                                                                                                                                                                  | SCOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other         |           |            |                |
| SYSTEM       | Miscellaneous                                                                                                                                                                                                                                           | JURISDICTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Statewide     |           |            | OVERSIGHT NFO  |
| PROJECT      | #SMART22 #I81CIP - INTERCITY RAIL SERVICE EXPANSION                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |           | ADMIN BY   | DRPT           |
| DESCRIPTION  | FROM: NA TO: NA                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |           |            |                |
| PROGRAM NOTE | TIP AMD - FY 2024-2027 Transportation Improvement Program (TIP) Amendment – add \$15,296,413 (CM), \$232,218,890 (Other: State) & \$4,688,475 (AC-CM) FFY24, add \$670,243 (ACC-CM) FFY25, add \$819,001 (ACC-CM) FFY26, add \$3,199,231 (ACC-CM) FFY27 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |           |            |                |
| ROUTE/STREET | NA (9999)                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |           | TOTAL COST | \$257,200,000* |
|              | FUNDING SOURCE                                                                                                                                                                                                                                          | Match                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FY24          | FY25      | FY26       | FY27           |
| CN           | Federal – AC CONVERSION                                                                                                                                                                                                                                 | \$1,172,119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$0           | \$670,243 | \$819,001  | \$3,199,231    |
|              | Federal - CMAQ                                                                                                                                                                                                                                          | \$3,824,103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$15,296,413  | \$0       | \$0        | \$0            |
|              | Other                                                                                                                                                                                                                                                   | \$0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$232,218,890 | \$0       | \$0        | \$0            |
| CN TOTAL     |                                                                                                                                                                                                                                                         | \$4,996,222                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$247,515,303 | \$670,243 | \$819,001  | \$3,199,231    |
| CN AC        | Federal - AC                                                                                                                                                                                                                                            | \$1,172,119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$4,688,475   | \$0       | \$0        | \$0            |
| MPO Notes    |                                                                                                                                                                                                                                                         | <p>*Adjustment #5: This is a multi-regional intercity rail service expansion project. Project description as submitted in the CTB's SMART SCALE application: The rail capacity improvements include network fluidity improvements between Manassas and Roanoke, including the construction of an approximately 7 mile siding between Nokesville and Calverton; passenger rail bypass tracks and other improvements to the NS Roanoke West yard; acquisition of the Virginian line between Salem and Christiansburg; and signal and speed improvements between Christiansburg and Salem, VA. The funding indicated here represents funding that is allocated statewide, a portion of which will be allocated within the Charlottesville-Albemarle MPO. (4/5/24)</p> |               |           |            |                |

|              |                                                                                                                                                                                      |              |           |              |              |                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|--------------|--------------|----------------|
| UPC NO       | 124309                                                                                                                                                                               | SCOPE        | Other     |              |              |                |
| SYSTEM       | Miscellaneous                                                                                                                                                                        | JURISDICTION | Statewide |              |              | OVERSIGHT NFO  |
| PROJECT      | Transforming Rail in Virginia / VPRA                                                                                                                                                 |              |           |              | ADMIN BY     | DRPT           |
| DESCRIPTION  | FROM: 0 TO: 0                                                                                                                                                                        |              |           |              |              |                |
| PROGRAM NOTE | TIP AMD - add \$81,901,009 (CM), \$43,296,138 (AC-CM) & \$117,578,455 (Other: State) FFY24, add \$19,197,761 (ACC-CM) FFY25, \$22,302,363 (ACC-CM) FFY26, \$1,796,014 (ACC-CM) FFY27 |              |           |              |              |                |
| ROUTE/STREET | 9999                                                                                                                                                                                 |              |           |              | TOTAL COST   | \$274,074,889* |
|              | FUNDING SOURCE                                                                                                                                                                       | Match        | FY24      | FY25         | FY26         | FY27           |
| PE           | Federal – AC CONVERSION                                                                                                                                                              | \$10,824,035 | \$0       | \$19,197,761 | \$22,302,363 | \$1,796,014    |

|           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |              |              |             |
|-----------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|--------------|-------------|
|           | Federal - CMAQ | \$20,475,252                                                                                                                                                                                                                                                                                                                                                                                                                     | \$81,901,009  | \$0          | \$0          | \$0         |
|           | Other          | \$0                                                                                                                                                                                                                                                                                                                                                                                                                              | \$117,578,455 | \$0          | \$0          | \$0         |
| PE TOTAL  |                | \$31,299,287                                                                                                                                                                                                                                                                                                                                                                                                                     | \$199,479,464 | \$19,197,761 | \$22,302,363 | \$1,796,014 |
| PE AC     | Federal - AC   | \$10,824,035                                                                                                                                                                                                                                                                                                                                                                                                                     | \$43,296,138  | \$0          | \$0          | \$0         |
| MPO Notes |                | *Adjustment #6: This is funding is coupled with UPC 120532 to support intercity rail service improvements and expansion between Roanoke and Washington, DC, Richmond, Newport News, and Norfolk, and extend Amtrak service from Roanoke to the New River Valley. The funding indicated here represents funding that allocated statewide, a portion of which will be allocated within the Charlottesville-Albemarle MPO. (4/5/24) |               |              |              |             |

## CAT Summary

Note: Numbers are reflected in thousands.

The following tables are based on CAT's FY2020 Transit Development Plan (TDP). The TDP serves as a guide regarding the ongoing and future operations of CAT. It provides a review of CAT's operational performance and objectives to direct performance improvements and expansions. All amounts are reported in units of \$1,000.

| Charlottesville Transit | Previous Funding | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Total FY2024-2027 |              |
|-------------------------|------------------|---------|---------|---------|---------|-------------------|--------------|
| FTA 5307                | 2,867            | 2,867   | 2,954   | 2,983   | 2,998   | FTA 5307          | FTA 5307     |
| FTA 5307-JAUNT          | 957              | 957     | 971     | 986     | 1,000   | FTA 5307-JAUNT    | FTA 5310     |
| FTA 5339                | 1,665            | 2,227   | 1,530   | 1,240   | 1,171   | FTA 5339          | FTA 5311     |
| State                   | 7,313            | 8,733   | 6,859   | 5,970   | 5,805   | State             | FTA 5337     |
| Local                   | 3,927            | 4,565   | 5,582   | 6,742   | 6,422   | Local             | FTA 5339     |
| Revenues                | 107              | 110     | 112     | 115     | 118     | Revenues          | FTA ADTAP    |
| <i>Totals</i>           | 16,836           | 19,459  | 18,008  | 18,036  | 17,514  |                   | Flexible STP |

*This summary table was updated to reflect the modifications and amendments that were approved by the MPO Policy Board on January 24, 2024. Funding sources shown in the original summary table that were not programmed were removed.*

| Charlottesville Transit | Previous Funding | FY 2024       | FY 2025       | FY 2026       | FY 2027       | Total FY2024-2027 |                |
|-------------------------|------------------|---------------|---------------|---------------|---------------|-------------------|----------------|
| FTA 5307                | 5,410            | 5,414         | 5,171         | 5,485         | 4,024         | FTA 5307          | <b>20,094</b>  |
| FTA 5310                |                  | 103           | 163           | 169           | 178           | FTA 5310          | <b>613</b>     |
| FTA 5311                | 4,170            | 4,104         | 4,282         | 3,823         | 3,775         | FTA 5311          | <b>15,984</b>  |
| FTA 5337                |                  |               |               |               |               | FTA 5337          |                |
| FTA 5339                | 1,665            | 1,984         | 1,530         | 1,265         | 27            | FTA 5339          | <b>4,806</b>   |
| FTA ADTAP               |                  |               |               |               |               | FTA ADTAP         |                |
| Flexible STP            |                  |               |               |               |               | Flexible STP      |                |
| RSTP                    |                  |               |               |               |               | RSTP              |                |
| Other Federal           | 68               |               |               |               |               | Other Federal     |                |
| State                   | 10,431           | 9,590         | 8,426         | 7,502         | 4,542         | State             | <b>30,060</b>  |
| Local                   | 9,815            | 11,785        | 13,186        | 13,120        | 14,370        | Local             | <b>52,461</b>  |
| Revenues                | 697              | 506           | 409           | 424           | 906           | Revenues          | <b>2,245</b>   |
| <b>Totals</b>           | <b>32,256</b>    | <b>33,486</b> | <b>33,167</b> | <b>31,788</b> | <b>27,822</b> |                   | <b>126,263</b> |

*This was the original summary table that was produced when the TIP was adopted by the MPO Policy Board. It was erroneously included as the CAT Summary even though it reflects funding received by both CAT and Jaunt. The original table remains in the TIP as historical documentation.*

|                    | Previous Funding                                                                                                                                                                                                                                                                            | FY2024                             | FY2025        | FY2026        | FY2027        | Total FY2024-FY2027 |                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------|---------------|---------------|---------------------|-------------------------------------|
| <b>TIP ID:</b>     | <b>CAT0001</b>                                                                                                                                                                                                                                                                              | <b>Title: Operating Assistance</b> |               |               |               | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5307           | 337                                                                                                                                                                                                                                                                                         | 4,833                              | 2,954         | 2,983         | 2,998         | FTA 5307            | 13,768                              |
| FTA 5307-JAUNT     | 957                                                                                                                                                                                                                                                                                         | 1,611                              | 971           | 986           | 1,000         | FTA 5307-JAUNT      | 4,568                               |
| FTA 5307-ARP       | 3,831                                                                                                                                                                                                                                                                                       | 592                                | 1,297         | 276           | -             | FTA 5307-ARP        | 2,165                               |
| State              | 3,231                                                                                                                                                                                                                                                                                       | 3,302                              | 2,789         | 2,601         | 2,601         | State               | 11,293                              |
| Local              | 3,514                                                                                                                                                                                                                                                                                       | 4,167                              | 6,271         | 6,835         | 6,835         | Local               | 24,108                              |
| Revenues           | 107                                                                                                                                                                                                                                                                                         | 110                                | 112           | 115           | 118           | Revenues            | 455                                 |
| <b>Year Total:</b> | <b>11,977</b>                                                                                                                                                                                                                                                                               | <b>14,615</b>                      | <b>14,394</b> | <b>13,796</b> | <b>13,552</b> | <b>Total Funds:</b> | <b>56,357</b>                       |
| Description:       | Adjustment #7: The previous funding were budgetary and this adjustment changed them to actuals.<br>Adjustment #1: This block was modified to include the 5307 funding that CAT passes through to Jaunt as the sub-recipient operating CAT's paratransit services within the urbanized area. |                                    |               |               |               |                     |                                     |

|                  | Previous Funding                                                                                                                                                                         | FY2024                             | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b>   | <b>CAT0001</b>                                                                                                                                                                           | <b>Title: Operating Assistance</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5307         | 2,867                                                                                                                                                                                    | 2,867                              | 2,954  | 2,983  | 2,998  | FTA 5307            | 11,802                              |
| FTA 5307 - Jaunt | 957                                                                                                                                                                                      | 957                                | 971    | 986    | 1,000  | Flexible STP        | 3,914                               |
| FTA 5307 - ARP   | 1,586                                                                                                                                                                                    | 1,788                              | 1,361  | 1,338  | -      |                     | 4,487                               |
| State            | 3,231                                                                                                                                                                                    | 3,302                              | 3,113  | 2,925  | 2,925  | State               | 12,265                              |
| Local            | 3,514                                                                                                                                                                                    | 4,167                              | 5,368  | 5,710  | 5,710  | Local               | 20,955                              |
| Revenues         | 107                                                                                                                                                                                      | 110                                | 112    | 115    | 118    | Revenues            | 455                                 |
| Year Total       | 12,262                                                                                                                                                                                   | 2,867                              | 2,954  | 2,983  | 2,998  | Year Total          | 53,878                              |
| Description:     | Adjustment #1: This block was modified to include the 5307 funding that CAT passes through to Jaunt as the sub-recipient operating CAT's paratransit services within the urbanized area. |                                    |        |        |        |                     |                                     |

|                | Previous<br>Funding | FY2024                             | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|---------------------|------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0001</b>      | <b>Title: Operating Assistance</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5307       | 4,453               | 4,463                              | 4,210  | 4,514  | 3,043  | FTA 5307            | 16,229                              |
| Flexible STP   | -                   | -                                  | -      | -      | -      | Flexible STP        | -                                   |
| State          | 3,231               | 3,106                              | 2,972  | 2,839  | 2,896  | State               | 11,813                              |
| Local          | 3,514               | 4,125                              | 5,252  | 5,325  | 6,525  | Local               | 21,227                              |
| Revenues       | 107                 | 110                                | 113    | 115    | 585    | Revenues            | 922                                 |
| Year Total     | 11,305              | 11,804                             | 12,546 | 12,793 | 13,049 | Year Total          | 50,191                              |
| Description:   |                     |                                    |        |        |        |                     |                                     |

|                | Previous Funding                                                                                                                                                                       | FY2024                                  | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0002</b>                                                                                                                                                                         | <b>Title: Expansion - Rolling Stock</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5339       | 519                                                                                                                                                                                    | 672                                     | 984    | 800    | -      | FTA 5339            | 2,456                               |
| State          | 1,262                                                                                                                                                                                  | 1,632                                   | 2,389  | 1,942  | -      | State               | 5,963                               |
| Local          | 74                                                                                                                                                                                     | 96                                      | 140    | 114    | -      | Local               | 350                                 |
| Year Total     | 1,855                                                                                                                                                                                  | 2,400                                   | 3,513  | 2,856  | -      | Year Total          | 8,769                               |
| Description:   | Adjustment #2: This block was modified to update the FY2024 amounts based on actual funding allocations and increase the amounts anticipated in FY26 based on agency funding requests. |                                         |        |        |        |                     |                                     |

|                | Previous Funding | FY2024                                  | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------|-----------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0002</b>   | <b>Title: Expansion - Rolling Stock</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| Flexible STP   | -                | -                                       | -      | -      | -      | Flexible STP        | -                                   |
| FTA 5339       | 520              | 621                                     | 984    | 577    | -      | FTA 5339            | 2,182                               |
| State          | 1,262            | 1,508                                   | 2,389  | 1,401  | -      | State               | 5,298                               |
| Local          | 74               | 89                                      | 141    | 82     | -      | Local               | 311                                 |
| Year Total     | 1,855            | 2,218                                   | 3,513  | 2,060  | -      | Year Total          | 7,791                               |
| Description:   |                  |                                         |        |        |        |                     |                                     |

|                | Previous Funding                                                                                                                                                                                                 | FY2024                                    | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0003</b>                                                                                                                                                                                                   | <b>Title: Replacement - Rolling Stock</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5339       | 898                                                                                                                                                                                                              | 1,242                                     | 517    | 329    | 1,144  | FTA 5339            | 3,232                               |
| State          | 2,180                                                                                                                                                                                                            | 3,016                                     | 1,255  | 800    | 2,779  | State               | 7,850                               |
| Local          | 128                                                                                                                                                                                                              | 177                                       | 74     | 47     | 164    | Local               | 462                                 |
| Year Total     | 3,206                                                                                                                                                                                                            | 4,435                                     | 1,846  | 1,176  | 4,087  | Year Total          | 11,544                              |
| Description:   | <b>Amendment #2:</b> The CA-MPO Policy Board approved amendments to the FY2024 amounts based on actual funding allocations for FY2024. Based on planned replacement schedule, funding will be reduced in FY2026. |                                           |        |        |        |                     |                                     |

|                | Previous Funding | FY2024                                    | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------|-------------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0003</b>   | <b>Title: Replacement - Rolling Stock</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| Flexible STP   | -                | -                                         | -      | -      | -      | Flexible STP        | -                                   |
| FTA 5339       | 898              | 1,059                                     | 517    | 577    | -      | FTA 5339            | 2,152                               |
| State          | 2,180            | 2,571                                     | 1,256  | 1,401  | -      | State               | 5,227                               |
| Local          | 128              | 151                                       | 74     | 82     | -      | Local               | 307                                 |
| Year Total     | 3,206            | 3,781                                     | 1,846  | 2,060  | -      | Year Total          | 7,687                               |
| Description:   |                  |                                           |        |        |        |                     |                                     |

|                | Previous Funding | FY2024                           | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------|----------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0007</b>   | <b>Title: Passenger Shelters</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| Flexible STP   | -                | -                                | -      | -      | -      | Flexible STP        | -                                   |
| FTA 5339       | -                | 64                               | 26     | 26     | 26     | FTA 5339            | 142                                 |
| State          | -                | 156                              | 62     | 62     | 62     | State               | 342                                 |
| Local          | -                | 9                                | 4      | 4      | 4      | Local               | 21                                  |
| Year Total     | -                | 229                              | 92     | 92     | 92     | Year Total          | 505                                 |
| Description:   |                  |                                  |        |        |        |                     |                                     |

|                | Previous Funding                                                                                                                                | FY2024                                  | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0009</b>                                                                                                                                  | <b>Title: Purchase Support Vehicles</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5339       | 25                                                                                                                                              | 22                                      | 13     | 28     | -      | FTA 5339            | 63                                  |
| State          | 61                                                                                                                                              | 55                                      | 31     | 68     | -      | State               | 154                                 |
| Local          | 4                                                                                                                                               | 3                                       | 2      | 4      | -      | Local               | 9                                   |
| Year Total     | 90                                                                                                                                              | 80                                      | 46     | 100    | -      | Year Total          | 226                                 |
| Description:   | Adjustment 8: Added FY2025 amounts.<br>Adjustment #3: This block was modified to update the FY2024 amounts based on actual funding allocations. |                                         |        |        |        |                     |                                     |

|                | Previous Funding                                                                                         | FY2024                                  | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0009</b>                                                                                           | <b>Title: Purchase Support Vehicles</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5339       | 25                                                                                                       | 22                                      | -      | 28     | -      | FTA 5339            | 50                                  |
| State          | 61                                                                                                       | 55                                      | -      | 68     | -      | State               | 123                                 |
| Local          | 4                                                                                                        | 3                                       | -      | 4      | -      | Local               | 7                                   |
| Year Total     | 90                                                                                                       | 80                                      | -      | 100    | -      | Year Total          | 180                                 |
| Description:   | Adjustment #3: This block was modified to update the FY2024 amounts based on actual funding allocations. |                                         |        |        |        |                     |                                     |

|                | Previous Funding | FY2024                                  | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------|-----------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0009</b>   | <b>Title: Purchase Support Vehicles</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| Flexible STP   | -                | -                                       | -      | -      | -      | Flexible STP        | -                                   |
| FTA 5339       | 25               | 14                                      | -      | 28     | -      | FTA 5339            | 42                                  |
| State          | 61               | 34                                      | -      | 68     | -      | State               | 102                                 |
| Local          | 4                | 2                                       | -      | 4      | -      | Local               | 6                                   |
| Year Total     | 90               | 50                                      | -      | 100    | -      | Year Total          | 150                                 |
| Description:   |                  |                                         |        |        |        |                     |                                     |

|                | Previous Funding | FY2024                                | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------|---------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0011</b>   | <b>Title: Purchase Shop Equipment</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5339       | 98               | 63                                    | -      | -      | -      | FTA 5339            | 63                                  |
| State          | 238              | 153                                   | -      | -      | -      | State               | 153                                 |
| Local          | 14               | 9                                     | -      | -      | -      | Local               | 9                                   |
| Year Total     | 350              | 225                                   | -      | -      | -      | Year Total          | 225                                 |
| Description    |                  |                                       |        |        |        |                     |                                     |

|              | Previous Funding | FY2024                                 | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                              |
|--------------|------------------|----------------------------------------|--------|--------|--------|---------------------|------------------------------|
| TIP ID:      | CAT0012          | Title: Purchase Vehicle Locator System |        |        |        | Recipient:          | Charlottesville Area Transit |
| FTA 5339     | -                | 154                                    | -      | -      | -      | FTA 5339            | 154                          |
| State        | -                | 374                                    | -      | -      | -      | State               | 374                          |
| Local        | -                | 22                                     | -      | -      | -      | Local               | 22                           |
| Year Total   | -                | 550                                    | -      | -      | -      | Year Total          | 550                          |
| Description: |                  |                                        |        |        |        |                     |                              |

|                | Previous Funding | FY2024                                | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------|---------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0014</b>   | <b>Title: Purchase Misc Equipment</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5339       | 70               | 4                                     | 3      | 1      | 1      | FTA 5339            | 9                                   |
| State          | 171              | 10                                    | 7      | 3      | 3      | State               | 24                                  |
| Local          | 10               | 1                                     | -      | -      | -      | -                   | -                                   |
| Year Total     | 252              | 15                                    | 10     | 5      | 5      | Year Total          | 34                                  |
| Description:   |                  |                                       |        |        |        |                     |                                     |

|                | Previous Funding | FY2024                                                 | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------|--------------------------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0017</b>   | <b>Title: Purchase Surveillance/Security Equipment</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5339       | 56               | 6                                                      | -      | 56     | -      | FTA 5339            | 62                                  |
| State          | 135              | 14                                                     | -      | 136    | -      | State               | 150                                 |
| Local          | -                | -                                                      | -      | -      | -      | Local               | -                                   |
| Year Total     | 190              | 20                                                     | -      | 192    | -      | Year Total          | 212                                 |
| Description:   |                  |                                                        |        |        |        |                     |                                     |

|                | Previous Funding | FY2024                                      | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                                     |
|----------------|------------------|---------------------------------------------|--------|--------|--------|---------------------|-------------------------------------|
| <b>TIP ID:</b> | <b>CAT0020</b>   | <b>Title: Purchase Transit Radio System</b> |        |        |        | <b>Recipient:</b>   | <b>Charlottesville Area Transit</b> |
| FTA 5339       | -                | -                                           | -      | -      | -      | FTA 5339            |                                     |
| State          | 35               | -                                           | -      | -      | -      | State               |                                     |
| Local          | 183              | -                                           | -      | -      | -      | Local               |                                     |
| Year Total     | 218              | -                                           | -      |        | -      | Year Total          |                                     |
| Description:   |                  |                                             |        |        |        |                     |                                     |

|              | Previous Funding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FY2024                                | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |                              |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------|--------|--------|---------------------|------------------------------|
| TIP ID:      | CAT0021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Title: Capital Facilities Renovations |        |        |        | Recipient:          | Charlottesville Area Transit |
| FTA 5339     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 628                                   | -      | 9,773  | 6,302  | FTA 5339            | 16,703                       |
| State        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1,526                                 | -      | 10,435 | 6,850  | State               | 18,811                       |
| Local        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 90                                    | -      | 867    | 548    | Local               | 1,505                        |
| Year Total   | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2,244                                 | -      | 21,075 | 13,700 | Year Total          | 37,019                       |
| Description: | Amendment #3: New project added to the TIP. This funding will go towards two capital projects. The first is improvements to the Operations Annex to include two additional bays, bays for alternative fuel vehicles and other facility improvements. The second improvement is for the Administrative Offices to include renovations and the addition of training facilities. NEPA will be completed in FY2024 for both projects, and improvements will start in FY2026 once plans are reviewed and approved. |                                       |        |        |        |                     |                              |

## FTA 5310 Summary

Note: Numbers are reflected in thousands.

The Autism Sanctuary, Inc. received FTA 5310 starting in 2025 to purchase paratransit vehicles.

|                | Previous Funding                                                                               | FY2024                             | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |  |
|----------------|------------------------------------------------------------------------------------------------|------------------------------------|--------|--------|--------|---------------------|--|
| <b>TIP ID:</b> | <b>ASI001</b>                                                                                  | <b>Title: Paratransit Vehicles</b> |        |        |        |                     |  |
| FTA 5310       | -                                                                                              |                                    | 159    |        |        |                     |  |
| State          | -                                                                                              |                                    | 20     |        |        |                     |  |
| Local          | -                                                                                              |                                    | 20     |        |        |                     |  |
| Year Total     | -                                                                                              |                                    | 199    |        |        |                     |  |
| Description:   | Amendment #13 ASI001. New TIP Block: FY2025 add \$159k FTA 5310, \$20k State, and \$20k local. |                                    |        |        |        |                     |  |

The TJPDC received FTA 5310 starting in FY 2024 to launch a Mobility Management program to operate a one-call-one-click ride referral and information center to support improved mobility for seniors and individuals with disabilities throughout the region.

|                | Previous Funding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FY2024                            | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------|--------|--------|---------------------|-------|
| <b>TIP ID:</b> | <b>TJPDC02</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Title: Mobility Management</b> |        |        |        |                     |       |
| FTA 5310       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 267                               | 258    | 169    | 178    | FTA 5310            | 872   |
| State          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 53                                | 52     | 34     | 36     | State               | 175   |
| Local          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 14                                | 13     | 8      | 9      | Local               | 44    |
| Year Total     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 334                               | 323    | 211    | 223    | Total               | 1,091 |
| Description:   | Adjustment #13 TJPDC02. Add FY2025 funding in the amount of: Total project cost \$119,000- State funds \$19,000, Federal Funds 5310 \$95,000, and local match \$5,000.<br>Adjustment # 9 TJPDC01. Add FY2025 funding in the amount of: Total project cost \$215,230- State funds \$34,436.80, Federal 5310 funds \$172,184, and local match \$8,609.20.<br>Amendment #4: This is a new project being added to the TIP based on funding allocations for the TJPDC to launch and operate a ride referral service for seniors and individuals with disabilities. |                                   |        |        |        |                     |       |

Old Table

|                | Previous Funding                                                                                                                                                                                                                                                                                                                                                                               | FY2024                            | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |              |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------|--------|--------|---------------------|--------------|
| <b>TIP ID:</b> | <b>TJPDC1</b>                                                                                                                                                                                                                                                                                                                                                                                  | <b>Title: Mobility Management</b> |        |        |        | <b>Recipient:</b>   | <b>TJPDC</b> |
| FTA 5310       | -                                                                                                                                                                                                                                                                                                                                                                                              | 95                                | 172    | -      | -      | FTA 5310            | 267          |
| State          | -                                                                                                                                                                                                                                                                                                                                                                                              | 19                                | 34     | -      | -      | State               | 53           |
| Local          | -                                                                                                                                                                                                                                                                                                                                                                                              | 5                                 | 8      | -      | -      | Local               | 13           |
| Year Total     | -                                                                                                                                                                                                                                                                                                                                                                                              | 119                               | 214    | -      | -      | Year Total          | 333          |
| Description:   | <p>Adjustment # 9 TJPDC01. Add FY2025 funding in the amount of: Total project cost \$215,230- State funds \$34,436.80, Federal 5310 funds \$172,184, and local match \$8,609.20.</p> <p>Amendment #4: This is a new project being added to the TIP based on funding allocations for the TJPDC to launch and operate a ride referral service for seniors and individuals with disabilities.</p> |                                   |        |        |        |                     |              |

|                | Previous Funding                                                                 | FY2024                             | FY2025 | FY2026 | FY2027 | Total FY2024-FY2027 |            |
|----------------|----------------------------------------------------------------------------------|------------------------------------|--------|--------|--------|---------------------|------------|
| <b>TIP ID:</b> | <b>TJPDC03</b>                                                                   | <b>Title: Operating Assistance</b> |        |        |        |                     |            |
| FTA 5310       | -                                                                                | -                                  | 3      | -      | -      | FTA 5310            | FTA 5310   |
| State          | -                                                                                | -                                  | 3      | -      | -      | State               | State      |
| Local          | -                                                                                | -                                  | 1      | -      | -      | Local               | Local      |
| Year Total     | -                                                                                | -                                  | 7      | -      | -      | Total               | Year Total |
| Description:   | New Tip Block: FY 2025 add \$3,000 FTA 5310, \$3,000 State, \$1,000 local match. |                                    |        |        |        |                     |            |

## Rail Summary

The Commonwealth programmed \$111 million in CMAQ funds to the Virginia Passenger Rail Authority to be used on four state-supported Amtrak routes. FHWA confirmed CMAQ funding can be used for new Amtrak state-supported service in the Commonwealth, to be applied to gross operational and capital equipment expenses.

|              |                                                                                                                                                                                          |                  |                                             |             |               |             |               |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------|-------------|---------------|-------------|---------------|
| UPC NO       | 20299/25137                                                                                                                                                                              | SCOPE            | Operational expenses related to two trains. |             |               |             |               |
| SYSTEM       | Primary                                                                                                                                                                                  | JURISDICTION     | Charlottesville-Albemarle MPO               | OVERSIGHT   |               |             |               |
| PROJECT      | Virginia State-Supported Amtrak Operations                                                                                                                                               |                  |                                             | ADMIN BY    | VPRA          |             |               |
| DESCRIPTION  | Operating expenses for two trains on the Roanoke route (Route 46). The cost included is only for a portion of the route and a portion of the train costs estimated for the jurisdiction. |                  |                                             |             |               |             |               |
| PROGRAM NOTE | TIP AMD - FY 2024-2027 Transportation Improvement Program (TIP) Amendment – Virginia State-Support Amtrak Operations                                                                     |                  |                                             |             |               |             |               |
| ROUTE/STREET | Roanoke Operations (Route 46)                                                                                                                                                            |                  |                                             | TOTAL COST  | \$22,170,853* |             |               |
|              | FUND SOURCE                                                                                                                                                                              | Previous Funding | FY24                                        | FY25        | FY26          | FY27        | Total FY24-27 |
| PE           | Federal CMAQ                                                                                                                                                                             | \$0              | \$1,701,699                                 | \$1,771,225 | \$1,904,175   | \$1,982,655 | \$7,359,754   |
| PE           | State CMAQ                                                                                                                                                                               | \$0              | \$425,425                                   | \$442,806   | \$476,044     | \$495,664   | \$1,839,938   |
| PE           | VPRA                                                                                                                                                                                     | \$3,771,469      | \$2,127,123                                 | \$2,214,031 | \$2,380,219   | \$2,478,318 | \$9,199,692   |

### Notes:

- Oversight – No federal oversight
- Regionally Significant for Air Quality – No, FHWA considers the CMAQ-funded Amtrak projects to be exempt from air quality conformity requirements as the funding is going towards “operating assistance,” which is specifically listed as being exempt in Table 2 of EPA’s Transportation conformity rule.
- \* Total cost includes operating expenses from previous funding and estimated expenses through FY27 as these are operating expenses without an end date.

## Jaunt Summary<sup>1</sup>

Note: Numbers are reflected in thousands.

JAUNT completed its 2022 Transit Development Plan in December of the same year to more closely align with operating changes and capital improvement projects.

|                    | Previous<br>Funding<br>FY2023                                                                                                                                                                                              | FY 2024                     | FY 2025 | FY 2026    | FY 2027     | Total FY 2024-2027 |        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------|------------|-------------|--------------------|--------|
| TIP ID:            | JNT0001                                                                                                                                                                                                                    | Title: Operating Assistance |         | Recipient: | JAUNT, Inc. |                    |        |
| FTA 5307           | 957                                                                                                                                                                                                                        | 952                         | 962     | 971        | 981         | FTA 5307           | 3,866  |
| FTA 5311           | 2,455                                                                                                                                                                                                                      | 2,641                       | 2,667   | 2,694      | 2,721       | FTA 5311           | 10,724 |
| FTA 5307 ARPA      | 600                                                                                                                                                                                                                        | -                           | -       | -          | -           | -                  | -      |
| Mobility Mgr (Fed) | 68                                                                                                                                                                                                                         | -                           | -       | -          | -           | -                  | -      |
| State              | 2,552                                                                                                                                                                                                                      | 1,162                       | 1,174   | 1,185      | 1,197       | State              | 4,718  |
| Local              | 4,632                                                                                                                                                                                                                      | 6,276                       | 6,527   | 6,788      | 7,060       | Local              | 26,651 |
| Revenues           | 590                                                                                                                                                                                                                        | 396                         | 297     | 309        | 321         | Revenues           | 1,323  |
| Year Total:        | 11,854                                                                                                                                                                                                                     | 11,427                      | 11,627  | 11,948     | 12,280      | Total Funds:       | 47,281 |
| Description:       | Amendment #5: The CA-MPO Policy Board approved the removal of all Jaunt’s projects from the TIP on January 24, 2024 due to the determination that they are not direct recipients of federal funding in the urbanized area. |                             |         |            |             |                    |        |

<sup>1</sup> This information is being left in the FY2024-2027 TIP for historical documentation. After the approval of the initial document, staff realized that inclusion of Jaunt's funding in the document was in error. The 5307 funding that Jaunt receives as a sub-recipient to Charlottesville Area Transit is reflected in Charlottesville Area Transit's Operating Assistance TIP block, and the rest of Jaunt's funding allocations were removed from the TIP at the January 24, 2024 Policy Board meeting.

|              | Previous<br>Funding<br>FY2023                                                                                                                                                                                              | FY 2024                          | FY 2025 | FY 2026    | FY 2027     | Total FY 2024-2027 |       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------|------------|-------------|--------------------|-------|
| TIP ID:      | JNT0002                                                                                                                                                                                                                    | Title: Replacement Rolling Stock |         | Recipient: | JAUNT, Inc. |                    |       |
| FTA 5311     | 1,576                                                                                                                                                                                                                      | 956                              | 914     | 923        | 960         | FTA 5311           | 3,754 |
| FTA 5339     | -                                                                                                                                                                                                                          | -                                | -       | -          | -           | FTA 5339           | -     |
| Flexible STP | -                                                                                                                                                                                                                          | -                                | -       | -          | -           | Flexible STP       | -     |
| State        | 520                                                                                                                                                                                                                        | 315                              | 302     | 305        | 317         | State              | 1,238 |
| Local        | 1,154                                                                                                                                                                                                                      | 700                              | 669     | 676        | 703         | Local              | 2,748 |
| Year Total:  | 3,250                                                                                                                                                                                                                      | 1,971                            | 1,885   | 1,904      | 1,980       | Total Funds:       | 7,740 |
| Description: | Amendment #6: The CA-MPO Policy Board approved the removal of all Jaunt’s projects from the TIP on January 24, 2024 due to the determination that they are not direct recipients of federal funding in the urbanized area. |                                  |         |            |             |                    |       |

|              | Previous<br>Funding<br>FY2023                                                                                                                                                                                              | FY 2024             | FY 2025 | FY 2026    | FY 2027     | Total FY 2024-2027 |     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------|------------|-------------|--------------------|-----|
| TIP ID:      | JNT0006                                                                                                                                                                                                                    | Title: ADP Hardware |         | Recipient: | JAUNT, Inc. |                    |     |
| FTA 5311     | 139                                                                                                                                                                                                                        | 99                  | 115     | 43         | 38          | FTA 5311           | 295 |
| Flexible STP | -                                                                                                                                                                                                                          | -                   | -       | -          | -           | Flexible STP       |     |
| State        | 46                                                                                                                                                                                                                         | 33                  | 38      | 14         | 12          | State              | 97  |
| Local        | 102                                                                                                                                                                                                                        | 72                  | 84      | 32         | 28          | Local              | 216 |
| Year Total:  | 287                                                                                                                                                                                                                        | 204                 | 237     | 89         | 78          | Total Funds:       | 608 |
| Description: | Amendment #7: The CA-MPO Policy Board approved the removal of all Jaunt’s projects from the TIP on January 24, 2024 due to the determination that they are not direct recipients of federal funding in the urbanized area. |                     |         |            |             |                    |     |

|                    | Previous<br>Funding<br>FY2023                                                                                                                                                                                              | FY 2024                    | FY 2025    | FY 2026           | FY 2027            | Total FY 2024-2027  |              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------|-------------------|--------------------|---------------------|--------------|
| <b>TIP ID:</b>     | <b>JNT0009</b>                                                                                                                                                                                                             | <b>Title: ADP Software</b> |            | <b>Recipient:</b> | <b>JAUNT, Inc.</b> |                     |              |
| FTA 5311           | -                                                                                                                                                                                                                          | 320                        | 455        | 27                | 11                 | FTA 5311            | <b>813</b>   |
| Flexible STP       | -                                                                                                                                                                                                                          | -                          | -          | -                 | -                  | Flexible STP        | -            |
| State              | -                                                                                                                                                                                                                          | 106                        | 150        | 9                 | 4                  | State               | <b>268</b>   |
| Local              | -                                                                                                                                                                                                                          | 234                        | 333        | 20                | 8                  | Local               | <b>595</b>   |
| <b>Year Total:</b> | -                                                                                                                                                                                                                          | <b>660</b>                 | <b>938</b> | <b>55</b>         | <b>23</b>          | <b>Total Funds:</b> | <b>1,676</b> |
| Description:       | Amendment #8: The CA-MPO Policy Board approved the removal of all Jaunt's projects from the TIP on January 24, 2024 due to the determination that they are not direct recipients of federal funding in the urbanized area. |                            |            |                   |                    |                     |              |

|                    |                                                                                                                                                                                                                                                                                   |                                         |            |                   |                    |                     |            |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------|-------------------|--------------------|---------------------|------------|
| <b>TIP ID:</b>     | <b>JNT0012</b>                                                                                                                                                                                                                                                                    | <b>Title: Rehab Renovation Facility</b> |            | <b>Recipient:</b> | <b>JAUNT, Inc.</b> |                     |            |
| FTA 5311           | -                                                                                                                                                                                                                                                                                 | 59                                      | 59         | 60                | 12                 | FTA 5311            | <b>189</b> |
| Flexible STP       | -                                                                                                                                                                                                                                                                                 | -                                       | -          | -                 | -                  | Flexible STP        | -          |
| State              | -                                                                                                                                                                                                                                                                                 | 19                                      | 20         | 20                | 4                  | State               | <b>62</b>  |
| Local              | -                                                                                                                                                                                                                                                                                 | 43                                      | 43         | 44                | 9                  | Local               | <b>138</b> |
| <b>Year Total:</b> | -                                                                                                                                                                                                                                                                                 | <b>121</b>                              | <b>122</b> | <b>123</b>        | <b>24</b>          | <b>Total Funds:</b> | <b>390</b> |
| Description:       | <p>Various projects to improve the facility</p> <p>Amendment #9: The CA-MPO Policy Board approved the removal of all Jaunt's projects from the TIP on January 24, 2024 due to the determination that they are not direct recipients of federal funding in the urbanized area.</p> |                                         |            |                   |                    |                     |            |

|                    | Previous<br>Funding<br>FY2023                                                                                                                                                                                               | FY 2024                             | FY 2025   | FY 2026           | FY 2027            | Total FY 2024-2027  |            |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------|-------------------|--------------------|---------------------|------------|
| <b>TIP ID:</b>     | <b>JNT0013</b>                                                                                                                                                                                                              | <b>Title: Spare Parts/ACM Items</b> |           | <b>Recipient:</b> | <b>JAUNT, Inc.</b> |                     |            |
| FTA 5311           | -                                                                                                                                                                                                                           | 14                                  | 31        | 32                | 33                 | FTA 5311            | <b>110</b> |
| Flexible STP       | -                                                                                                                                                                                                                           | -                                   | -         | -                 | -                  | Flexible STP        | -          |
| State              | -                                                                                                                                                                                                                           | 4                                   | 10        | 11                | 11                 | State               | <b>36</b>  |
| Local              | -                                                                                                                                                                                                                           | 10                                  | 22        | 23                | 24                 | Local               | <b>80</b>  |
| <b>Year Total:</b> | -                                                                                                                                                                                                                           | <b>28</b>                           | <b>63</b> | <b>66</b>         | <b>69</b>          | <b>Total Funds:</b> | <b>226</b> |
| Description:       | Amendment #10: The CA-MPO Policy Board approved the removal of all Jaunt's projects from the TIP on January 24, 2024 due to the determination that they are not direct recipients of federal funding in the urbanized area. |                                     |           |                   |                    |                     |            |

|              | Previous<br>Funding<br>FY2023                                                                                                                                                                                               | FY 2024                 | FY 2025 | FY 2026    | FY 2027     | Total FY 2024-2027 |     |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------|------------|-------------|--------------------|-----|
| TIP ID:      | JNT0015                                                                                                                                                                                                                     | Title: Support Vehicles |         | Recipient: | JAUNT, Inc. |                    |     |
| FTA 5311     | -                                                                                                                                                                                                                           | 15                      | 41      | 44         | -           | FTA 5311           | 99  |
| Flexible STP | -                                                                                                                                                                                                                           | -                       | -       | -          | -           | Flexible STP       |     |
| State        | -                                                                                                                                                                                                                           | 5                       | 14      | 14         | -           | State              | 33  |
| Local        | -                                                                                                                                                                                                                           | 11                      | 30      | 32         | -           | Local              | 73  |
| Year Total:  | -                                                                                                                                                                                                                           | 30                      | 85      | 90         |             | Total Funds        | 205 |
| Description: | Amendment #11: The CA-MPO Policy Board approved the removal of all Jaunt’s projects from the TIP on January 24, 2024 due to the determination that they are not direct recipients of federal funding in the urbanized area. |                         |         |            |             |                    |     |

## **Appendix A. Projects by Grouping**

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## Appendix A

### Projects by Grouping

#### Charlottesville MPO

#### Construction : Bridge Rehabilitation/Replacement/Reconstruction

|                                                                       | System | UPC                    | Jurisdiction / Name / Description                                                                         | Street(Route) | Estimate    |
|-----------------------------------------------------------------------|--------|------------------------|-----------------------------------------------------------------------------------------------------------|---------------|-------------|
| Miscellaneous                                                         | T19276 | Culpeper District-wide | 0000                                                                                                      |               | \$0         |
|                                                                       |        |                        | BRIDGE REHABILITATION/REPLACEMENT                                                                         |               |             |
| Primary                                                               | 110001 | Albemarle County       | CROZET AVENUE (0240)                                                                                      |               | \$2,331,560 |
|                                                                       |        |                        | #SGR18VB - RT 240 CROZET AVE STR 589 OVER LICKINGHOLE CREEK                                               |               |             |
|                                                                       |        |                        | FROM: 0.084 MI. South of Lickinghole Creek TO: 0.031 MI. North of Lickinghole Creek (0.1150 MI)           |               |             |
| Secondary                                                             | 110000 | Albemarle County       | FRAY'S MILL ROAD (0641)                                                                                   |               | \$1,912,044 |
|                                                                       |        |                        | #SGR18VB - RT 641 FRAYS MILL RD STR 709 OVER MARSH RUN                                                    |               |             |
|                                                                       |        |                        | FROM: 0.03 MI. FROM RTE. 743 TO: 2.37 MI. TO RTE. 606                                                     |               |             |
| Secondary                                                             | 111378 | Albemarle County       | RED HILL ROAD (0708)                                                                                      |               | \$5,381,222 |
|                                                                       |        |                        | #SGR18VB - RT 708 RED HILL RD STRUCT 792 OVER N.F. HARDWARE                                               |               |             |
|                                                                       |        |                        | FROM: 0.022 MI. E. of North Fork Hardware River TO: 0.064 MI. W. of North Fork Hardware River (0.0860 MI) |               |             |
| Construction : Bridge Rehabilitation/Replacement/Reconstruction Total |        |                        |                                                                                                           |               | \$9,624,826 |

#### Construction : Safety/ITS/Operational Improvements

|            | System | UPC                    | Jurisdiction / Name / Description                            | Street(Route) | Estimate    |
|------------|--------|------------------------|--------------------------------------------------------------|---------------|-------------|
| Interstate | 119329 | Albemarle County       | 0064                                                         |               | \$183,000   |
|            |        |                        | #I64CIP - CCTV Culpeper District                             |               |             |
|            |        |                        | FROM: WB 102.4 TO: WB 102.4                                  |               |             |
| Interstate | 119333 | Culpeper District-wide | 0064                                                         |               | \$1,000,000 |
|            |        |                        | #I64CIP - CMS CULPEPER DISTRICT                              |               |             |
| Interstate | 119445 | Statewide              | 0064                                                         |               | \$282,535   |
|            |        |                        | #I64 CIP - CULPEPER DISTRICT SSP                             |               |             |
|            |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate | 119446 | Statewide              | 0064                                                         |               | \$0         |
|            |        |                        | I64CIP - PUBLIC SAFETY ADVISORY POINTS INTEGRATIONS          |               |             |
|            |        |                        | FROM: various TO: various                                    |               |             |
| Interstate | 117790 | Statewide              | 0081                                                         |               | \$382,000   |
|            |        |                        | #ITTF21 STUDY OF ADVANCED TECHNOLOGIES -I-81                 |               |             |
|            |        |                        | FROM: various TO: various                                    |               |             |
| Interstate | 118193 | Statewide              | 0095                                                         |               | \$5,744,292 |
|            |        |                        | #I95CIP CRO SSP FY23-26                                      |               |             |
|            |        |                        | FROM: I95 Various TO: I-95 Various                           |               |             |
| Interstate | 119154 | Statewide              | 0095                                                         |               | \$900,000   |
|            |        |                        | #I95CIP PUBLIC SERVICE ADVISORY(PSAP) INTEGRATIONS STATEWIDE |               |             |
|            |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate | 119155 | Statewide              | 0095                                                         |               | \$0         |
|            |        |                        | #I95CIP WORK ZONE DEMONSTRATION SAFETY GRANT                 |               |             |
|            |        |                        | FROM: various TO: various                                    |               |             |

Appendix is for informational purposes only.

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## Charlottesville MPO

### Construction : Safety/ITS/Operational Improvements

|            | System | UPC Jurisdiction / Name / Description                                                              | Street(Route) | Estimate    |
|------------|--------|----------------------------------------------------------------------------------------------------|---------------|-------------|
| Interstate | 110551 | Statewide<br>TRAFFIC VIDEO EXPANSION (PSAP) - STATEWIDE<br>FROM: Various TO: Various               | 9999          | \$307,192   |
| Interstate | 110912 | Statewide<br>Statewide Truck Parking Management System - Phase 1<br>FROM: Various TO: Various      | 9999          | \$813,019   |
| Interstate | 111613 | Statewide<br>STATEWIDE TRUCK PARKING MANAGEMENT SYSTEM - PHASE 2<br>FROM: Various TO: Various      | 9999          | \$1,807,000 |
| Interstate | 111892 | Statewide<br>ATMS - PHASE 1, 2, 3, 4<br>FROM: Various TO: Various                                  | 9999          | \$0         |
| Interstate | 115854 | Statewide<br>#ITTF20 ARTERIAL OPERATIONS PROGRAM DASHBOARD<br>FROM: n/a TO: n/a                    | 9999          | \$0         |
| Interstate | 115856 | Statewide<br>#ITTF20 PARKING DEMAND MANAGEMENT SYSTEM<br>FROM: Various TO: Various                 | 9999          | \$1,950,000 |
| Interstate | 119197 | Statewide<br>#ITTF22 OSPREY FIBER CONNECTIONS - STATEWIDE<br>FROM: Various TO: Various             | 9999          | \$1,500,000 |
| Interstate | 119198 | Statewide<br>#ITTF22 HIGH SPEED COMMUNICATIONS FOR SIGNALS (PHASE II)<br>FROM: Various TO: Various | 9999          | \$25,040    |
| Interstate | 119199 | Statewide<br>#ITTF22 STUDY FOR SMARTER LIGHTING INITIATIVE STATEWIDE<br>FROM: Various TO: Various  | 9999          | \$500,000   |
| Interstate | 119332 | Statewide<br>#ITTF22 DATA-DRIVEN MGMT PROGRAM FOR PAVEMENT MARKING<br>FROM: Various TO: Various    | 9999          | \$300,000   |
| Interstate | 119379 | Statewide<br>#ITTF22 CONNECTED WORK ZONES PROGRAM STATEWIDE<br>FROM: Various TO: Various           | 9999          | \$0         |
| Interstate | 119401 | Statewide<br>#ITTF22 PROJECT EVALUATIONS STATEWIDE<br>FROM: Various TO: Various                    | 9999          | \$250,000   |
| Interstate | 119402 | Statewide<br>#ITTF22 INCIDENT RESPONSE OPTIMIZATION -STATEWIDE<br>FROM: Various TO: Various        | 9999          | \$1,030,000 |
| Interstate | 119404 | Statewide<br>#ITTF22 GUIDE LIGHTS FOR SPEED MANAGEMENT STATEWIDE<br>FROM: various TO: various      | 9999          | \$1,000,000 |
| Interstate | 119406 | Statewide<br>#ITTF22 AUTOMATED SPEED ENFORCEMENT PILOT STATEWIDE<br>FROM: Various TO: Various      | 9999          | \$0         |

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**Charlottesville MPO****Construction : Safety/ITS/Operational Improvements**

|         | System | UPC Jurisdiction / Name / Description | Street(Route)                                                                                                                                                                            | Estimate     |
|---------|--------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Primary | 111727 | Albemarle County                      | MONACAN TRAIL (0029)<br>I-64 / ROUTE 29 INTERCHANGE IMPROVEMENTS<br>FROM: 0.22 MI NORTH OF ROUTE 1106 TO: 0.37 MI NORTH OF ROUTE 1106 (0.1500 MI)                                        | \$2,080,207  |
| Primary | 111813 | Albemarle County                      | ROUTE 29 (0029)<br>#SMART18 - NB US 29 exit ramp to Fontaine Avenue<br>FROM: 0.29 MILES N. of I-64 WB BRIDGE TO: Fontaine Avenue (0.3500 MI)                                             | \$2,629,600  |
| Primary | 114299 | Albemarle County                      | SEMINOLE TRAIL (0029)<br>ROUTE 29 AND WOODBROOK INTERSECTION MODIFICATION<br>FROM: Woodbrook Dr TO: Woodbrook Dr (0.0600 MI)                                                             | \$0          |
| Primary | 114666 | Albemarle County                      | 0029<br>PSAP - Pedestrian Facility Improvements in Albemarle County<br>FROM: Various Locations TO: Various Locations                                                                     | \$407,340    |
| Primary | 114401 | Culpeper District-wide                | SEMINOLE TRAIL (0029)<br>Signal Performance Metric - ATSC<br>FROM: Rte. 649 TO: Stone Ridge Drive                                                                                        | \$600,000    |
| Primary | 111729 | Albemarle County                      | IVY ROAD (0250)<br>ROUTE 250 / 240 / 680 ROUNDABOUT<br>FROM: INTERSECTION OF ROUTES 250 / 240 / 680 TO: INTERSECTION OF ROUTES 250 / 240 / 680                                           | \$3,550,000  |
| Primary | 111814 | Albemarle County                      | RICHMOND ROAD (0250)<br>#SMART18 - EXIT 124 (INTERSTATE 64)<br>FROM: 0.32 MILES E. FR-179 (HANSENS MTN ROAD) TO: 0.02 MILES W. FR-179 (HANSENS MTN ROAD) (0.3400 MI)                     | \$18,102,653 |
| Primary | 115477 | Albemarle County                      | RICHMOND ROAD (0250)<br>#SMART20 - RTE. 250 & RTE. 20 INTERSECTION IMPROVEMENTS<br>FROM: 0.10 M. E. RTE. 20 TO: 0.10 M. W. RTE. 20 (0.2000 MI)                                           | \$8,800,000  |
| Primary | 115476 | Charlottesville                       | 5TH STREET (9999)<br>#SMART20 - 5TH STREET SW CORRIDOR IMPROVEMENTS<br>FROM: RIDGE STREET TO: E. AT UNDIVIDED 5TH STREET                                                                 | \$6,103,034  |
| Urban   | 109480 | Charlottesville                       | E. MARKET ST. / 9TH. ST. N.E. / E. HIGH ST. (0000)<br>#HB2.FY17 EAST HIGH STREETSCAPE IMPROVEMENTS<br>FROM: INT. E. MARKET ST. / 7TH. ST. N.E. TO: E. HIGH ST. / LOCUST AVE. (0.3600 MI) | \$7,157,000  |
| Urban   | 109551 | Charlottesville                       | EMMET ST. N. (0000)<br>#HB2.FY17 EMMET STREET CORRIDOR STREETSCAPE & INTERSECTIONS<br>FROM: IVY ROAD / UNIVERSITY AVENUE TO: ARLINGTON BOULEVARD (0.5500 MI)                             | \$12,098,063 |
| Urban   | 111796 | Charlottesville                       | EMMET STREET (0029)<br>#SMART18 - BARRACKS RD @ EMMET ST INTERSECTION<br>FROM: 0.08 MI S OF INT. BARRACKS ROAD TO: 0.01 MI N OF INT. BARRACKS ROAD (0.0900 MI)                           | \$8,640,866  |
| Urban   | 109484 | Charlottesville                       | FONTAINE AVENUE (0000)<br>#HB2.FY17 FONTAINE AVENUE STREETSCAPE IMPROVEMENTS<br>FROM: RAY C HUNT DRIVE TO: JEFFERSON PARK AVENUE (0.4300 MI)                                             | \$11,700,000 |
| Urban   | 113916 | Charlottesville                       | GRADY AVENUE (0250)<br>10TH & GRADY AVENUE BIKE PED<br>FROM: 0.04 EAST OF ROUTE 3423 TO: 0.06 WEST OF ROUTE 3423 (0.1000 MI)                                                             | \$291,000    |

## Charlottesville MPO

### Construction : Safety/ITS/Operational Improvements

|               | System | UPC                    | Jurisdiction / Name / Description                            | Street(Route) | Estimate    |
|---------------|--------|------------------------|--------------------------------------------------------------|---------------|-------------|
| Interstate    | 121564 | Statewide              | 9999                                                         |               | \$350,000   |
|               |        |                        | #ITTF23 LEVERAGING CONNECTED CAR DATA FOR IMPROVED SAFETY    |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121653 | Statewide              | 9999                                                         |               | \$3,000,000 |
|               |        |                        | #ITTF23 - COOPERATIVE FREEWAY MANAGEMENT STUDY- NOVA/FRED    |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121654 | Statewide              | 9999                                                         |               | \$1,000,000 |
|               |        |                        | #ITTF23 OPERATIONALIZE TRAFFIC OPERATIONS SUPPORT CENTER     |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121655 | Statewide              | 9999                                                         |               | \$500,000   |
|               |        |                        | #ITTF23 IMPLEMENT AI-BASED INTEGRATED SECURITY PREDICTION    |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121666 | Statewide              | 9999                                                         |               | \$500,000   |
|               |        |                        | #ITTF23 ITTF PROJECT EVALUATIONS                             |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121667 | Statewide              | 9999                                                         |               | \$3,575,000 |
|               |        |                        | #ITTF23 RM3P DEP Data Services                               |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121668 | Statewide              | 9999                                                         |               | \$1,000,000 |
|               |        |                        | #ITTF23 REAL-TIME INFORMATION DISSEMINATION FOR CMVs         |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121670 | Statewide              | 9999                                                         |               | \$500,000   |
|               |        |                        | #ITTF23 ADVANCED ROAD WEATHER INFORMATION SYSTEMS STUDY      |               |             |
|               |        |                        | FROM: VARIOUS TO: VARIOUS                                    |               |             |
| Interstate    | 121712 | Statewide              | 9999                                                         |               | \$650,000   |
|               |        |                        | NETWORK OPERATIONS CENTER IMPLEMENTATION                     |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121776 | Statewide              | 9999                                                         |               | \$1,000,000 |
|               |        |                        | HARD SHOULDER RUNNING FEASIBILITY STUDY-Technology component |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 121822 | Statewide              | 9999                                                         |               | \$5,000,000 |
|               |        |                        | #ITTF23 STATEWIDE FIBER NETWORK ENHANCEMENTS                 |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |
| Interstate    | 122048 | Statewide              | VARIOUS (9999)                                               |               | \$500,000   |
|               |        |                        | #ITTF23 - RM3P EVALUATION                                    |               |             |
|               |        |                        | FROM: various TO: various                                    |               |             |
| Miscellaneous | T19275 | Culpeper District-wide | 0000                                                         |               | \$0         |
|               |        |                        | CN: SAFETY/ITS/OPERATIONAL/IMPROVEMENTS                      |               |             |
| Miscellaneous | 121537 | Culpeper District-wide | 9999                                                         |               | \$0         |
|               |        |                        | District-wide Flashing Yellow Arrows Installations           |               |             |
|               |        |                        | FROM: VARIOUS TO: VARIOUS                                    |               |             |
| Miscellaneous | 121643 | Statewide              | 9999                                                         |               | \$1,000,000 |
|               |        |                        | #ITTF23 SMART INTERSECTIONS DEPLOYMENT SUPPORT               |               |             |
|               |        |                        | FROM: Various TO: Various                                    |               |             |

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## Charlottesville MPO

### Construction : Safety/ITS/Operational Improvements

|           | System                                           | UPC Jurisdiction / Name / Description                                                                                                                                  | Street(Route) | Estimate     |
|-----------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| Primary   | 111733 Albemarle County                          | STONY POINT ROAD (0020)<br>#SMART18 - ROUTE 20/649 INTERSECTION IMPROVEMENT<br>FROM: 0.119 MILE SOUTH OF RT. 649 TO: 0.058 MILE NORTH OF RT. 649 (0.3600 MI)           |               | \$4,207,346  |
| Primary   | 118875 Albemarle County                          | SCOTTSVILLE ROAD (0020)<br>#SMART22 - RTE. 20/53 INTERSECTION IMPROVEMENTS<br>FROM: .025 MILES S. RTE 53 TO: 0.10 MILES N. RTE 53 (0.3500 MI)                          |               | \$10,271,103 |
| Primary   | 111727 Albemarle County                          | MONACAN TRAIL (0029)<br>I-64 / ROUTE 29 INTERCHANGE IMPROVEMENTS<br>FROM: 0.152 MILE SOUTH OF I-64 EB TO: 0.010 MILE SOUTH OF I-64 EB (0.1500 MI)                      |               | \$2,080,207  |
| Primary   | 111813 Albemarle County                          | ROUTE 29 (0029)<br>#SMART18 - NB US 29 exit ramp to Fontaine Avenue<br>FROM: .208 Miles South of Fontaine Ave TO: .057 Miles South of Fontaine Ave (0.3500 MI)         |               | \$2,621,469  |
| Primary   | 114401 Albemarle County                          | SEMINOLE TRAIL (0029)<br>Signal Performance Metric - ATSC<br>FROM: Rte. 649 TO: Stone Ridge Drive                                                                      |               | \$600,000    |
| Primary   | 118868 Albemarle County                          | RTE. 29 BYPASS (0029)<br>#SMART22 - US 29 AND FONTAINE AVE INTERCHANGE IMPROVEMENTS<br>FROM: S. FONTAINE INTERCHANGE RAMP TO: N. FONTAINE INTERCHANGE RAMP (0.7000 MI) |               | \$13,440,089 |
| Primary   | 118871 Albemarle County                          | SEMINOLE TRAIL (0029)<br>#SMART22 - RTE 29 SHARED USE PATH<br>FROM: CARRSBROOKE DR. TO: SEMINOLE LANE (0.5000 MI)                                                      |               | \$3,524,115  |
| Primary   | 118867 Charlottesville                           | EMMET STREET (0029)<br>#SMART22 - EMMET STREET MULTIMODAL PHASE II<br>FROM: ARLINGTON BLVD TO: BARRACKS ROAD (0.4500 MI)                                               |               | \$20,465,490 |
| Primary   | 118880 Multi-jurisdictional: Charlottesville MPO | SEMINOLE TRAIL (0029)<br>#SMART22 - HYDRAULIC ROAD AND RTE. 29<br>FROM: ANGUS ROAD TO: 0.24 MI North of HYDRAULIC ROAD (0.5300 MI)                                     |               | \$28,254,264 |
| Primary   | 111729 Albemarle County                          | IVY ROAD (0250)<br>ROUTE 250 / 240 / 680 ROUNDABOUT<br>FROM: INTERSECTION OF ROUTES 250 / 240 / 680 TO: INTERSECTION OF ROUTES 250 / 240 / 680                         |               | \$4,539,016  |
| Primary   | 111814 Albemarle County                          | RICHMOND ROAD (0250)<br>#SMART18 - EXIT 124 (INTERSTATE 64)<br>FROM: 0.337 MILE WEST OF I-64 WB TO: 0.321 MILE EAST OF I-64 WB (0.3400 MI)                             |               | \$18,102,653 |
| Primary   | 115477 Albemarle County                          | RICHMOND ROAD (0250)<br>#SMART20 - RTE. 250 & RTE. 20 INTERSECTION IMPROVEMENTS<br>FROM: 0.10 M. E. RTE. 20 TO: 0.10 M. W. RTE. 20 (0.2000 MI)                         |               | \$8,800,000  |
| Primary   | 118879 Albemarle County                          | RICHMOND ROAD (0250)<br>#SMART22 - RTE 250 EAST CORRIDOR IMPROVEMENTS<br>FROM: STONEY POINT ROAD TO: ROLKIN ROAD                                                       |               | \$5,939,563  |
| Primary   | 100548 Charlottesville                           | MCINTIRE ROAD BUSINESS (0250)<br>Construct Multi-Use Path along McIntire Rd<br>FROM: Route 250 Bypass TO: Harris Street                                                |               | \$1,039,517  |
| Secondary | 118878 Albemarle County                          | 5TH STREET EXTENDED (0631)<br>#SMART22 - OLD LYNCHBURG RD/5TH ST EXT. INT IMPROVEMENTS<br>FROM: 0.25 MILES S. RTE 780 TO: 0.25 MILES N. RTE 780 (0.5000 MI)            |               | \$7,797,076  |

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## Charlottesville MPO

### Construction : Safety/ITS/Operational Improvements

|                                                          | System                  | UPC Jurisdiction / Name / Description                                                  | Street(Route) | Estimate      |
|----------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------|---------------|---------------|
| Secondary                                                | 118876 Albemarle County | RIO ROAD (0631)                                                                        |               | \$10,887,626  |
|                                                          |                         | #SMART22 - RIO ROAD & JOHN WARNER PARKWAY ROUNDABOUT                                   |               |               |
|                                                          |                         | FROM: 0.02 MILES N RTE. 631 TO: 0.02 MILES S. RTE 631                                  |               |               |
| Secondary                                                | 118877 Charlottesville  | RIDGE STREET (9999)                                                                    |               | \$8,738,020   |
|                                                          |                         | #SMART22 - RIDGE STREET SAFETY IMPROVEMENTS                                            |               |               |
|                                                          |                         | FROM: DIVIDED SECTION TO: MONTICELLO AVE (0.2400 MI)                                   |               |               |
| Urban                                                    | 115476 Charlottesville  | 5TH STREET (9999)                                                                      |               | \$6,103,034   |
|                                                          |                         | #SMART20 - 5TH STREET SW CORRIDOR IMPROVEMENTS                                         |               |               |
|                                                          |                         | FROM: RIDGE STREET TO: E. AT UNDIVIDED 5TH STREET                                      |               |               |
| Urban                                                    | 109480 Charlottesville  | E. MARKET ST. / 9TH. ST. N.E. / E. HIGH ST. (0000)                                     |               | \$9,605,921   |
|                                                          |                         | #HB2.FY17 EAST HIGH STREETSCAPE IMPROVEMENTS                                           |               |               |
|                                                          |                         | FROM: 0.15 mile s south of Route 250 Bus TO: 0.72 mile south of Route 250 (0.3600 MI)  |               |               |
| Urban                                                    | 109551 Charlottesville  | EMMET ST. N. (0000)                                                                    |               | \$16,844,639  |
|                                                          |                         | #HB2.FY17 EMMET STREET CORRIDOR STREETSCAPE & INTERSECTIONS                            |               |               |
|                                                          |                         | FROM: 0.046 mile south of Ivy Road on Emmet Street TO: ARLINGTON BOULEVARD (0.5500 MI) |               |               |
| Urban                                                    | 111796 Charlottesville  | EMMET STREET (0029)                                                                    |               | \$8,640,866   |
|                                                          |                         | #SMART18 - BARRACKS RD @ EMMET ST INTERSECTION                                         |               |               |
|                                                          |                         | FROM: 0.06 MI S OF INT. BARRACKS ROAD TO: 0.08 MI N OF INT. BARRACKS ROAD (0.0900 MI)  |               |               |
| Urban                                                    | 109484 Charlottesville  | FONTAINE AVENUE (0000)                                                                 |               | \$12,276,431  |
|                                                          |                         | #HB2.FY17 FONTAINE AVENUE STREETSCAPE IMPROVEMENTS                                     |               |               |
|                                                          |                         | FROM: 0.03 mi west of Westerly Avenue TO: JEFFERSON PARK AVENUE (0.4300 MI)            |               |               |
| Urban                                                    | 113916 Charlottesville  | GRADY AVENUE (0250)                                                                    |               | \$291,000     |
|                                                          |                         | 10TH & GRADY AVENUE BIKE PED                                                           |               |               |
|                                                          |                         | FROM: 0.04 EAST OF ROUTE 3423 TO: 0.06 WEST OF ROUTE 3423 (0.1000 MI)                  |               |               |
| Urban                                                    | 113861 Charlottesville  | MADISON AVENUE (0000)                                                                  |               | \$222,059     |
|                                                          |                         | WASHINGTON PARK/MADISON AVENUE BICYCLE CONNECTOR TRAIL                                 |               |               |
|                                                          |                         | FROM: PRESTON AVENUE TO: ROSE HILL DRIVE                                               |               |               |
| Urban                                                    | 113917 Charlottesville  | MONTICELLO AVENUE (3402)                                                               |               | \$981,662     |
|                                                          |                         | PEDESTRIAN IMPROVEMENTS AT MONTICELLO AVE/2ND                                          |               |               |
|                                                          |                         | FROM: 0.028 mi west of 2nd St SE TO: 0.022 mi east of 2nd St SE (0.0500 MI)            |               |               |
| Urban                                                    | 113918 Charlottesville  | PRESTON AVENUE (0250)                                                                  |               | \$245,725     |
|                                                          |                         | PEDESTRIAN IMPROVEMENTS AT PRESTON AVE/HARRIS ST                                       |               |               |
|                                                          |                         | FROM: 0.06 MI EAST OF HARRIS STREET TO: 0.04 MI WEST OF HARRIS STREET (0.1000 MI)      |               |               |
| Urban                                                    | 113919 Charlottesville  | RIDGE STREET (3405)                                                                    |               | \$265,230     |
|                                                          |                         | PEDESTRIAN IMPROVEMENTS AT RIDGE/CHERRY                                                |               |               |
|                                                          |                         | FROM: 0.07 MI SOUTH OF ROUTE 3400 TO: 0.03 MI NORTH OF ROUTE 3400 (0.1000 MI)          |               |               |
| Construction : Safety/ITS/Operational Improvements Total |                         |                                                                                        |               | \$243,333,199 |

### Construction : Transportation Alternatives/Byway/Non-Traditional

|             | System                 | UPC Jurisdiction / Name / Description      | Street(Route) | Estimate  |
|-------------|------------------------|--------------------------------------------|---------------|-----------|
| Enhancement | 111393 Charlottesville | EN17                                       |               | \$419,500 |
|             |                        | Rugby Avenue Shared Use Path               |               |           |
|             |                        | FROM: West McIntire Park TO: Sherwood Road |               |           |

**Charlottesville MPO****Construction : Transportation Alternatives/Byway/Non-Traditional**

|                                                                        | System | UPC                                       | Jurisdiction / Name / Description                                                                                                     | Street(Route) | Estimate     |
|------------------------------------------------------------------------|--------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| Enhancement                                                            | 121656 | Charlottesville                           | EN22<br>CITY OF CHARLOTTESVILLE SRTS COORDINATOR/PROGRAM DEVELOPMENT<br>FROM: VARIOUS TO: VARIOUS                                     |               | \$104,804    |
| Miscellaneous                                                          | T19273 | Culpeper District-wide                    | 0000<br>CN: TRANSPORTATION ENHANCEMENT/BYWAYS/OTHER NON-TRADITIONAL                                                                   |               | \$0          |
| Secondary                                                              | 118870 | Multi-jurisdictional: Charlottesville MPO | 5TH STREET (0631)<br>#SMART22 - FIFTH STREET HUB AND TRAILS<br>FROM: 5th. St. Station development TO: 5th St. Parking Lot (0.2400 MI) |               | \$9,841,290  |
| Construction : Transportation Alternatives/Byway/Non-Traditional Total |        |                                           |                                                                                                                                       |               | \$10,365,594 |

**Maintenance : Preventive Maintenance and System Preservation**

|                                                                    | System | UPC                    | Jurisdiction / Name / Description                                                                                                                      | Street(Route) | Estimate     |
|--------------------------------------------------------------------|--------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| Miscellaneous                                                      | T14710 | Culpeper District-wide | 0000<br>STIP-MN Culpeper: Preventive MN and System Preservation                                                                                        |               | \$49,752,817 |
| Urban                                                              | 118295 | Charlottesville        | DAIRY ROAD (9999)<br>#SGR21LB - DAIRY ROAD OVER RTE 250 BYPASS (FED ID 20073)<br>FROM: DAIRY RD OVER RTE. 250 BYPASS TO: DAIRY RD OVER RTE. 250 BYPASS |               | \$0          |
| Urban                                                              | 118882 | Charlottesville        | RTE 250 BYPASS (0250)<br>#SGR22LP - RTE 250 BYPASS - CITY OF CHARLOTTESVILLE<br>FROM: FIRE STATION TO: RUGBY AVE. (0.3400 MI)                          |               | \$0          |
| Maintenance : Preventive Maintenance and System Preservation Total |        |                        |                                                                                                                                                        |               | \$49,752,817 |

**Maintenance : Preventive Maintenance for Bridges**

|                                                        | System | UPC                    | Jurisdiction / Name / Description                   | Street(Route) | Estimate     |
|--------------------------------------------------------|--------|------------------------|-----------------------------------------------------|---------------|--------------|
| Miscellaneous                                          | T14709 | Culpeper District-wide | 0000<br>STIP-MN Culpeper: Preventive MN for Bridges |               | \$18,387,625 |
| Maintenance : Preventive Maintenance for Bridges Total |        |                        |                                                     |               | \$18,387,625 |

**Maintenance : Traffic and Safety Operations**

|                                                   | System | UPC                    | Jurisdiction / Name / Description                       | Street(Route) | Estimate    |
|---------------------------------------------------|--------|------------------------|---------------------------------------------------------|---------------|-------------|
| Miscellaneous                                     | T14708 | Culpeper District-wide | 0000<br>STIP-MN Culpeper: Traffic and Safety Operations |               | \$8,237,514 |
| Maintenance : Traffic and Safety Operations Total |        |                        |                                                         |               | \$8,237,514 |

|                                  |  |  |  |  |                      |
|----------------------------------|--|--|--|--|----------------------|
| <b>Charlottesville MPO Total</b> |  |  |  |  | <b>\$339,701,575</b> |
|----------------------------------|--|--|--|--|----------------------|

## Appendix B. Transit Asset Management

### Transit Asset Management Plans

The National Transit Asset Management System Final Rule (49 U.S.C 625) specifies four performance measures, which apply to four TAM asset categories: equipment, rolling stock, infrastructure, and facilities. Figure 2 describes each of these measures.

**Figure 2: TAM Performance Measures by Asset Category**

| Asset Category | Relevant Assets                                                                                     | Measure                                                                     | Measure Type      | Desired Direction   |
|----------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------|---------------------|
| Equipment      | Service support, maintenance, and other non-revenue vehicles                                        | Percentage of vehicles that have met or exceeded their ULB                  | Age-based         | Minimize percentage |
| Rolling Stock  | Buses, vans, and sedans; light and heavy rail cars; commuter rail cars and locomotives; ferry boats | Percentage of revenue vehicles that have met or exceeded their ULB          | Age-based         | Minimize percentage |
| Infrastructure | Fixed guideway track                                                                                | Percentage of track segments with performance (speed) restrictions, by mode | Performance-based | Minimize percentage |
| Facilities     | Passenger stations, parking facilities, administration and maintenance facilities                   | Percentage of assets with condition rating lower than 3.0 on FTA TERM Scale | Condition-based   | Minimize percentage |

FTA = Federal Transit Administration. TAM = Transit Asset Management. TERM = Transit Economic Requirements Model. ULB = Useful Life Benchmark.

Two definitions apply to these performance measures:

- **Useful Life Benchmark (ULB)**—"The expected lifecycle of a capital asset for a particular transit provider's operating environment, or the acceptable period of use in service for a particular transit provider's operating environment." For example, FTA's default ULB of a bus is 14 years.
- **FTA Transit Economic Requirements Model (TERM) Scale**—A rating system used in FTA's TERM to describe asset condition. The scale values are 1 (poor), 2 (marginal), 3 (adequate), 4 (good), and 5 (excellent).

The National Transit Asset Management System Final Rule (49 U.S.C. 625) requires that all transit agencies that receive federal financial assistance under 49 U.S.C. Chapter 53 and own, operate, or manage capital assets used in the provision of public transportation create a TAM plan. Agencies are required to fulfill this requirement through an individual or group plan. The TAM rule provides two tiers of requirements for transit agencies based on size and operating characteristics:

- A Tier I agency operates rail, OR has 101 vehicles or more all fixed route modes, OR has 101 vehicles or more in one non-fixed route mode.

- A Tier II agency is a subrecipient of FTA 5311 funds, OR is an American Indian Tribe, OR has 100 or less vehicles across all fixed route modes, OR has 100 vehicles or less in one non-fixed route mode.

The Department of Rail and Public Transportation (DRPT) is the sponsor for the Statewide Tier II Group Plan. The Charlottesville Albemarle MPO programs federal transportation funds for Charlottesville Area Transit and JAUNT. Charlottesville Area Transit and JAUNT are Tier II agencies participating in the DRPT sponsored group TAM Plan. The MPO has integrated the goals measures and targets described in the [Federal Fiscal Year 2018 Group Transit Asset Management Plan and 2020 plan Addendum](#) into the MPO's planning and programming process specific targets for the Tier II Group TAM Plan are included in the table below.

**Table 3: TAM Targets for rolling stock and facilities: Percentage of Revenue Vehicles that have met or exceeded their ULB by Asset Type.**

| Asset Category - Performance Measure                                                                                    | Asset Class                             | 2020 Target* |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------|
| <b>Revenue Vehicles</b>                                                                                                 |                                         |              |
| Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB) | AB - Articulated Bus                    | 15%          |
|                                                                                                                         | BU - Bus                                | 10%          |
|                                                                                                                         | CU - Cutaway                            | 10%          |
|                                                                                                                         | MB - Minibus                            | 20%          |
|                                                                                                                         | BR - Over-the-Road Bus                  | 15%          |
|                                                                                                                         | TB - Trolley Bus                        | 10%          |
|                                                                                                                         | VN - Van                                | 25%          |
| <b>Equipment</b>                                                                                                        |                                         |              |
| Age - % of vehicles that have met or exceeded their Useful Life Benchmark (ULB)                                         | Non-Revenue/Service Automobile          | 25%          |
|                                                                                                                         | Trucks and other Rubber Tire Vehicles   | 25%          |
|                                                                                                                         |                                         |              |
| <b>Facilities</b>                                                                                                       |                                         |              |
| Condition - % of facilities with a condition rating below 3.0 on the FTA TERM Scale                                     | Administrative and Maintenance Facility | 10%          |
|                                                                                                                         | Administrative Office                   | 10%          |
|                                                                                                                         | Maintenance Facility                    | 10%          |
|                                                                                                                         | Passenger Facilities                    | 10%          |

Additional information and guidance is available on FTAs Transit Asset Management website:

<https://www.transit.dot.gov/TAM>

FTA TAM planning factsheet:

<https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/Planning%20for%20TAM%20fact%20sheet.pdf>

## Appendix C. Self-Certification Statement



### Charlottesville-Albemarle Metropolitan Planning Organization

POB 1505, 401 E. Water St, Charlottesville, VA 22902 [www.tjpd.org](http://www.tjpd.org)

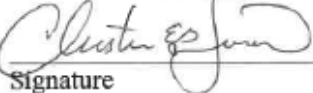
(434) 979-7310 phone; (434) 979-1597 fax; [info@tjpd.org](mailto:info@tjpd.org) email

#### Metropolitan Transportation Planning Process Self-Certification Statement

In accordance with 23 CFR 450.336, the Virginia Department of Transportation and the Charlottesville-Albemarle Metropolitan Planning Organization for the City of Charlottesville and the urbanized area of Albemarle County hereby certify that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

- I. 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5304, and this part;
- II. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) & 49 CFR part 21;
- III. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- IV. Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- V. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- VI. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37 and 38;
- VII. In States containing nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
- VIII. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- IX. Section 324 of title 23 U.S.C., regarding the prohibition of discrimination based on gender; and
- X. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

Charlottesville-Albemarle MPO

  
Signature

Christine E. Jacobs  
Printed Name

Executive Director  
Title

5/9/2023  
Date

Virginia Department of Transportation

  
Signature

Sean Nelson  
Printed Name

District Engineer  
Title

5/24/2023  
Date

# CA-MPO Administration and CTAC Participation

## CA-MPO Policy Board Meeting August 27, 2025



# Agenda

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- I. Recent Meeting Summaries
- II. Metropolitan Planning Organization (MPO) Source Regulations, Structure, and Core Activities
- III. History and Past Activities of the Citizens Transportation Advisory Committee (CTAC)
- IV. Other Citizen Advisory Bodies

# Recent Meeting Summaries

---

- **March 19, 2025** – CTAC Meeting
  - Following the recent election of officers, CTAC members discussed expiring committee membership, the appointment process, and prepared for a discussion of the bylaws
- **May 21, 2025** – CTAC Meeting
  - Members reviewed bylaws, began discussions on committee purpose, and brainstormed potential activities
- **June 25, 2025** – MPO Policy Board Meeting
  - Spurred by an agenda item addressing CTAC vacancies, Policy Board members requested a broader discussion about the purpose of CTAC and their next meeting and an interim meeting between Chairs and Vice-Chairs of the two bodies
- **July 18, 2025** – Chairs and Vice-Chairs of MPO Policy Board and CTAC
  - Discussions on the intended function of CTAC, committee challenges, and staff challenges
  - Request for information about MPO Policy Board key activities and CTAC history for presentation and discussion at August MPO Policy Board meeting

# 23 CFR Part 450 – Source Regulations

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Subpart A – Transportation Planning and Programming Definitions

Subpart B – Statewide and Nonmetropolitan Transportation Planning and Programming

**Subpart C – Metropolitan Transportation Planning and Programming**

Set forth the national policy that the MPO designated for each urbanized area is to carry out a **continuing, cooperative, and comprehensive** performance-based multimodal transportation planning process, including the development of a **metropolitan transportation plan** and a **TIP**.

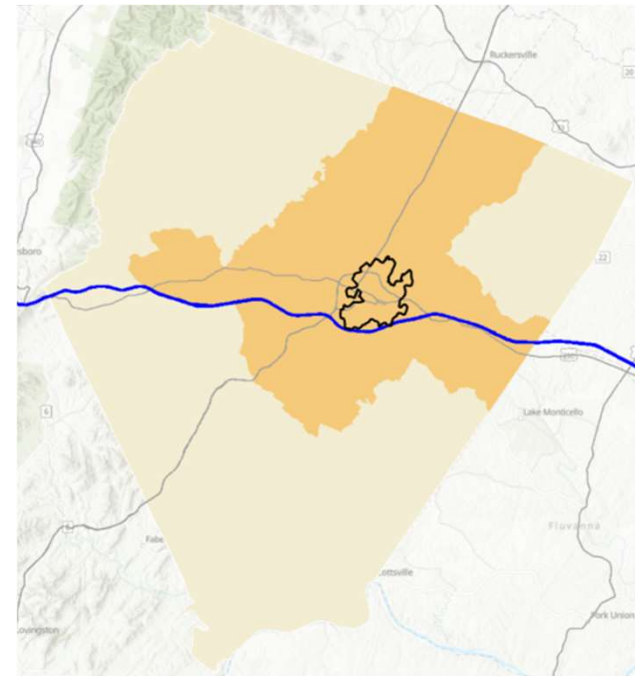
# 23 CFR Part 450 Subpart C

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## Metropolitan Transportation Planning and Programming

As a federally-mandated body, the CA-MPO must complete the following major activities:

- Develop a **long-range metropolitan transportation plan** and **TIP**
- Establish **performance targets**
- Develop and use a documented **public participation plan**
- Document metropolitan transportation planning activities in a **unified planning work program (UPWP)**



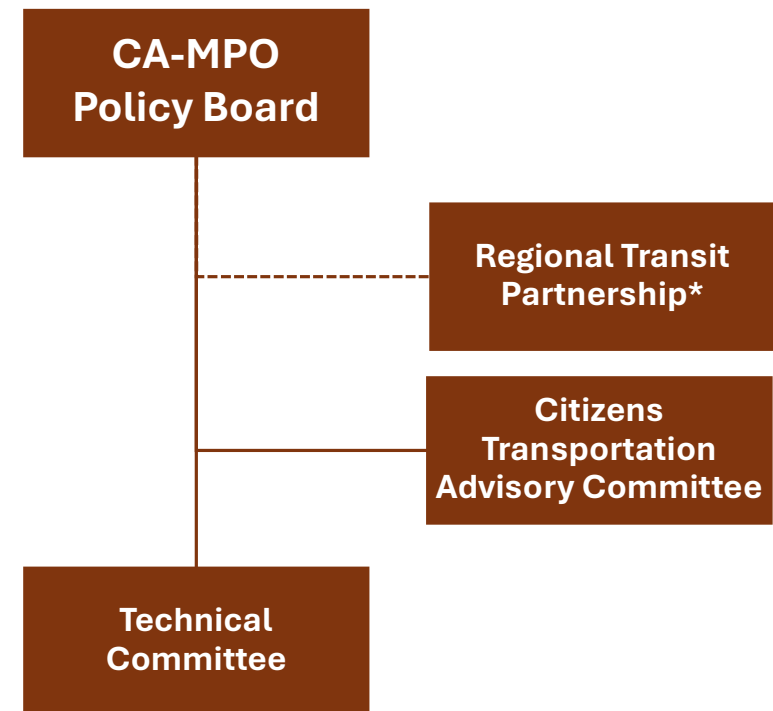
- City of Charlottesville
- CA-MPO Boundary
- Albemarle County

# CA-MPO Structure and Committees

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- Committee structure not specified in federal requirements
- 3-C Agreement is an MOU on metropolitan transportation planning responsibilities for the Charlottesville-Albemarle Metropolitan Planning Area
- Article 2: MPO Structure and Committees of the 3-C Agreement identifies
  - Policy Board, and
  - Technical Committee

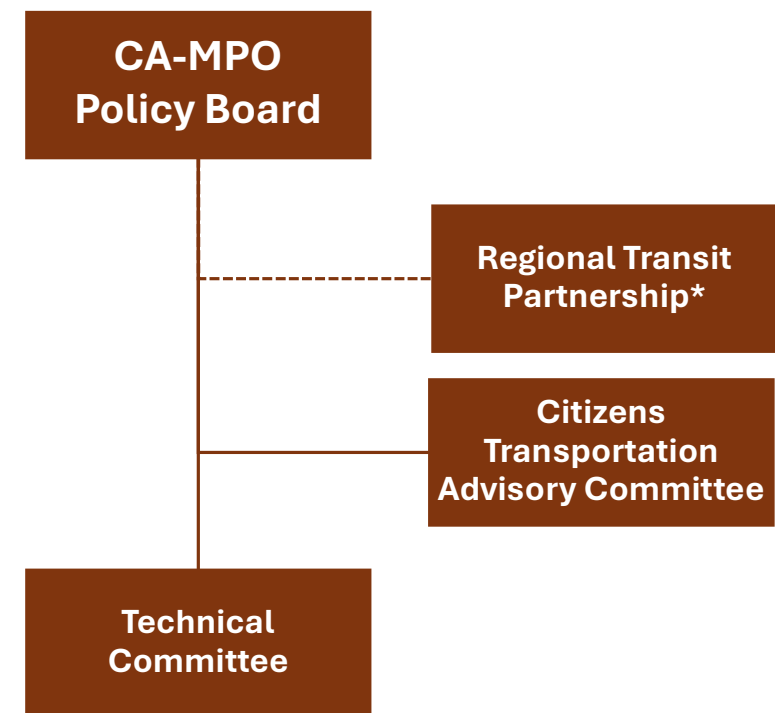
*\*Regional Transit Partnership established in 2017, but will sunset in December 2025*



# CA-MPO Structure and Committees

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- **CA-MPO Policy Board** is the chief regional authority responsible for cooperative development and approval of the core transportation planning activities and products for the urbanized region
- **CA-MPO Technical Committee** provides technical review, supervision, and assistance in transportation planning. Members are responsible for providing, obtaining, and validating the required latest official travel and socio-economic planning data and assumptions for the regional study area.



# CA-MPO Responsibilities and Decisions

---

| Document or Task                               | Frequency                             |
|------------------------------------------------|---------------------------------------|
| Long Range Transportation Plan (LRTP)          | 5 Years<br>Amended as Needed          |
| Transportation Improvement Program (TIP)       | 4 Years<br>Amended as Needed          |
| Unified Planning Work Program (UPWP)           | Yearly                                |
| Establish and Adopt Safety Performance Targets | Yearly                                |
| Establish and Adopt Other Performance Targets  | Varies Based on<br>Performance Period |

- **Long Range Transportation Plan:** Metropolitan transportation plan with short- and long-range strategies to provide for the development of an integrated multimodal transportation system with 20-year forecast period
- **Transportation Improvement Program (TIP):** Prioritized list/program of projects that are federally-funded and regionally significant; coordinated with the state
- **Unified Planning Work Program (UPWP):** Annual document identifying major metropolitan transportation planning activities to be performed with provided funds
- **Federal Performance Targets:** In coordination with the state, MPOs establish performance targets to track to track progress toward critical outcomes for the region. Targets include safety, infrastructure condition, system performance, transit asset management

# CA-MPO Responsibilities and Decisions

---

| Document or Task          | Frequency |
|---------------------------|-----------|
| 3-C Agreement             | 10 Years* |
| Annual Obligation Report  | Yearly    |
| MPO Boundary Maintenance  | 10 Years  |
| Public Participation Plan | As Needed |
| Title VI Plan             | 3 Years   |

- **3-C Agreement:** The MPO, member jurisdictions, state, and transit providers determine mutual responsibilities in carrying out a continuing, cooperative, and comprehensive multimodal transportation planning process.
- **Annual Obligation Report:** Annual list of projects for which federal funds were obligated. Intends to provide an accounting for federal funds authorized or committed by the state or designated recipients for expenditure of projects programmed in the TIP.
- **MPO Boundary Maintenance:** The MPO reviews metropolitan planning area boundary after each Census to determine if it meets minimum statutory requirements for new and updated urbanized areas and adjust if necessary.
- **Public Participation Plan:** Document that defines a process for providing interested parties with reasonable opportunities to be involved in the metropolitan transportation planning process.
- **Title VI Plan:** Describes process for ensuring compliance with Title VI of the Civil Rights Act of 1964.

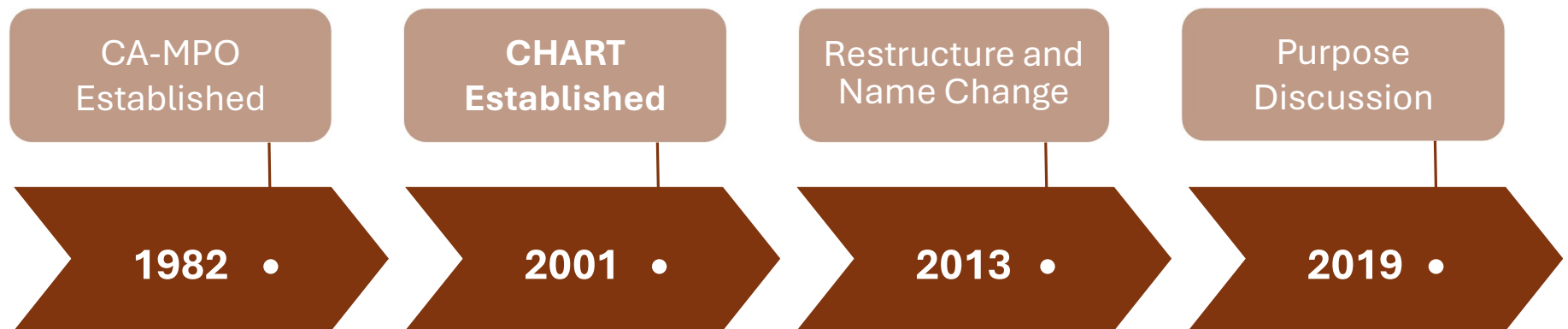
# CA-MPO Responsibilities and Decisions

| Document or Task                                     | Frequency                   |
|------------------------------------------------------|-----------------------------|
| Travel Demand Model                                  | 5 Years                     |
| Functional Classification                            | 10 Years<br>Or As Requested |
| SMART SCALE                                          | 2 Years                     |
| State-Led Plans/Studies<br>(STARS, Pipeline, VTrans) | Varies                      |
| Other Discretionary<br>Grants                        | As Initiated                |

- **Travel Demand Model:** An analytical tool used to support the transportation planning process. Because the LRTP is required include current and projected transportation demand over a 20-year period, the travel demand model helps to fulfill that task.
- **Functional Classification:** Process by which streets and highways are grouped into classes according to the character of service they are intended to provide. VDOT TMPD is ultimately responsible for this task, and the MPO coordinates local/regional feedback.
- **SMART SCALE:** The MPO is an eligible applicant in the state's construction funding program.
- **State-Led Plans and Studies:** The MPO participates as a stakeholder in VDOT-led plans (STARS or Pipeline studies, statewide transportation plan (VTrans), etc.)
- **Other Discretionary Grants:** The MPO is an eligible applicant for various other state and federal discretionary grant opportunities (RAISE/BUILD, Transportation Alternatives, SS4A, etc.)

# Citizens Transportation Advisory Committee (CTAC) History

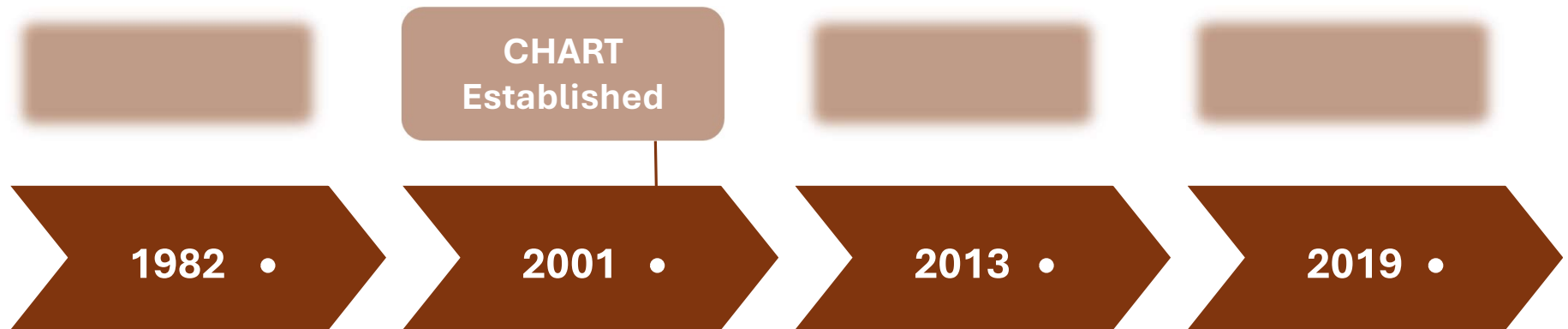
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- “Develop and recommend updates to long range Charlottesville Albemarle Regional Transportation Plan (CHART) plan (in previous years, this document was called the Charlottesville Area Transportation Study, or CATS).
- Meet frequently as needed during plan updates; meet no less than annually during interim years to evaluate plan progress and recommend amendments and updated project descriptions. Host community forums to solicit public input.
- Present plan update and recommendations for plan amendments to MPO Technical Committee for endorsement and approval by MPO Policy Board.”

# Establishment of CHART

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- Charlottesville Citizens at Large (5)
- Albemarle Citizens at Large (5)
- University of Virginia (1)
- Public Transit Rider (1)
- Bicycling Representative (1)
- Pedestrian Representative (1)

- Freight/Shipping Representative (1)
- Chamber of Commerce (1)
- Environmental Protection Representative (1)
- Private Transit Provider (1)
- CTAC reports to Technical Committee

# Restructure and Name Change

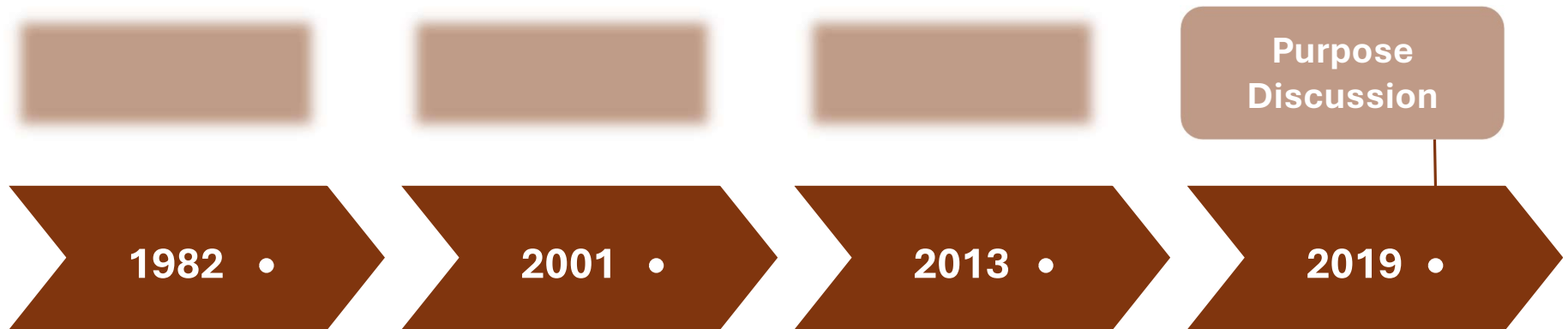
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- Membership reduced from 18 to 13 and specific membership role type removed
  - Minutes and memos between 2001 and 2013 reference difficulty of maintaining mode-specific membership
  - Appointments by jurisdictions, policy board, etc.
- Name changed from Charlottesville Albemarle Regional Transportation Plan (CHART) committee to Citizens Transportation Advisory Committee (CTAC)
- Emphasis placed on CTAC being advisory to the MPO Policy Board, not other outside bodies
- First set of CTAC Bylaws were approved July 2013, with subsequent MPO Policy Board Bylaws revisions in September 2013

# Recurring Purpose Discussions

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2019 Discussion centered around a few key topics:

- What will CTAC do outside of LRTP updates?
- Will the MPO Policy Board provide CTAC with direction and tasks or should they develop their own activities/initiatives?
- Should CTAC members be appointed by one body to better manage the appointment process and ensure diversity of membership and interests?
- Is CTAC a requirement? Many peer MPOs do not have citizen committees. Should they only meet during LRTP updates?

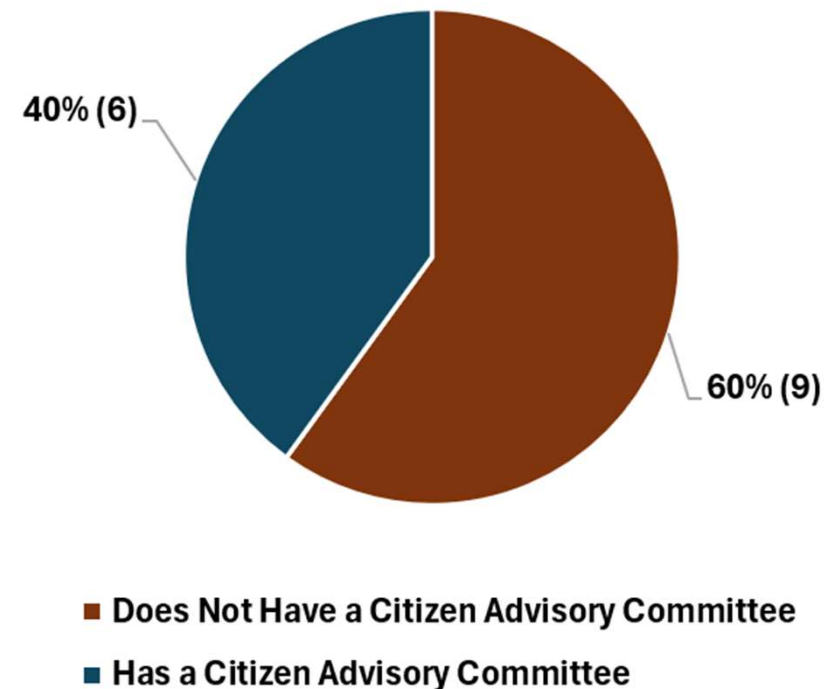
## Virginia MPOs with Transportation-Related Citizen Committees

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- Out of 15 MPOs in the state, six have a transportation-specific citizen advisory committee (only four largest urban areas are active)
  - Charlottesville-Albemarle MPO
  - Fredericksburg Area MPO
  - Hampton Roads TPO
  - National Capital Region Transportation Planning Board
  - Richmond Regional TPO
  - Winchester-Frederick County MPO\*

*\*Citizen committee identified in bylaws, but not active*

Virginia MPOs with Transportation-Related Citizen Committees



# Other Local Citizen Advisory Committees

---

- Seven **Community Advisory Committees (CACs)** in Albemarle County support County staff and the Board of Supervisors in implementing their development area's Master Plan
  - Cover topics including transportation planning, development projects, environmental stewardship, traffic safety, and community wellbeing
  - Each CAC has a liaison from the Planning Commission, Board of Supervisors, and County Planning staff
- Charlottesville has a **Bicycle and Pedestrian Advisory Committee (BPAC)** whose purpose is to improve bicycle and pedestrian facility design and safety for all road users
- Charlottesville **PLACE Design Task Force** acted as an advisory board to the Planning Commission and City staff in matters pertaining to urban design and place making. It was last active 2021.
- **Charlottesville Area Transit (CAT) Advisory Board** established by resolution of City Council in October 2018 to serve as a rider-centric steering committee. The advisory board is not currently active.

# Past Activities of CTAC

- Supported UnJAM2025 (2004 LRTP) public workshop planning and facilitation
- LRTP Public Participation Database
  - From 2009-2011, CHART developed a Public Participation presentation and survey to educate members of the public on transportation planning and collect public input about transportation issues
  - Collected 57 public input surveys
- Created a “CHART Card” in 2010 with resources where citizens could find additional information about regional transportation
- 2009 Resolution of Endorsement for new Amtrak Passenger Rail Service through the Region

**CHART/MPO**  
What we need from you! Please Tell Us About Your Transportation Concerns. Fill Out the Following Form and Return it to one of the Personnel. Thanks You for Helping Us Make the Transportation System Better.

**We want to hear from you!**  
**Public Participation Form**

**About Us**  
Who are we? The Charlotte-Mecklenburg Metropolitan Planning Organization is a federally-mandated planning jurisdiction, specifically created to facilitate transportation planning. Each state is required to designate MPOs around urbanized areas with a population greater than 50,000.

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**About You**  
What is your Zip Code? \_\_\_\_\_  
About how far do you travel to work or school? \_\_\_\_\_ Miles  
About how long does it take you to get to work or school? \_\_\_\_\_ Minutes  
How do you usually get around town?  
Car/Pool Drive alone Walk Bike  
Tele-Commute/Work from Home Other \_\_\_\_\_

**Transportation Issues: What is most important to you?**  
Circle your priorities  
Not Important 1 2 3 4 5 Very Important

**Biggest Transportation Issues**

| Issue                                   | 1 | 2 | 3 | 4 | 5 |
|-----------------------------------------|---|---|---|---|---|
| Volume of Traffic/Congestion            |   |   |   |   |   |
| Inadequate Transit System               |   |   |   |   |   |
| Traffic Accidents                       |   |   |   |   |   |
| Unreliable Stoplights                   |   |   |   |   |   |
| Lack of Pedestrian/Bicyclist Facilities |   |   |   |   |   |

**Describe Your Experience with Congestion in our area.**  
**Biggest Congestion Concerns**  
Where is Congestion the Worst in the Area?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
What Time of Day Do You Typically Find This Congestion?  
\_\_\_\_\_  
\_\_\_\_\_  
Do You Avoid This Congestion?  
\_\_\_\_\_  
\_\_\_\_\_  
Obstacles for  
\_\_\_\_\_  
\_\_\_\_\_  
Are there more?  
\_\_\_\_\_  
www.chart.org

**Additional Information about Regional Transportation**

Albemarle County Department of Community Development  
www.albemarle.org search Community Development

City of Charlotte-Mecklenburg Department of Community Development  
www.charlotte.org search Neighborhood Development Services

Charlotte-Mecklenburg Area Transit  
www.charlotte.org search CAT

University of Virginia Department of Planning and Transportation  
www.virginia.edu search

University Transit Service  
http://www.parkingsolutions.org/

Thomas Jefferson Planning District Commission  
http://www.tjpc.com/

# Challenges of CTAC Activities

- Desire to advise bodies other than the CA-MPO Policy Board
  - 2006 memorandum written to Albemarle County Department of Community Development recommending specific concepts be incorporated into community site plans
  - 2025 desire to draft a letter from the MPO's citizen advisory committee to city council in reference to recent citizen arrest related to a temporary crosswalk installment
- Desire to perform advocacy-related work
- Desire to develop staffed sub-committees and more frequent meetings, increasing strain on staff and financial resources
- Challenges differentiating between CTAC's role and MPO Technical Committee's role
- Challenging to 'orient' new members without a clear understanding of CTAC's purpose
- Unclear chain of communication – does the MPO Policy Board assign tasks, or do they set their own direction?
- Does the MPO Policy Board value the feedback from the members of CTAC differently than feedback from the general public?
- Citizens want to be added to agendas to present ideas for transportation solutions

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**Transportation Issues: What is most important to you?**  
Circle your priorities  
Not Important 1 2 3 4 5 Very Important

| Transportation Issue                    | 1 | 2 | 3 | 4 | 5 |
|-----------------------------------------|---|---|---|---|---|
| Volume of Traffic/Congestion            |   |   |   |   |   |
| Inadequate Transit System               |   |   |   |   |   |
| Traffic Accidents                       |   |   |   |   |   |
| Unsignalized Stoplights                 |   |   |   |   |   |
| Lack of Pedestrian/Bicyclist Facilities |   |   |   |   |   |

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Albemarle County Department of Community Development  
Neighborhood Development Services  
search Neighborhood Development Services  
www.albemarle.org  
Charlottesville Area Transit  
www.charlottesville.org  
search CAT  
University of Virginia  
Department of Parking and Transportation  
www.parkingandtransportation.org  
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\_\_\_\_\_  
Obstacles for  
\_\_\_\_\_  
\_\_\_\_\_  
Are there more?  
\_\_\_\_\_  
www.tjpc.com

# What Are CTAC's Current Interests?

- Recent discussions have pointed to a desire to be more active, but unsure how to influence existing transportation planning processes
- Desire to inform planning processes that are not controlled by MPO staff (VDOT Pipeline, STARS, local area/corridor plans)
- Desire to propose technical (engineering) solutions to solve transportation issues outside of structured processes
- Desire to advise on local, in addition to regional, transportation initiatives outside of the policy board's authority

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www.charlotte.org  
search Neighborhood Development Services  
Charlotte-Mecklenburg Area Transit  
www.chart.org  
search CAT  
University of Virginia Department of Planning and Transportation  
www.virginia.edu  
search University Transit Services  
Thomas Jefferson Planning District Commission  
www.tjpc.org  
search TJPC

# How Has Public Engagement Changed?

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## *Early 2000s*

- Outreach strongly relied on mailed notices, printed newspaper ads, televised media, and in-person staff capacity
- Access to information limited by public attendance
- Information shared ‘door-to-door’ or through ‘liaisons’ and ‘word of mouth’
- Fewer opportunities for virtual outreach and engagement

## *Present Day*

- Staff performing in-person outreach through pop-up events, tabling, and paper surveys
- Virtual and hybrid meetings allow opportunities for flexible attendance and increased access to information
- Email lists, social media, and other digital communications reach more people faster
- Online surveys and interactive data platforms allow staff to gather more feedback from a broader audience with fewer staff resources

# Next Steps

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- Determine if a citizens advisory committee is still necessary and/or desired by the policy board
- If so, define specific purpose and role of CTAC
- Identify how CTAC's involvement can best inform MPO's decision-making process
- Define the chain of communication
- Bylaws revision, membership and appointment considerations

# Questions?

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Taylor Jenkins  
(434) 424-0652  
[tjenkins@tjpdcc.org](mailto:tjenkins@tjpdcc.org)





STRATEGICALLY TARGETED AND  
AFFORDABLE ROADWAY SOLUTIONS

# MPO Policy Board Meeting

1. US 29 Corridor: Hydraulic Rd to Woodbrook Rd
2. US 29/250 Bypass Interchange with Emmet St

*August 27, 2025*

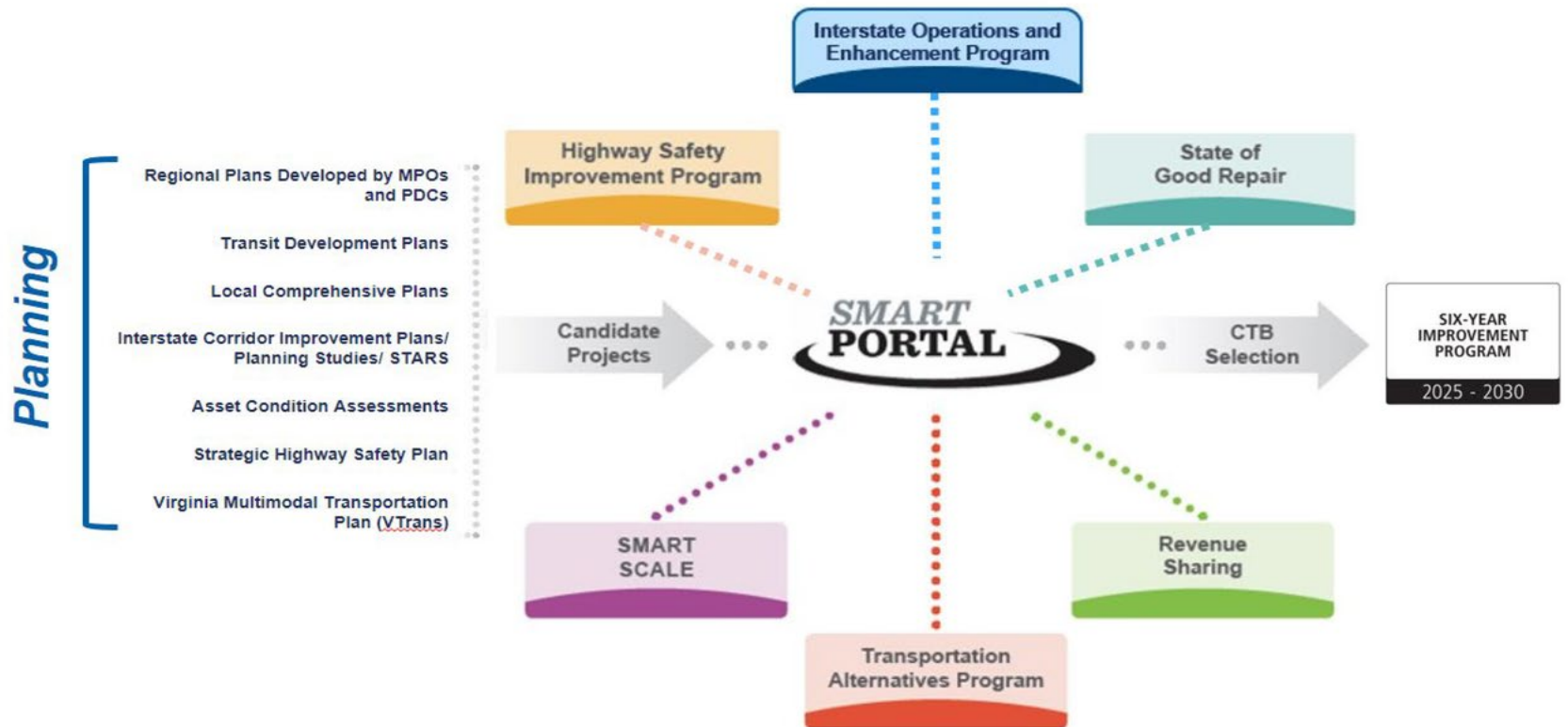
# AGENDA

- **What is STARS?**
- **Study #1: US 29 Corridor: Hydraulic Rd to Woodbrook Rd**
- **Study #2: US 29/250 Bypass Interchange with Emmet St**
- **Bike/Ped Red Flag Analysis (both studies)**
- **Transit Component (both studies)**
- **Next Steps**
- **Schedule**

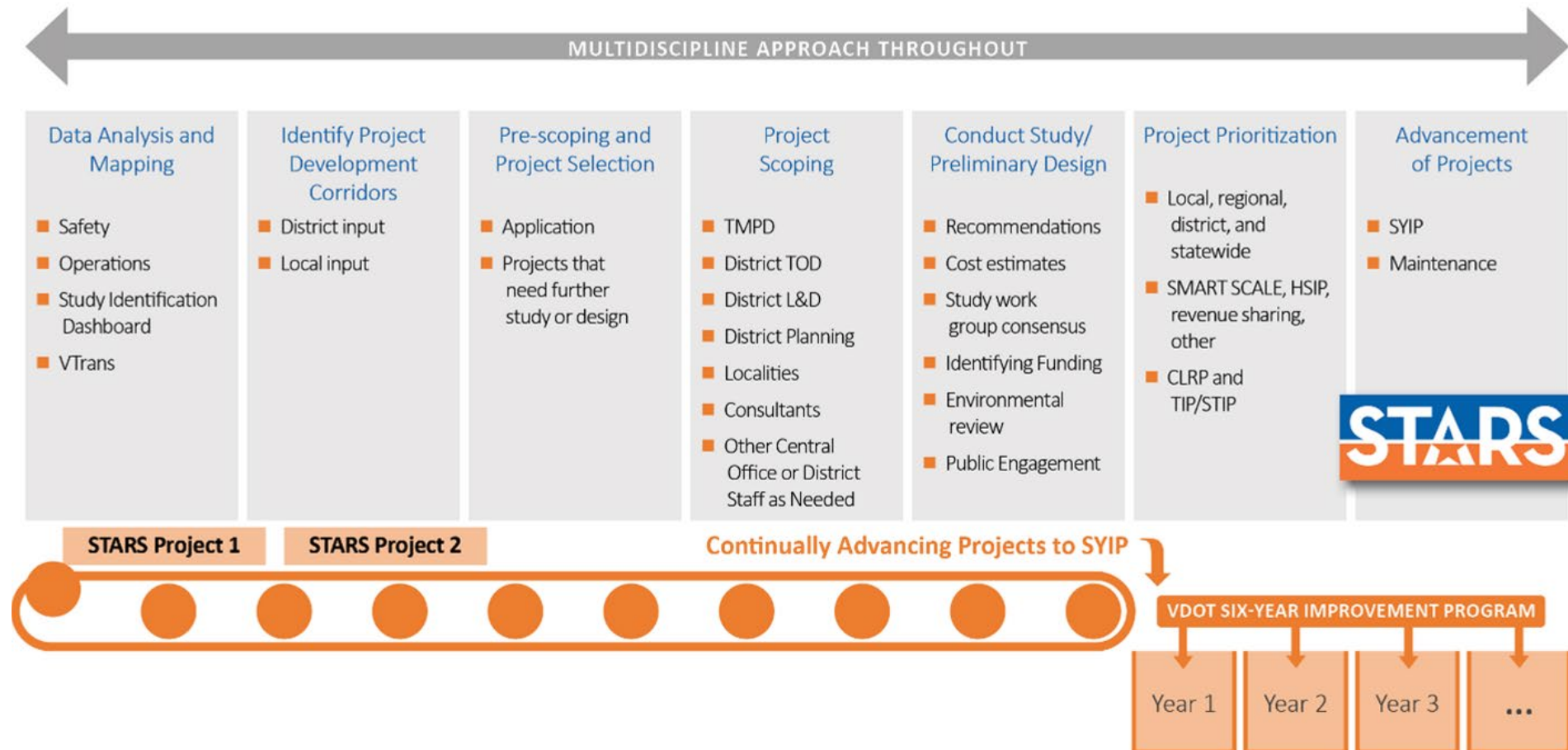
# WHAT IS STARS?

The objective of STARS (**Strategically Targeted Affordable Roadway Solutions**) Program is to develop comprehensive and innovative multimodal transportation solutions to address congestion and safety challenges in the Commonwealth.

- Analyze safety needs
- Support economic development in area
- Develop recommendations for future funding (HSIP, SMART Scale, other)



# WHAT IS STARS (STRATEGICALLY TARGETED AFFORDABLE ROADWAY SOLUTIONS)?



# STUDY #1

## US 29 CORRIDOR: HYDRAULIC RD TO WOODBROOK RD

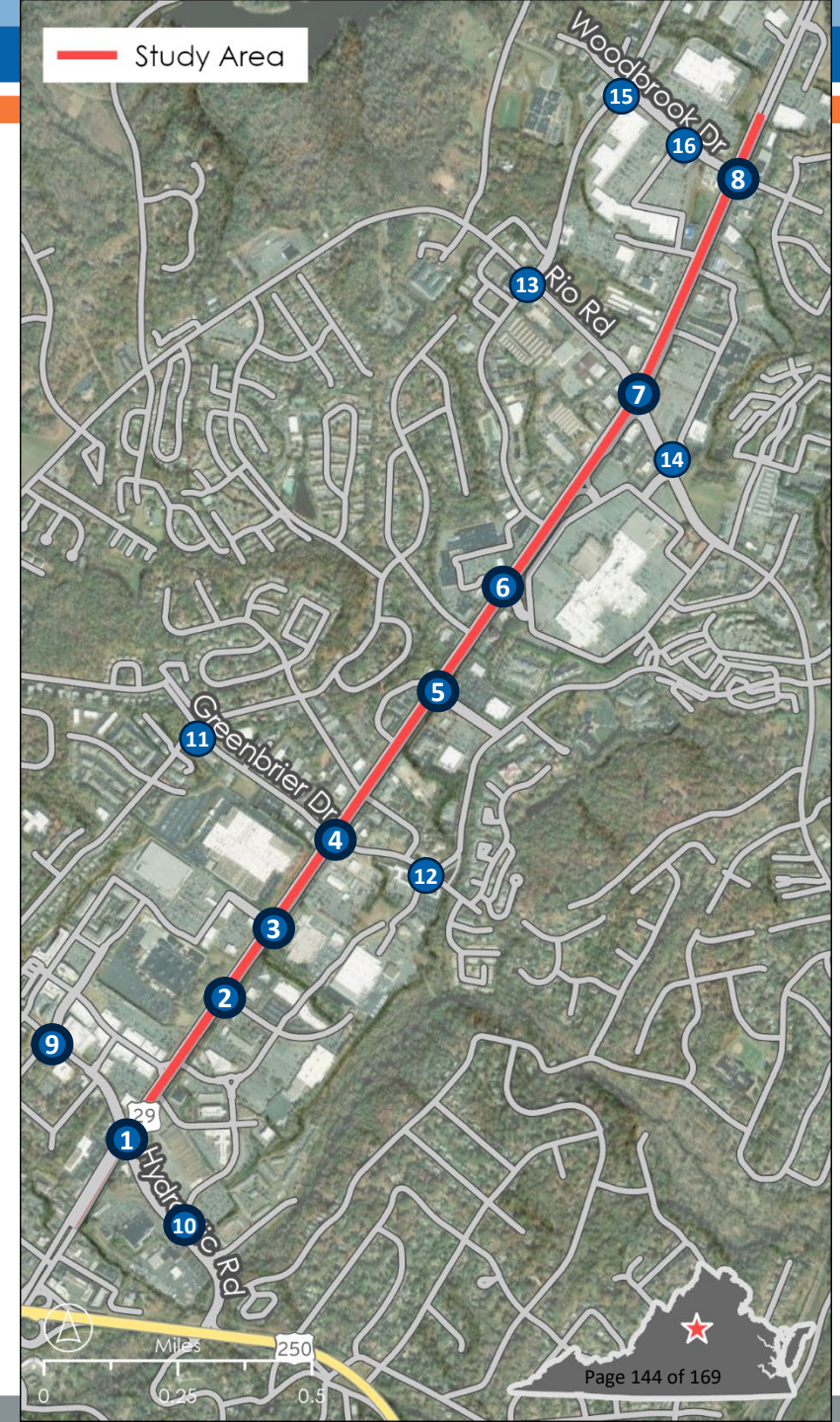
### ① Data Collection (TMCs) on US 29:

1. Hydraulic Road
2. Seminole Court
3. Lenox Avenue
4. Greenbrier Drive
5. Branchlands Boulevard
6. Fashion Square Drive
7. Rio Road
8. Woodbrook Drive
9. Hydraulic Rd and District Ave/Cedar Hill Rd
10. Hydraulic Rd and Hillsdale Dr

### ⑪ Supporting Data Collection (TMCs) :

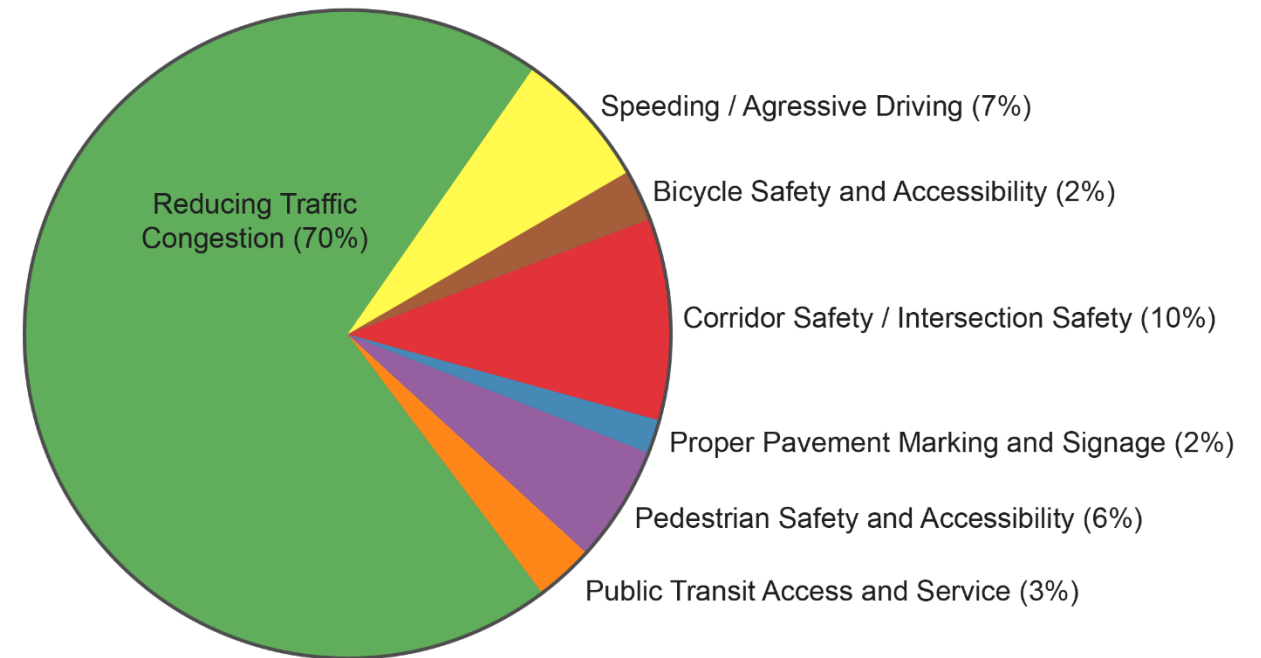
11. Greenbrier Dr and Commonwealth Dr
12. Greenbrier Dr and Hillsdale Dr
13. Rio Rd and Berkmar Dr
14. Rio Rd and Fashion Square Dr
15. Woodbrook Rd and Berkmar Dr
16. Woodbrook Rd and Rio Hill Center

48-hr tube counts were also be collected.



## SURVEY RESULTS - COMBINED (BOTH STUDIES)

- **Over 2,300 participants**
- **Top Five Priorities:**
  - Reducing traffic congestion
  - Corridor/intersection safety
  - Ped/Bike safety and accessibility
  - Speeding/aggressive driving
  - Proper pavement marking, signage
  - Public transit access and service



# STATEWIDE & LOCALLY IDENTIFIED NEEDS

- **VTrans**
- **PBSAP – US 29 is a PSAP corridor**
- **PSI – Several PSI locations**
- **Pedestrian connectivity (US 29 crossings)**
- **Enhanced Transit**

## 2023 Mid-Term Needs



Capacity Preservation



Bike & Pedestrian Access



Transit Access



Transportation Demand Management



Pedestrian Safety Improvement



Rail On-Time Performance

# EXISTING CONDITIONS — WHAT WE FOUND

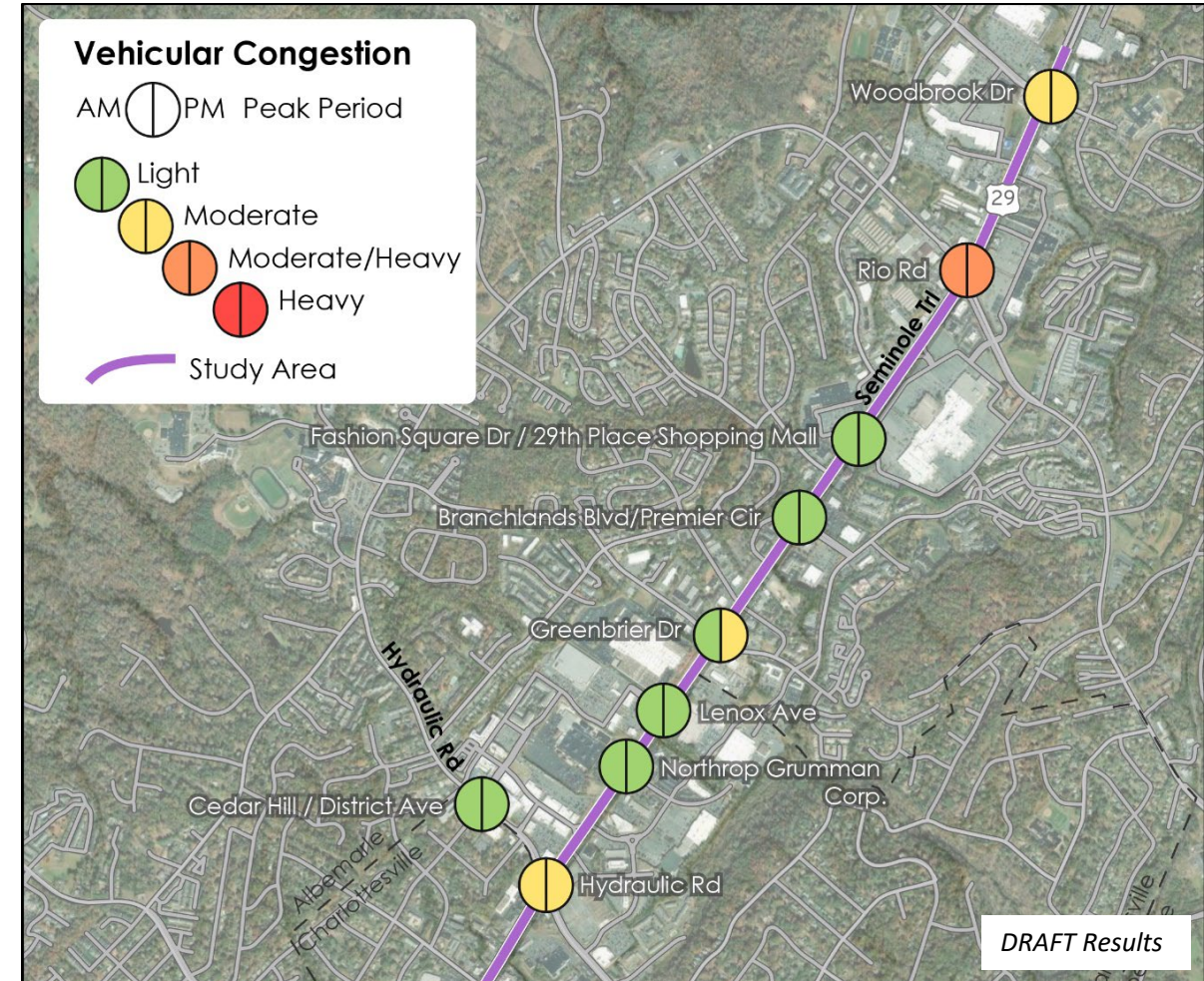
- Operations
- Safety
- Pedestrian and Cyclist Accessibility



# OPERATIONS

## ■ Results Summary

- Overall congestion is Light-to-Moderate/Heavy
- Signal timings are sufficient along US 29 - Queue lengths along are long but vehicles typically clear intersection in one cycle
- Delays and queues are mostly associated with minor movements from side streets
- There are some turning on US 29 mainline with more delay and queues



# EXISTING CONDITIONS SAFETY

## ■ Identified PSI Intersections:

- Woodbrook Drive
- Greenbrier Drive
- Seminole Court
- Hydraulic Road

## ■ Identified Fatal & Injury Crash Factors:

- Speed differentials for rear-ends
- High density of access points
- Congestion throughout the day
- Rear-ends more concentrated along northbound direction
- More angle crashes involving southbound movements



# CRASH SUMMARY (2019-2023)

## Woodbrook Drive

- 106 crashes
  - Congestion
  - Weaving
  - Red-light running

## Rio Road

- 75 crashes
  - Highest density at overpass & ramps
  - Underpass – weaving

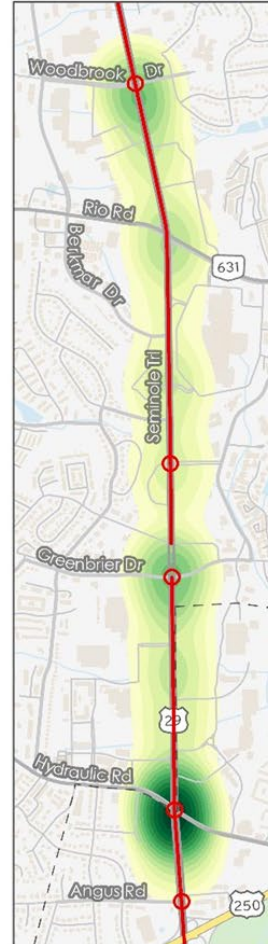
## Greenbrier Drive

- 98 crashes
  - Congestion
  - Lane utilization
  - Red-light running
  - 2 Ped incidents

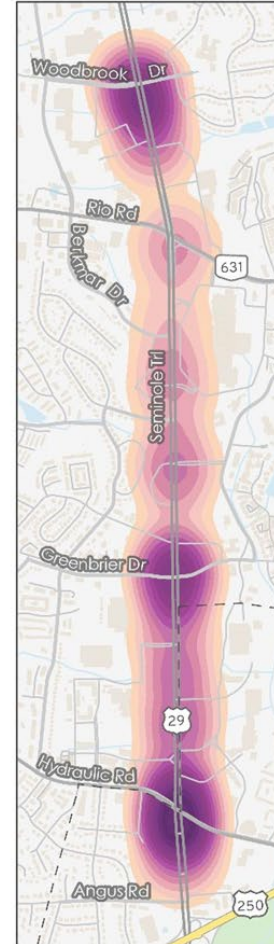
## Bicycle/Pedestrian Crashes

- PBSAP corridor
- 9 crashes, injury (88%)

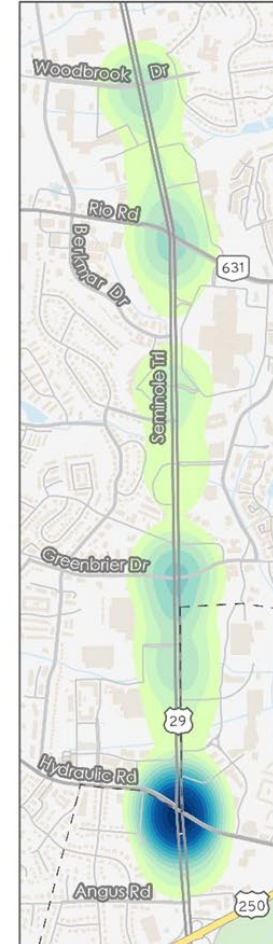
All Crashes



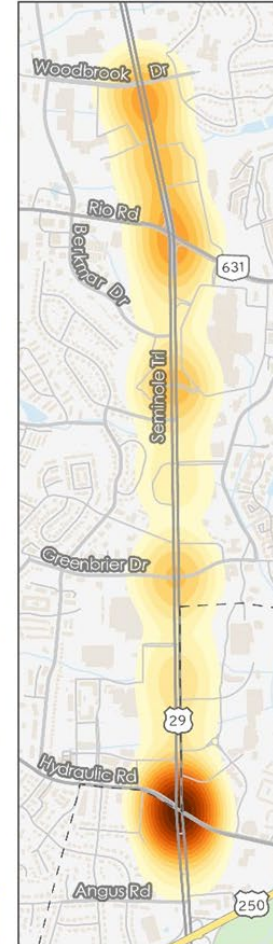
Rear End Crashes



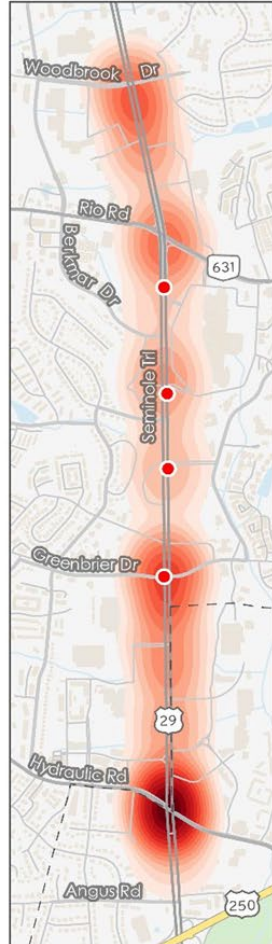
Angle Crashes



Lane Departure Crashes



Injury Crashes



# US 29 CORRIDOR FATAL CRASH REVIEW

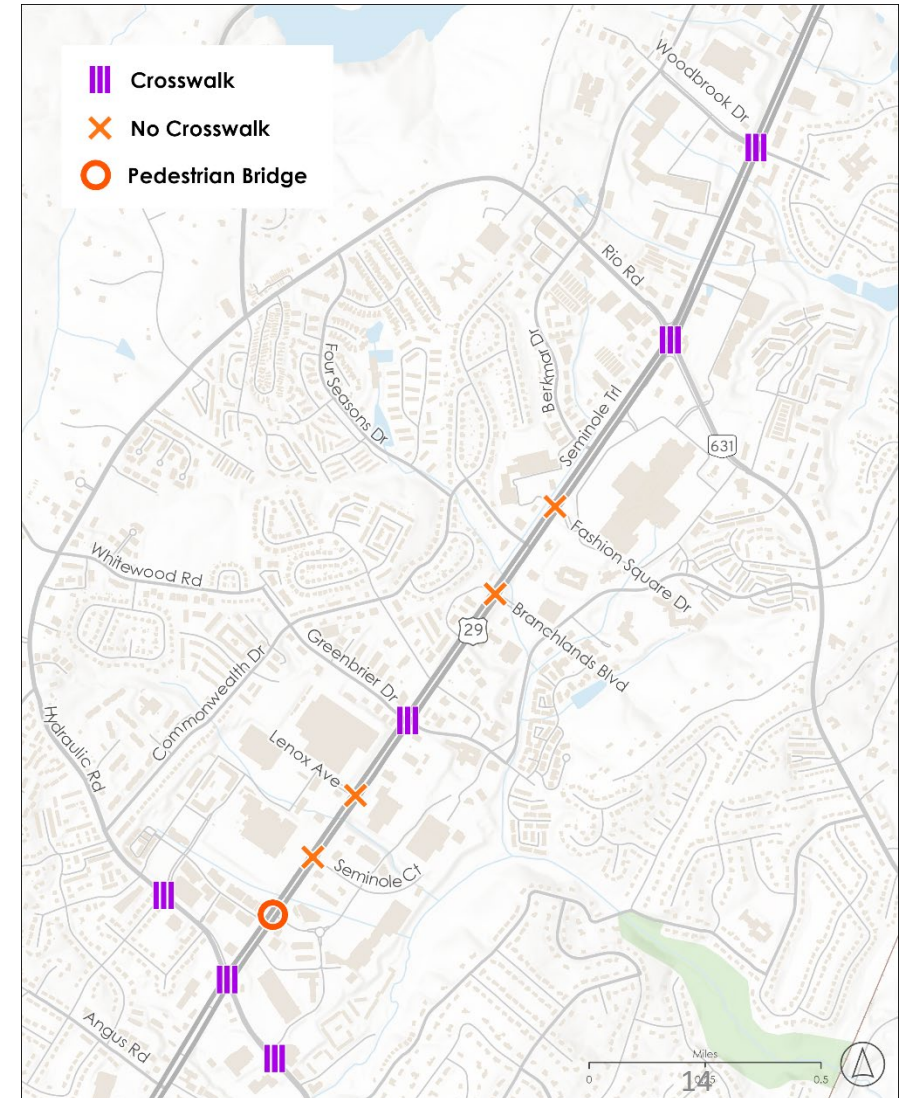
- **Four fatal crashes between 2019-2023**
- **2 pedestrian fatalities; both crossing US 29 at midblock/unmarked locations (1 near Rio Road involved alcohol)**
  - All occurred during evening hours
- **1 fatal angle crash at Greenbrier Dr; involved alcohol and wet, dark conditions**
  - NBL and SBT; SB thru ran red light
- **Rear-end crash at Branchlands Blvd**
  - Listed in police report that witnesses observed at-fault driver appeared to be having medical emergency; later succumbed to injuries
  - Occurred during the middle of the day

# EXISTING PEDESTRIAN ACCOMMODATIONS – US 29 CORRIDOR

## Intersections with marked crosswalks across US 29:

- Hydraulic Road (NB approach only)
- Greenbrier Drive (SB approach only)
- Rio Road (NB approach only)
- Woodbrook (SB approach only)

**Pedestrian Bridge near Zan Road currently in construction**



# BICYCLE AND PEDESTRIAN SUMMARY

- **Sidewalk network throughout corridor, no missing segments**
- **Few crosswalks across US 29 throughout corridor; only present at following intersections:**
  - Angus Road
  - Greenbrier Road
  - Rio Road
  - Woodbrook
  - Funded pedestrian bridge in vicinity of Zan Road
- **Observed pedestrians crossing US 29 at unmarked locations**
- **No shared-use path north of Angus Road; bicyclists use travel lanes**
- **Nine pedestrian crashes during analysis period (2019-2023)**
  - Four occurred at mid-block locations
  - Two fatal crashes occurred between Fashion Square Drive, Rio Road



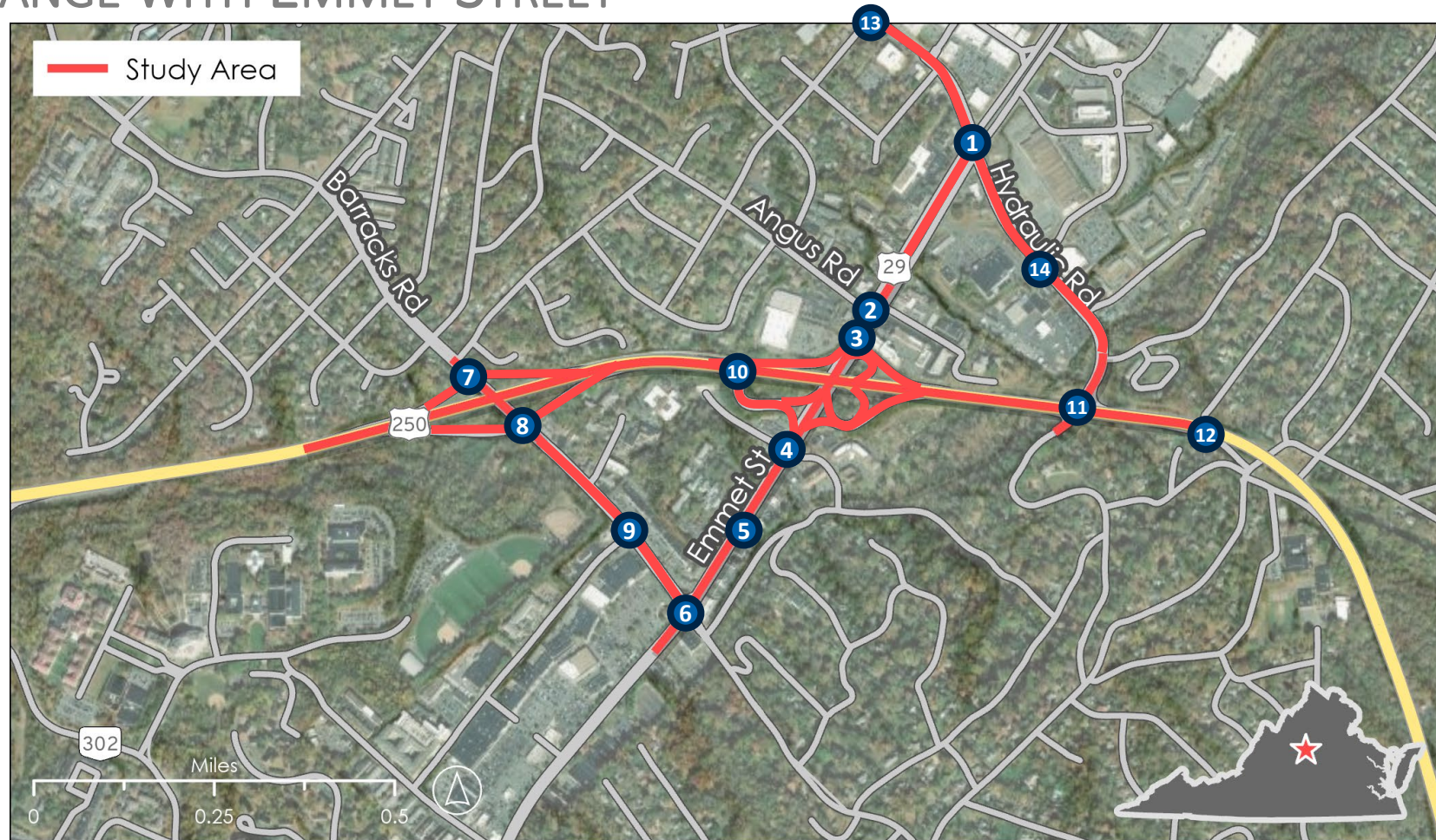
# STUDY #2

## US 29/250 BYPASS INTERCHANGE WITH EMMET STREET

### Data TMCs Collection:

1. US 29 and Hydraulic Road
2. US 29 and Angus Road
3. US 29 and US29/250 Bypass WB ramps
4. Emmet St and Earhart St/Morton Dr
5. Emmet St and Entrance to Fed Exec Institute
6. Emmet St and Barracks Rd
7. Barracks Rd and US29/250 Bypass WB ramps
8. Barracks Rd and US29/250 Bypass EB ramps
9. Barracks Rd and Millmont St
10. US29/250 Bypass and Ramp to SB Emmet St
11. Hydraulic Road and US29/250 Bypass
12. US29/250 Bypass and Ramp to Dairy Rd
13. Hydraulic Road and District Ave
14. Hydraulic Road and Hillsdale Dr

48-hr tube counts will also be collected.



# STATEWIDE & LOCALLY IDENTIFIED NEEDS

- **VTrans**
- **PBSAP – Emmet Street is a PSAP corridor**
- **PSI – Several PSI segments**
- **Enhanced Transit**

## 2023 Mid-Term Needs



Capacity Preservation



Bike & Pedestrian Access



Transit Access



Transportation Demand Management



Pedestrian Safety Improvement



Rail On-Time Performance

## EXISTING CONDITIONS — WHAT WE FOUND

- **Operations**
- **Safety**
- **Pedestrian and Cyclist Accessibility**



# OPERATIONS

## ■ Results Summary

- Overall congestion is Light-to-Moderate/Heavy
- Queue lengths are long but vehicles typically clear intersection in one cycle along US 29 within interchange area
- Delay along Barracks Rd and at intersection of Emmet St/Barracks is worse than other locations



# EXISTING CONDITIONS SAFETY

## ■ PSI Intersections:

- US 29 at Hydraulic Road
- US 29/US 250 SB Ramp at Barracks Road

## ■ Identified PSI Segments:

- Segment between Hydraulic Road and US 29/US 250 Interchange
- Segment between Morton Drive and Barracks Road
- Hydraulic Road segment between Hillsdale Drive and US 250 Bypass

## ■ Identified Fatal & Injury Crash Factors:

- Congestion throughout the day
- Interchange ramp geometry
- Off-road/Lane-Departures



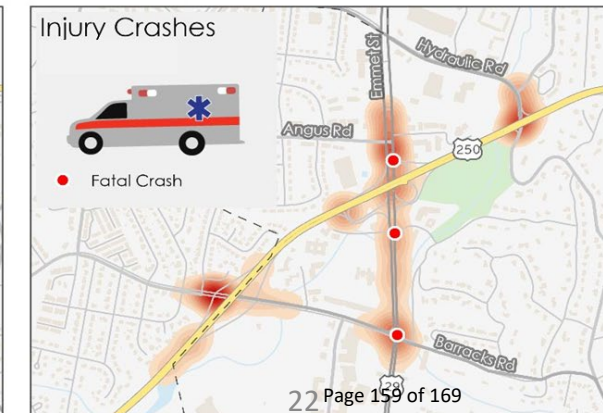
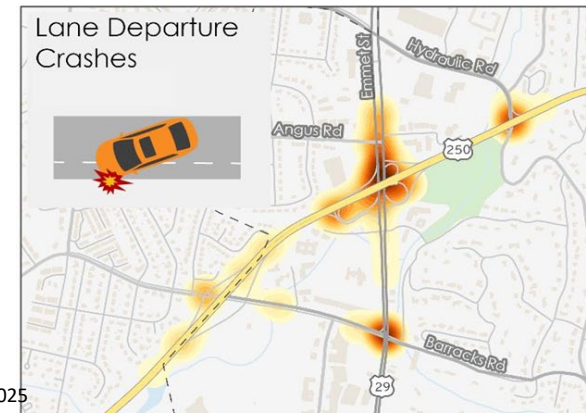
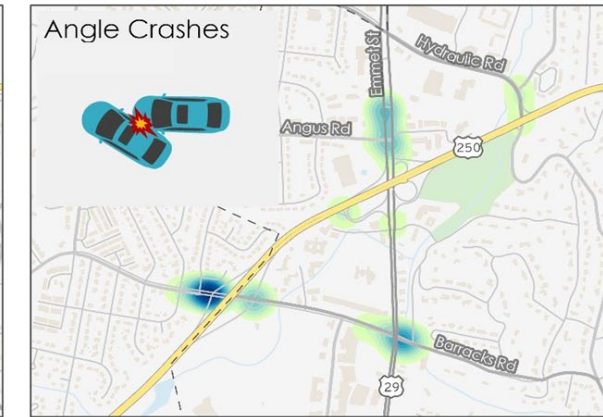
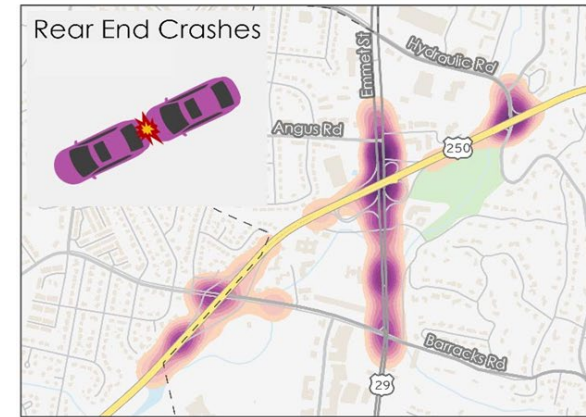
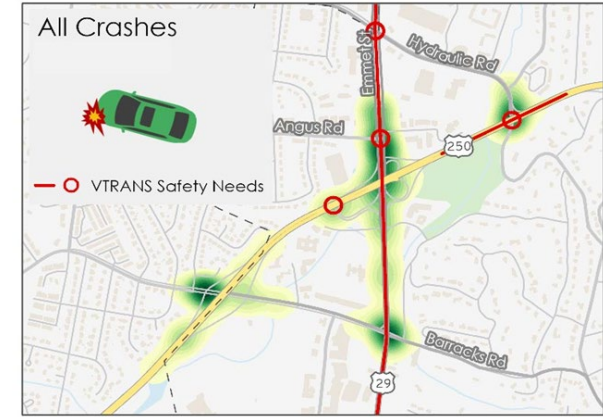
# CRASH SUMMARY (2019-2023)

## ■ Study Intersection Crash Hotspots

- Hydraulic Road/Emmett St – 212 crashes
- Angus Road/Emmett St – 53 crashes

## ■ Overall Crash Patterns

- Access management
  - Southbound between Kroger Way and Holiday Drive
  - Earhart/Morton Drive and 250 off-ramp
- Sideswipes
  - Approach of Hydraulic Road and 250 Bypass
- Interchange conflicts
  - Sideswipes
  - Fixed Object & Rear Ends



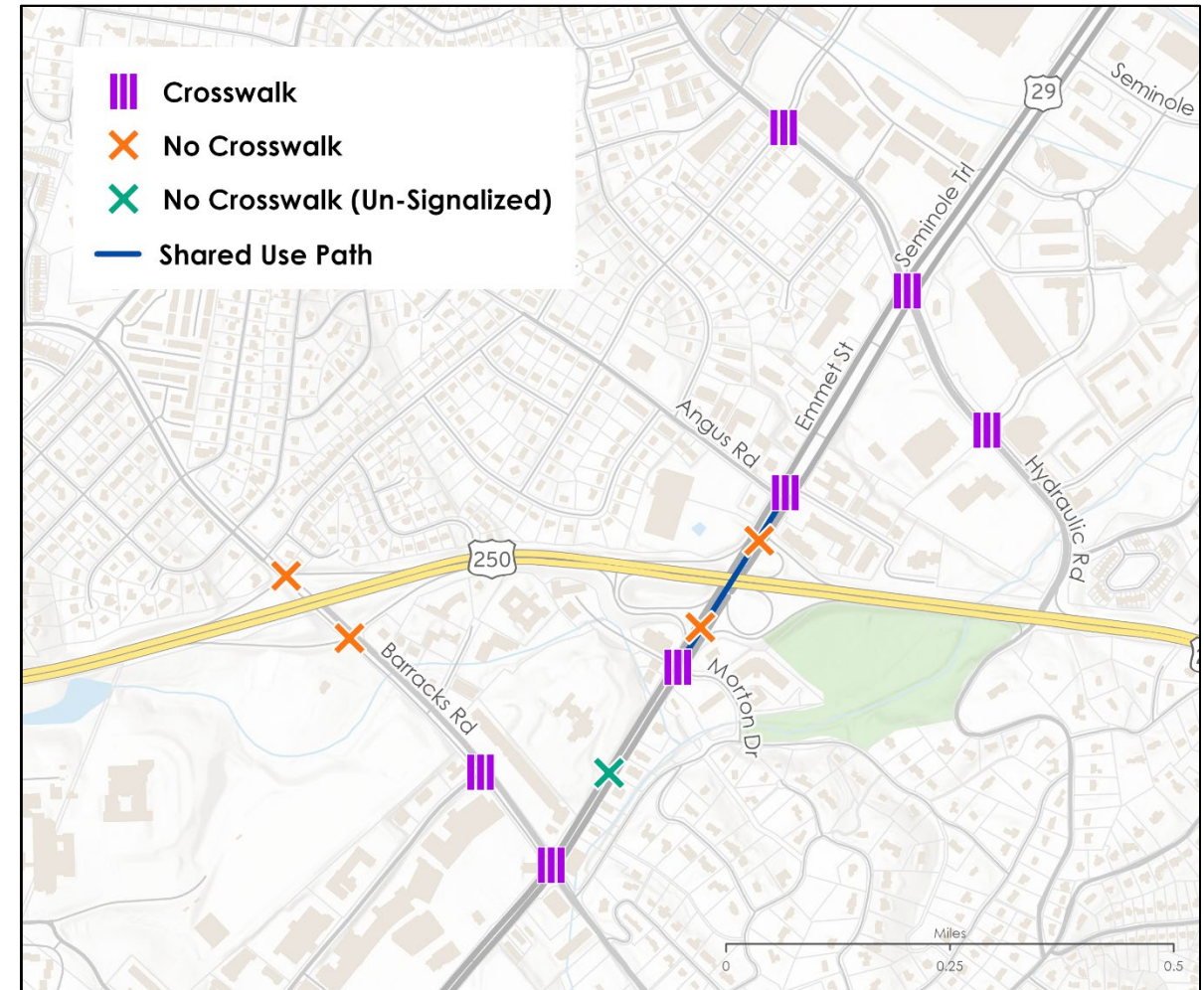
# US 29/250 INTERCHANGE – FATAL CRASH REVIEW

- **3 Fatal Crashes since 2019; all along Emmet Street**
  - 1 Angle, 1 rear-end, 1 Pedestrian
- **Angle crash occurred at Barracks Rd intersection**
  - According to report, Veh. 1 was attempting NBL and collided with SBT.
  - Report noted that NBT lanes had green light; possible Veh. 1 driver thought NBL had the green light as well
  - Occurred at 10:46 AM; Rainy conditions were reported
  - **LT signals are not on mast arm, but pole mounted**; appears to have visibility concerns
- **Pedestrian crash occurred at Morton Drive**
  - Vehicle had right-of-way, struck pedestrian using marked crosswalk
  - Report indicates that alcohol was involved; occurred at 8:01 PM
- **Rear-end crash near WB on/off-ramps at interchange**
  - Motorcycle lost control heading northbound on Emmet, struck vehicle
  - No adverse conditions were reported; speed listed
  - Possible that motorcycle was coming from interchange off-ramp to NB 29 and lost control

## EXISTING PEDESTRIAN ACCOMMODATIONS – INTERCHANGE AREA

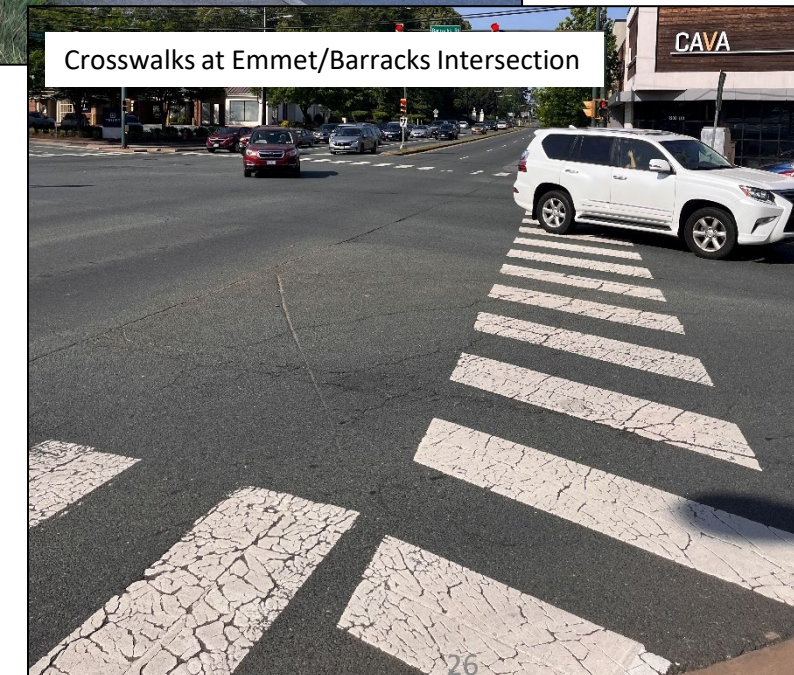
## Intersections with marked crosswalks across Emmet Street:

- Angus Road (NB approach only)
- Morton Drive
- Barracks Road



# BICYCLE AND PEDESTRIAN SUMMARY

- Sidewalk network throughout corridor, no missing segments
- Crosswalks present at all signalized intersections along Emmet Street
- Shared-use path within median from Morton Drive to Angus Road
- Three pedestrian crashes during analysis period (2019-2023), including one fatal
  - Two occurred near Angus Road
  - Fatal crash occurred at Morton Drive; police report noted pedestrian may have been intoxicated.



# NCHRP 948 BIKE/PED RED FLAG ANALYSIS - OVERVIEW

- **NCHRP 948 is a bicycle and pedestrian intersection safety analysis tool.**
  - Analysts complete a **20-flag survey of each movement** at an intersection to determine **possible conflicts** between auto and pedestrian or bicycle movements.
- **Conflicts are given yellow or red flags based on severity.**
  - Severity is determined by characteristics like vehicular speed, volume, existing roadway design, or lack of critical infrastructure.
- **Goal of the analysis is to identify opportunities to improve roadway design for bicycles and pedestrians from existing conditions.**
  - Engineers are **not** typically trying to resolve every problem flagged.
  - Stakeholders and engineers must work together to identify **priority flags** to resolve.

# BIKE/PED RED FLAG ANALYSIS FINDINGS

## ■ Most Common Pedestrian Red Flags:

- Flag #1: Motor Vehicle Right-Turns
- Flag #3: Nonintuitive Motor Vehicle Movements
- Flag #4: Crossing Yield- or Uncontrolled Vehicle Paths
- Flag #7: Multilane Crossings
- Flag #10: Motor Vehicle Left-Turns

## ■ Most Common Bicycle Red Flags:

- Flag #6: Executing Unusual Movements
- Flag #13: Grade Change
- Flag #15: Bicycle Clearance Times
- Flag #17: Channelized Lanes



Flag #1: SB right turns in conflict with pedestrians  
Flag #7: Multilane Crossings  
Flag #10: Motor Vehicle Left-Turns across pedestrian path

# EXISTING CONDITIONS - TRANSIT

## ■ Existing Service Providers

### ■ Charlottesville Area Transit

- Operates fixed route and microtransit service covering the City of Charlottesville and urban Albemarle County

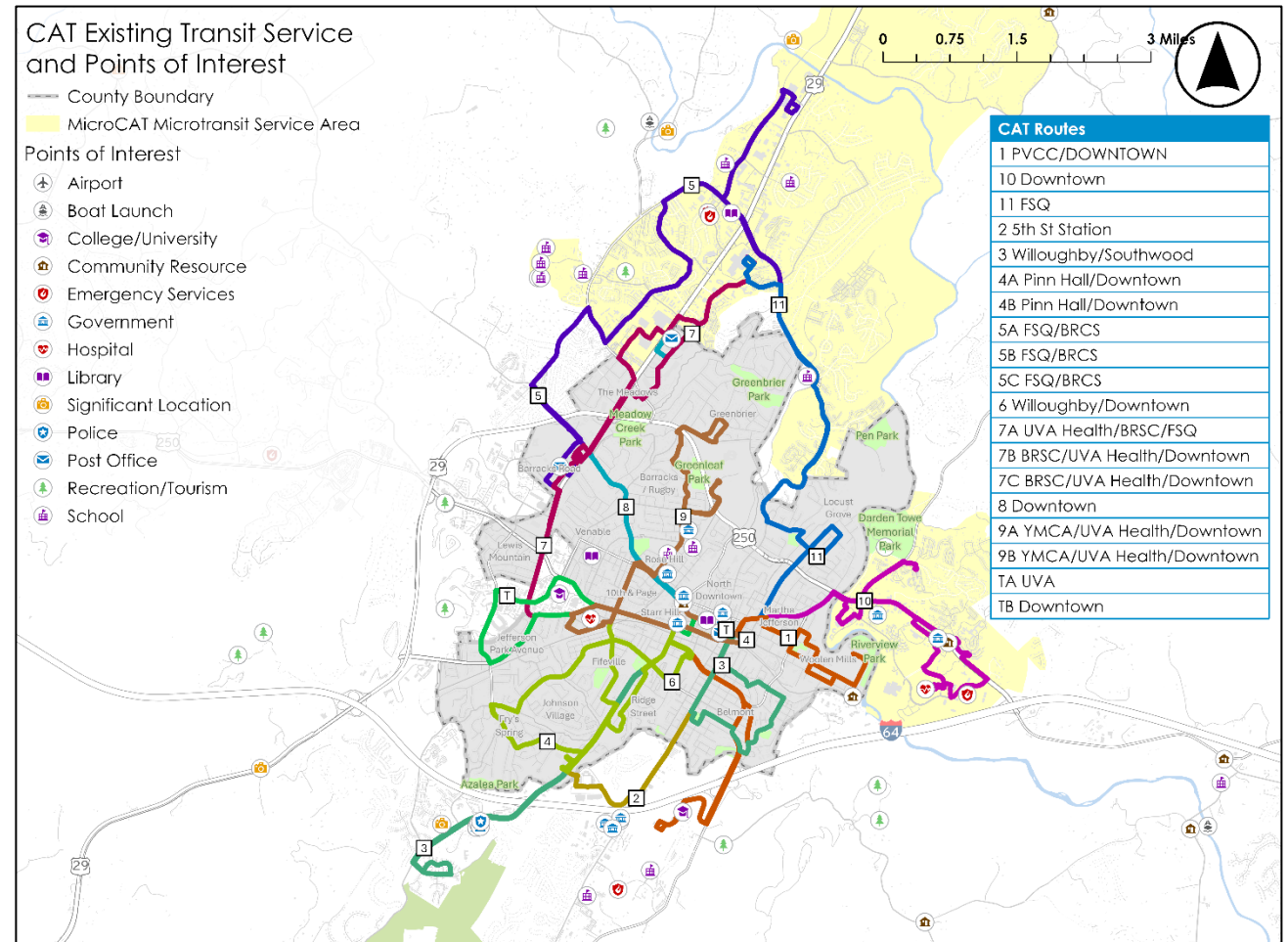
### ■ 2 routes on or around US 29:

- 5, 7, and 8

### ■ MicroCAT zone: US 29 Zone

### ■ Jaunt Transit

- Operates commuter service and demand-response in region
- 29 North Connect commuter route



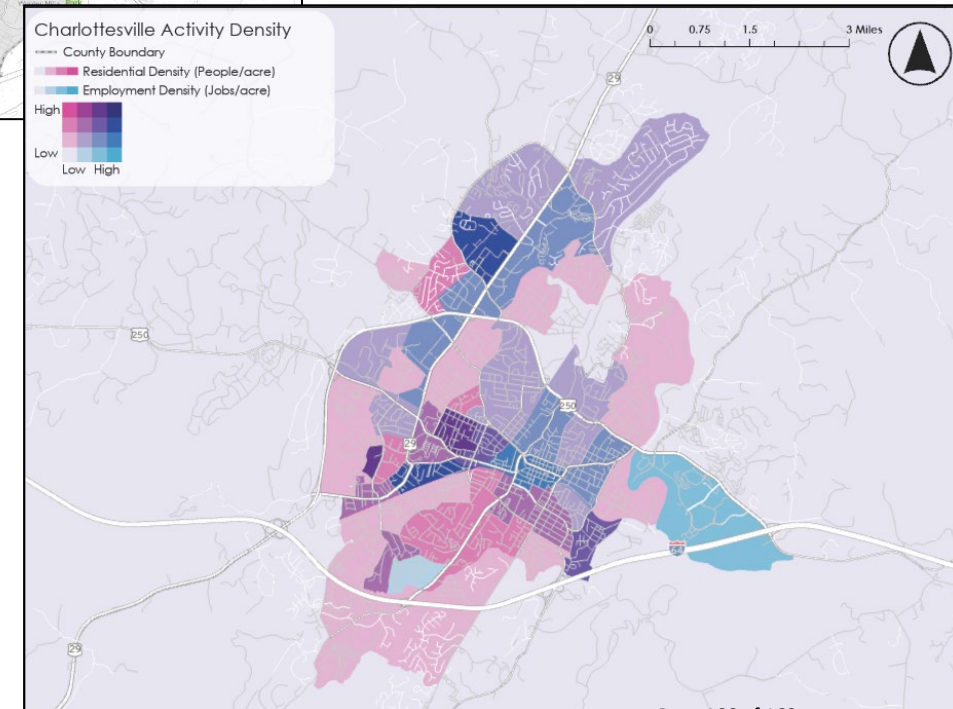
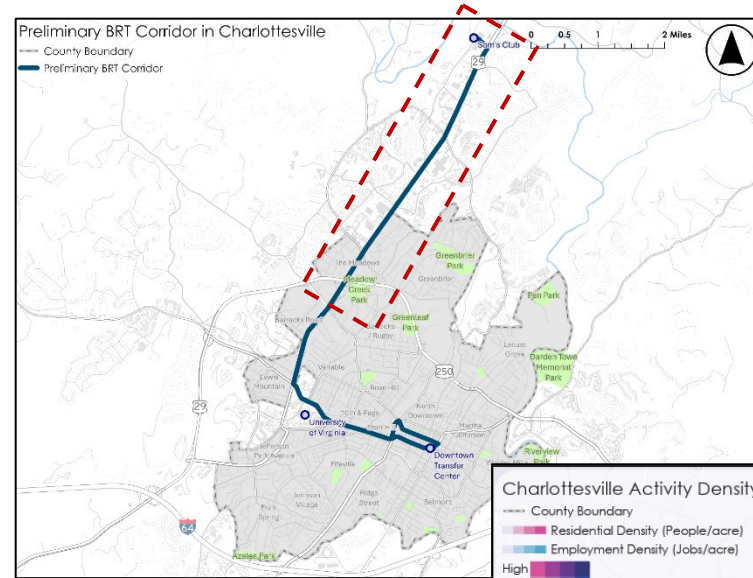
# EXISTING CONDITIONS - TRANSIT

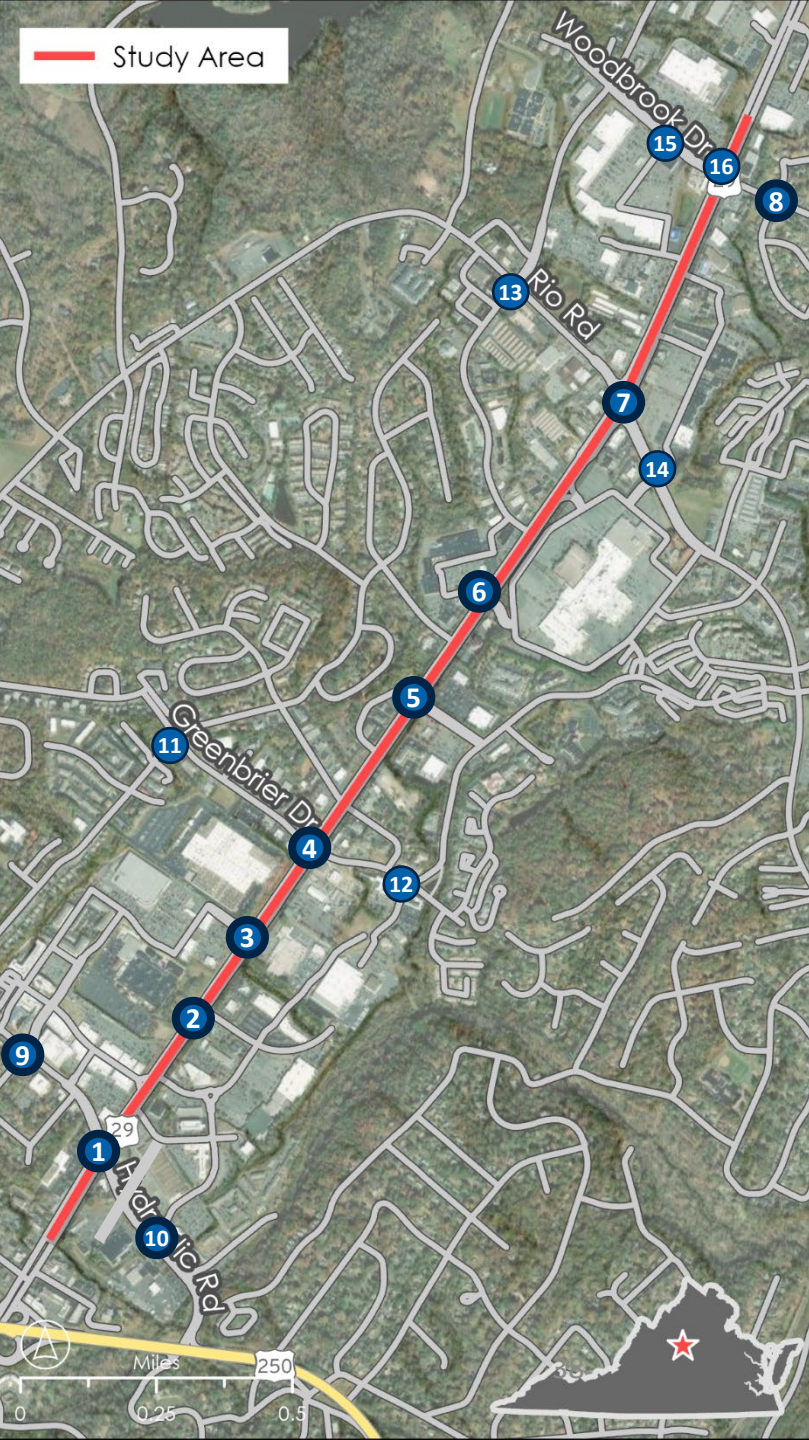
## ■ Analysis Objectives:

- Identify potential high-frequency transit alternatives in US 29 corridor between Downtown and US 29 North
- Ensure no other recommendations preclude high-capacity transit in future.

## ■ Analysis Steps:

- Determine potential alignment and station locations based on activity density, redevelopment potential, and operational feasibility
  - Residential and employment density
  - Redevelopment potential (ownership patterns, parcelization, future land use, etc.)
  - Multimodal accessibility





## Toolbox of Solutions:

### ■ Innovative Intersections

- Bowtie Intersections, Roundabouts, Restricted Crossing U-Turns, Continuous Green-Ts, etc.

### ■ Traditional Improvements

- Turn lane improvements, signal timing optimization, etc.

### ■ Bike/Ped Improvements

- Crosswalks at targeted locations, shared-use paths, pedestrian bridge, transit service upgrades, etc.

### ■ Low-Cost Improvements

- Signal timing optimization, turn lanes, hard separation barriers to prevent weaving, etc.

## Solutions will be targeted to:



Reduce delay for side-street movements without compromising US 29 through movements



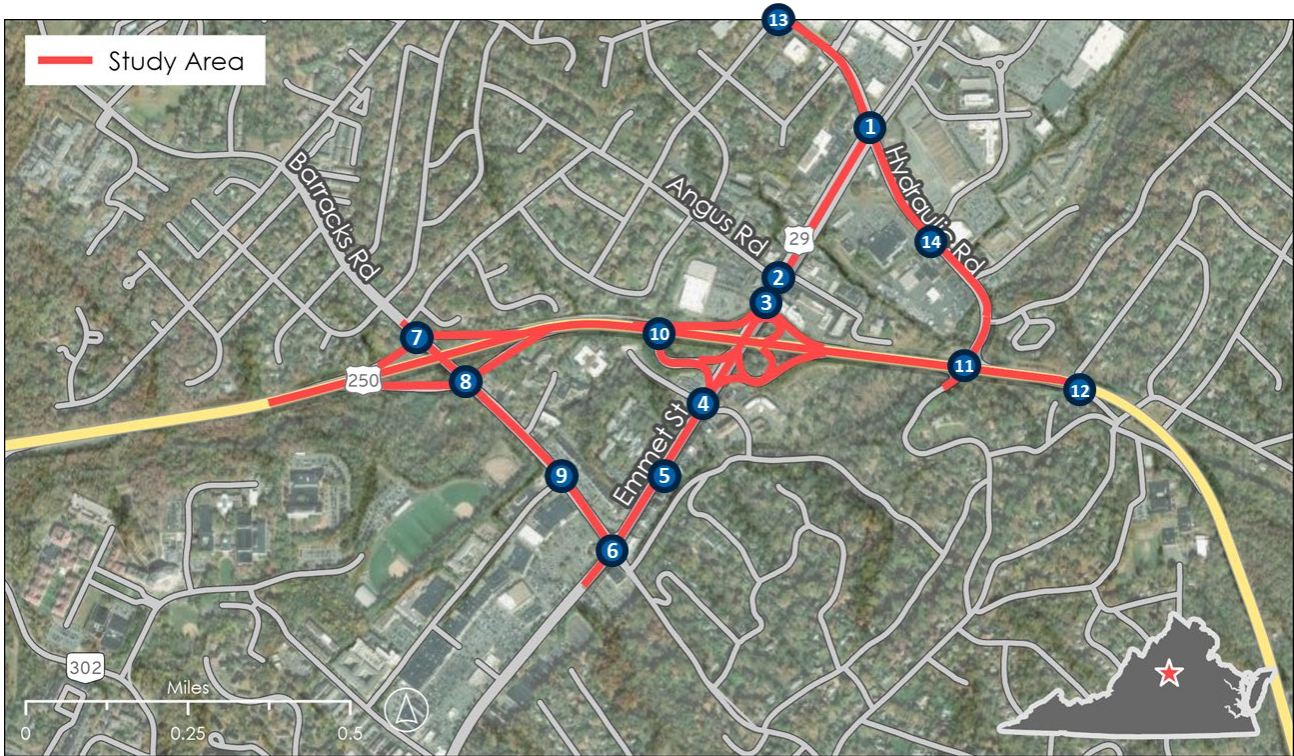
Mitigate risk of angle and rear-end collisions



Improve reliability of travel times throughout the corridor



Provide pedestrian accommodations at targeted locations



**Toolbox of solutions:**

- Interchange Modification
  - Innovative interchange solutions
- Traditional Improvements
  - Ramp improvements
- Bike/Ped Improvements
  - Shared-use paths, pedestrian bridge, transit service upgrades, etc.
- Low-Cost Improvements
  - Signal timing optimization, turn lanes, hard separation barriers to prevent weaving, etc.

**Solutions will be targeted to:**



Alleviate congestion associated with current interchange design



Mitigate risk of angle and rear-end collisions near ramp termini and along the bypass



Preserve capacity at interchange while improving operations

# STUDY CONTACTS

## **VDOT District Contact**

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## **VDOT District Contact**

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