

December 20, 2023

# Request for Proposals ("RFP") Number 1-006-23-0002 Pre- Proposals Meeting

## Richmond to Raleigh "R2R" Preliminary Engineering



# Safety Reminder

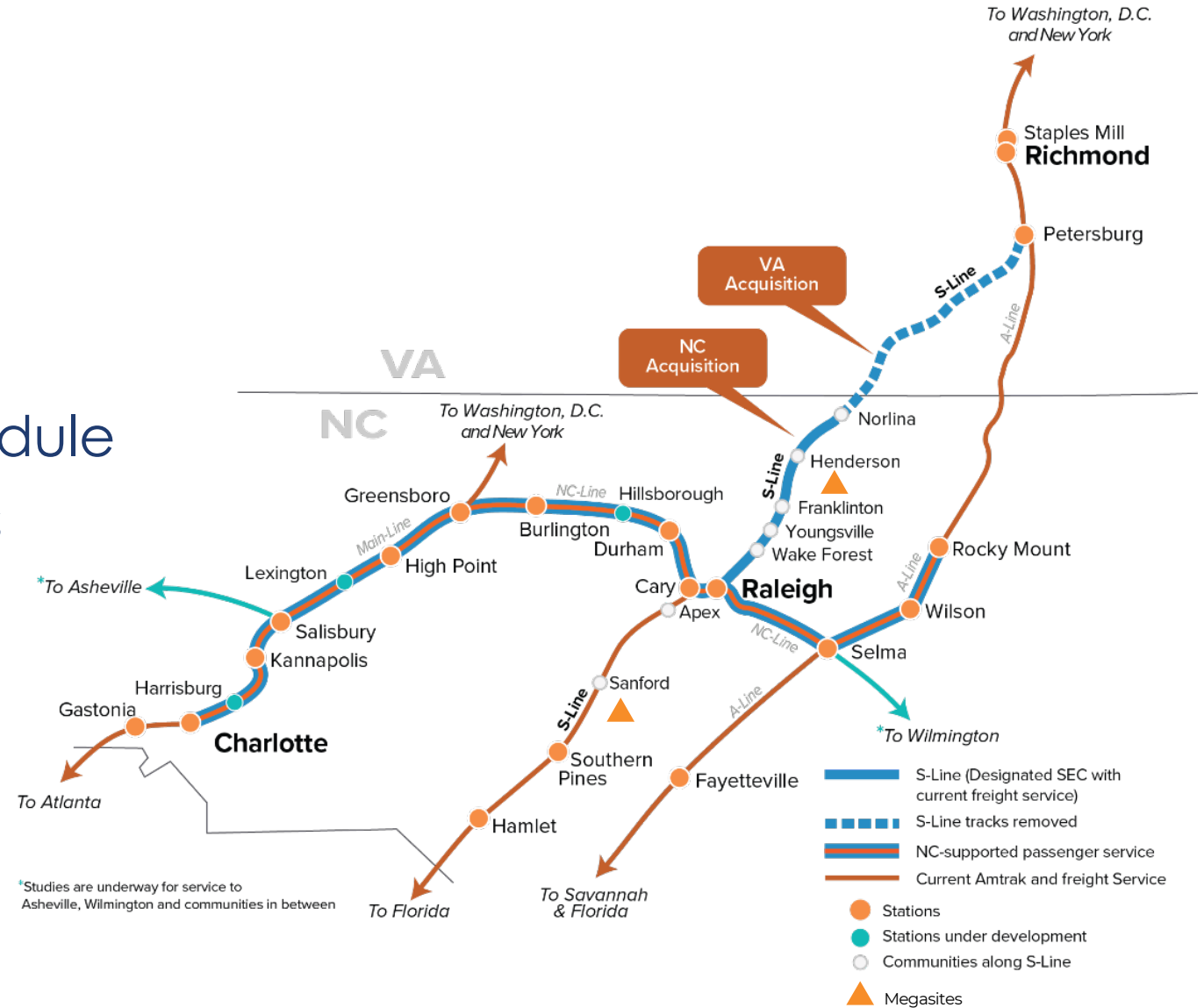
- Be aware of your surroundings (home and/or office).
- Slips, Trips and Falls hazards are everywhere / plus winter is coming.
- If anyone has an emergency, please leave the virtual meeting and go to a safe place. This meeting is not mandatory, and the presentation will be posted online.
- VPRA requests that its consultants and contractors make safety its top priority.

# Meeting Disclaimer

- This meeting is for informational purposes only. Statements or representations made during this meeting are **not** legally binding.
- Refer to the procurement documents for the terms and conditions of this procurement.

# Agenda

- Meeting Purpose
- VPRA and NC Personnel
- VPRA Overview
- R2R Project (VA and NC)
- Anticipated Procurement Schedule
- Request for Proposals Highlights



# Introduction of Teams

- Michael McLaughlin, Chief Operating Officer
- Troy Creasy, NCDOT Manager of Design & Construction
- John Kearney, Vice President Engineering & Construction
- Jason Lofgreen, Procurement





# Virginia Passenger Rail Authority

- Created in 2020 by the General Assembly
- Given all powers necessary for carrying out its statutory purposes:
  - Design, build, finance, and maintain rail facilities
  - Direct recipient of USDOT Grants
  - Eminent domain powers
- Own rail assets and right of way
- Partner with Amtrak and VRE to operate passenger and commuter rail service
- Governed by a 15-Member Board





# TRV: Benefits Whole East Coast

– Additional capacity will benefit travel to and from Norfolk, North Carolina and the Southeast Corridor

## PHASE 1 & 2 IMPROVEMENTS AND HIGHLIGHTS

### RAIL CORRIDOR IMPROVEMENTS

Construct 37 Miles of New Track

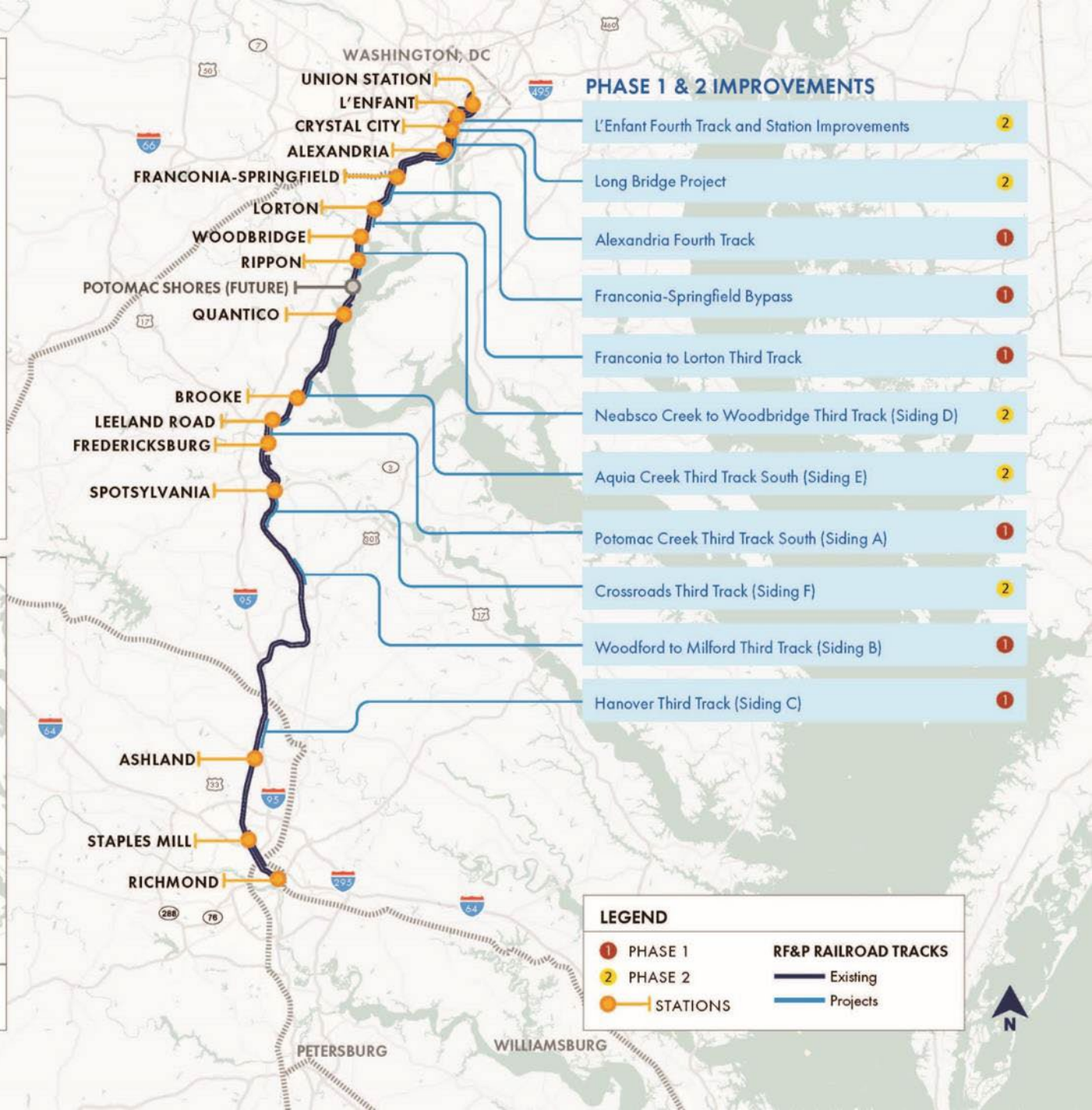
- 1 PHASE 1  
(Complete 2026) 23 miles of new track
- 2 PHASE 2  
(Complete 2030) 14 miles of new track

### RAILROAD RIGHT-OF-WAY (ROW) AND TRACK ACQUISITION

Purchase of 384 Miles of Railroad ROW and 223 Miles of Track

- SEGMENT 1  
Half of CSXT ROW between Washington, DC and Petersburg, VA (145 miles), and 44 miles of track
- SEGMENT 2  
All of CSXT ROW (abandoned rail line between Petersburg, VA and Ridgeway, NC [75 miles])
- SEGMENT 3  
Nearly all of CSXT ROW between Doswell, VA and Clifton Forge, VA (164 miles), and 179 miles of track

### NETWORK MAP



## PHASE 1 & 2 IMPROVEMENTS

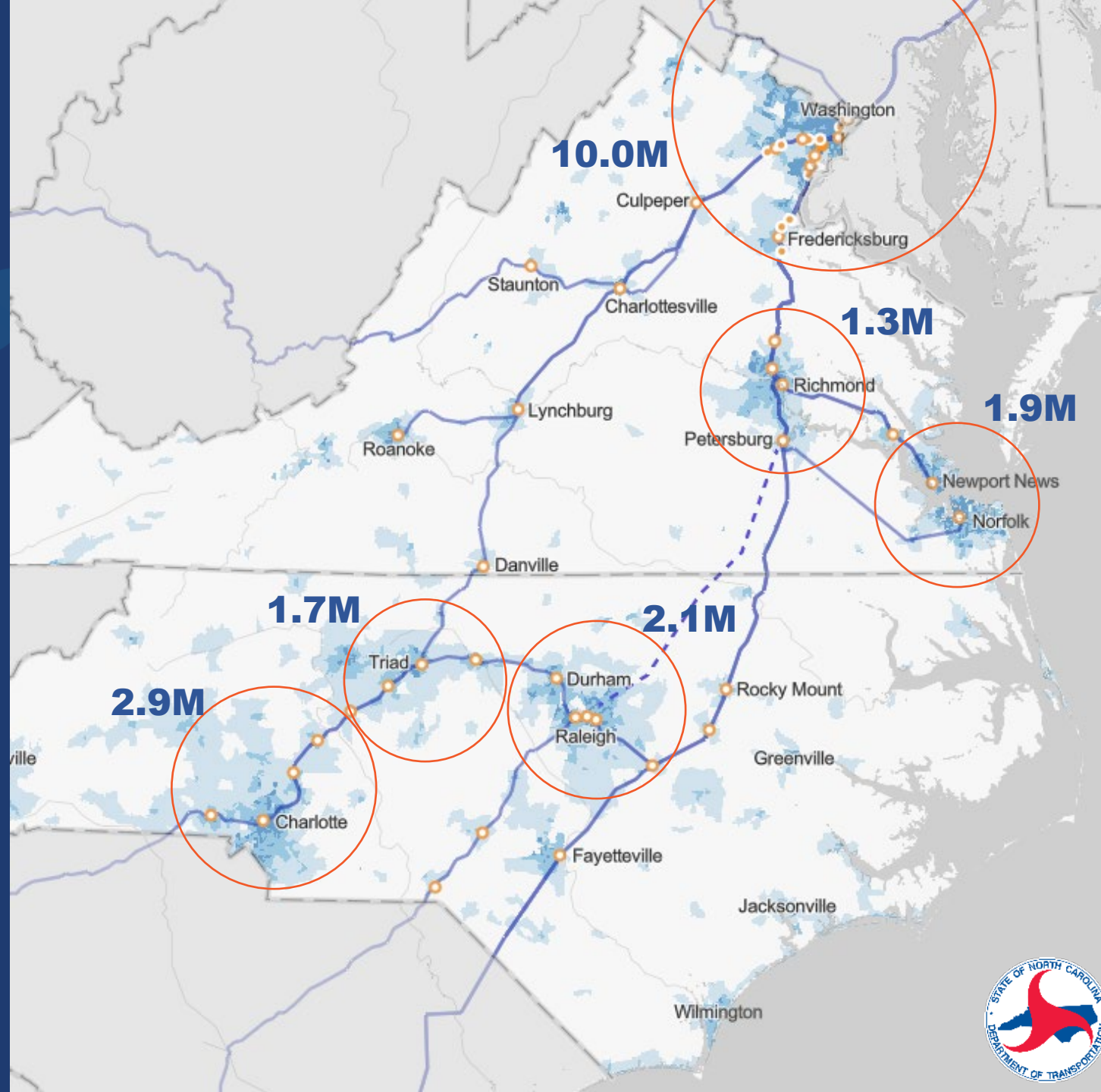
- L'Enfant Fourth Track and Station Improvements 2
- Long Bridge Project 2
- Alexandria Fourth Track 1
- Franconia-Springfield Bypass 1
- Franconia to Lorton Third Track 1
- Neabsco Creek to Woodbridge Third Track (Siding D) 2
- Aquia Creek Third Track South (Siding E) 2
- Potomac Creek Third Track South (Siding A) 1
- Crossroads Third Track (Siding F) 2
- Woodford to Milford Third Track (Siding B) 1
- Hanover Third Track (Siding C) 1

### LEGEND

- 1 PHASE 1
- 2 PHASE 2
- STATIONS
- RF&P RAILROAD TRACKS
  - Existing
  - Projects

# DC to Charlotte: S-Line the Centerpiece

- Direct connection between urban centers – 20M people – estimated to be 25M by 2040
- Additional capacity and over an hour in travel time saved between NC and VA
- Backbone of a regional multi-modal network
- Critical to further expanding the NC passenger rail system
- Provides rail network resiliency
- Environmental benefits
- Expands service to disadvantaged and underserved regions



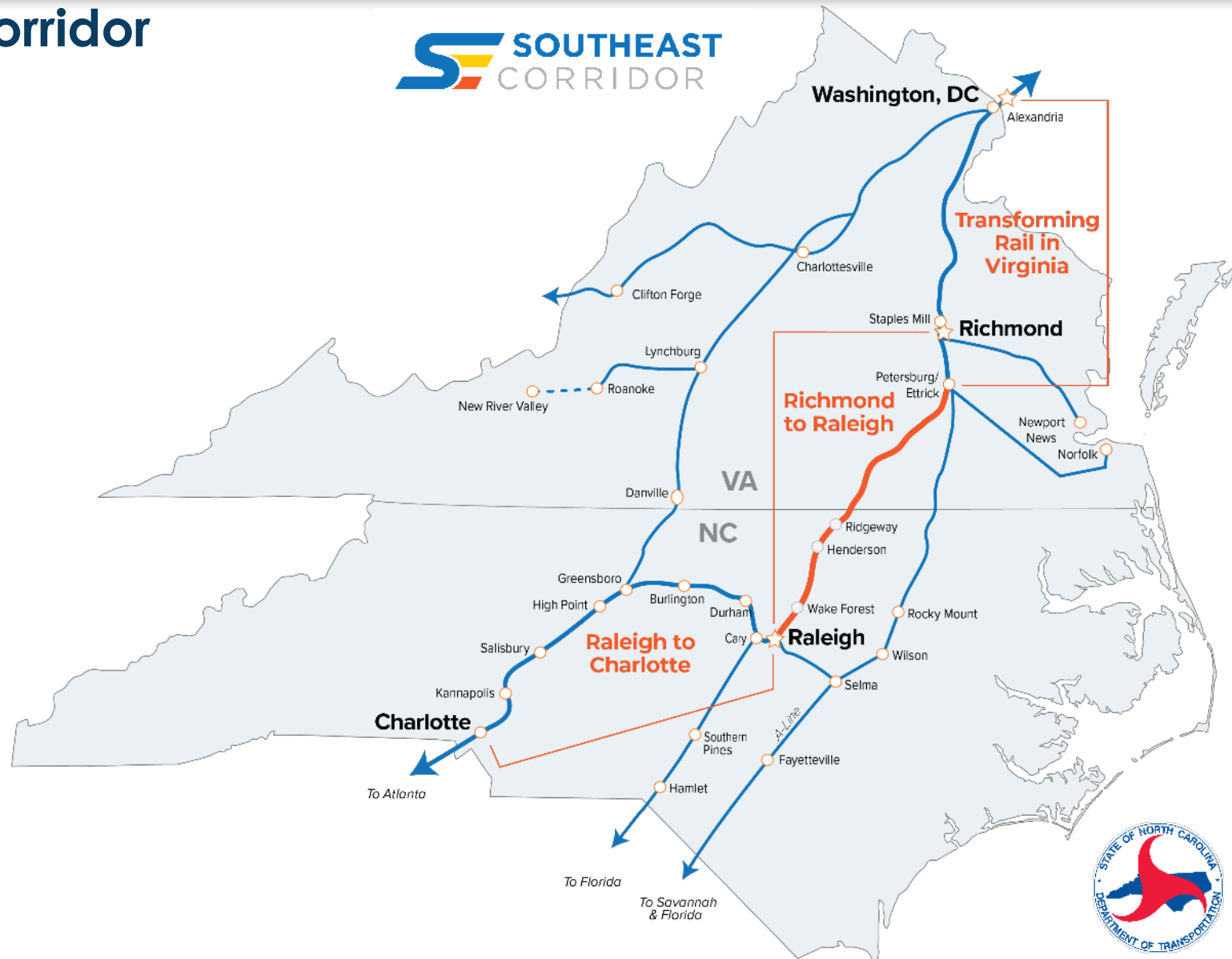


# DC to Charlotte

## Connecting the Southeast Corridor

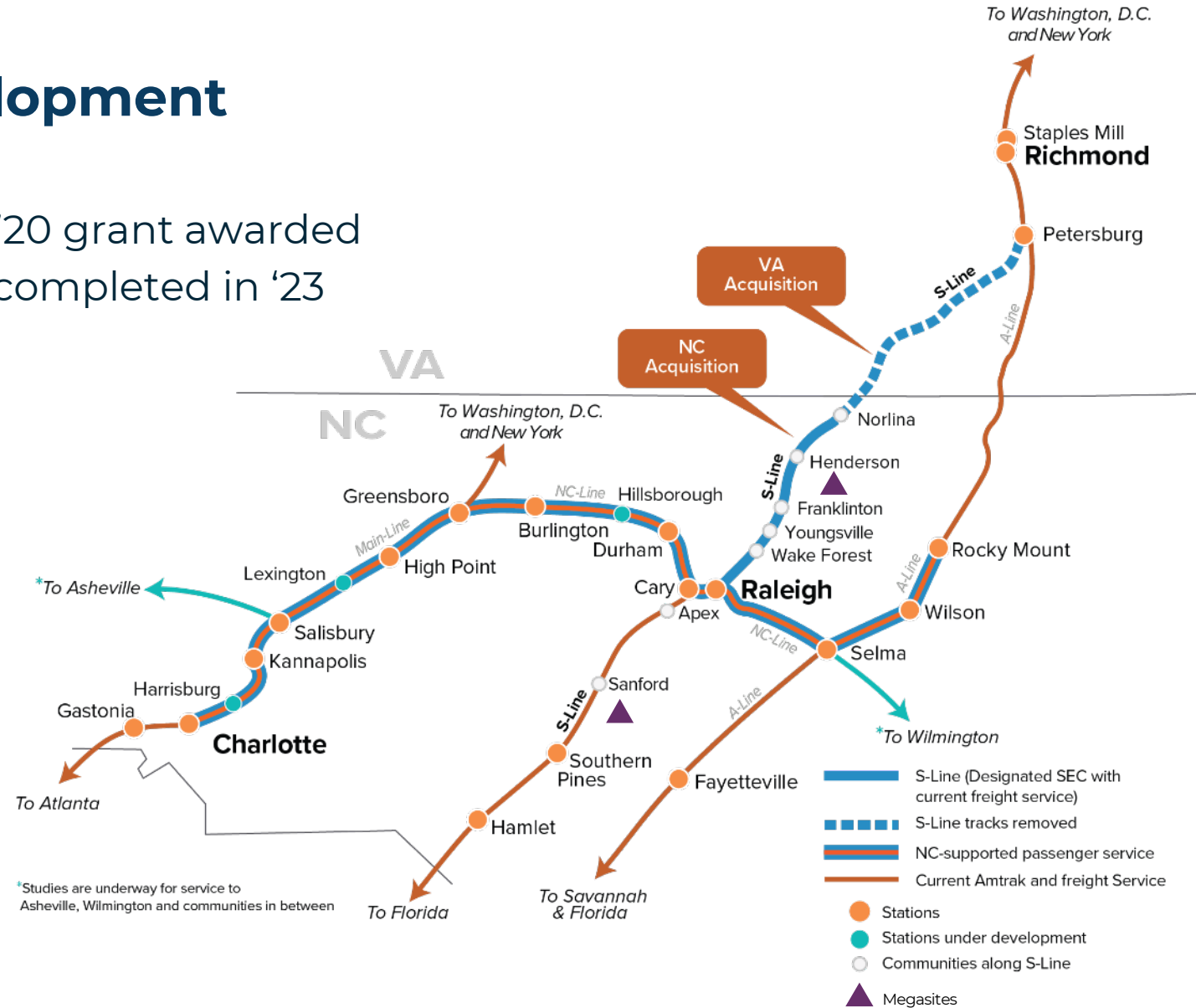
### R2R is the missing link

- **DC to Richmond**
  - *Transforming Rail in Virginia*
  - Led by VA
- **Richmond to Raleigh (R2R)**
  - New S-Line Connection
  - Connects NC and VA systems
  - Partnership with Virginia
- **Raleigh to Charlotte**
  - *Piedmont Improvement Program* Completed, 2017
  - Additional incremental improvements



# NCDOT S-Line Corridor Development

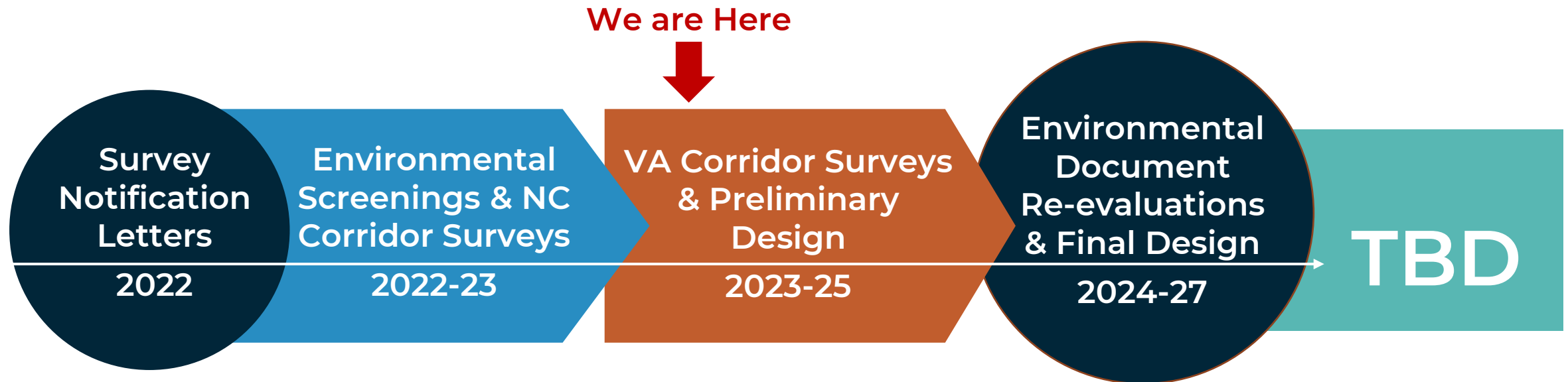
- ✓ S-Line corridor acquisition FRA CRISI '20 grant awarded
  - ✓ FTA TOD study grant awarded in '20, completed in '23
  - ✓ Mobility Hub USDOT RAISE grant for PE / NEPA awarded '22
  - ✓ S-Line 30% engineering FRA CRISI '21 grant awarded
  - ✓ S-Line Raleigh to Wake Forest construction to FRA Fed-State Partnership awarded '23
  - ✓ S-Line components to FRA Corridor ID awarded '23
- 
- FRA Fed-State Partnership '24 – seeking to submit Wake Forest to Henderson for construction



## R2R Conceptual Program Schedule

### NCDOT Status:

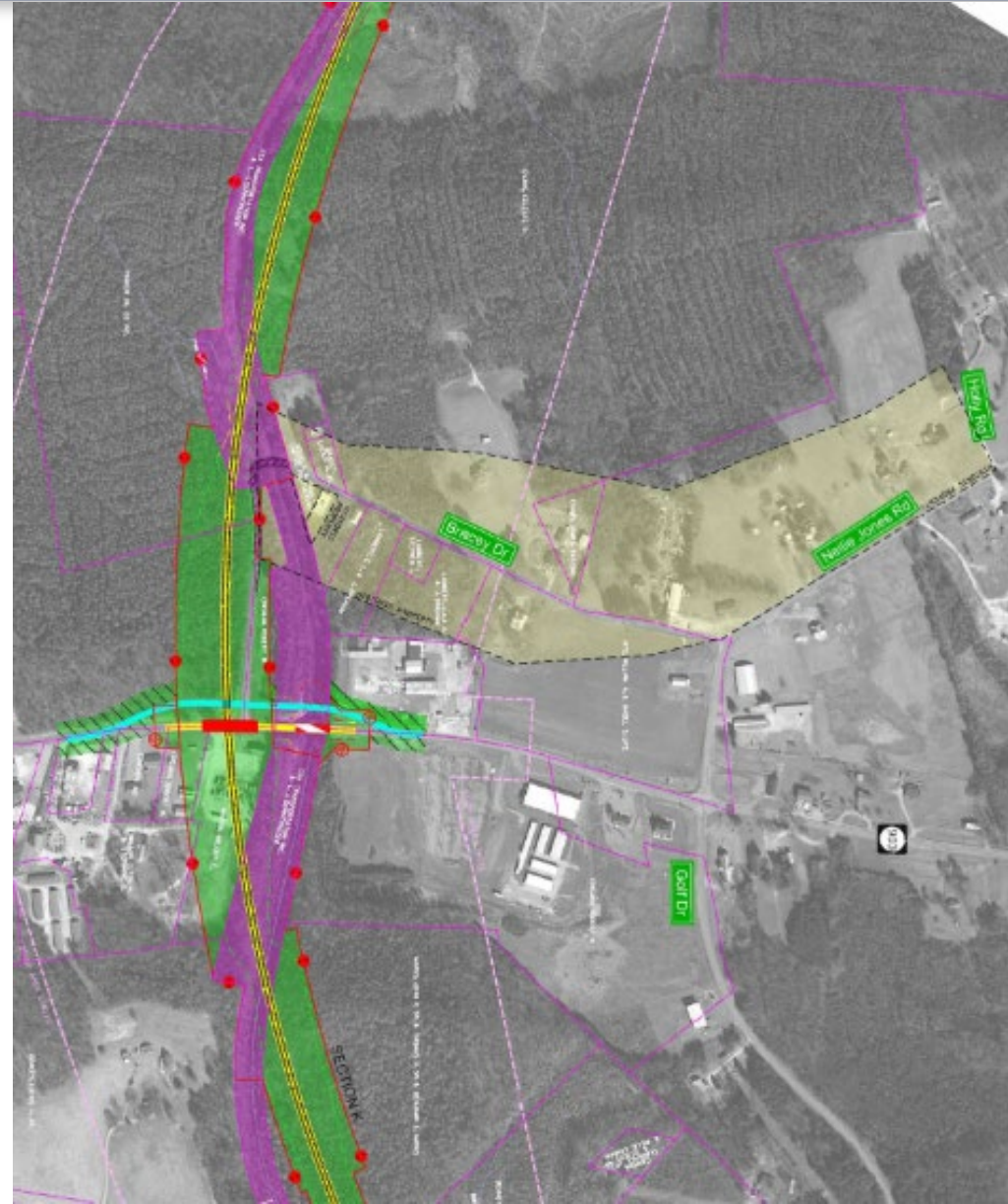
- Photogrammetry in NC / VA Complete
- NC Surveys scheduled to be complete 1Q '24
- Selected GEC Firms:
  - VA Rail / Roadway: VHB
  - NC Rail: Benesch
  - NC Roadway: TGS and RK&K
- Selected Preliminary Engineering firms for NC Rail and Roadway Segments
  - NTP to be issued 1Q '24 w/ survey receipt
  - Selections on connect.ncdot.gov
- Environmental Screening for NC and VA to be completed in 1Q '24





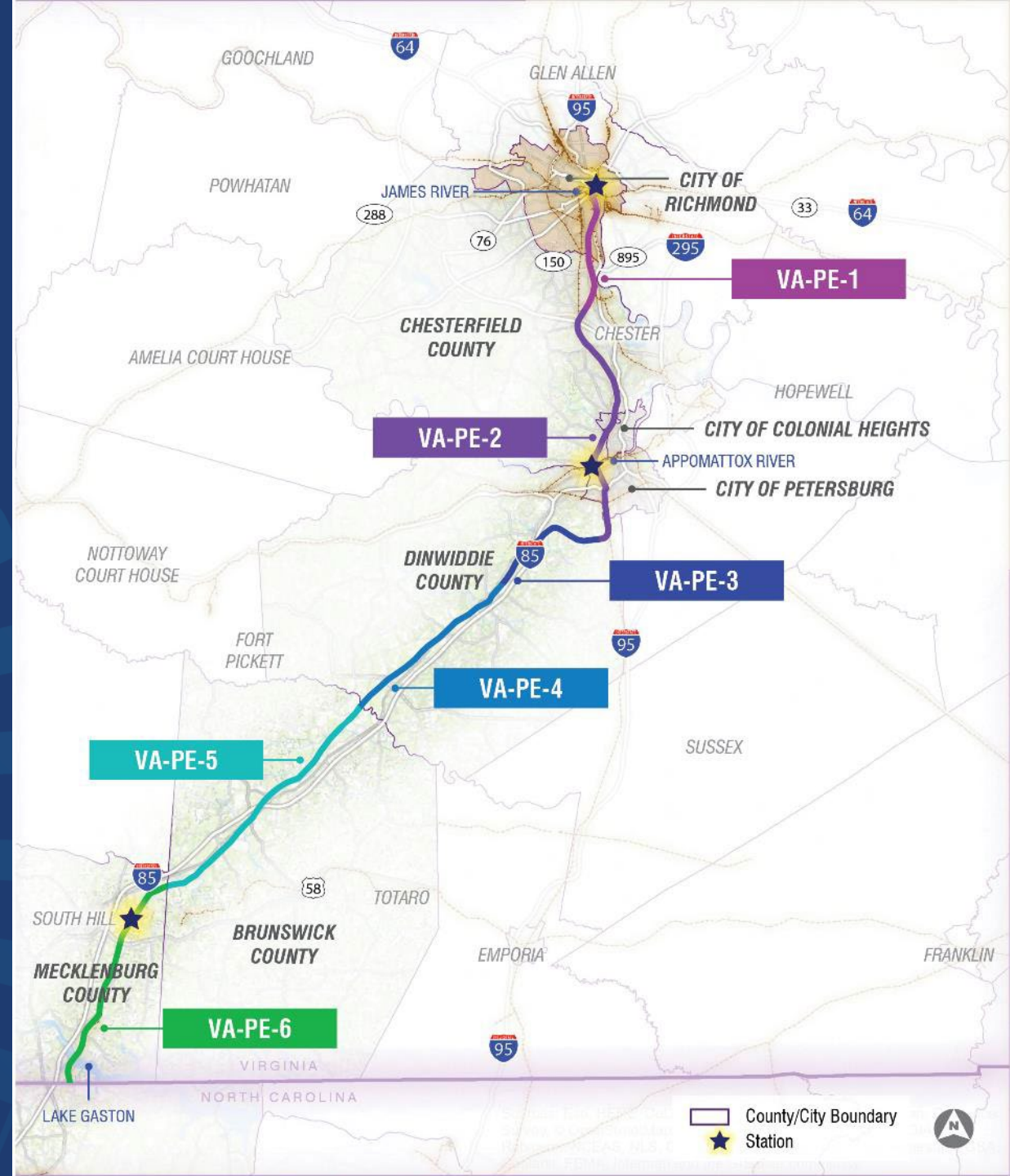
# Richmond to Raleigh: S-Line Corridor

- NCDOT and VPRA in 2022 received a \$58M grant from the FRA for survey and preliminary engineering.
- Corridor photogrammetry/survey underway.
- Community engagement ongoing.
- PE procurement underway.
- While the vast majority of the abandoned S-Line has been acquired from CSXT there are additional non-CSXT owned parcels that need to be acquired.



# VA PE Design Segments

| Segment   | Track Miles | Key Features   |
|---|-------------|--|
| <b>VA-PE-1</b><br>Richmond to Bellwood<br>S-0.0 to S-9.8      | 9.8         | <ul style="list-style-type: none"> <li>Active S-Line corridor</li> <li>Proposed double tracking of existing single-track S-Line</li> <li>Proposed connections to existing freight tracks</li> <li>Proposed at-grade crossings of existing freight tracks</li> <li>Existing Main Street station platform to remain</li> <li>Proposed Main Street station platform to be added</li> <li>Three (3) existing rail yards to remain</li> <li>Existing viaduct through downtown and over James River</li> <li>Existing rail bridges over Gordon Ave Ext, a pedestrian underpass, and Marina Dr/Falling Creek</li> <li>One (1) proposed rail bridge</li> <li>10 existing at-grade road crossings to be modified</li> </ul> |
| <b>VA-PE-2</b><br>Bellwood to Petersburg<br>S-9.8 to S-26.0   | 19.9        | <ul style="list-style-type: none"> <li>Active A-Line corridor</li> <li>Proposed single track adjacent to existing A-Line tracks</li> <li>Existing Ettrick station to remain</li> <li>Proposed connections to Collier Yard and existing freight tracks</li> <li>15 proposed rail bridges</li> <li>11 existing at-grade road crossings to be modified</li> <li>Three (3) private drive crossings to be removed</li> </ul>  |
| <b>VA-PE-3</b><br>Petersburg to Dinwiddie<br>S-26.0 to S-40.0 | 13.5        | <ul style="list-style-type: none"> <li>Inactive S-Line corridor</li> <li>Proposed single track with passing sidings</li> <li>Existing rail bridges over Arthur Swamp and Gravelly Run</li> <li>Six (6) proposed rail bridges</li> <li>Seven (7) existing at-grade road crossings to be modified</li> <li>Eight (8) private drive crossings to be removed</li> </ul>  |
| <b>VA-PE-4</b><br>Dinwiddie to Warfield<br>S-40.0 to S-51.0   | 10.8        | <ul style="list-style-type: none"> <li>Inactive S-Line corridor</li> <li>Proposed single track with passing sidings</li> <li>Existing rail bridges over Great Creek and Nottoway River</li> <li>Eight (8) existing at-grade road crossings to be modified</li> <li>Seven (7) private drive crossings to be removed</li> </ul>  |
| <b>VA-PE-5</b><br>Warfield to La Crosse<br>S-51.0 to S-73.3   | 21.2        | <ul style="list-style-type: none"> <li>Inactive S-Line corridor</li> <li>Proposed single track with passing sidings</li> <li>Existing rail bridge over Meherrin River</li> <li>Six (6) proposed rail bridges</li> <li>19 existing at-grade road crossings to be modified</li> <li>17 private drive crossings to be removed</li> </ul>  |
| <b>VA-PE-6</b><br>La Crosse to Paschall<br>S-73.3 to S-90.7   | 17.2        | <ul style="list-style-type: none"> <li>Inactive S-Line corridor</li> <li>Proposed single track with passing sidings</li> <li>Proposed La Crosse station</li> <li>Existing rail bridge over Lake Gaston</li> <li>Four (4) proposed rail bridges</li> <li>14 existing at-grade road crossings to be modified</li> <li>18 private drive crossings to be removed</li> </ul>  |





# R2R VA PE Design Scope



## Project Management & Coordination

- Project Management Plan
- QA/QC
- Risk management
- Coordination meetings
- Railroad and training
- Project administration and management

## Stakeholder & Public Outreach

- Public and agency contact lists
- Public meeting support

## Survey

- Property owner contact
- Property owner research
- Terrestrial mobile LiDAR (Segments 1 & 2)
- Field surveys
- Best fit alignments
- Property recon and tie down
- Subsurface utility engineering
- Survey file development

## Design Concept Studies

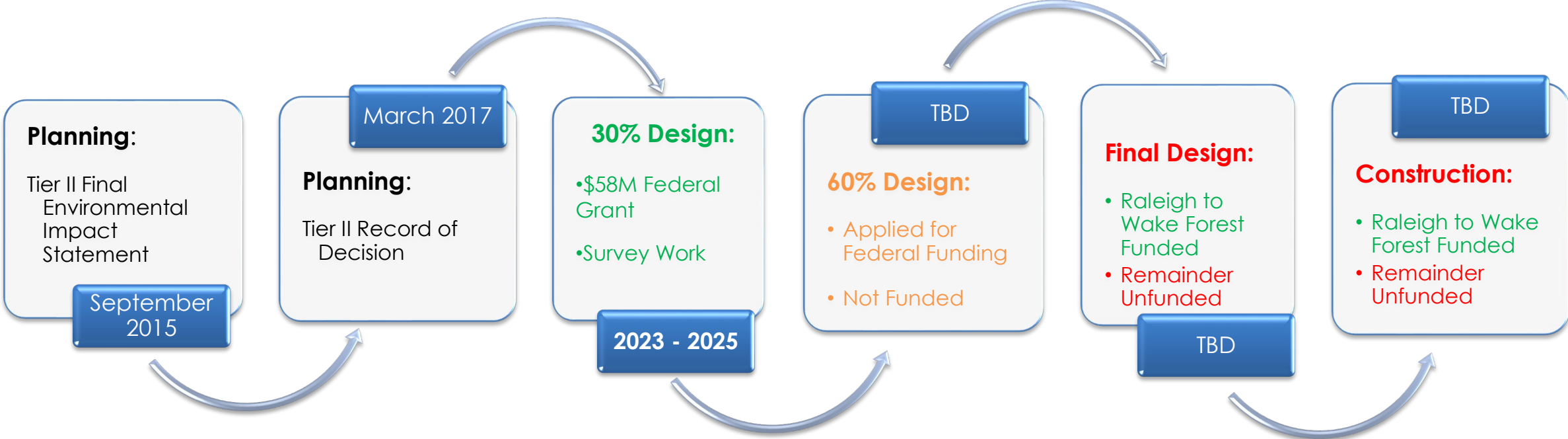
- Conceptual design review
- Design concept studies

## Preliminary Engineering

- Geotechnical exploration
- Right-of-way documentation
- Basis of design
- Railroad design
- Roadway design
- Structural design
- Civil engineering
- Preliminary utility coordination
- Value engineering
- Technical specifications
- Construction cost estimate

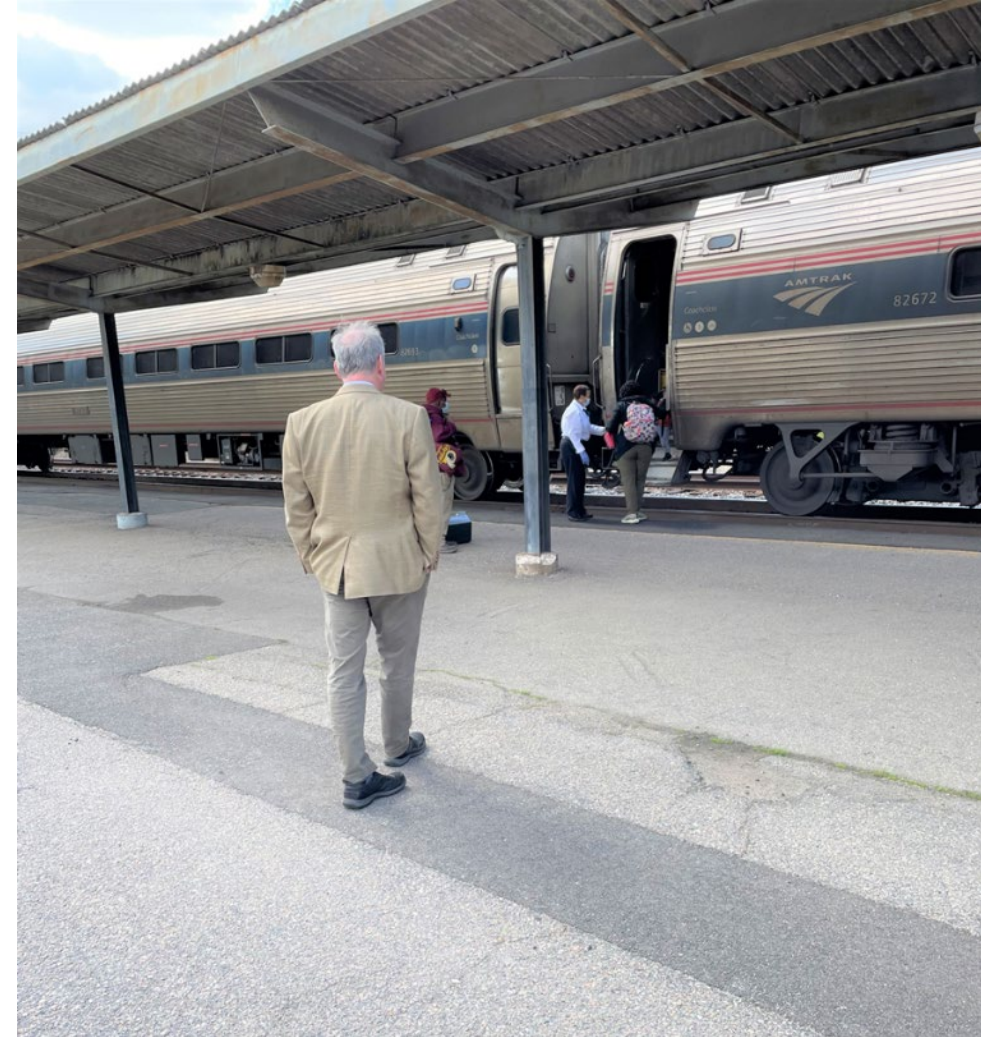


# Richmond to Raleigh Project Stages



# Community Engagement Goals

- VPRRA staff will:
  - Engage with local government and community leaders.
  - Establish a cohesive, consistent, and continuous model for information sharing.
  - Provide local government leaders with information that enables and empowers them to support property owners and concerned citizens in their communities.
  - Inform local government/community leadership about decisions and actions being undertaken during the planning process and subsequent 30% design.
- Consultant teams will:
  - Assist with engagement meetings and materials prep
  - Maintain a stakeholder contact list



# R2R Procurement Schedule (subject to change)

| Event/Milestone                           | Date/Date Range |
|---|-----------------|
| Release of RFP                            | 12/15/2023      |
| Pre-Proposal Conference (Industry Day)    | 12/20/2023      |
| Questions/Requests for Clarifications Due | 1/8/2024        |
| Proposal Due Date                         | 2/01/2024       |
| Interviews                                | March 2024      |
| Notice of Intent to Award Issued          | April 2024      |
| Negotiations                              | May 2024        |
| Contract Award(s)                         | June 2024       |



# RFP Highlights

- Qualifications based RFP
  - Segments: Offerors may choose to be considered for one or more Project Segments
  - SOW Documents: release referenced documents once Offeror executes a confidentiality/non-disclosure agreement
  - Addenda: VPRA may amend the RFP from time to time in its sole discretion. Any such amendments shall be incorporated into the RFP through an addendum. Addenda to the RFP, if any, will be posted on VPRA's website
- Current Contracting Opportunities



# RFP Highlights

- Small Business (SWaM) Utilization
- Specific Requirements:
  - Page Numbers/document length
  - Resume reminders
  - Key Personnel Reminders





# VPRA Organizational Conflict of Interest (OCI) Policy

- This procurement will be governed by VPRA's OCI policy, which can be found here: [VPRA-Organizational-Conflict-of-Interest-Policy](#)
- Firms have an obligation to disclose
  - Disclosure should contain detailed description of (i) the facts and circumstances giving rise to the actual or potential Organizational Conflict of Interest; and (ii) any efforts the A/E has taken or proposes to take to mitigate the conflict.
- Obligation to disclose is ongoing



# RFP Highlights

- Questions/Requests for Clarification: All questions and requests for clarification regarding this RFP shall be submitted to VPRA's POC via electronic mail using Form B. No requests for additional information, clarification or any other communication should be directed to any other individual. **NO ORAL REQUESTS FOR INFORMATION WILL BE ACCEPTED**
- VPRA will post responses to the questions/requests for clarification received and answered on VPRA's website - [Current Contracting Opportunities](#)  
Upon submission of a Proposal, Offerors will be required to affirm receipt of all questions/clarification requests and responses using Form A



# VPRA Point of Contact

Jason Lofgreen

VPRA Procurement

[procurement@vptra.virginia.gov](mailto:procurement@vptra.virginia.gov)





1. Summary

| Meeting title           | VPRA Preliminary Engineering for Richmond to Raleigh (R2R)<br>Project / RFP # 1-006-23-0002 |  |
|-------------------------|---|--|
| Registration page views | 293   |  |
| Registered participants | 83  |  |
| Canceled registrations  | 0   |  |
| Attended Organizers     | 10  |  |
| Attended participants   | 77  |  |
| Start time              | 12/20/23, 8:47:28 AM  |  |
| End time                | 12/20/23, 10:27:55 AM   |  |
| Meeting duration        | 1h 40m 26s  |  |
| Average attendance time | 40m 46s   |  |

2. Participants

| Name                                  | Organization                        | Email                            | Role      | Job title                                | Organization                        | SBSD Certification Type | Is your Firm SBSD Certified? |
|---------------------------------------|-------------------------------------|----------------------------------|-----------|--|-------------------------------------|-------------------------|------------------------------|
| John Kostyniuk                        | VPRA                                | john.kostyniuk@vpra.virginia.gov | Organizer | Dir of Procurement                       | VPRA                                |                         | No                           |
| Jason Lofgreen                        | VPRA                                | procurement@vpra.virginia.gov    | Organizer | Buyer                                    | VPRA                                |                         | No                           |
| John Kearney                          | VPRA                                | procurement@vpra.virginia.gov    | Organizer | VP Eng & Construction                    | VPRA                                |                         | No                           |
| Christine Fix                         | VPRA                                | procurement@vpra.virginia.gov    | Organizer | Dir of Planning                          | VPRA                                |                         | No                           |
| Main Street Conference Room (seats 7) | N/A                                 | procurement@vpra.virginia.gov    | Attendee  | N/A                                      | N/A                                 |                         | No                           |
| Simmons, Matthew B                    | NCDOT                               | procurement@vpra.virginia.gov    | Organizer | Deputy Director                          | NCDOT                               |                         | No                           |
| Creasy, Troy J                        | NCDOT                               | procurement@vpra.virginia.gov    | Organizer | Manager of Design & Construction         | NCDOT                               |                         | No                           |
| Fyiad Constantine                     | VPRA                                | procurement@vpra.virginia.gov    | Organizer | Assistant VP of Eng & Construction       | VPRA                                |                         | No                           |
| Winifred Jenkins                      | VPRA                                | procurement@vpra.virginia.gov    | Organizer | Senior Contracts & Compliance Manager    | VPRA                                |                         | No                           |
| Gerica Goodman                        | VPRA                                | procurement@vpra.virginia.gov    | Organizer | Dir of External Affairs & Communications | VPRA                                |                         | No                           |
| Murphy, Natalie A.                    | McCormick Taylor                    | NAMurphy@mccormicktaylor.com     | Attendee  | Proposal Coordinator                     | McCormick Taylor                    |                         | No                           |
| Doll, Cyril G.                        | STV Incorporated                    | Cyril.Doll@stvinc.com            | Attendee  | Proposal Manager                         | STV Incorporated                    |                         | No                           |
| Rousseau, Sean                        | AECOM                               | Sean.Rousseau@aecom.com          | Attendee  | Vice President                           | AECOM                               |                         | No                           |
| Jakominich, Ron                       | Dewberry                            | rkakominich@Dewberry.com         | Attendee  | Vice President                           | Dewberry                            |                         | No                           |
| Joseph Yesbeck                        | TYLin                               | joseph.yesbeck@tylin.com         | Attendee  | SVP, Rail + Transit Sector Leader        | TYLin                               |                         | No                           |
| Kirk, Robert M.                       | STV, Inc.                           | Robert.Kirk@stvinc.com           | Attendee  | Engineering Director   Rail/Track        | STV, Inc.                           |                         | No                           |
| Hubbard, Jennifer                     | Wetland Studies and Solutions, Inc. | JHubbard@wetlands.com            | Attendee  | Senior Marketing Specialist              | Wetland Studies and Solutions, Inc. |                         | No                           |
| Dana Burns                            | Potesta and Associates, Inc.        | dlburns@potesta.com              | Attendee  | Vice President                           | Potesta and Associates, Inc.        | SWAM                    | Yes                          |
| Ranasinghe, Arjuna                    | Jacobs Engineering                  | Arjuna.Ranasinghe@jacobs.com     | Attendee  | Chief Bridge Engineer                    | Jacobs Engineering                  |                         | Yes                          |



|                               |  |                                  |          |  |  |       |     |
|-------------------------------|--|----------------------------------|----------|--|--|-------|-----|
| George Kevgas                 | Colliers Engineering & Design                | George.Kevgas@collierseng.com    | Attendee | National Discipline Leader             | Colliers Engineering & Design                |       | No  |
| Mark Guedri                   | ONYX Rail Safety Solutions                   | mark.guedri@onyx-rail.com        | Attendee | Chief Operating Officer                | ONYX Rail Safety Solutions                   |       | No  |
| Thompson, Brian               | Benesch                                      | BThompson@benesch.com            | Attendee | Sr. Project Manager                    | Benesch                                      |       | No  |
| Harrington, Karen             | HDR  | Karen.Harrington@hdrinc.com      | Attendee | Project Manager                        | HDR  |       | No  |
| Hepler, Tom                   | AECOM  | Tom.Hepler@aecom.com             | Attendee | Transportation program manager         | AECOM  |       | No  |
| Amsler, Joshua                | AECOM  | Joshua.Amsler@aecom.com          | Attendee | Project Manager                        | AECOM  |       | No  |
| Les Byrnside                  | Accumark, Inc.                               | lbyrnside@hbsurveying.com        | Attendee | Vice President                         | Accumark, Inc.                               |       | No  |
| Parkins, Lorna                | Michael Baker International, Inc. - Richmond | LParkins@mbakerintl.com          | Attendee | Vice President                         | Michael Baker International, Inc. - Richmond |       | No  |
| Davis, Gene                   | Stantec Consulting Services Inc.             | Gene.Davis@stantec.com           | Attendee | Sector Lead, Rail                      | Stantec Consulting Services Inc.             |       | No  |
| JC                            | N/A  |                                  | Attendee | N/A                                    | N/A  |       | No  |
| Blain, Sydney                 | HDR Engineering, Inc                         | Sydney.Blain@hdrinc.com          | Attendee | Proposal Coordinator                   | HDR Engineering, Inc                         |       | No  |
| Brown, Randall (FRA)          | FRA  | randall.brown@dot.gov            | Attendee |  | FRA  |       | No  |
| Trager, Jim                   | CDM Smith                                    | tragerj@cdmsmith.com             | Attendee | Lead Marketing and Proposal Specialist | CDM Smith                                    |       | No  |
| Khalilian, Kamran             | AECOM  | Kamran.Khalilian@aecom.com       | Attendee | Vice President                         | AECOM  |       | No  |
| Ellis, Nathaniel H. [Nathan]  | WSP USA Inc.                                 | Nathaniel.Ellis@wsp.com          | Attendee | VP - Senior Rail Engineer              | WSP USA Inc.                                 |       | No  |
| Bryon Palmer                  | Mott MacDonald                               | Bryon.Palmer@mottmac.com         | Attendee |  | Mott MacDonald                               |       | No  |
| John Ayers                    | aE   |                                  | Attendee | Vice President, Operations             | aE   |       | No  |
| Dean Hatfield, P.E.           | E.L. Robinson Engineering                    | dhatfield@elrobinson.com         | Attendee | Engineer                               | E.L. Robinson Engineering                    |       | Yes |
| Karnis, Steve                 | A Morton Thomas and Associates, Inc.         | skarnis@amtengineering.com       | Attendee | Director of Rail and Transit           | A Morton Thomas and Associates, Inc.         |       | No  |
| Hari Aamidala                 | E. L. Robinson Engineering Co.               |                                  | Attendee | Virginia Director of Operations        | E. L. Robinson Engineering Co.               | Small | Yes |
| Gonzalez, Oscar J.            | WSP USA                                      | Oscar.J.Gonzalez@wsp.com         | Attendee | Senior Vice President                  | WSP USA                                      |       | No  |
| Champion, Omer                | Stantec Consulting Services Inc.             | Omer.Champion@stantec.com        | Attendee | Senior Railway Engineer                | Stantec Consulting Services Inc.             |       | Yes |
| Porzillo, Patrick             | HDR Engineering                              | Patrick.Porzillo@hdrinc.com      | Attendee | Principal Project Manager              | HDR Engineering                              |       | No  |
| Bhattacharya, Saurabh [US-US] | Parsons                                      | Saurabh.Bhattacharya@parsons.com | Attendee | VP                                     | Parsons                                      |       | No  |
| Trice, Dawn                   | Dewberry Engineers Inc.                      | dtrice@Dewberry.com              | Attendee | Senior Marketing Manager               | Dewberry Engineers Inc.                      |       | No  |
| White, Ryan                   | Stantec Consulting                           | Ryan.White@stantec.com           | Attendee | Senior Transportation Engineer         | Stantec Consulting                           |       | No  |
| Choplin, Lisa                 | Whitman, Requardt & Associates               | lchoplin@wrallp.com              | Attendee | Alternative Project Delivery Lead      | Whitman, Requardt & Associates               |       | No  |

|                           |   |                                     |          |   |   |                                 |     |
|---------------------------|---|-------------------------------------|----------|---|---|---------------------------------|-----|
| Castrechini, Alexandra M. | McCormick Taylor                                    | AMCastrechini@mccormicktaylor.com   | Attendee | Manager   | McCormick Taylor                                    |                                 | No  |
| Meghan Powell             | VHB   | mpowell@vhb.com                     | Attendee | Director of Transit & Rail, Mid-Atlantic        | VHB   |                                 | No  |
| Michelle Roberts          | CES Consulting, LLC                                 | mroberts@ces-consultingllc.com      | Attendee | COO   | CES Consulting, LLC                                 | DBE                             | Yes |
| Morris, Matthew (Atlanta) | STN   | Matthew.Morris@stantec.com          | Attendee | Senior Railway Engineer                         | STN   |                                 | No  |
| Overstreet, Derek         | STV Incorporated                                    | Derek.Overstreet@stvinc.com         | Attendee | Principal / Engineering Director                | STV Incorporated                                    |                                 | No  |
| Lovell, Scott A.          | STV   | Scott.Lovell@stvinc.com             | Attendee | Area Manager                                    | STV   |                                 | No  |
| Richardson, Donald        | Alfred Benesch & Company                            | DRichardson@benesch.com             | Attendee | Senior Manager of Special Projects              | Alfred Benesch & Company                            |                                 | Yes |
| Matthis, Stuart           | STV   | Stuart.Matthis@stvinc.com           | Attendee | VP - Regional Business Development Director     | STV   |                                 | No  |
| Briana Hairfield          | Legacy Engineering                                  | bhairfield@legacy-eng.com           | Attendee | Business Development Manager                    | Legacy Engineering                                  | DBE/SWaM                        | Yes |
| Webber, Kaylen            | Michael Baker International, Inc.                   | Kaylen.Webber@mbakerintl.com        | Attendee | Proposal Specialist                             | Michael Baker International, Inc.                   |                                 | No  |
| Boate, David A.           | Gannett Fleming                                     | dboate@GFNET.com                    | Attendee | Vice President                                  | Gannett Fleming                                     |                                 | No  |
| Hayzlett, Rodney          | Johnson, Mirmiran and Thompson                      | RHayzlett@jmt.com                   | Attendee | Highway Design                                  | Johnson, Mirmiran and Thompson                      |                                 | No  |
| Hayes, Samuel             | WSP USA   | Samuel.Hayes@wsp.com                | Attendee | Virginia Transportation Client Services Manager | WSP USA   | N/A                             | No  |
| Roach, Debbie             | WSP   | DEBBIE.ROACH@wsp.com                | Attendee | Senior Marketing Manager                        | WSP   |                                 | No  |
| Adam Marolf               | American Geotechnical & Environmental Services, Inc | AMarolf@agesinc.com                 | Attendee | Branch Manager                                  | American Geotechnical & Environmental Services, Inc | DBE, SBE                        | Yes |
| Tom Goodwin               | Mattern & Craig, Inc.                               | tkgoodwin@matternandcraig.com       | Attendee | Transportation Division Manager                 | Mattern & Craig, Inc.                               | SWaM                            | Yes |
| Moore, Jesse              | Stantec Consulting Services Inc.                    | jesse.moore@stantec.com             | Attendee | Marketing                                       | Stantec Consulting Services Inc.                    | N/A - Large Business Enterprise | No  |
| Silva, Rich [US-US]       | Parsons   | Rich.Silva@parsons.com              | Attendee | Engineering Manager                             | Parsons   |                                 | No  |
| Muriel Rodriguez          | Schnabel Engineering                                | MRODRIGUEZ-Franqui@schnabel-eng.com | Attendee | Senior Associate                                | Schnabel Engineering                                |                                 | No  |
| Amir, Manuch              | CDM Smith Inc.                                      | AmirM@cdmsmith.com                  | Attendee | Client Services                                 | CDM Smith Inc.                                      |                                 | No  |
| Cristina Aboyme           | Revella Consulting Group                            | Cristina@revellagroup.com           | Attendee | Sr. Project Coordinator                         | Revella Consulting Group                            | SWaM, EDWOSB, WBE/MWAA          | Yes |
| Vishal Patel              | American Geotechnical & Environmental Services, Inc | vpatel@agesinc.com                  | Attendee | Geotechnical Project Manager / Engineer         | American Geotechnical & Environmental Services, Inc | DBE, MBE                        | Yes |
| Sinha, Chetna             | Gannett Fleming                                     | csinha@GFNET.com                    | Attendee | BD  | Gannett Fleming                                     |                                 | No  |
| Astell, Nigel [US-US]     | Parsons   | Nigel.Astell@parsons.com            | Attendee | Vice President                                  | Parsons   |                                 | No  |
| Loehr, Mike               | Jacobs  | Mike.Loehr@jacobs.com               | Attendee | Chief Engineer                                  | Jacobs  |                                 | No  |
| Dudeck, Tommy             | Stantec Consulting Services Inc.                    | tommy.dudeck@stantec.com            | Attendee | Bridge Group Leader/Principal                   | Stantec Consulting Services Inc.                    |                                 | No  |
| Fouche, Christian         | Stantec Consulting Services                         | Christian.Fouche@stantec.com        | Attendee | Railway Engineer                                | Stantec Consulting Services                         |                                 | No  |

|                      |                                       |                                |          |  |                                       |                    |     |
|----------------------|---------------------------------------|--------------------------------|----------|--|---------------------------------------|--------------------|-----|
| Neil Greenlee        | G&A Consulting Engineers, PLLC        | ngreenlee@gaengrs.com          | Attendee | President                              | G&A Consulting Engineers, PLLC        | SWaM: Small, Micro | Yes |
| Hannah Bell          | Austin Brockenbrough                  | hbell@brockenbrough.com        | Attendee | Civic Market Director                  | Austin Brockenbrough                  | SWaM               | Yes |
| Amin, Ravi A.        | Gannett Fleming                       | ramin@GFNET.com                | Attendee | Chief Engineer-Track                   | Gannett Fleming                       |                    | No  |
| Burke, Eric          | Moffatt & Nichol                      | eburke@moffattnichol.com       | Attendee | VP                                     | Moffatt & Nichol                      |                    | No  |
| Chowdhary Gondy      | CES Consulting LLC                    | cgondy@ces-consultingllc.com   | Attendee | Principal and Executive Vice President | CES Consulting LLC                    | DBE                | Yes |
| Krishna Potturi      | CES Consulting, LLC                   | kpotturi@ces-consultingllc.com | Attendee | Director of Engineering                | CES Consulting, LLC                   | DBE                | Yes |
| Rothenheber, Michael | JMT                                   | MRothenheber@jmt.com           | Attendee | Senior Vice President                  | JMT                                   |                    | No  |
| Blair, Chelsea       | Jacobs                                | Chelsea.Blair@jacobs.com       | Attendee | Proposal Manager                       | Jacobs                                |                    | No  |
| Poole, Seth          | Stantec                               | Seth.Poole@stantec.com         | Attendee | Associate, Bridge Engineer             | Stantec                               |                    | No  |
| Amaya, Rolando       | WSP USA Inc.                          | Rolando.Amaya@wsp.com          | Attendee | Senior Vice President                  | WSP USA Inc.                          |                    | No  |
| McKay, Jeff          | A. Morton Thomas and Associates, Inc. | jmckay@amtengineering.com      | Attendee | Vice President                         | A. Morton Thomas and Associates, Inc. |                    | No  |
| Haley Curtin         | TYLin                                 | haley.curtin@tylin.com         | Attendee | Marketing Specialist                   | TYLin                                 |                    | No  |
| Pavlick, Thomas      | WSP                                   | Thomas.Pavlick@wsp.com         | Attendee | Sr Vice President                      | WSP                                   |                    | No  |
| John Claytor         | A. Morton Thomas & Assocs., Inc.      |                                | Attendee | Regional Survey Manager                | A. Morton Thomas & Assocs., Inc.      |                    | No  |