VTrans Update:
Needs Identification for Urban Development Areas

Webinar Presentation

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Office of Intermodal Planning and Investment

Friday June 14, 2019
AGENDA

- UDA Overview/Background
- VTrans Context
- Updating UDA Needs
- Schedule
HB3202 requires high growth localities to designate UDAs in their comprehensive plans (Code Section 15.2-2223.1)

Code amended to establish density and design criteria; OIPI/ VDOT administers UDA Local Government Technical Assistance Program

HB2 & VTrans – “promote urban development areas”

UDA projects funded through SMART SCALE

Frederick County adopts a UDA

HB2019/SB1398 requires VTrans to identify transportation needs of designated UDAs

Code amended to make designation and density requirements voluntary

UDA Needs incorporated into VTrans2040
PER VIRGINIA CODE §15.2-2223.1, UDAs ...

- Are designated by a locality with a comprehensive plan/zoning authority
- **May** be sufficient to support 10-20 years of projected growth
  - May extend planning horizon to 40 years around current/planned rail transit
- **May** be appropriate for higher residential densities and commercial floor area ratios (FAR)
- **Shall** incorporate principles of traditional neighborhood design (TND)
  - Pedestrian friendly road design
  - Connected local street/pedestrian networks
  - Preserved natural areas
  - Mixed use neighborhoods, mixed + affordable housing
  - Reduced front/side yard building setbacks
  - Reduced street widths and intersection turning radii
**How Does TND Support Efficient, Effective Transportation?**

<table>
<thead>
<tr>
<th>Dispersed Development Pattern</th>
<th>Compact, TND Development Pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>Separate, dispersed land uses = long trips</td>
<td>Mixed, proximate land uses = shorter trips</td>
</tr>
<tr>
<td>Automobiles are the only viable option for most trips</td>
<td>Transit, biking, walking, ridehailing are viable choices</td>
</tr>
<tr>
<td>All travelers have to use arterial “spines” of 6+ lanes</td>
<td>Distributed street grid provides many paths</td>
</tr>
<tr>
<td>Bottlenecks generate crashes, delays, GHG emissions</td>
<td>Alternate paths and modes prevent / alleviate bottlenecks</td>
</tr>
<tr>
<td>Dependence on automobile = high personal travel costs</td>
<td>Options to owning a car = lower personal travel cost</td>
</tr>
<tr>
<td>Expanding / maintaining major roads = high public costs</td>
<td>Efficient, multipurpose infrastructure is cost-effective</td>
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</tbody>
</table>
The choice to designate a UDA is completely voluntary and at the discretion of each locality.

Many designated areas consistent with Code are called something else: Strategic Growth Area, Designated Growth Area, Development District, Transit Supportive Area, Mixed Use/Residential Area, etc.

UDAs encompass a wide variety of land uses and densities.

The key is to reduce the impacts of growth on transportation networks by promoting efficient development patterns featuring TND.
UDAs of Which OIPI is Aware

72 jurisdictions have designated 212 unique locations
36 Counties = 130 locations
21 Cities = 51 locations
15 Towns = 31 locations
EXAMPLE URBAN DEVELOPMENT AREAS – MIDDLE PENINSULA

Legend
- Airports
- Parks
- Rail Network
- Interstate
- U.S. Route
- State Route
- Frontage Road
- Secondary Route
- Urban Fringe

Middle Peninsula

VIRGINIA'S TRANSPORTATION PLAN
UDAs Support VTrans Goals

Goal A: Economic Competitiveness and Prosperity

Goal B: Accessible and Connected Places

Goal C: Safety for All Users

Goal D: Proactive System Management

Goal E: Healthy Communities and Sustainable Transportation Communities
VT RALES TRAVEL MARKETS

• **Urban Development Areas (UDA)**
  - Code of Virginia § 33.2-353 and § 15.2-2223.1
  - Serve local neighborhoods and commercial activity

• **Regional Networks**
  - Code of Virginia § 33.2-353
  - Serve commuters, intra-regional, and local travel

• **Corridors of Statewide Significance (CoSS)**
  - Code of Virginia § 33.2-35
  - Serve inter-regional travel
Corridors of Statewide Significance:

- Coastal Corridor
- Crescent Corridor
- East-West Corridor
- Eastern Shore Corridor
- Heartland Corridor
- North Carolina to West Virginia Corridor
- North-South Corridor
- Northern Virginia Corridor
- Seminole Corridor
- Southside Corridor
- Washington to North Carolina Corridor
- Western Mountain Corridor

*Thin lines of some color represent Corridor Component Facilities

Airports
Ports
Rail Network
Regional Networks
Urban Development Areas (as of May 2018)

Travel Markets:

Corridors of Statewide Significance serve inter-regional travel.

Regional Networks serve commuters, intra-regional and local travel.

Urban Development Areas are designated by local governments and are intended to promote walkable development and traditional neighborhood design.
PREVIOUSLY IDENTIFIED UDA NEEDS

• Needs for 212 unique locations developed in 2015
• Each profile includes:
  – Description
  – Place Type
  – Socioeconomic Data
  – Specific and General Needs
  – Map
• Profiles inform:
  – VTrans Needs and Recommendations that are used for SMART SCALE screening
VTrans UDA Needs Identification Approach

• Since UDA’s are optional, locally determined areas, localities play a key role in defining UDA-specific VTrans needs

• Consistent with legislative purpose of UDAs, the process focuses on:
  – Context sensitive multimodal transportation solutions
  – Last-mile access to jobs and non-work attractions
  – Bicycle and pedestrian circulation
  – Safety
  – Connections to local multimodal networks and regional transportation options
  – LOCALLY established plans and goals
BUILDING UPON PREVIOUSLY IDENTIFIED NEEDS

• Pinpoint what’s changed and what hasn’t
• Ability to tier the Needs within each UDA
UDAs Needs Update Process June-December 2019

- **June**: Localities complete online surveys, upload data for existing and new UDAs.

- **July**: OIPI sends out previously identified needs and online survey links to localities.

- **Aug**: OIPI and localities validate survey input, complete draft needs.

- **Sept**: Draft needs published.

- **Oct**: CTB reviews draft needs.

- **Nov**: Localities review draft needs, provide comments.

- **Dec**: Request submitted for CTB action.
Online Survey

- Each locality completes a survey for all established AND planned UDAs
  - Internal coordination may be needed
  - The internal Point of Contact (POC) represents views and opinions of their locality in a fair and transparent manner
- Established UDAs
  - Review previously identified needs
  - Describe current needs
  - Enter/ upload new data and shapefiles
- Planned UDAs (expected designation by April 1st, 2020)
  - Provide the needs for these areas in this survey
  - Upload relevant data and shapefiles
  - Describe your plans for designation
  - These needs will become eligible for the next round of SMART SCALE only if designation process is complete by April 1st, 2020
ONLINE SURVEY - INSTRUCTIONS

- The survey takes about 15-30 minutes per UDA
  - Additional time might be needed for compiling information
- Information for up to 10 UDAs can be entered
- Ability to “save for continue later”
- At the end of the survey, upload files and documents
  - Please email files to us if there are any technical issues
- Once a survey is completed, responses will be emailed to primary contact – please check for accuracy and completeness
  - Please contact us if you do not receive an email with a PDF file
**Online Survey – To Do List**

- Check your email for the survey link
  - Coordinate with appropriate stakeholders
  - Forward the link to other staff if needed
- Compile the information ahead of time or as you go
  - Click the “Save for Continue Later” button (top of the page) if you want to fill out the survey in more than sitting
- Upload data and shapefiles
- Finish surveys by **July 12**

*Total time to complete: approx. 15-30 minutes per UDA, plus the time needed to collect data*
1-2: Fill out contact Information (primary, secondary)
3-4: Acknowledge local responsibilities for completing survey
5-6: List presence/ Number of UDAs
7: List UDAs removed from designation (if any)
8: Opt to fill out separate surveys for each UDA, or one survey for all UDAs
ONLINE SURVEY QUESTIONNAIRE OVERVIEW – UDA QUESTIONS

- 9-10: List name/ Status of UDA
- 11: Confirm accuracy of current boundary (reference online UDA map)
- 12-13: Describe planning or development activity since 2015
- 14: Rank 5 types of needs (safety, circulation, access, bike/ped, transit)
- 15: Rate level of needs inside UDA boundary
- 16: Rate level of needs outside but near UDA boundary
- 17: Note when improvements are needed
- 18: Estimate completeness of current networks
- 19: List relevant plans and studies
- 20: Submit relevant data files
The slide presentation will now pause for a live demonstration of the online survey and UDA reference map. The slides will resume after the demonstration. Screen shots of the online demonstration are included as an appendix to these slides.
### Locality Participation Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>VTrans Task</th>
<th>Locality Role</th>
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</thead>
<tbody>
<tr>
<td>June 13</td>
<td>Emails to UDA localities with previously identified needs and unique link to online survey</td>
<td>Confirm email received, contact OIPI staff with questions as needed</td>
</tr>
<tr>
<td>June 14</td>
<td>Webinar on UDA methodology and Instructions to Localities</td>
<td>Watch webinar, ask questions, follow up with OIPI and MPO / PDC staff for assistance as needed</td>
</tr>
<tr>
<td>June 13-July 12</td>
<td>UDA Needs Identification Survey</td>
<td>Coordinate with local stakeholders to complete online survey for each UDA</td>
</tr>
<tr>
<td>July-August</td>
<td>Confirm/complete draft UDA Needs</td>
<td>Coordinate with OIPI and MPO/PDC to confirm survey results and complete any remaining input</td>
</tr>
<tr>
<td>October</td>
<td>Draft Mid-Term Needs will be made available</td>
<td>Review published draft Needs for each UDA</td>
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## Final Needs Identification Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>VTrans Task</th>
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<tbody>
<tr>
<td>October 16</td>
<td>October CTB meeting: Present draft needs</td>
</tr>
<tr>
<td>December 11</td>
<td>December CTB Meeting: Request for CTB action</td>
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<tr>
<td>Before end of 2019</td>
<td>OIPI intends to publish final approved list of Mid-Term Needs</td>
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<tr>
<td>April 1, 2020</td>
<td>Deadline for localities to adopt new UDAs in Comprehensive Plans</td>
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<tr>
<td>Spring-Summer 2020</td>
<td>SMART SCALE Round 4 proposals screened with updated Mid-Term Needs</td>
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VTrans Designated Points of Contact

Legend
VTrans Primary Contact:
- Chris Wichman
- Katie Schwing
- Chris Wichman (TJPDC)/Katie Schwing (RRRC)
Questions/Discussion

OIPI Staff Contact Information:

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jitender Ramchandani</td>
<td>804.786.0868</td>
<td><a href="mailto:Jitender.Ramchandani@oipi.Virginia.gov">Jitender.Ramchandani@oipi.Virginia.gov</a></td>
</tr>
<tr>
<td>Katie Schwing</td>
<td>804.786.2362</td>
<td><a href="mailto:Kathryn.Schwing@oipi.Virginia.gov">Kathryn.Schwing@oipi.Virginia.gov</a></td>
</tr>
<tr>
<td>Chris Wichman</td>
<td>804.786.2366</td>
<td><a href="mailto:Chris.Wichman@oipi.Virginia.gov">Chris.Wichman@oipi.Virginia.gov</a></td>
</tr>
</tbody>
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Sign up for updates on the website (www.VTrans.org)
Like our Facebook Page (www.facebook.com/VTransVirginia)
Follow our Instagram Page (www.instagram.com/VTransVirginia)
THANK YOU!
APPENDIX – ONLINE SURVEY DEMONSTRATION SCREEN SHOTS

Welcome to the Online Survey to establish Urban Development Area Needs for VTrans
Welcome to the Online Survey to establish Urban Development Area Needs for VTrans

Welcome to the VTrans Mid-Term Needs Identification - UDA Needs Identification Survey. On behalf of the Commonwealth Transportation Board, the Virginia Office of Intermodal Planning and Investment (OIP) is updating VTrans - Virginia's Transportation Plan.

As part of the VTrans Needs Identification process, OIP is conducting a survey to update the transportation needs: (1) for existing designated Urban Development Areas (UDAs); (2) to collect transportation needs for newly designated UDAs; and, (3) to collect needs for areas that will be designated a UDA per Code of Virginia 6.32-2352 and 6.32-2322.3 by April 1, 2020.

The identified transportation needs will be considered for inclusion in VTrans - Virginia's Transportation Plan. The Commonwealth Transportation Board (CTB) is expected to take action on the updated VTrans Mid-Term Needs Assessment at its December 2020 meeting.

The updated needs identified in VTrans will be used as an eligibility screening criterion for SMART SCALE Round 4 project applications in 2020.

Instructions:

We are asking each jurisdiction to provide responses for all designated UDAs in your location as well as areas that you are planning to designate as a UDA. You will have the opportunity to provide responses for up to 10 UDAs. For established UDAs, please refer to the needs submitted in 2015 and evaluate how they have changed. If you are planning to designate and locally approve a new UDA by April 1st, 2020, please provide the needs for these areas in this survey and let us know your plans for designation.

If you are unable to complete the survey, the link may be forwarded to the correct person. The survey takes about 15-30 minutes to complete. The survey form is due by July 12, 2019.

Please submit your survey by July 12, 2019.
Definition of UDA (as defined by Section 15.2-2233.11):

- Areas designated by a locality that may be sufficient to meet projected residential and commercial growth in the locality for an ensuing period of at least 10 but not more than 20 years.
- Where an urban development area in a county includes planned or existing rail transit, the planning horizon may be for an ensuing period of at least 10 but not more than 40 years.
- Areas that may be appropriate for development at a density on the developable acreage of at least four single-family residences, six townhouses, or 12 apartments, condominium units or cooperative units per acre and an authorized floor area ratio of at least 0.4 per acre for commercial development, or any combination thereof.
- Urban development areas shall incorporate principles of traditional neighborhood design (TND).

Please contact the CIPI team with questions:

Jitender Ramohanani, AICP, PWP, Program Manager – 804-785-3868, jitender.ramohanani@opl.virginia.gov
Katie Schwing, AICP, Senior Planner – 804-785-2302, kathryn.schwing@opl.virginia.gov
Chris McManus, Senior Planner – 804-785-2302, chris.mcmanus@opl.virginia.gov

You can visit www.vtrans.org any time to get more information about the overall VTrans update.
ONLINE SURVEY GENERAL QUESTIONS 1-2

General Questions

1. Primary Contact Info: (This will be OIPI's main UDA contact person throughout the VTrans Process)
   
   Contact Name:  
   Jurisdiction:  
   Title/Position:  
   Address:  
   Address (cont.):  
   County/City/Town:  
   Email Address:  
   Phone Number:  

2. Please provide information for a secondary contact at your jurisdiction:
   
   Contact Name:  
3. UDA Needs should be submitted with the full authority and knowledge of the locality you represent, and the responses should represent the views and priorities of the locality in a fair and transparent manner. Please acknowledge and agree to this requirement.

   - Please Select -

4. Please acknowledge that the person listed as the Primary Contact is responsible for the information provided in this survey.

   - Please Select -

5. Is there currently a designated Urban Development Area (UDA) or code referenced locally designated growth area within your jurisdiction? (according to Section 15.2-2223.1 of the Code of Virginia)
   - Yes, there is currently one or more designated UDAs within my jurisdiction.
   - No, there is not currently a designated UDA within my jurisdiction.

6. How many designated UDAs or code-referenced locally designated growth areas are currently within your jurisdiction?
7. Within your jurisdiction, do you have any formerly designated UDAs (according to Section 15.2-2223.1 of the Code of Virginia) or similar locally designated growth areas, that were removed from designation since 2015?

- No, there are no formerly designated UDAs within my jurisdiction.
- Yes, there are formerly designated UDAs within my jurisdiction (describe) [Description]

8. The questions on the next page provide an opportunity to answer additional questions about the UDA or other code referenced growth area(s) in your jurisdiction. If you wish to provide a single consolidated set of answers choose the first option below. If there is more than one UDA in your region and you wish to provide a separate set of answers for each UDA, choose the second option. You will have the ability to provide answers for up to 10 UDAs.

- I would like to respond to one set of questions.
- I would like to respond to multiple sets of questions. Please list the names of the UDAs you are responding to. [List]

VTRANS
VIRGINIA'S TRANSPORTATION PLAN
UDA Questions

9. Please provide the official name or general location of the UDA for which you will answer the following questions on this page.

10. Is this set of responses for a UDA that has already been officially designated, or is it planned to be designated?

11. See link below to open a map that shows a preliminary list of the designated UDAs in Virginia. Please zoom in to your jurisdiction and verify the location of designated UDA(s) within your jurisdiction using the answers below. (Map opens in new window)

View Map Here

- The UDA(s) shown for our jurisdiction are still designated, and the locations/boundaries are correct.
- Some information about the UDAs shown for my jurisdiction is incorrect. (Please describe the corrections as to number of UDAs, designation status, location, or boundaries in the box below)
UDA REFERENCE MAP HOME SCREEN
UDA REFERENCE MAP EXAMPLE UDA SUMMARY POPUP
UDA REFERENCE MAP ZOOMED-IN VIEW OF EXAMPLE UDA
UDA Needs Profile: All UDAs

Albemarle County has two UDAs: the Pantops UDA located east of the Rivanna River and the City of Charlottesville, and Places 29 - South, located on U.S. 29 south of the Rivanna River.

Location Characteristics:
- FDC - Thomas Jefferson Planning District Commission
- UDA Size - 1.3 square miles
- Year Designated - 2011

Comprehensive Plan Detail - Each of the Albemarle County UDAs - Pantops and Places 29 South - was previously established as a planning priority area, and has its own master plan. Albemarle County's UDAs are planned for high quality, mixed use urban neighborhoods and employment centers that are walkable and adequately supported by services and facilities.

Socio-Economic Characteristics:
- Total Population - 11,727 persons
- Total Primary Jobs - 2,074 jobs

Jobs by industry:
- Health Care and Social Assistance
- Retail Trade
- Finance and Insurance
- Other Jobs

Total Jobs by Earnings:
- 43%
- 27%
- 22%
- 12%
12. Since 2016 or date of designation, whichever is more recent, what type of planning or development activities have taken place or are currently taking place? Please check all that apply.

- UDA has seen no activity or planning; development is likely to redirect to other places
- UDA concept is still designated, but there has been very little planning activity
- UDA concept is being pursued through active planning (zoning rewrites, small area plans, design guidelines)
- UDA has seen development plans occur according to the plan (development plans are approved, new utilities have been installed to support development)
- Development projects have been completed within the UDA since designation in accordance with the UDA definitions
- Other - Write In: [Enter]

13. Referring to Question 12, if development projects have been completed in this UDA, to the extent known, please provide any information on:

- Transportation Improvements: [Enter]
- Residential growth in terms of number/type of housing units or acres zoned: [Enter]
- Commercial growth such as acres rezoned, square footage, number/type of businesses, number of employees, etc.: [Enter]
14. Thinking of the overall transportation needs for the UDAs in your jurisdiction, please rank the following:

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<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety for All Users</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Circulation and access within the UDA</td>
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<tr>
<td>Access to transportation networks beyond the UDA</td>
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<tr>
<td>Friendly pedestrian and bicycle environment</td>
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<tr>
<td>Transit enhancements</td>
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(1 being the highest, 5 the lowest.)
15. Please assess the types of transportation improvements within UDA boundaries that are most needed to promote development of these UDAs (a few examples are provided after each category, but the needs are not limited to these examples): (Identify need as High, Moderate, Low, N/A)

- Roadway capacity and infrastructure improvements (additional lanes)
- Roadway operations (intelligent transportation systems, including traffic signals)
- Transit frequency (reduce headways)
- Transit operations (including real time information, transit-only lane, transit signal priority)
- Transit capacity and access (more/larger transit vehicles, more routes, more transit stops)
- Transit facilities and amenities (improved transit stops/shelters, lighting, transit storage or maintenance facilities)
- Street grid (better street connectivity, new streets to break up long blocks, connectors between streets)
- Bicycle infrastructure (bicycle lanes, crossing, paths, parking, bike-specific traffic signals)
- Pedestrian infrastructure (cross walks, pedestrian signals, pedestrian islands or bumpouts)

16. Please assess the types of transportation improvements outside but in close proximity to UDA boundaries that are most needed to promote development of these UDAs (a few examples are provided after each category, but the needs are not limited to these examples): (Identify need as High, Moderate, Low, N/A)

- Complete streets improvements beyond bike/pedestrian facilities (road diet, landscaped medians, turning lanes, lighting, benches, trees)
- Safety features
- On-street parking capacity
- Off-street parking capacity
- Intersection design or other Improvements (roundabouts, improved geometry, add turning lanes)
- Signage/wayfinding
- Traffic calming features
- Improvements to the natural environment, storm water management, site design, or landscaping
17. When do you anticipate the UDAs in your jurisdiction needing the types of transportation improvements identified above?

- Please Select --

18. Approximately what percentage of the transportation network required to support your planned UDAs is in place today? (<25%, 25-50%, 50-75%, >75%)

<table>
<thead>
<tr>
<th>Category</th>
<th>&lt;25%</th>
<th>25-50%</th>
<th>50-75%</th>
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<tr>
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<tr>
<td>Bicycle Infrastructure</td>
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<tr>
<td>Signage/Wayfinding</td>
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<tr>
<td>Roadway Network</td>
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<td>Transit Network</td>
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<td>Connections between modes of transportation</td>
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<tr>
<td>Parking</td>
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<tr>
<td>Streetscaping</td>
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ONLINE SURVEY UDA QUESTIONS 19-21

19. To the extent that you are aware, please list any planning documents that describe any UDA needs identified in the previous questions (such as comprehensive plans or local or regional economic studies).

20. Are you going to submit any files (documents, shapefiles, etc.) for this UDA at the end of the survey?
   - [ ] Yes
   - [ ] No

21. Do you have another UDA you would like to provide an update on?
   -- Please Select --

VTRANS VIRGINIA'S TRANSPORTATION PLAN
Thank You!

Thank you for taking time to complete our survey. Your response is very important to us.

For questions or more information please contact:

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Kate Schwing, AICP, Senior Planner – 804-786-2386
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Chris Wichman, Senior Planner – 804-786-2386
chris.wichman@opi.virginia.gov

You can visit www.vtrans.org any time to get more information about the overall VTrans update.

If you wish to submit files for the UDA information you provided in the survey, please do so through the email link below.

Email link to submit attachments