



Update on VDOT Project: Richmond Avenue Road Diet & Roundabout

March 27, 2025

Richmond Ave. Roundabout/Road Diet Project –Original Budget/Concept



- Original Scope: Two-lane Roundabout and Richmond Ave Road Diet with raised medians and shared use path
- Initial VDOT SMART SCALE funding = \$2.25M
- Revised Estimate (2024) for Original Scope = \$15.8M

Funding gap of \$13.5M

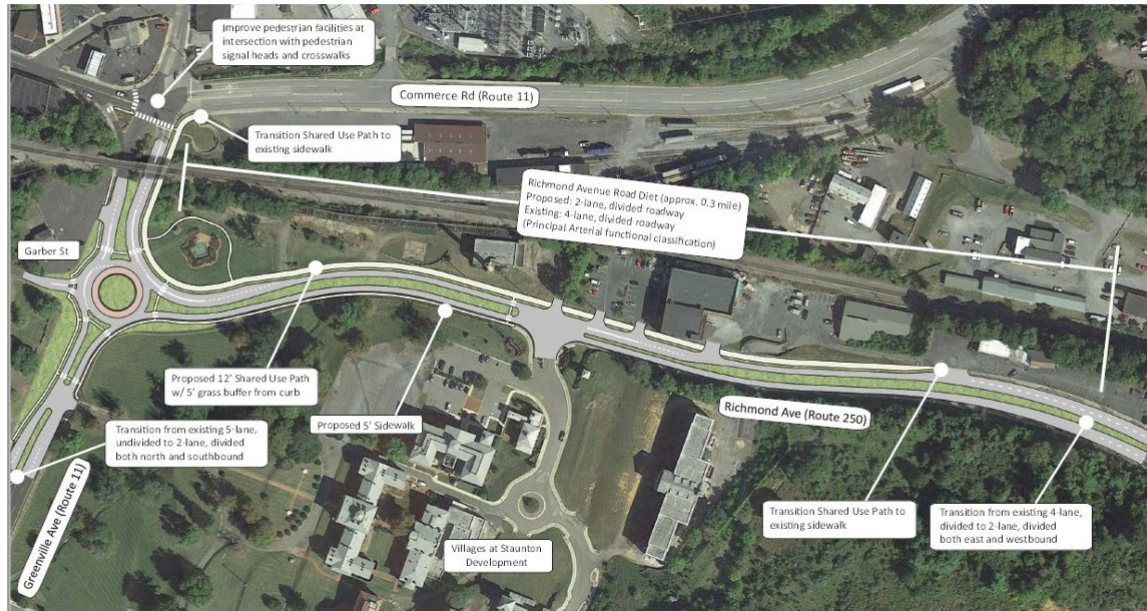
Roundabout/Road Diet Original Budget/Concept

Roundabout/Road Diet = \$2.25M (VDOT SMART SCALE funds)

Revised Estimate=\$15.8M (2024)



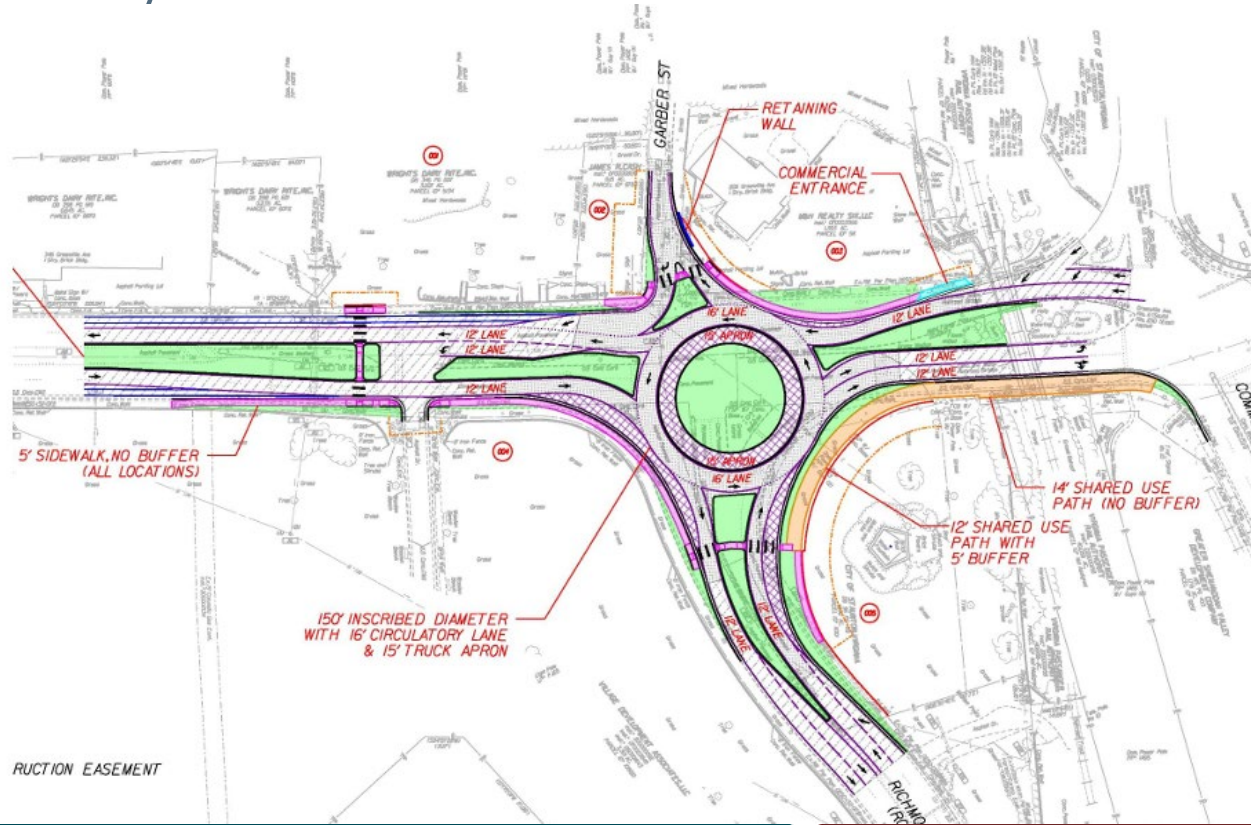
Original SMART SCALE Sketch



Roundabout/Road Diet Revised Budget/Concept

Single-lane Roundabout = **\$7.80M**

Includes necessary transition to roundabout from Richmond Ave.



Roundabout/Road Diet Revised Budget/Concept

Single-lane Roundabout = \$7.80M

Road Diet = **Additional \$1.36M**



PROJECT MANAGER _____
SURVEYED BY, DATE _____
DESIGN BY _____
SUBSURFACE UTILITY BY, DATE _____

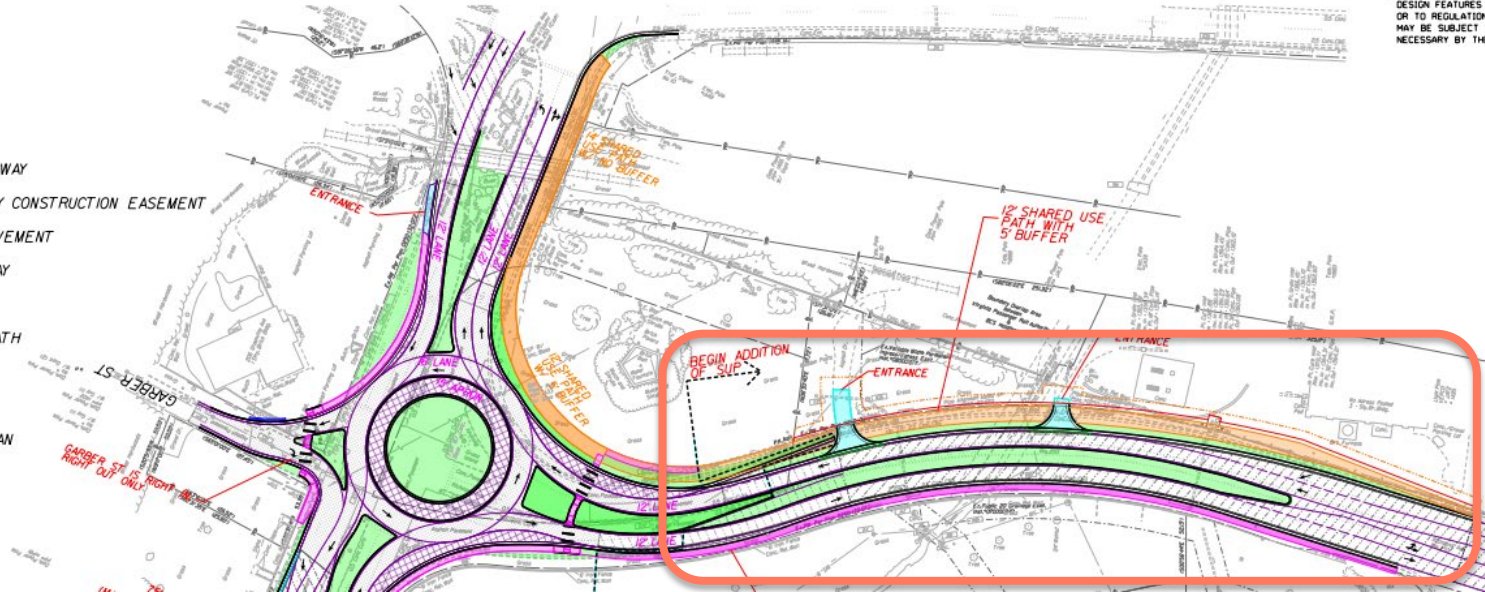
SINGLE LANE ROUNDABOUT LAYOUT (UPC IIII051)

REVISED	DATE

DESIGN FEATURES
OR TO REGULATION
MAY BE SUBJECT
NECESSARY BY THE

LEGEND:

- LANE LINES
- BIKE LANE
- PROP. RIGHT OF WAY
- PROP. TEMPORARY CONSTRUCTION EASEMENT
- FULL DEPTH PAVEMENT
- MILL AND OVERLAY
- SIDEWALK
- SHARED USE PATH
- TRUCK APRON
- GRASS MEDIAN
- CONCRETE MEDIAN
- ENTRANCE



Roundabout/Road Diet Revised Budget/Concept

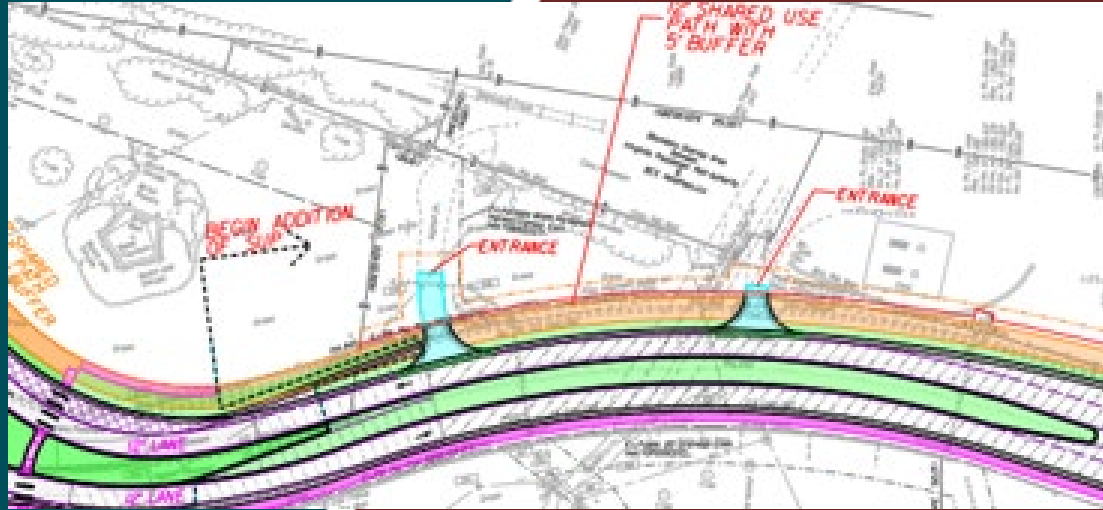
Single-lane Roundabout = \$7.80M

Road Diet = **Additional \$1.36M**



Elements of Richmond Ave. Road Diet

- Shared Use Path on north side
- Sidewalk on south side
- Raised median
- Provides more strategic transition into roundabout
- Further extends aesthetic gateway up to Village Drive



Richmond Ave. Roundabout/Road Diet Project – Revised Budget/Concept



Single-Lane Roundabout Only

Updated Information from VDOT:

\$7.80M Updated Estimate for Roundabout

\$2.25M SMART SCALE funding from VDOT

+ \$1.15M Additional funding from VDOT

\$3.40M Total funding from VDOT



\$4.40M shortfall

Richmond Ave. Roundabout/Road Diet Project – Revised Budget/Concept



Single-Lane Roundabout Only

Possible funding sources for \$4.40M shortfall:

VDOT Revenue Sharing

- VDOT funds a portion of project shortfall
- VDOT estimates that sources would be:

VDOT: \$1.54M

City: \$2.86M

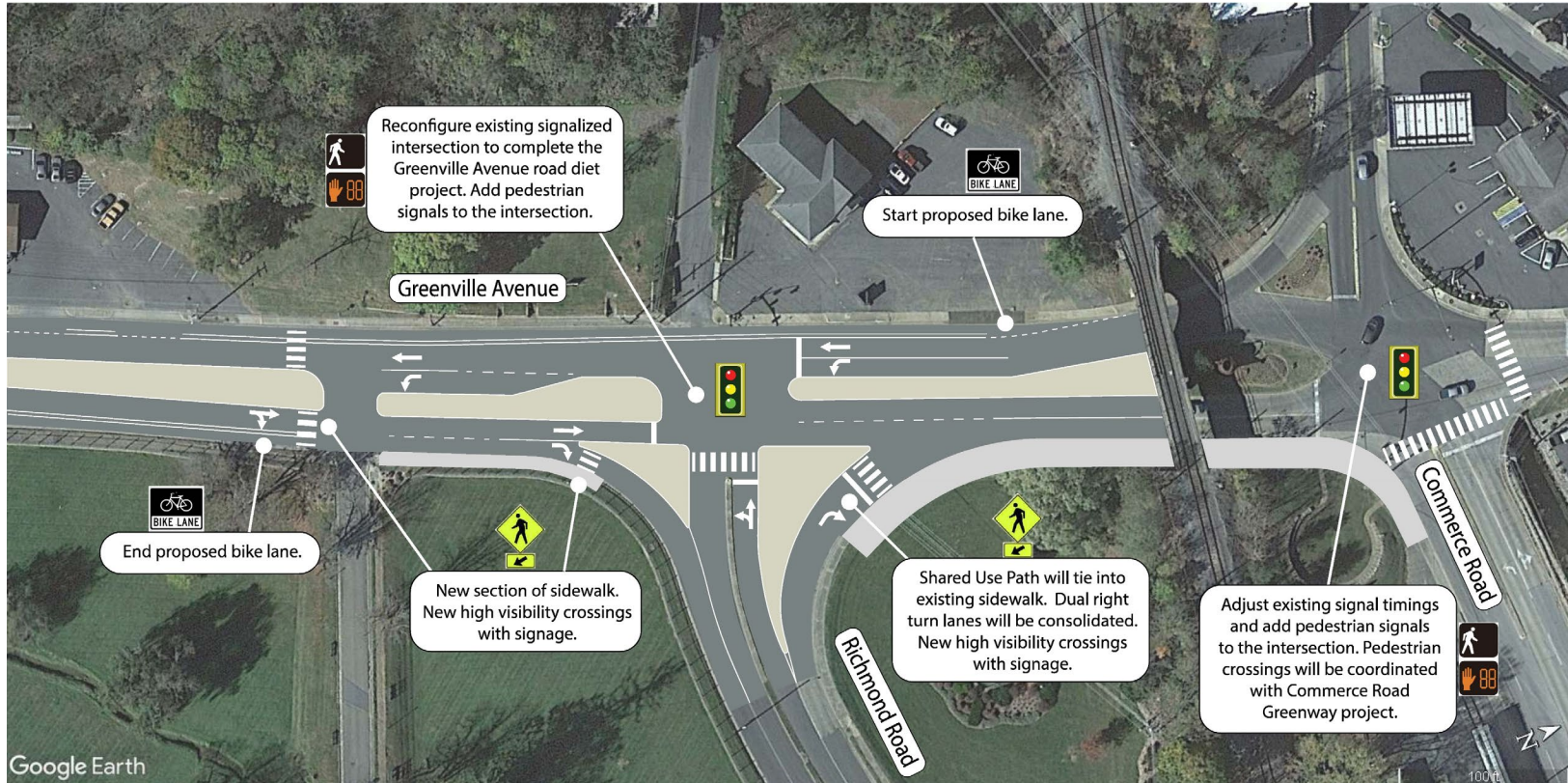
Richmond Ave. Roundabout/Road Diet Project – Revised Budget/Concept



Alternatives to Roundabout?

- Use \$3.40M of currently available VDOT funding for improved conventional intersection
- Would still need to accommodate:
 - Adequate pedestrian accessibility
 - Traffic Level of Service
 - Interface with Greenville Avenue Road
 - Diet and Commerce Road / Lewis Creek Greenway

Alternative #1: Intersection Improvement (from Nov 2024)



Decision Points.....



Does City pursue...?:

a) **Roundabout** - Proceed with design of single lane roundabout

- VDOT to continue with single lane roundabout design
- City apply for Revenue Sharing
- Identify budget sources for anticipated \$2.86M needed of local funding if Revenue Sharing awarded
- Consider possibility of additional funding (\$1.36M) for Road Diet up Richmond Ave

b) **Alternative Intersection** – Pursue design of signalized intersection

- VDOT to develop concept design of intersection for City's review
- Will need to meet constraints (traffic flow, pedestrian crossings, road diet interface)