



COMMONWEALTH of VIRGINIA  
*Office of the*  
SECRETARY of TRANSPORTATION

# VTrans Update: Needs Identification for Urban Development Areas

*Webinar Presentation*

Jitender Ramchandani, AICP, PMP  
Office of Intermodal Planning and Investment

Friday June 14, 2019



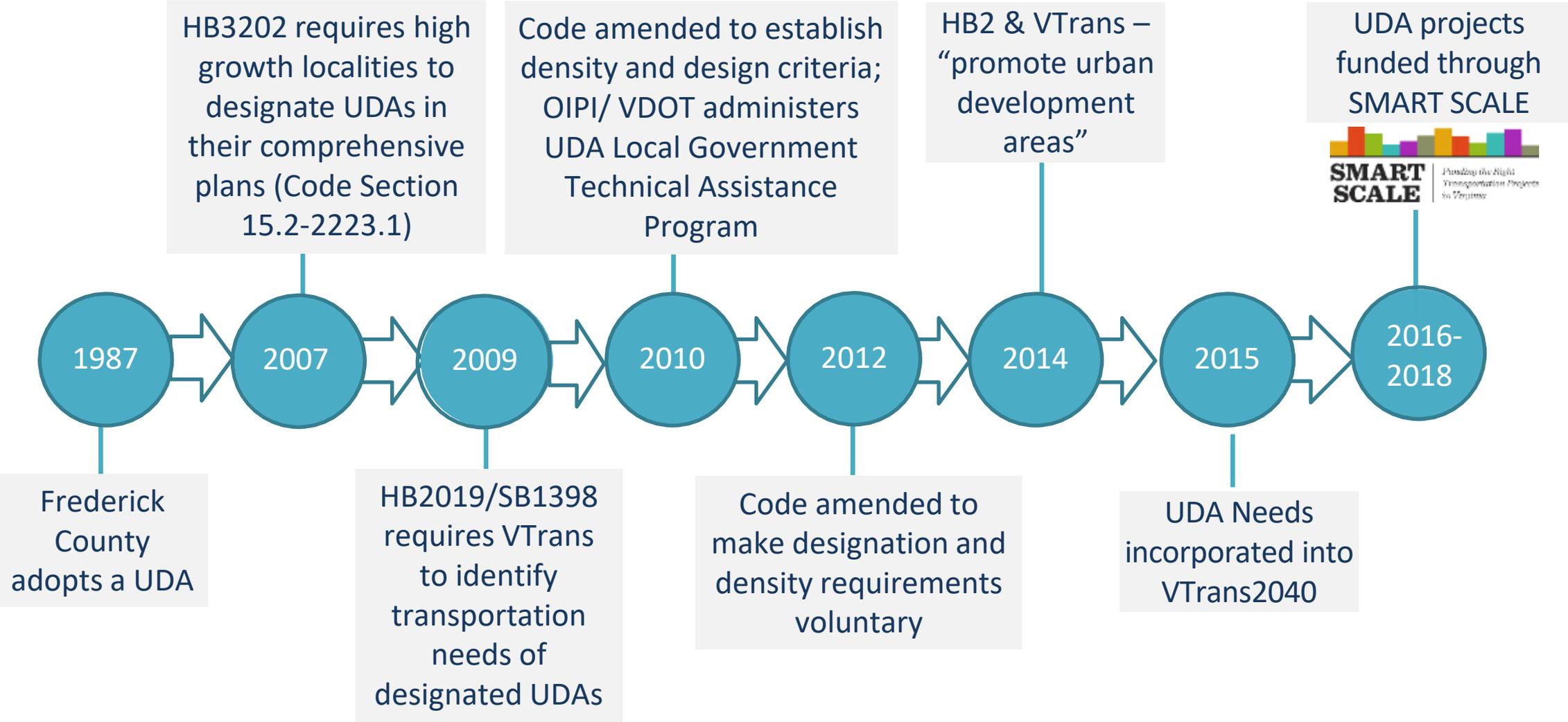
# AGENDA

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- UDA Overview/Background
- VTrans Context
- Updating UDA Needs
- Schedule



# UDAs IN VIRGINIA TRANSPORTATION PLANNING



## 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?



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

## POINTS TO KEEP IN MIND

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**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**



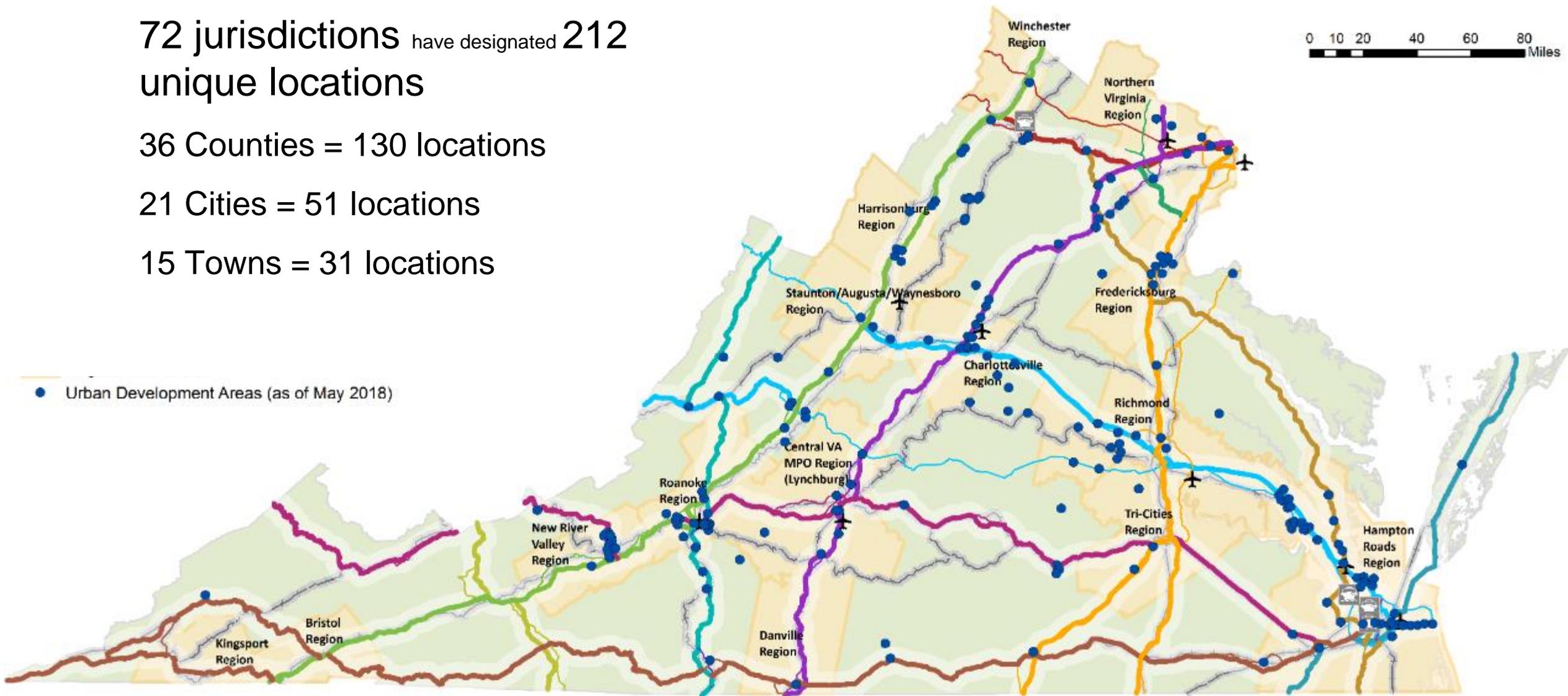
# UDAs OF WHICH OIPI IS AWARE

72 jurisdictions have designated 212 unique locations

36 Counties = 130 locations

21 Cities = 51 locations

15 Towns = 31 locations



# EXAMPLE URBAN DEVELOPMENT AREAS – NORTHERN VIRGINIA

## Legend

-  Airports
-  Ports
-  Rail Network
-  Virginia Counties
-  Interstate
-  U.S. Route
-  State Route
-  Frontage Road
-  Secondary Route
-  Urban Road



0 2.75 5.5 11 16.5 22 Miles

## UDA Boundaries as of February 2019

-  Arlington County
-  Fairfax City
-  Fairfax County-Tysons Corner Urban Center
-  Falls Church - City of Falls Church
-  Herndon Town-Herndon MetroRail Station UDA
-  Loudoun County-Suburban Policy Area
-  Manassas City-Downtown



Northern Virginia

# EXAMPLE URBAN DEVELOPMENT AREAS – MIDDLE PENINSULA



Middle Peninsula

# UDAs SUPPORT VTRANS GOALS



# VTRANS 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)**

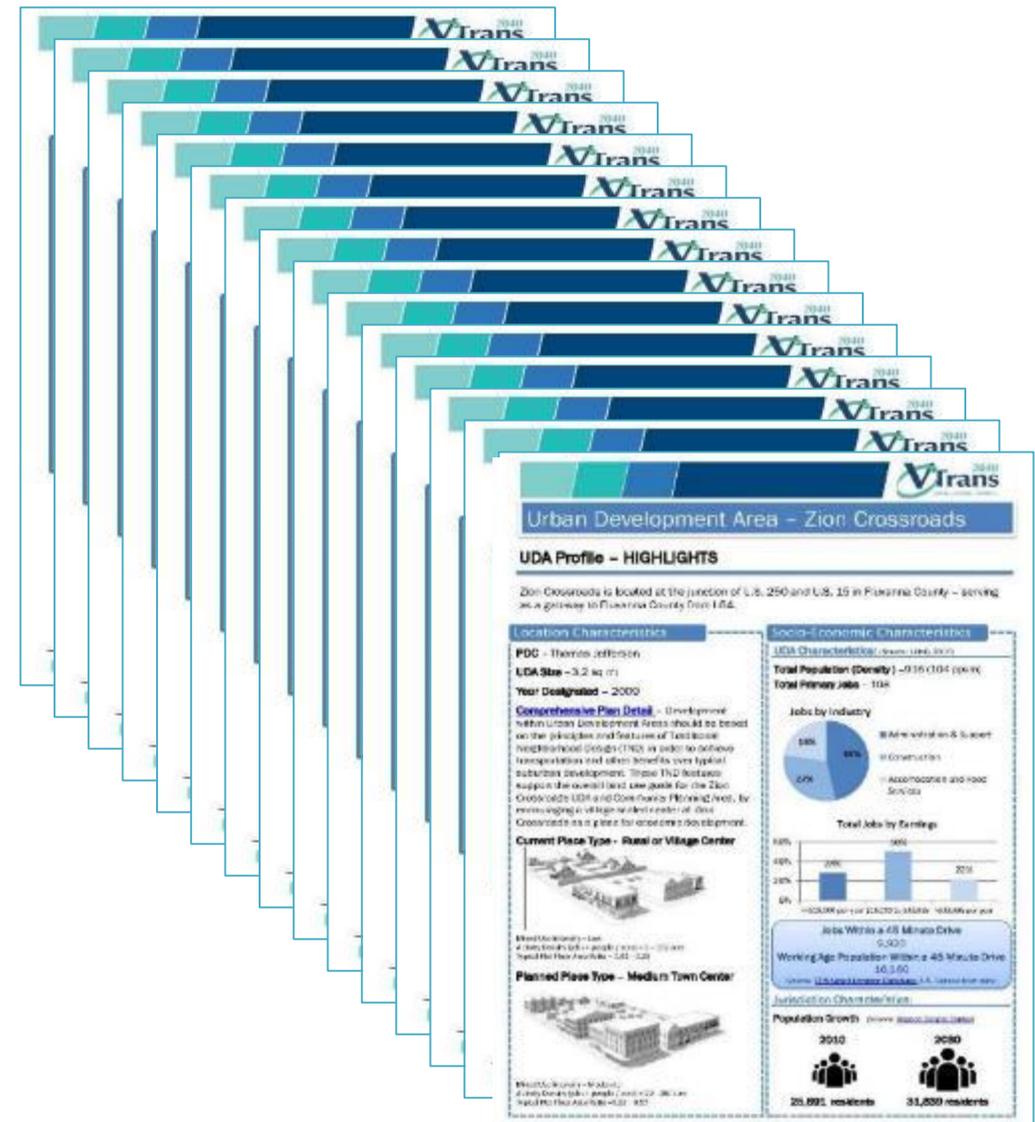
- Code of Virginia [§ 33.2-35](#)
- Serve inter-regional travel





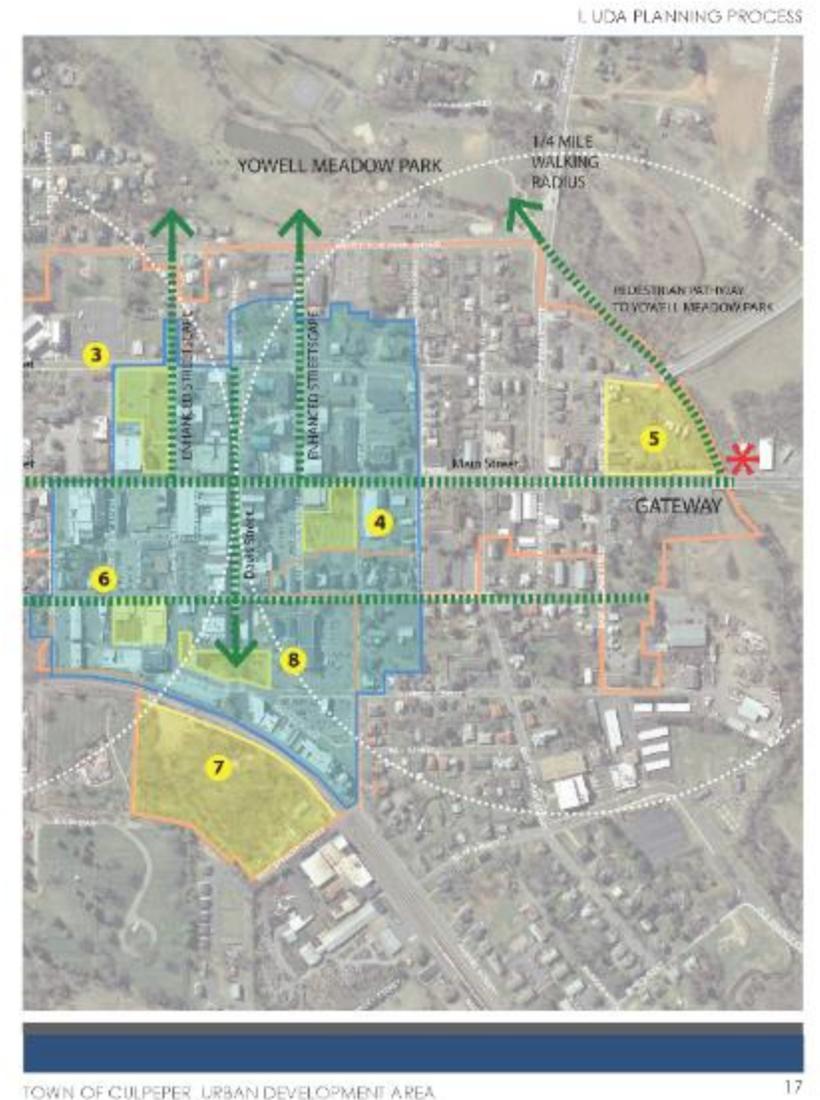
# PREVIOUSLY IDENTIFIED UDA NEEDS

- 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



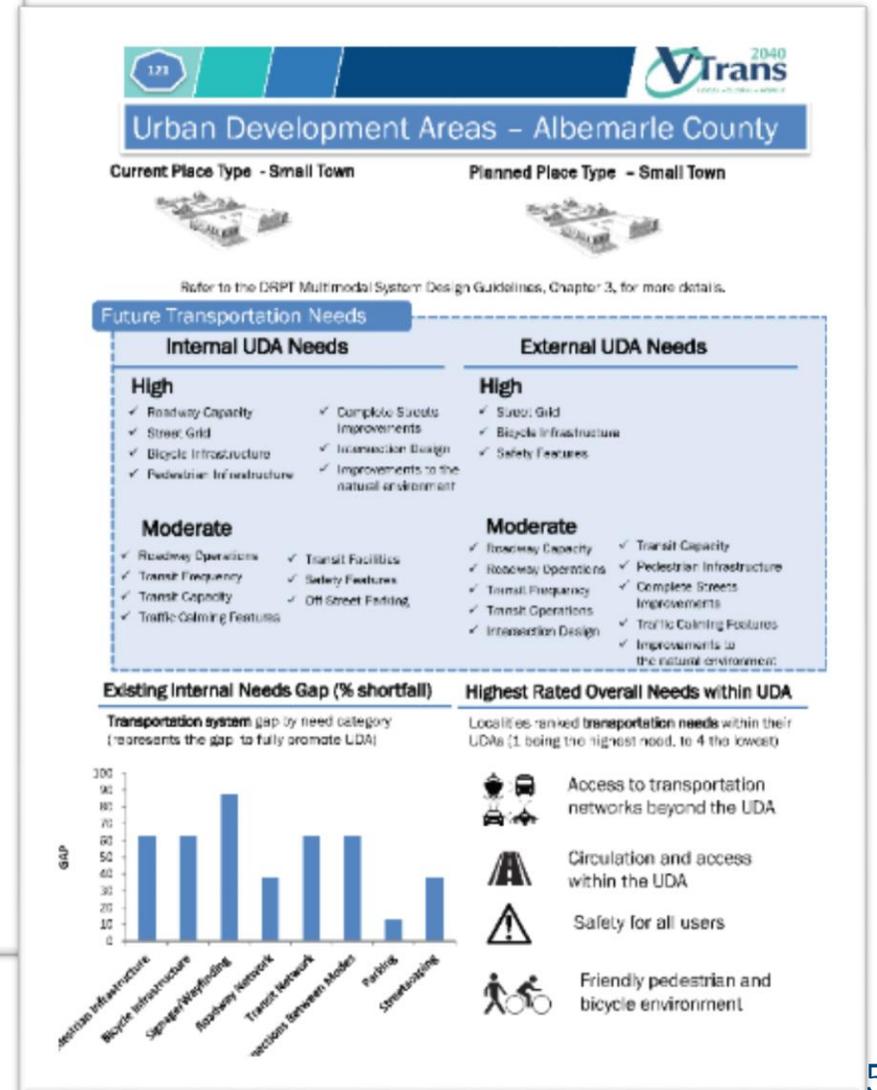
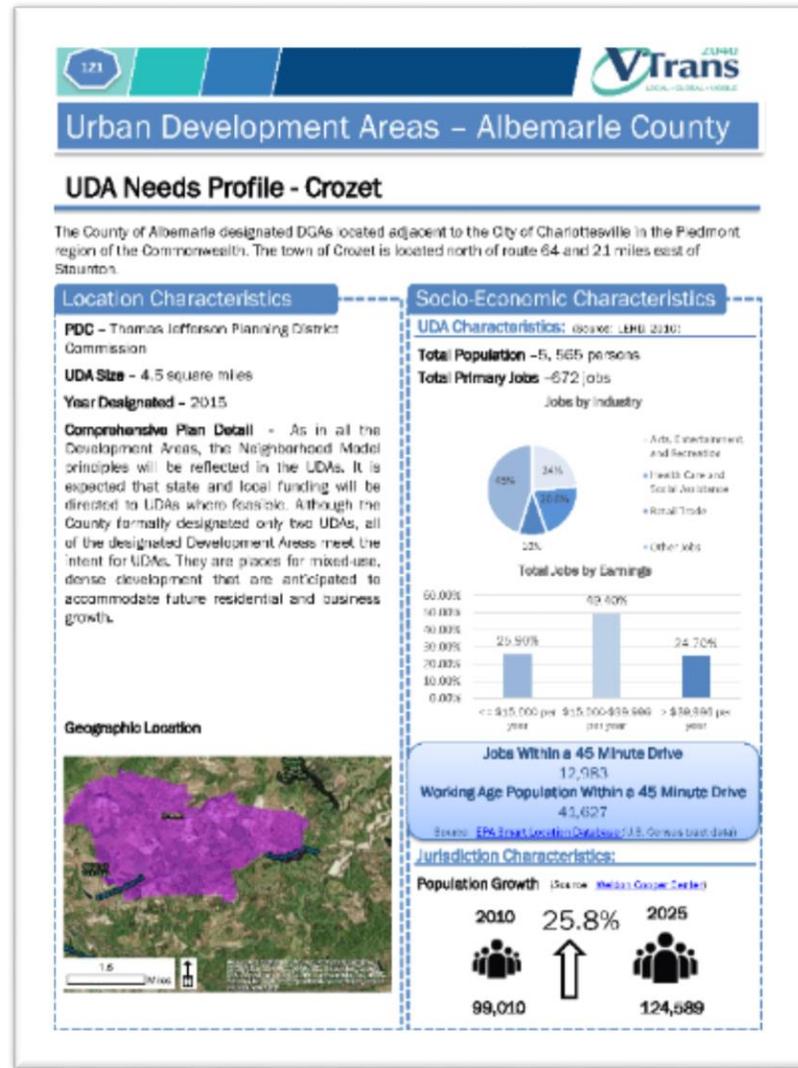
# VTRANS UDA NEEDS IDENTIFICATION APPROACH

- 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

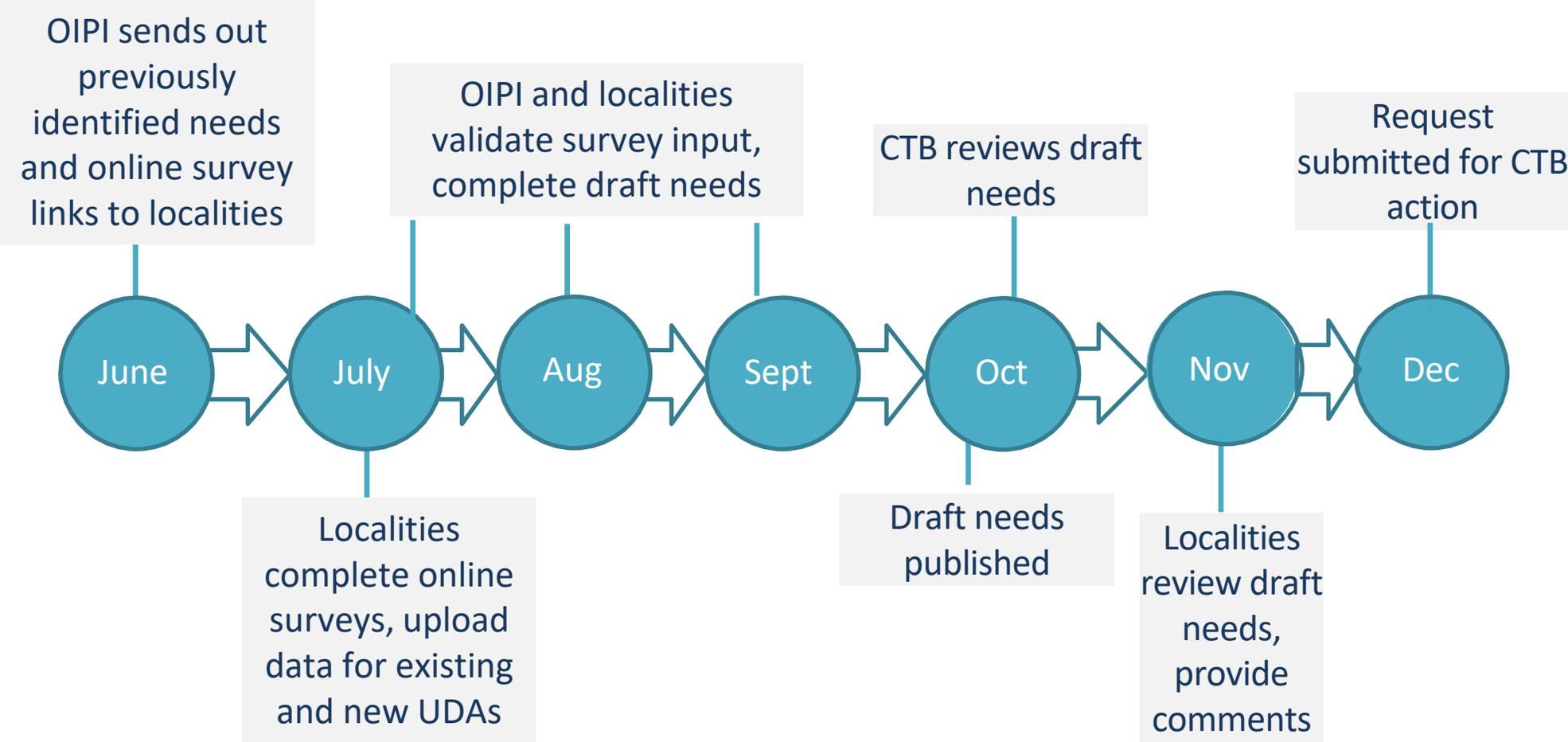


# BUILDING UPON PREVIOUSLY IDENTIFIED NEEDS

- Pinpoint what's changed and what hasn't
- Ability to tier the Needs within each UDA



# UDAs NEEDS UPDATE PROCESS JUNE-DECEMBER 2019



# ONLINE SURVEY

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- 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 1<sup>st</sup>, 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

The screenshot displays a web browser window with a survey form. At the top, a dark blue header contains the text: "Please supply an email address to save your progress. A unique link will be emailed to you that will allow you to return where you left off." Below this, there are two input fields: "Email:" and "Verify Email:". A "Save" button is positioned to the left of a "Never Mind" button. A red box highlights this email verification section. Below the header, the form includes several input fields for contact information: "Contact Name:", "Jurisdiction:", "Title/Position:", "Address:", "Address (cont.):", "County/City/Town:", "Email Address:", and "Phone Number:". Below these fields are three numbered questions with "I acknowledge this requirement" buttons. Question 3 asks about the authority and knowledge of the locality. Question 4 asks for acknowledgment of the primary contact's responsibility. Question 5 asks if there is a designated Urban Development Area (UDA) or locally designated growth area within the jurisdiction, referencing Section 16.2-5223.1 of the Code of Virginia.

# ONLINE SURVEY – TO DO LIST

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- ✓ 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*

# ONLINE SURVEY QUESTIONNAIRE OVERVIEW – GENERAL QUESTIONS

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- 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

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- 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

# ONLINE SURVEY AND UDA MAP DEMONSTRATION

- 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.

**VTRANS** | VIRGINIA'S TRANSPORTATION PLAN

## 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 (OPI) is updating VTrans - Virginia's Transportation Plan.

As part of the VTrans Needs Identification process, OPI 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 5.22-2-202 and 5.15-2-2022.1 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 2019 meeting.

The updated needs identified in VTrans will be used as an eligibility screening criteria for RMAA/MSA/MSA+ and I-95 project applications in 2020.

**Introduction**

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 2018 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 10-20 minutes to complete the form in addition to time for compiling information to complete the survey and may vary depending on how many UDAs you are providing responses for. You may also save the survey to complete at a later time by clicking the "Save for Continue Later" button at the top of each page.

Please submit your survey by July 12, 2019.

Urban Development Area Review Map for VTrans Needs Process, Summer 2019

Development Areas (June)

- Albemarle County - Crozet
- Albemarle County - Hollymeade
- Albemarle County - Neighborhood 1
- Albemarle County - Neighborhood 2
- Albemarle County - Parlopac
- Albemarle County - Piney Mountain
- Albemarle County - Pines @ South
- Albemarle County - Rivanna
- Albemarle County - Southern/Western neighborhoods
- Amelia Courthouse
- Amherst County - Tyrer Tracts
- Amherst town - Amherst

Map showing various Urban Development Areas (UDAs) across Virginia, including Albemarle County, Amherst County, and Amherst town. The map includes a legend, search bar, and navigation controls.



# LOCALITY PARTICIPATION TIMELINE

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





# FINAL NEEDS IDENTIFICATION TIMELINE

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





# QUESTIONS/DISCUSSION

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## OIPI Staff Contact Information:

Name	Phone	Email
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Chris Wichman	804.786.2366	Chris.Wichman@oipi.Virginia.gov



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THANK YOU!



# APPENDIX – ONLINE SURVEY DEMONSTRATION SCREEN SHOTS

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

# ONLINE SURVEY HOME SCREEN



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

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Instructions:

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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 form in addition to time for compiling information to complete the survey and may vary depending on how many UDAs you are providing responses for. You may also save the survey to complete at a later time by clicking the "Save for Continue Later" button at the top of each page.

Please submit your survey by July 12, 2019.

# ONLINE SURVEY HOME SCREEN (CONT)

Definition of UDA (as defined by [Section 15.2-2223.1](#)):

- 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 acres 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 OIPI team with questions:

Jitender Ramchandani, AICP, PMP, Program Manager, - 804-788-0868, [jitender.ramchandani@oipi.virginia.gov](mailto:jitender.ramchandani@oipi.virginia.gov)

Katie Schwing, AICP, Senior Planner – 804-788-2362, [kathryn.schwing@oipi.virginia.gov](mailto:kathryn.schwing@oipi.virginia.gov)

Chris Wichman, Senior Planner – 804-788-2366, [chris.wichman@oipi.virginia.gov](mailto:chris.wichman@oipi.virginia.gov)

You can visit [www.vtrans.org](http://www.vtrans.org) any time to get more information about the overall VTrans update.

Next

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# 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:

# ONLINE SURVEY GENERAL QUESTIONS 3-6

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?



# ONLINE SURVEY GENERAL QUESTIONS 3-6

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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)

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.



# ONLINE SURVEY UDA QUESTIONS 9-11

## 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)

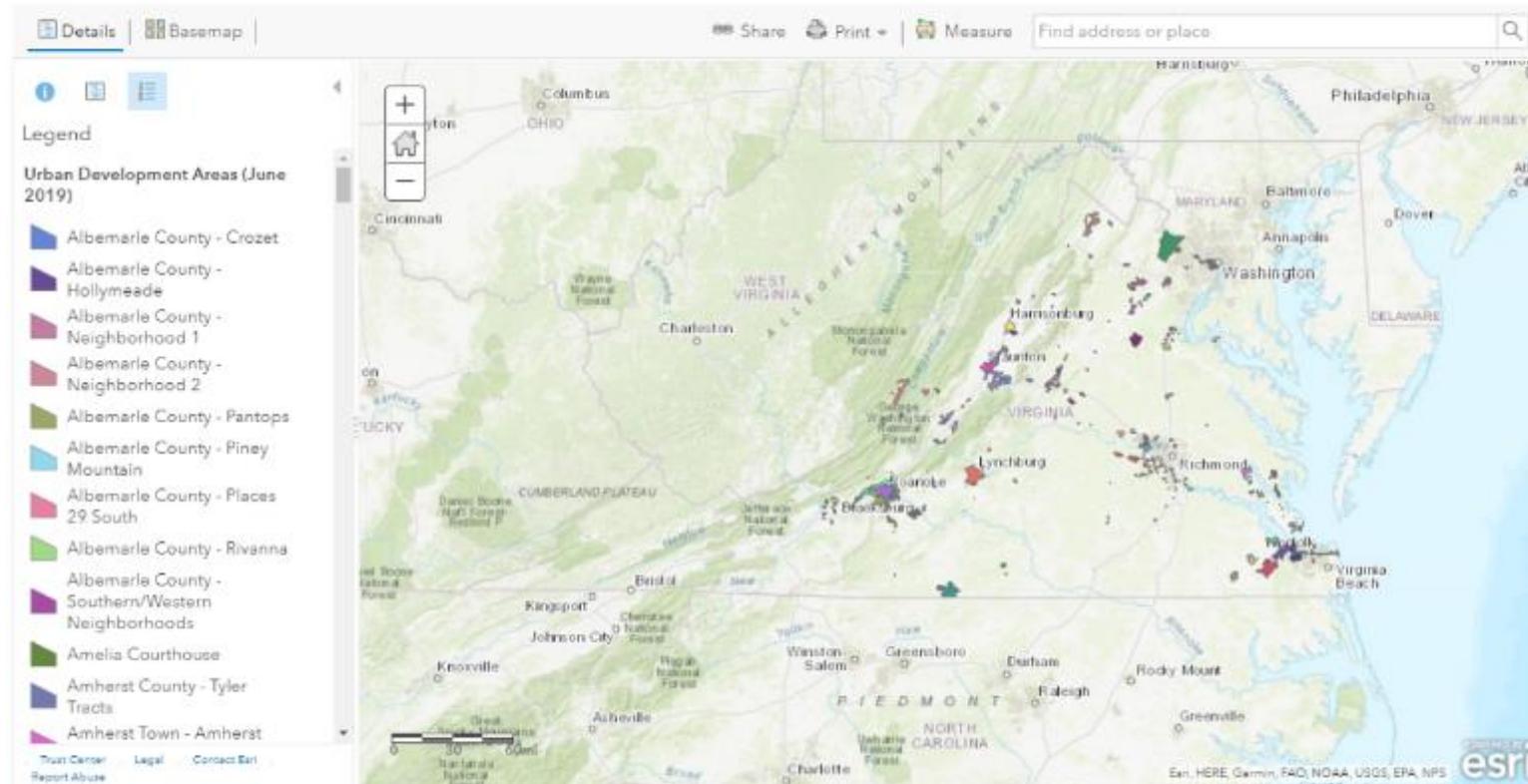
[View Map Here](#)

- 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).

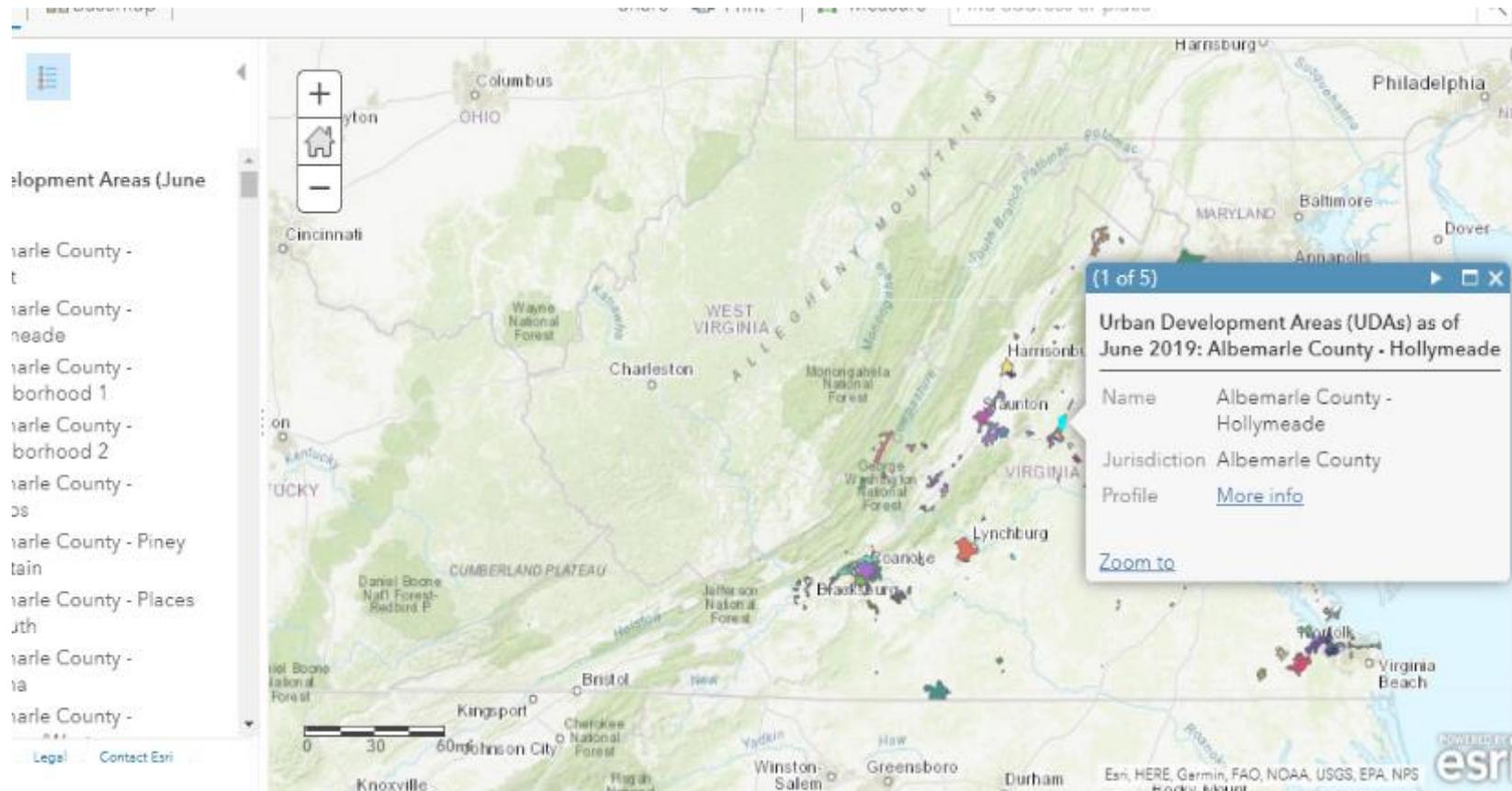
# UDA REFERENCE MAP HOME SCREEN

ArcGIS Urban Development Area Review Map for VTrans Needs Process, Summer 2019

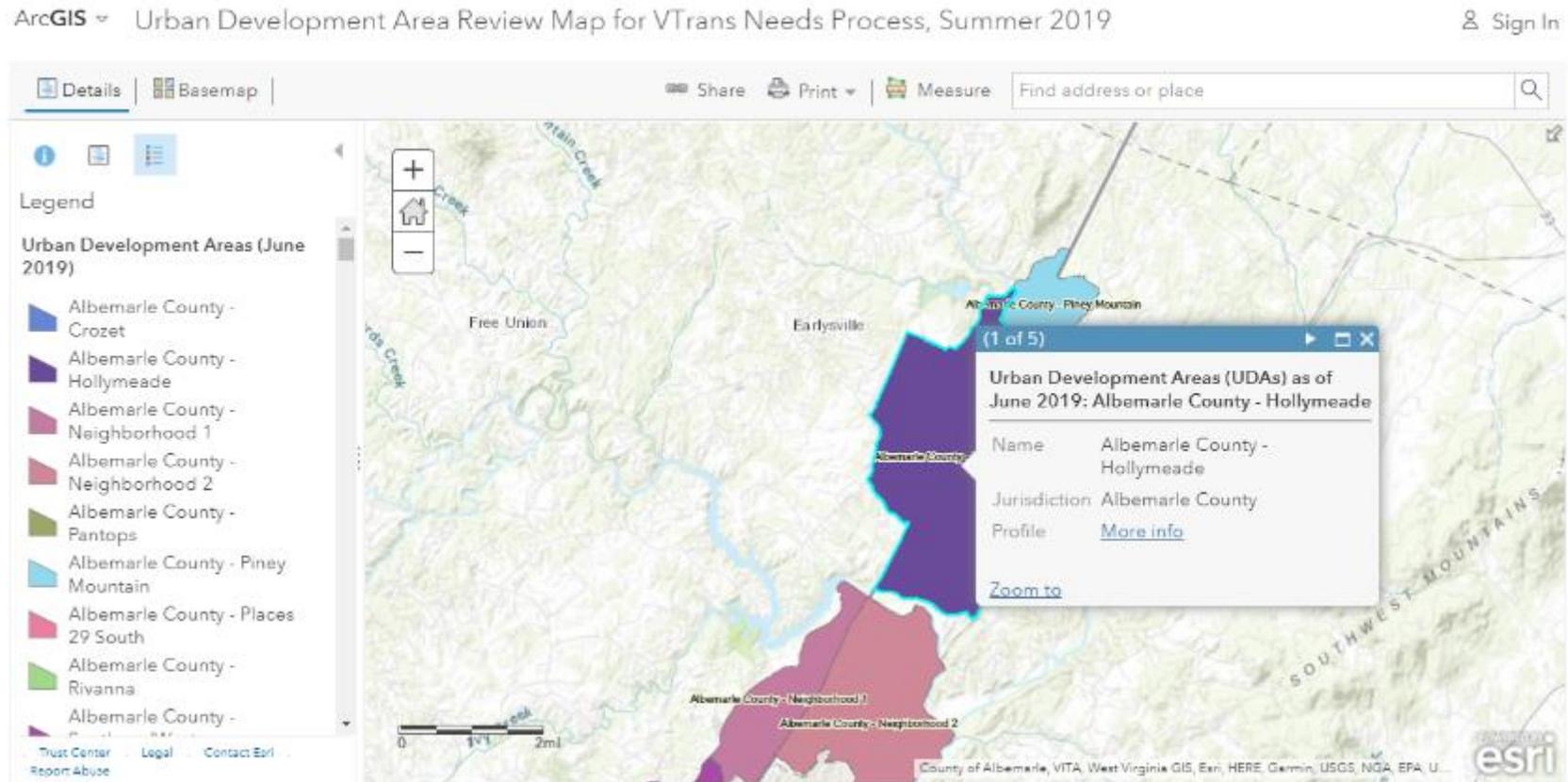
Sign In



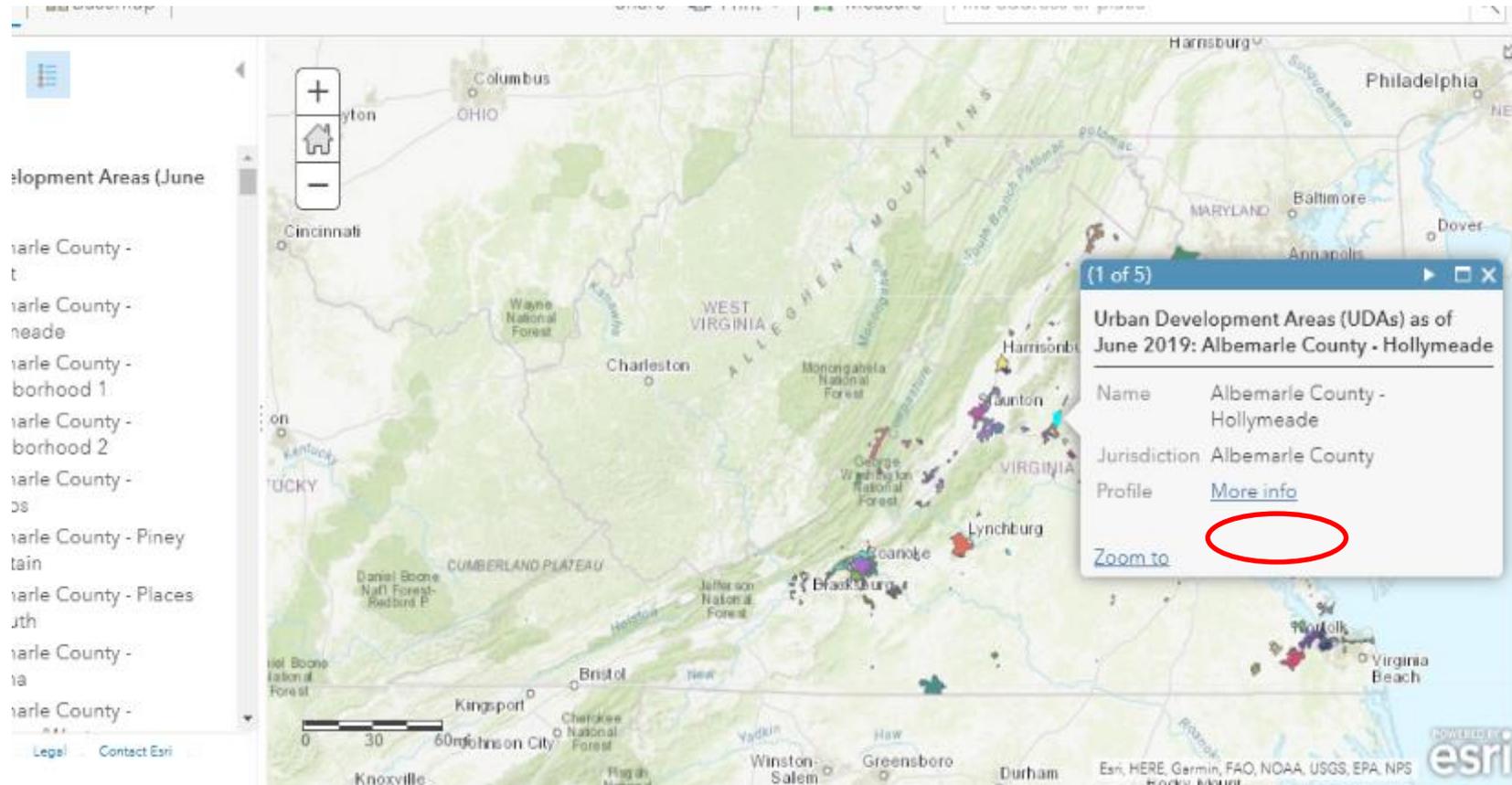
# UDA REFERENCE MAP EXAMPLE UDA SUMMARY POPUP



# UDA REFERENCE MAP ZOOMED-IN VIEW OF EXAMPLE UDA



# UDA REFERENCE MAP EXAMPLE UDA "MORE INFO" LINK



# UDA REFERENCE MAP NEEDS PROFILE (FROM “MORE INFO” LINK)



## 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

**PDC** – 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.

### Geographic Location

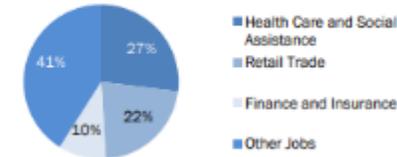
### Socio-Economic Characteristics

**UDA Characteristics:** (Source: LEHD, 2010)

**Total Population** – 11,727 persons

**Total Primary Jobs** – 2,074 jobs

#### Jobs by Industry



#### Total Jobs by Earnings



# ONLINE SURVEY UDA QUESTIONS 12-13

12. Since 2015 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

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
- Residential growth in terms of number/type of housing units or acres zoned
- Commerical growth such as acres rezoned, square footage, number/type of businesses, number of employees, etc.

# ONLINE SURVEY UDA QUESTION 14

14. Thinking of the overall transportation needs for the UDAs in your jurisdiction, please rank the following

	1	2	3	4	5
Safety for All Users	<input type="radio"/>				
Circulation and access within the UDA	<input type="radio"/>				
Access to transportation networks beyond the UDA	<input type="radio"/>				
Friendly pedestrian and bicycle environment	<input type="radio"/>				
Transit enhancements	<input type="radio"/>				

(1 being the highest, 5 the lowest).



# ONLINE SURVEY UDA QUESTIONS 15-16

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)

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)

- 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)

- 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

Enter another option

HIGH	MODERATE	LOW	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# ONLINE SURVEY UDA QUESTIONS 17-18

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%)

	<25%	25-50%	50-75%	>75%
Pedestrian Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bicycle Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Signage/Wayfinding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Roadway Network	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transit Network	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Connections between modes of transportation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Streetscaping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



# ONLINE SURVEY UDA QUESTIONS 19-21

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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?

# ONLINE SURVEY UDA CLOSING SCREEN

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## 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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You can visit [www.vtrans.org](http://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](#)

