

# Access Management on US 250 E. from VA 20 east to Hanson Road

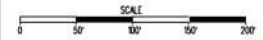
**VDOT** Virginia Department of Transportation  
Culpeper District Design Unit

Route 250 Pantops Median and Access Management  
March 2020

**Legend**

-  Concrete Sidewalk
-  Concrete Median/Curb/Truck Apron
-  Proposed ROW
-  Existing ROW (from GIS)
-  Approx. Temp. Easement (grading limits T.B.D.)
-  Pavement/Lane Markings

Location: Pantops, Albemarle County



Sheet 1/2



**CONCEPTUAL SKETCH**  
DRAWING IS PURELY CONCEPTUAL AND SUBJECT TO CHANGE. LIMITS OF IMPACTS ARE SPECULATIVE. EXISTING R/W AND PROPERTY LINES ARE APPROXIMATE AND NOT BASED ON SURVEY. NO PROJECT HAS BEEN INITIALIZED, FUNDED, OR APPROVED AT THE TIME THIS DRAWING WAS CREATED.



# Access Management on US 250 E. from VA 20 east to Hanson Road

## Project Description

This project will close the open median on the Route 250 corridor from Peoples Place to Hanson Rd. with partial median breaks at Peoples Place and Hanson Rd. and an Innovative Intersection break at Town & Country Dr.

## Cost Estimate

Preliminary Engineering .....	\$1.0 million
Right of Way Acquisition .....	\$2.0 million
Construction .....	\$8.0 million

## Needs Addressed



Safety



Pedestrian Access



Bicycle Access



Congestion

## Project Concerns

No known concerns at this time

## Entity Submitting

Albemarle County



# Belvedere and Rio Road Intersection Improvements

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## Project Description

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This project will convert the existing un-signalized intersection to a Restricted Crossing U-Turn (R-CUT). This will reduce the number of conflict points and crashes at the intersection and will improve access and mobility along the corridor with improvements to pedestrian features.

## Cost Estimate

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Preliminary Engineering .....	<b>\$1.0 million</b>
Right of Way Acquisition .....	<b>\$1.0 million</b>
Construction .....	<b>\$5.0 million</b>

## Needs Addressed

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**Safety**



**Pedestrian Access**

## Project Concerns

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No known concerns at this time

## Entity Submitting

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Albemarle County



# Exit 107 Park & Ride Lot

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## Project Description

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This project will provide a new park & ride lot at Exit 107 off Interstate 64. The new lot will provide 25 parking spaces and include a transit bus turnaround, a transit shelter, a bicycle rack, and turn lane improvements.

## Cost Estimate

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Preliminary Engineering .....	<b>\$0.9 million</b>
Right of Way Acquisition .....	<b>\$0.2 million</b>
Construction .....	<b>\$1.6 million</b>

## Needs Addressed

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**Transportation  
Demand Management**



**Bicycle Access**

## Outstanding Concerns

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No known concerns at this time

## Entity Submitting

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TJPDC

# Fifth Street Hub and Trails





# Fifth Street Hub and Trails

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## Project Description

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This project will leverage existing Transportation Alternatives funding to complete a shared use path that connects a commercial space adjacent to 5th Street to the Fifth Street Station shopping center. This trail is the first of a planned network of trails in the area to connect bicyclists and pedestrians to commercial and recreational amenities.

## Cost Estimate

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Preliminary Engineering .....	<b>\$1.0 million</b>
Right of Way Acquisition .....	<b>\$1.0 million</b>
Construction .....	<b>\$4.0 million</b>

## Needs Addressed

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**Pedestrian Access**



**Bicycle Access**

## Outstanding Concerns

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Potential interruptions to current use of trails in the area

## Entity Submitting

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TJPDC

# Hydraulic Road and US 29

## Preferred Scenario



Option 1	Features	Cur. Cost (Mil.)	Fut. Cost (Mil.)
Hydraulic Rd./29	Opt. B - No Left turn from Hydraulic Rd.	\$1.0	\$1.2
Angus Rd./29	Opt A - CGT	\$1.2	\$1.4
Zan Rd.	Bicycle and Pedestrian Overpass	\$9.0	\$12.0
Hydraulic Rd./Hillsdale Dr.	Roundabout	\$7.0	\$9.0
Hydraulic Rd.	Access Improvement	\$0.8	\$1.0
	<b>Total Cost</b>	<b>\$19.0</b>	<b>\$24.6</b>



Virginia Department of Transportation

# Hydraulic Road and US 29

## Project Description

This project includes multiple elements to improve safety and mobility at the US 29 and Hydraulic Road intersection and nearby intersections and interchanges. It includes eliminating left turning movements from Hydraulic Road onto US 29, facilitating safe pedestrian access across 29 at the intersection, creating a Continuous Green T intersection at Angus Road, constructing a bike/ped bridge across US 29 at Zan Road, and replacing the signalized intersection at Hillsdale Drive and Hydraulic Drive with a roundabout.

## Cost Estimate

Preliminary Engineering .....	<b>\$2.0 million</b>
Right of Way Acquisition .....	<b>\$2.4 million</b>
Construction .....	<b>\$20.2 million</b>

## Needs Addressed



**Safety**



**Congestion**



**Pedestrian  
Access**



**Bicycle  
Access**



**Economic  
Development**

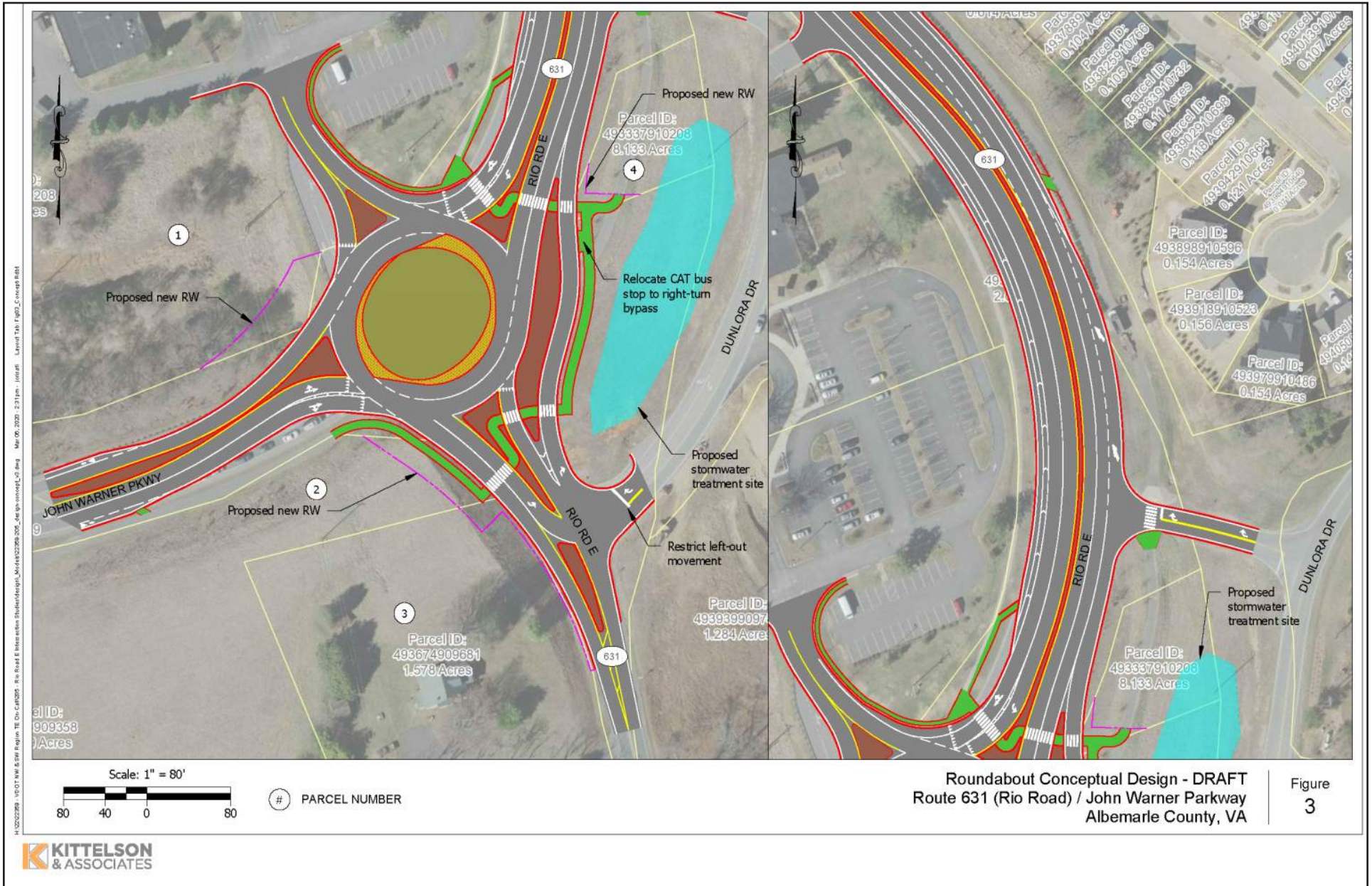
## Project Concerns

No known concerns at this time

## Entity Submitting

Charlottesville-Albemarle MPO

# John Warner Parkway and Rio Road Intersection Improvements



H:\2022\288 - VDOT F&E\BWP - Rio Road E Intersection Study\design\mxd\493337910208\_2022\_dwg.dwg - 2/3/2022 2:31pm - jowatt - Layout Title Page\_C-merge.Rvt

# John Warner Parkway and Rio Road Intersection Improvements

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## Project Description

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This project will convert the existing signalized intersection to a roundabout. This will reduce the number of conflict points and crashes at the intersection and will improve mobility along the corridor with improvements to pedestrian and bicyclist features.

## Cost Estimate

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Preliminary Engineering .....	\$1.0 million
Right of Way Acquisition .....	\$1.0 million
Construction .....	\$6.2 million

## Needs Addressed

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**Safety**



**Pedestrian Access**



**Bicycle Access**

## Project Concerns

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- Concern over loss of wildflower meadow

## Entity Submitting

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Albemarle County

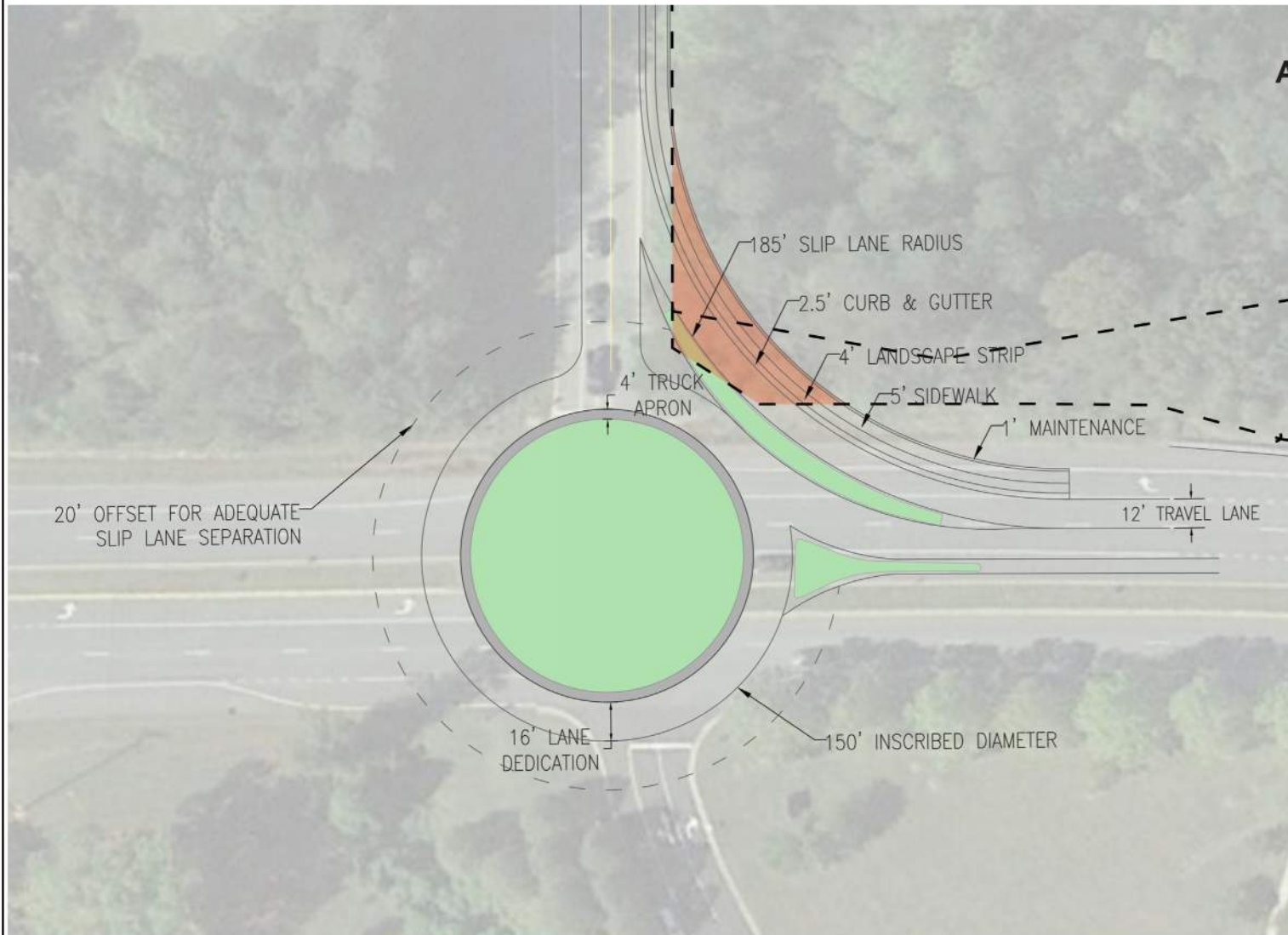
# Old Lynchburg Road and Fifth Street Extended Intersection Improvements

ZONING MAP AMENDMENT  
ZMA201900003

## ALBEMARLE BUSINESS CAMPUS SINGLE-LANE ROUNDAABOUT EXHIBIT Sheet 1 of 1

This exhibit is shown for roundabout feasibility purposes. This exhibit shows a roundabout with a 150' inscribed diameter, slip lane, and pedestrian improvements.

Approximately 0.05 AC (2350 SF) ROW dedication from the eastern portion of the project property may be required for a single-lane roundabout with a 150' inscribed diameter.



**Key**

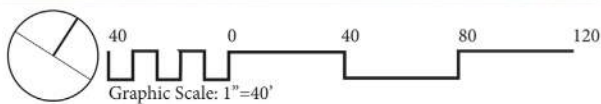
- Area on project property that may be required for roundabout improvements
- Parcel boundary

TMP(s) 76-46A, 76-54, Portion of 76-46F

Submitted 18 March 2019  
Revised 17 June 2019  
Revised 29 July 2019  
Revised 13 September 2019  
Revised 16 December 2019  
**REVISED 16 MARCH 2020**

project: 18.004

**SHIMP ENGINEERING, P.C.**



# Old Lynchburg Road and Fifth Street Extended Intersection Improvements

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## Project Description

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This project will convert the existing un-signalized intersection to an alternative intersection (roundabout). This will help reduce conflict points and increase pedestrian and bicyclist access at the intersection. A traffic study is currently underway and is expected to be complete in the Spring of 2020

## Cost Estimate

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Preliminary Engineering .....	\$1.0 million
Right of Way Acquisition .....	\$1.5 million
Construction .....	\$6.0 million

## Needs Addressed

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**Safety**



**Pedestrian Access**



**Bicycle Access**



**Transit Access**

## Project Concerns

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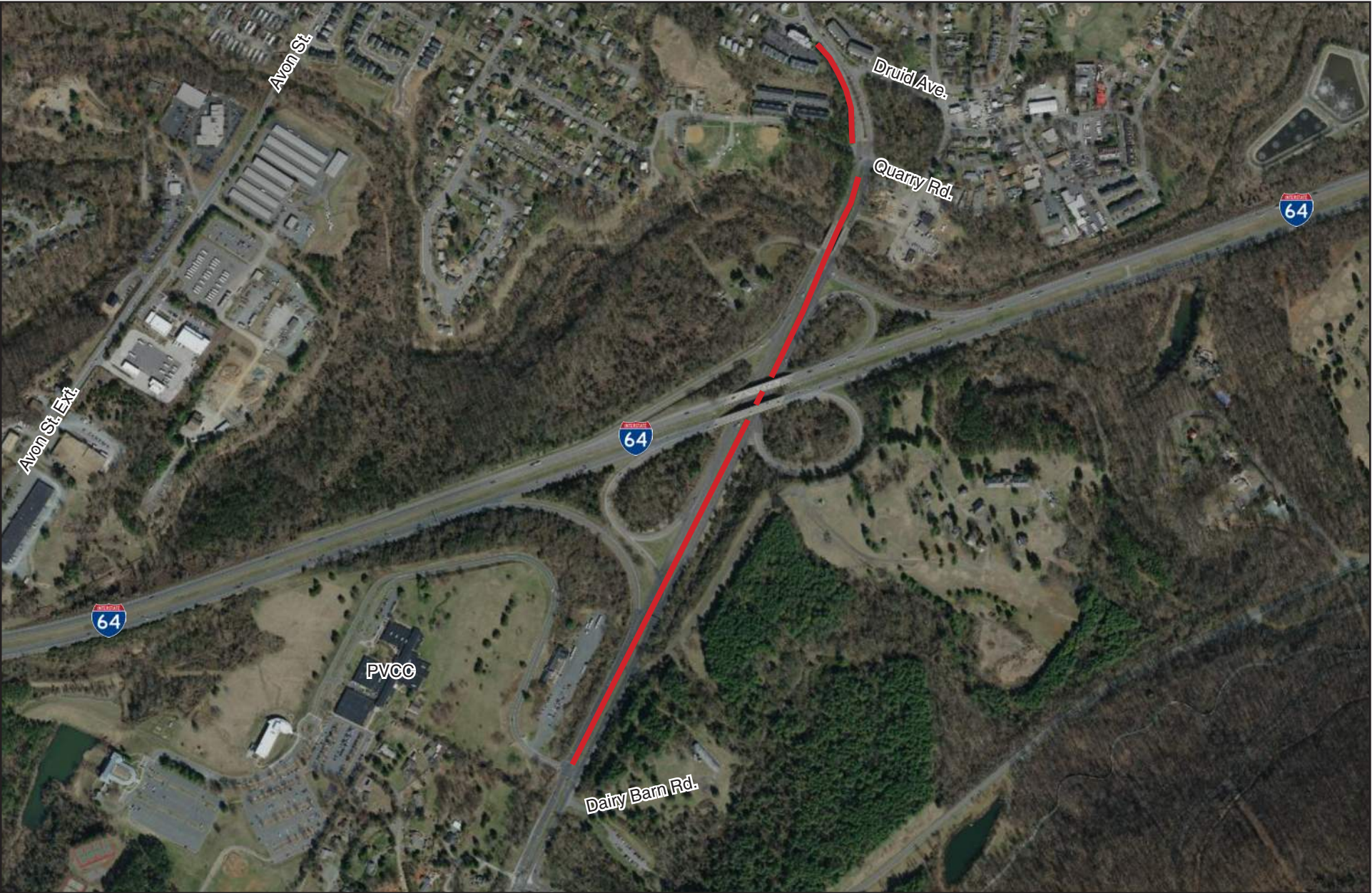
No known concerns at this time

## Entity Submitting

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Albemarle County

# Route 20 Shared Use Path





# Route 20 Shared Use Path

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## Project Description

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This project will build a shared use bike & pedestrian path that will run along the median of Route 20 from the intersection of Rt 20/Monticello and Quarry Road to Route 20 and Dairy Barn Road. This project includes the addition of bike lanes, crosswalks, and sidewalks. This project creates bike and pedestrian access to PVCC and Saunders-Monticello trailhead.

## Cost Estimate

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Preliminary Engineering .....	<b>\$.1.0 million</b>
Right of Way Acquisition .....	<b>\$.1.0 million</b>
Construction .....	<b>\$.1.5 million</b>

## Needs Addressed

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**Pedestrian Access**



**Bicycle Access**

## Outstanding Concerns

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- Memorial trees planted throughout Route 20 median
- Safety concerns for crossing to the median at the northern end of the project near Quarry Road

## Entity Submitting

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Charlottesville-Albemarle MPO

# Route 29 Shared Use Path from Carrsbrook to Seminole Lane



# Route 29 Shared Use Path from Carrsbrook to Seminole Lane

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## Project Description

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This project will provide a new shared use path along the east side of US 29 between Carrsbrook Drive and Seminole Lane. The new 10-foot wide shared use path will replace the existing sidewalk and provide improved bicycle and pedestrian accommodations.

## Cost Estimate

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Preliminary Engineering .....	<b>\$0.8 million</b>
Right of Way Acquisition .....	<b>\$1.5 million</b>
Construction .....	<b>\$1.5 million</b>

## Needs Addressed

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**Pedestrian Access**



**Bicycle Access**

## Outstanding Concerns

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No known concerns at this time

## Entity Submitting

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TJPDC



# US 29 and Fontaine Avenue Interchange Improvements

## Project Description

The project will provide alternative intersection/interchange improvement to the Diverging Diamond Interchange to reduce traffic back-ups in both directions along Fontaine Avenue and along US 29 for vehicles taking the Fontaine Avenue exit. A new 10-foot wide shared use path is provided in the median of the interchange. This project also involves removing the left exit from US 29 northbound onto I-64 West.

## Cost Estimate

Preliminary Engineering .....	<b>\$2.5 million</b>
Right of Way Acquisition .....	<b>\$2.5 million</b>
Construction .....	<b>\$16 million</b>

## Needs Addressed



**Safety**



**Congestion**



**Economic  
Development**

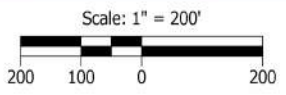
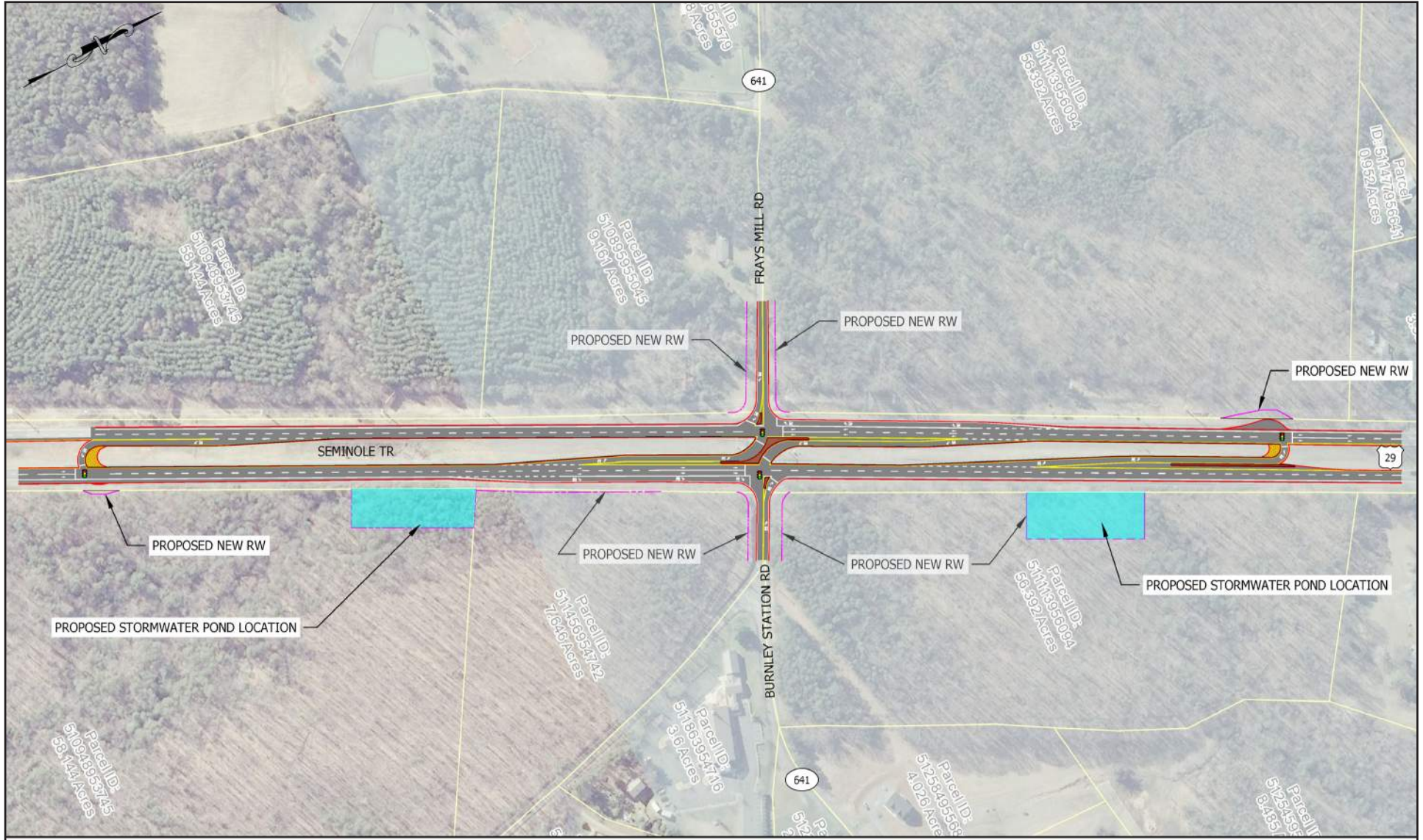
## Project Concerns

No known concerns at this time

## Entity Submitting

Charlottesville-Albemarle MPO

# US 29/ Frays Mill/ Burnley Station Intersection Improvements



RCUT Conceptual Design - DRAFT  
Route 29 (Seminole Trail)/Route 641 (Frays Mill Road/Burnley Station Road)  
Albemarle County, VA

Task  
2.004

# US 29/ Frays Mill/ Burnley Station Intersection Improvements

## Project Description

The project will convert the existing signalized intersection to a signalized restricted crossing u-turn intersection. The project will improve safety by eliminating crossover traffic and will reduce congestion on US 29 by allowing free-flowing traffic at the intersection.

## Cost Estimate

Preliminary Engineering .....	<b>\$1.0 million</b>
Right of Way Acquisition .....	<b>\$1.3 million</b>
Construction .....	<b>\$7.3 million</b>

## Needs Addressed



**Safety**



**Congestion**

## Project Concerns

- Safety concerns for vehicles having to merge through multiple lanes of traffic to get to the u-turn location
- Safety concerns for vehicles making the u-turn movement
- Safety concerns for pedestrian and bicyclist crossing US 29 at the existing intersection without a signal
- Concerns of long delays/additional time needed for vehicles coming and going from Frays Mill or Burnley Station
- Concerns that vehicles will need to travel to Greene County to make the u-turn movement
- Concerns that US 29 traffic is being favored over local Albemarle County Traffic

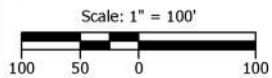
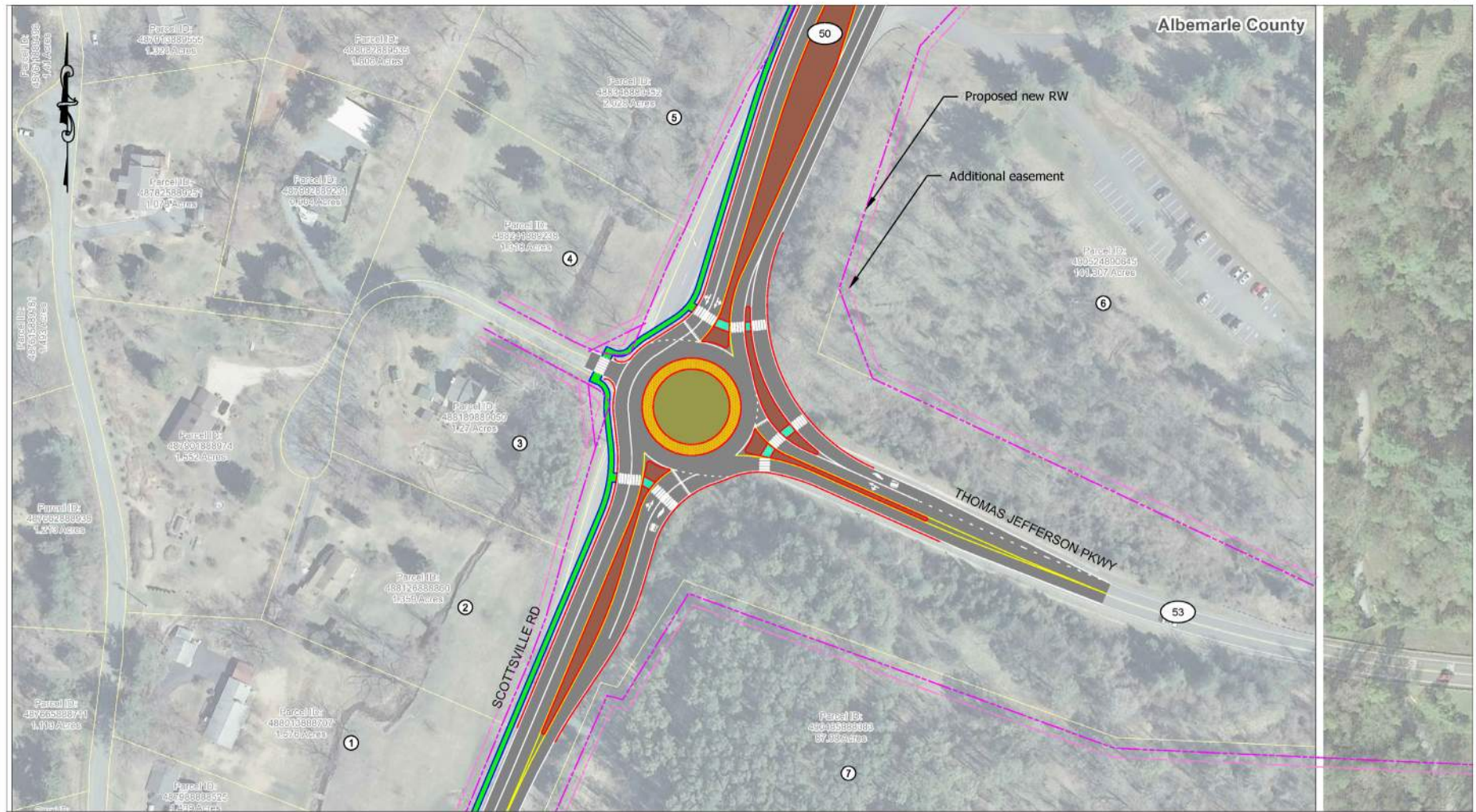
## Entity Submitting

TJPDC

# US 53 and Route 20 Intersection Improvements

VDOT TMPD Intersection Analysis

July 2018



Roundabout Conceptual Design - DRAFT  
Route 20 (Scottsville Road) / Route 53 (Thomas Jefferson Parkway)  
Albemarle County, VA

Figure  
2.001



# US 53 and Route 20 Intersection Improvements

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## Project Description

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This project will convert the existing signalized intersection to a roundabout and include a shared use path along Route 20. This will reduce conflict points and crashes and provide increased access for pedestrians and bicyclists.

## Cost Estimate

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Preliminary Engineering .....	\$1.0 million
Right of Way Acquisition .....	\$1.5 million
Construction .....	\$5.0 million

## Needs Addressed

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**Safety**



**Pedestrian Access**



**Bicycle Access**

## Project Concerns

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No known concerns at this time

## Entity Submitting

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Albemarle County