

Shockoe Valley Streets Improvement Project

Steering Committee Meeting #2

March 27, 2018

PREPARED FOR:



PREPARED BY:





WELCOME TO RICHMOND'S SHOCKOE VALLEY STREETS IMPROVEMENT PROJECT

Agenda

Welcome and Introductions Review of Steering Committee Input **ULI Rose Fellowship Study** Land Use and Planning Recommended Project Goals **Existing Conditions** Concept Development Streets Intersections

Next Steps



Steering Committee Members

Carlos Brown VCU Health System

Hon. Cheryl Burke 7th District, Richmond School Board (Interim)

Matthew Conrad Union Hill

Hon. Felicia Cosby 6th District, Richmond School Board

Jeff Eastman VCU

Max Hepp-Buchanan Bike Walk RVA Director

Hon. Delores McQuinn Slave Trail Commission

John Murden New Vision Civic League

Stewart Schwartz Partnership for Smarter Growth

Sylvester "Tee" Turner Slave Trail Commission

Keith Westbrook Legislative Assistant to Delegate McQuinn

Brian White Shockoe Bottom Neighborhood

Tom Wilds Church Hill Association

Lawrence Williams East View Civic Association

Patricia Williford Mosby Tenant Council



NARROWER **STREETS**

MORE

RECREATIONAL

EASE OF NAVIGATION

TWO-WAY **TRAFFIC**

REDUCED CONGESTION

IMPROVED MULTIMODAL TRANSPORTATION

SPACE IMPROVED BURIAL GROUND ACCESS

GOALS

PEDESTRIAN FRIENDLY

BIKE LANE/CAPITAL TRAIL CONNECTIVITY

BIKE FRIENDLY

FRIENDLY NEIGHBORHOOD VIBE

BIKE AMENITIES/ FACILITIES

RETENTION PONDS



SENSIBLE STREET **NETWORK**

SURROUNDING CONGESTION

CSX RAIL PARTNERSHIP

REDUCTION IN GROWTH OPPORTUNITIES

LACK OF URBAN
STREET GRID / UNAPPEALING
TO PEDS.

CURRENT BUSINESS ACCESSIBILITY

PEDESTRIAN
FOOTPRINT/WALKING
SPACE

CONCERNS

FAIR AND ADEQUATE
ACCOMMODATIONS FOR
ALL USERS (PEDS., BIKES,
VEHICLES)

DRIVER CONFUSION IN ROUNDABOUTS

LACK OF CONSIDERATION FOR CITY'S FUTURE PLANS

CONSTRUCTION DISRUPTION

VOLUME CAPACITY OF PROPOSED 17TH & BROAD ROUNDABOUT

PONDS AND PARKS
AD STREET

BROAD STREET CONGESTION



UTILITY
INFRASTRUCTURE
IMPROVEMENTS

NEW BUSINESSES

SMALL BUSINESS SHOPS/SPACES

POTENTIAL FOR UNDERUTILIZED AREAS

BETTER BUSINESS ACCESSIBILITY

ECONOMIC GROWTH

FLOOD MITIGATION

CONNECTIVITY IMPROVEMENTS

OPPORTUNITIES

ATTRACTIVE LANDSCAPING/ STREETSCAPEING

BETTER NORTHSIDE/EAST END CONNECTION

LEIGH ST./
DOWNTOWN
CONNECTION USE

STREET TREES

ROUTE 360/MLK BRIDGE LANDSCAPING AND STREETSCAPING

GATEWAY ART

SAFE CROSSING AT BROAD ST./I-95 INTERSECTION

ADA COMPLIANT SIDEWALKS

FAIRFIELD WAY/ROUTE 360 LANDSCAPING AND STREETSCAPING



Thanks to the following people for their support in making this panel possible:

The Honorable Levar Stoney, Mayor

City Councilmember Cynthia Newbille

Robert Steidel, Deputy Chief Administrative Officer of Operations

Jane Ferrara, Department of Economic & Community Development

Ellyn Parker, Public Art Coordinator

Jane Milici, Jeffrey Geiger, ULI Virginia









Rose Commission Takeaways

Neighborhood is full of history and culture that should be preserved. Sites such as Devil's Half Acre.

In previous planning efforts, stakeholders were not listened to. There is a difference between engagement and outreach. This project needs to strive for engagement.

The neighborhood is physically cut-off by large infrastructure (I-95 bridges, railroad trestles, MLK Viaduct).

The floodplain poses unique challenges to future development.

A shared vision needs to be developed.

The neighborhood is a crucial piece of connectivity between downtown, Cannon Creek Greenway, and the Capital Trail. Connectivity influences health and wellness.

Land Use & Planning



Current Zoning

LEGEND

B-4 Central Business District

B-5 Central Business District

B-6 Mixed-Use Business District

M-1 Light Industrial District

R-6 Single Family Attached
Residential

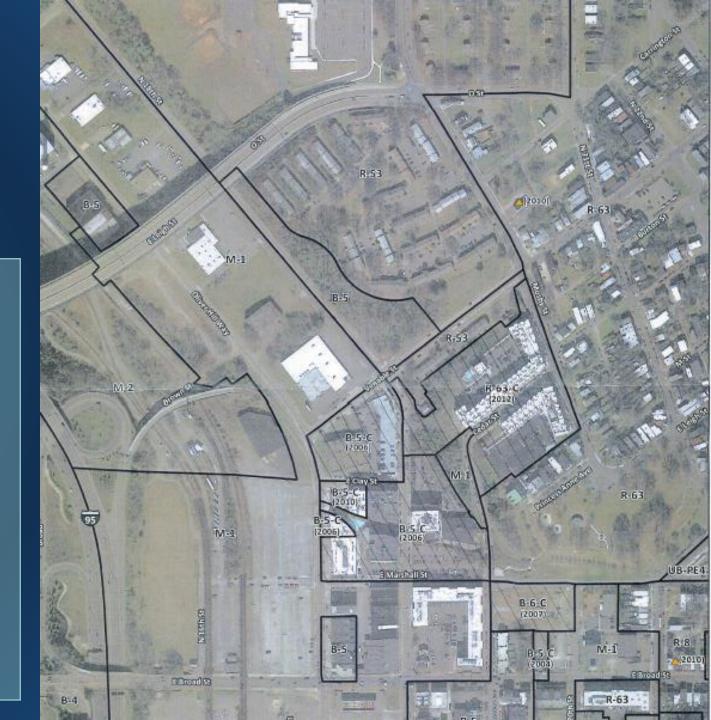
R-8 Urban Residential District

R-53 Multi-Family Residential

R-63 Multi-Family Urban Residential

UB-PE4 Urban Business District, Parking Exempt Overlay





Existing Land-Use

Single-Family

Multi-Family

Commercial/Office

Mixed-Use

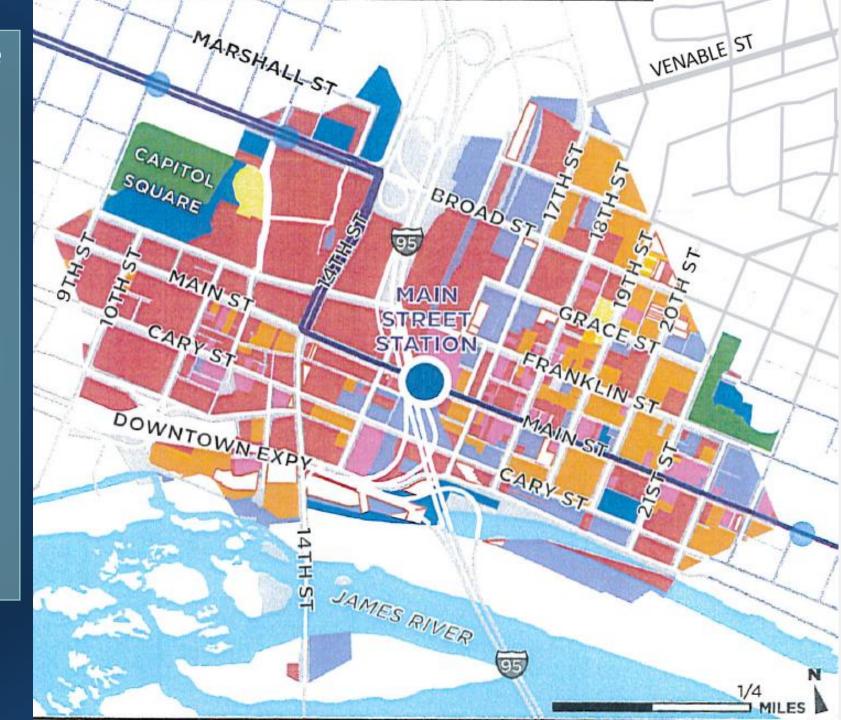
Govt/Institutional

Industrial

Parks/Open Space

Undeveloped

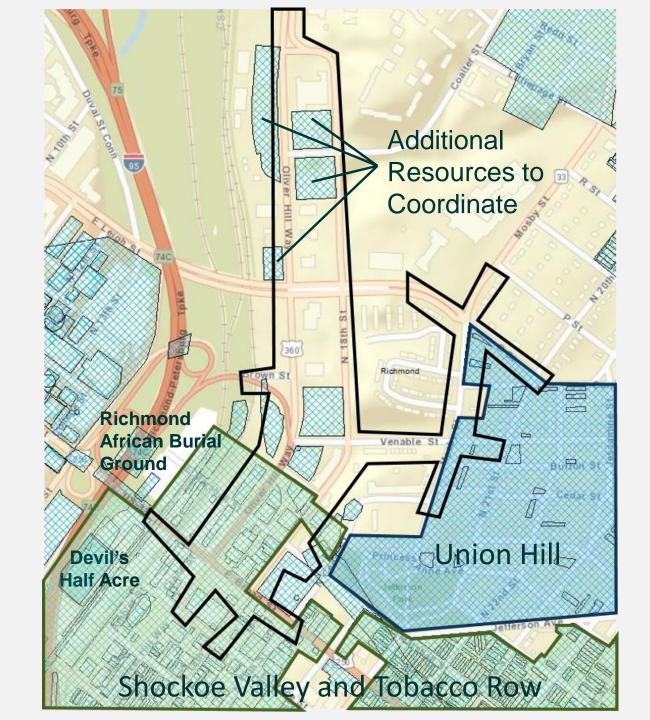


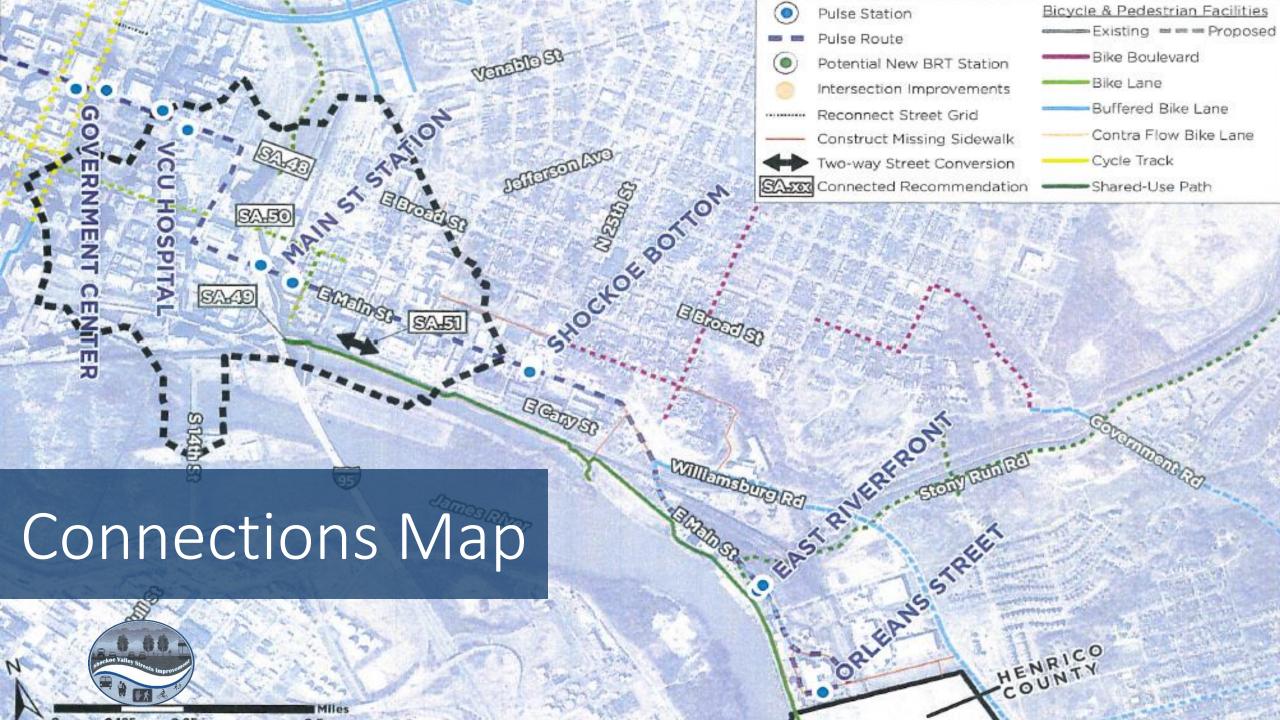




Historic Preservation







Project Goals





Improve safety and operations

- Design improvements to reduce potential conflicts between all modes
- Improve access from I-95 "up the hill"
- Promote lower vehicle speeds
- Accommodate new transit system
- Reduce congestion (no impact on ramp queues)

Create bike and pedestrian scale roadways

- Create complete streets (multimodal)
- Connect bike trails
- Beautify corridors and create places
- Support existing and future land uses

Site Context



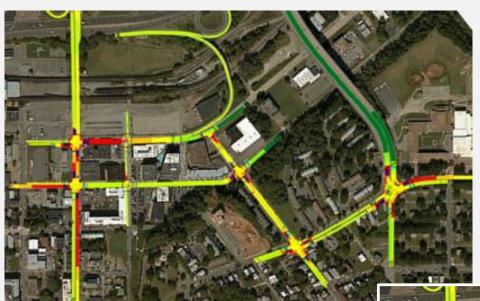


Road Circulation





Existing Conditions Modeled Congestion AM Peak Hour



AM Queue/Delay on WB Broad and NB 18th

8:00-8:15 AM

7:45-8:00 AM





AM Queue/Delay

approaching Broad St



Existing Conditions Modeled Congestion PM Peak Hour



PM Queue Spillback from I-95

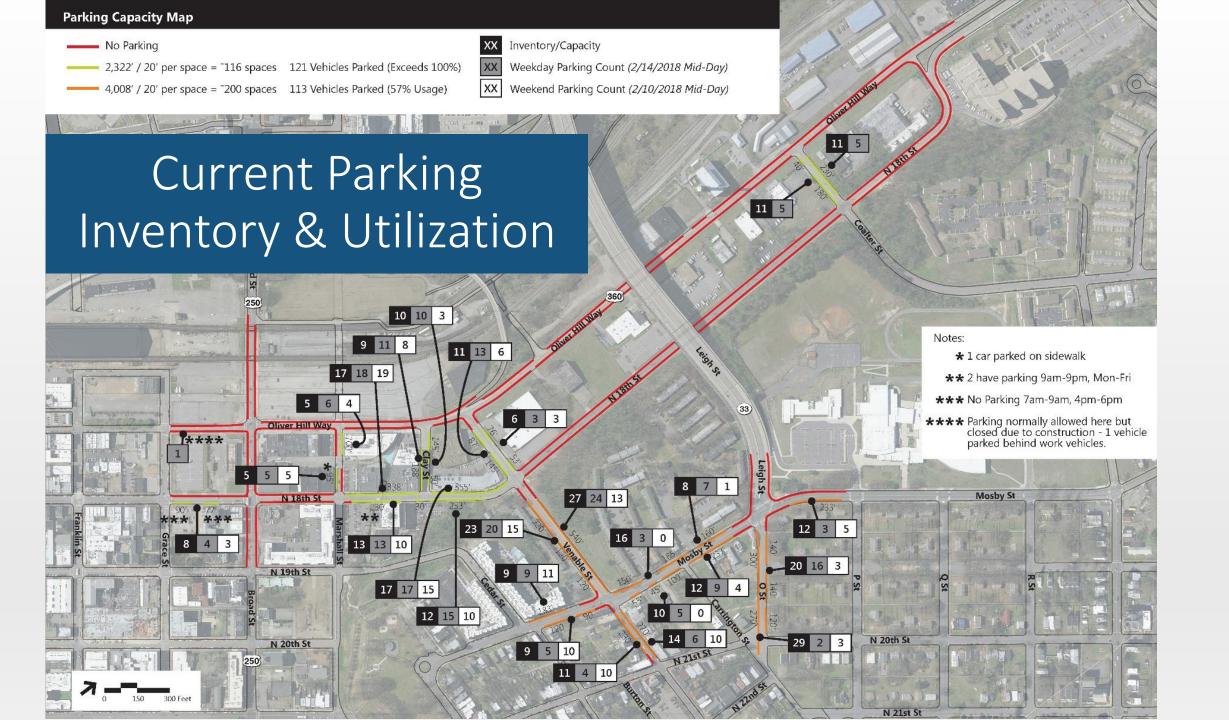
5:30-5:45 PM

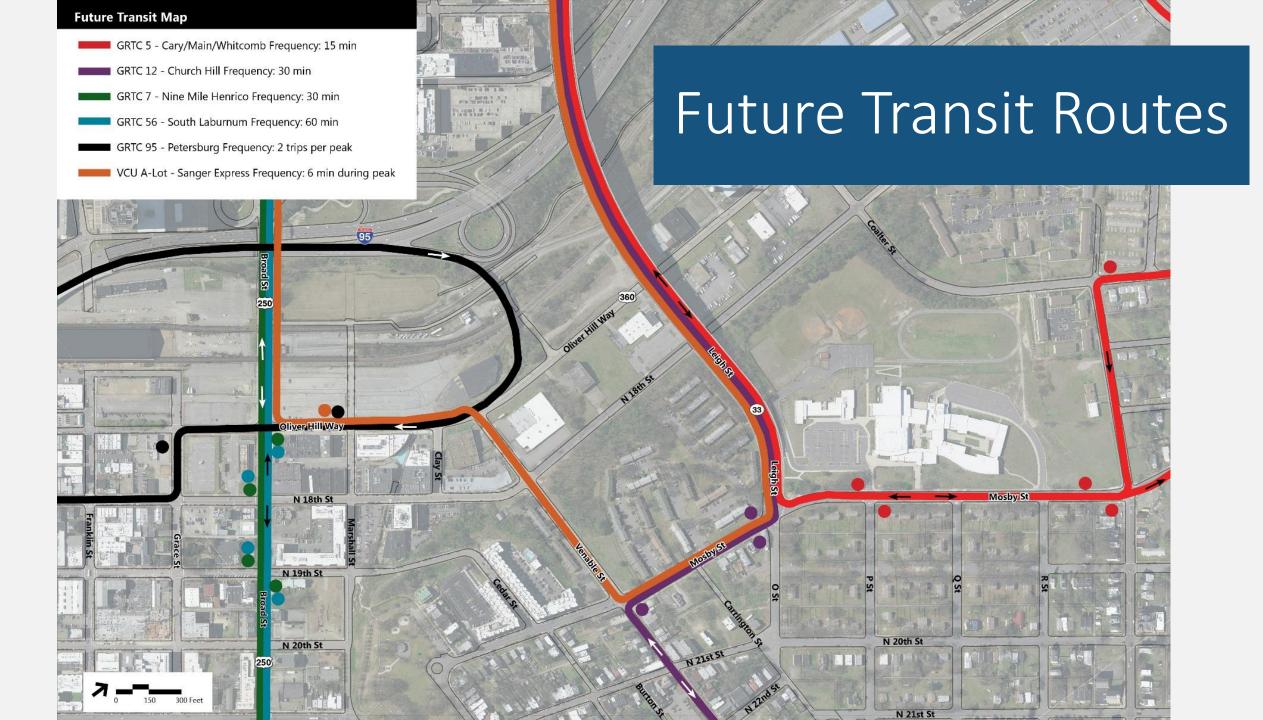


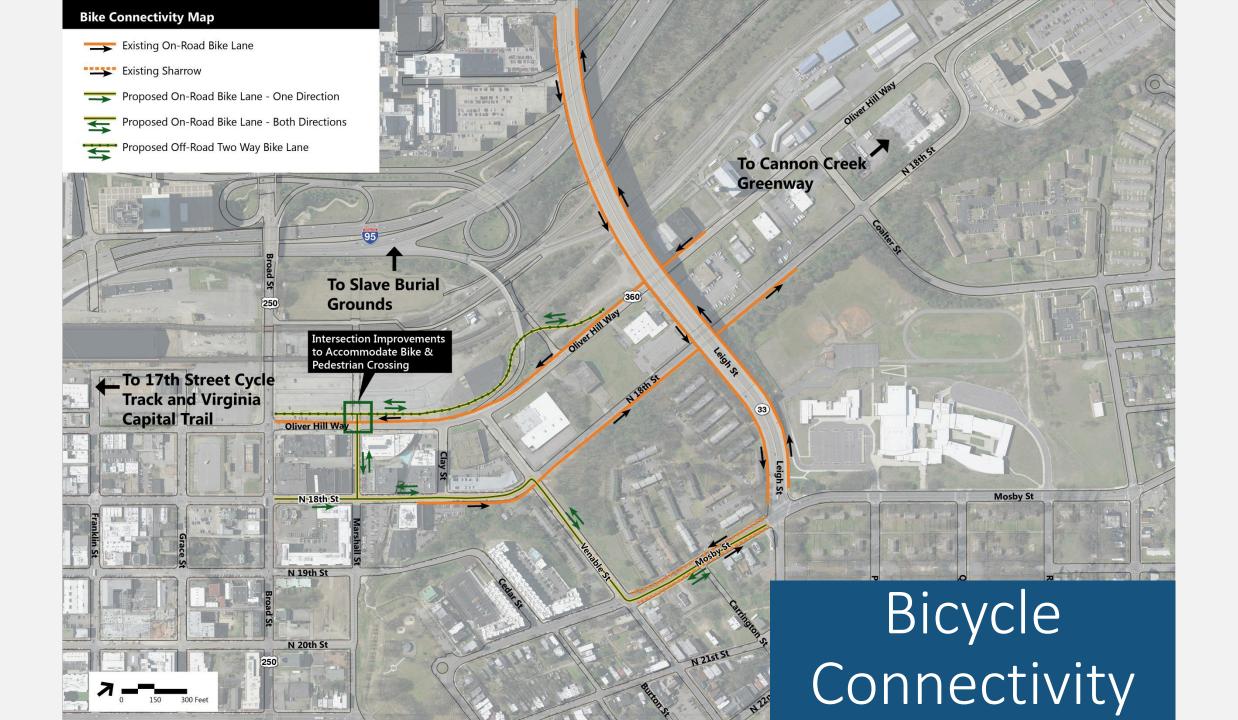
5:15-5:30 PM



5:45-6:00 PM







Concept Development -Streets



Complete Streets Fundamentals

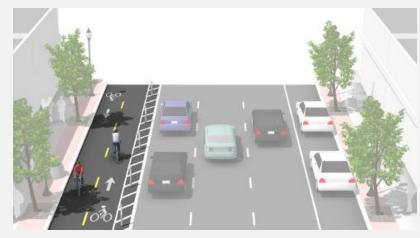
- Promote safe, equitable, and comfortable transportation options for all travel modes (driving, walking, biking, transit).
- Design streets to reduce vehicle speeds and to reduce conflicts between modes.
- Provide separate, defined areas for each activity (driving, parking, walking, biking).
- Accommodate space for landscaping and other elements to attract users to walk, bike, live and shop in the area.
- Strongly consider two-way traffic flow to enhance connectivity.



Bike Lane Configuration Options







Option 2



Option 3



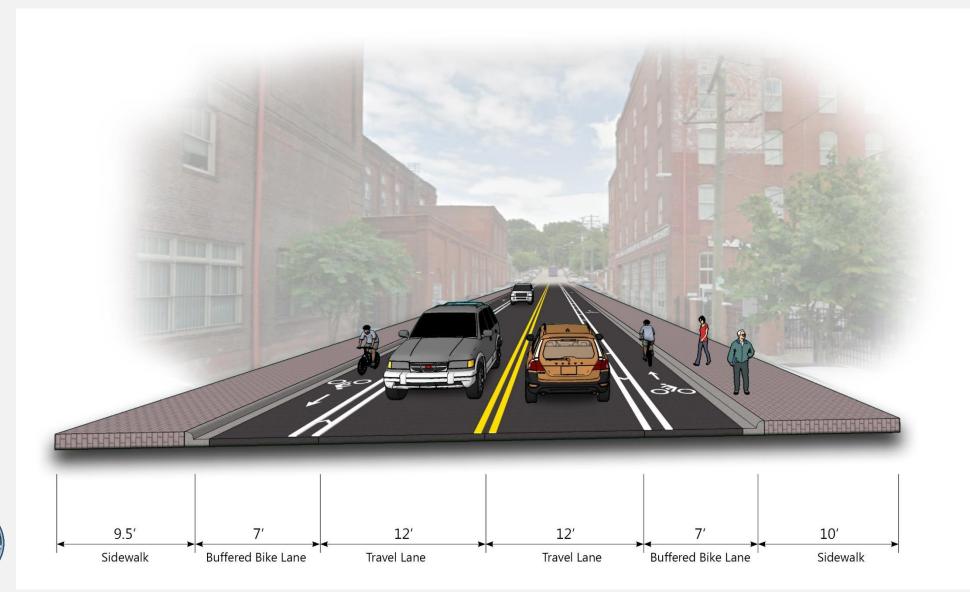
Source: Richmond Bicycle Master Plan

18th Street - Existing



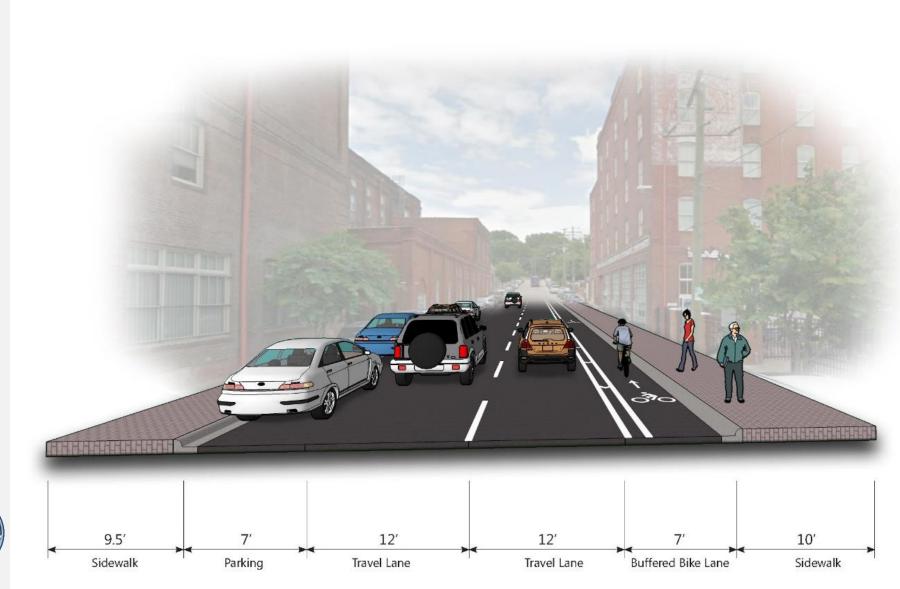


18th Street – Two-Way Option



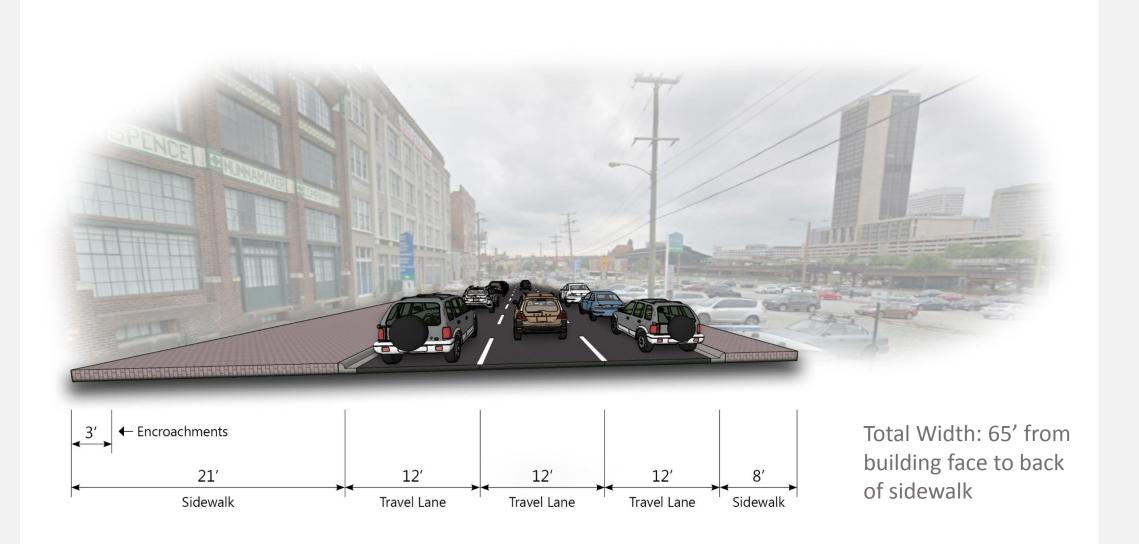


18th Street – One-Way Option

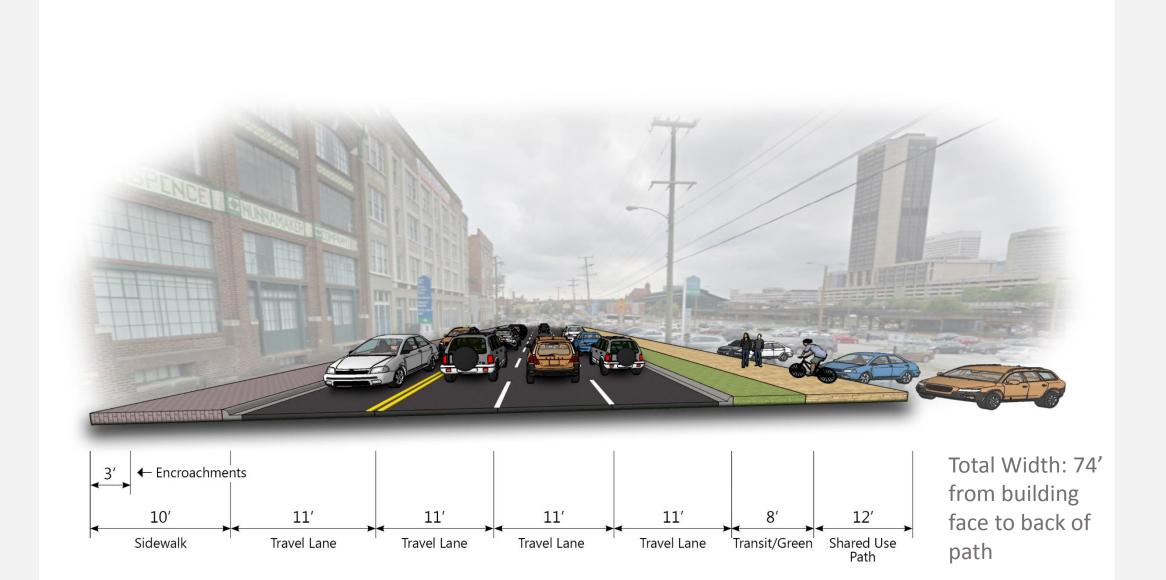




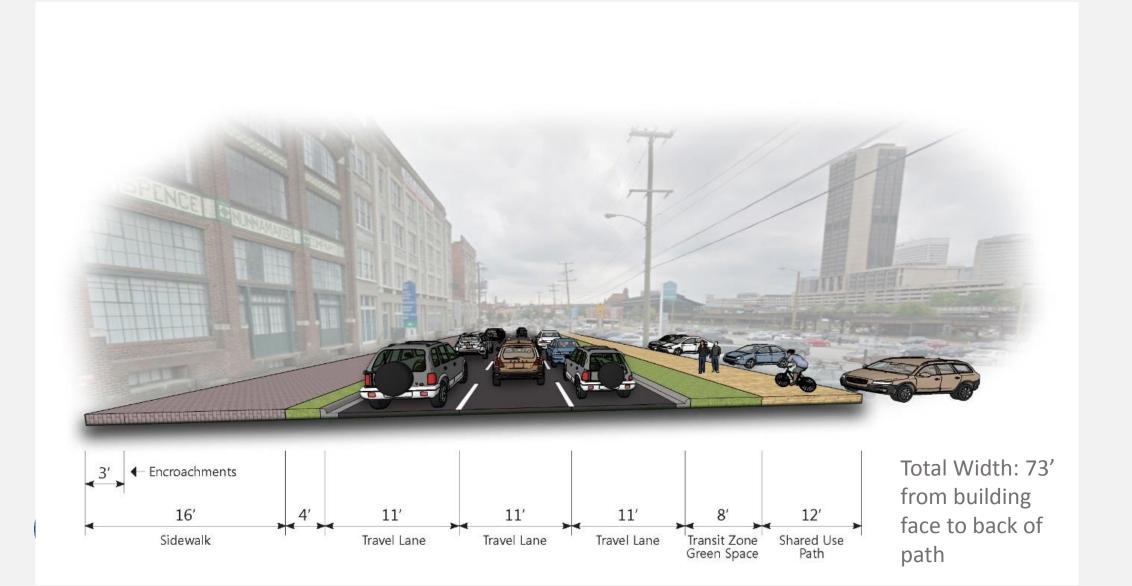
Oliver Hill Way - Existing



Oliver Hill Way — Two-Way Option



Oliver Hill Way – One-Way Option

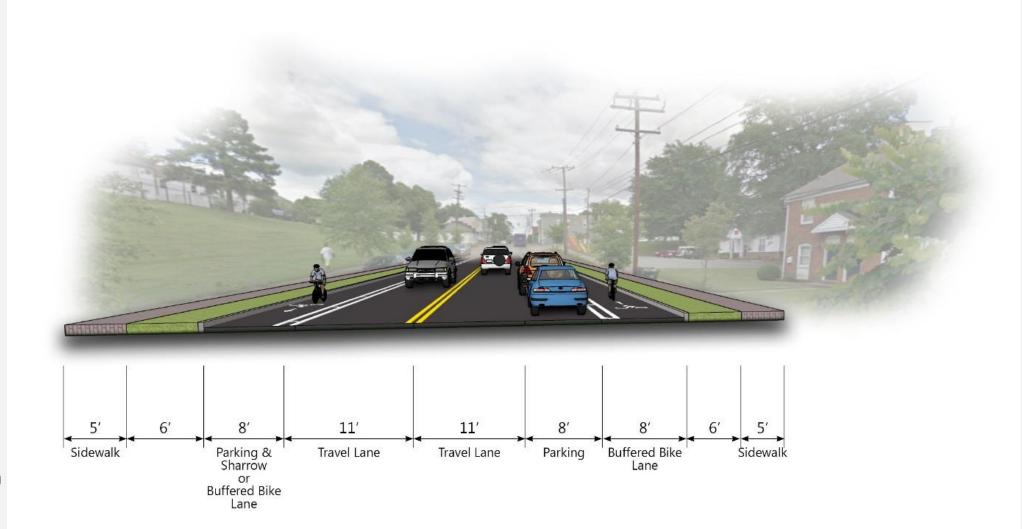


Venable Street - Existing



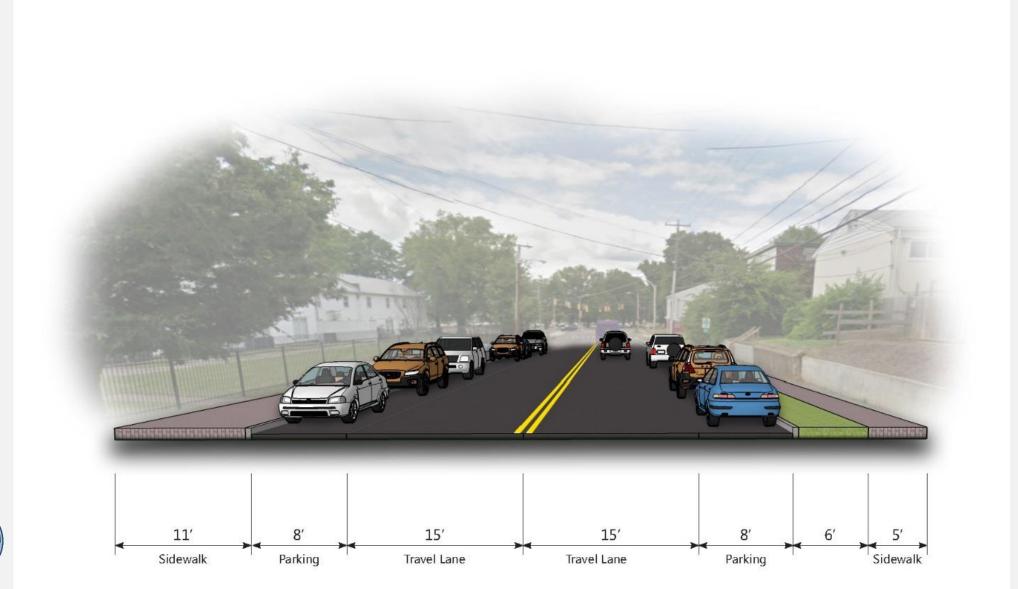


Venable Street – Two-Way Option



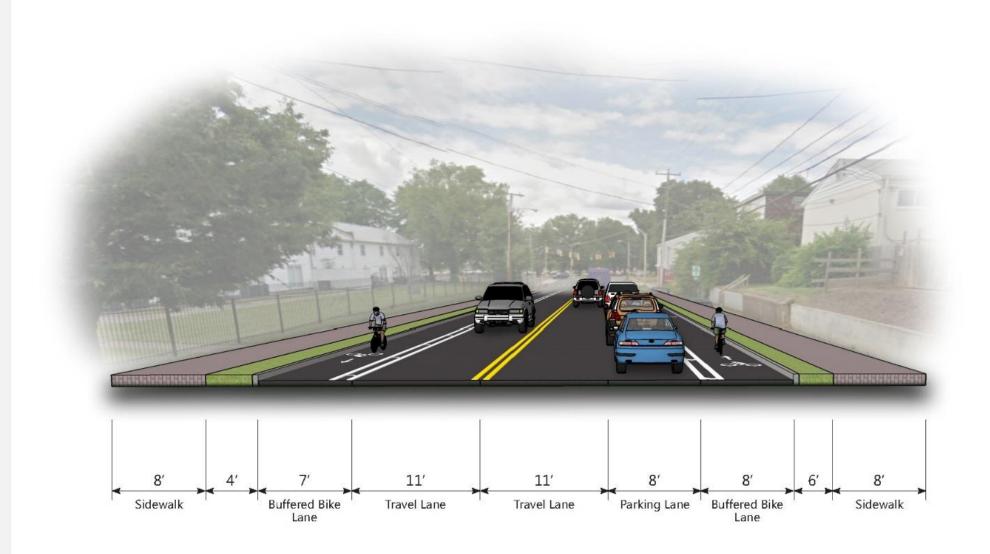


Mosby Street - Existing





Mosby Street – Two-Way Option





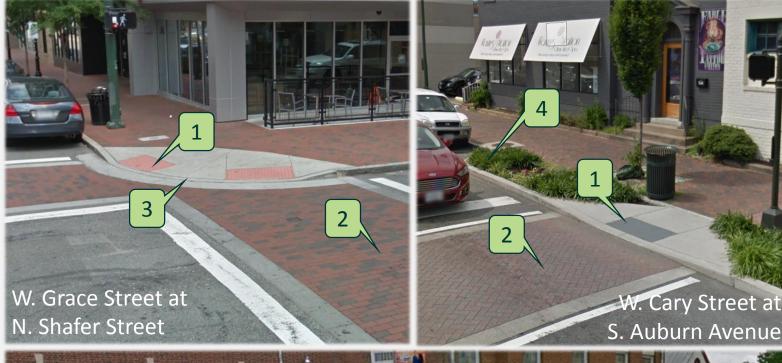
Concept Development - Intersections



Intersection Fundamentals

- Design intersections to reduce conflicts between modes and promote pedestrian and bicycle safety and comfort.
- Make intersections and crossings accessible by installing curb ramps and providing adequate time to cross.
- Keep pedestrian crossing distances as short as possible to reduce exposure and increase safety.
- Provide increased frequency of crossing opportunities.
- Reduce vehicle speeds and increase visibility at intersections to decrease the number and severity of crashes.







The Basics of Good Complete Street Intersection Design

- 1. ADA Curb Ramps
- 2. Marked Crosswalks
 - 3. Tight Curb Radii
 - 4. Curb Extension
- 5. Pedestrian Refuge Island





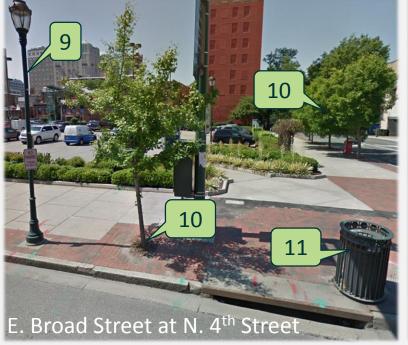




The Basics of Good Complete Street Intersection Design

- 6. Signal Timing and Operations
- 7. Bicycle Intersection
 Treatments
- 8. Accessible Transit stops









The Basics of Good Complete Street Intersection Design

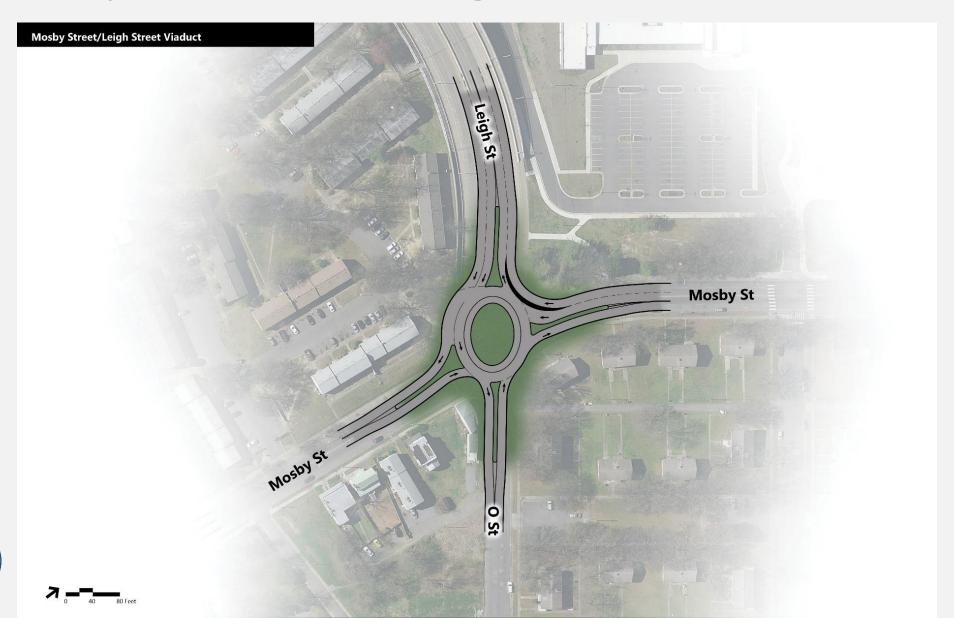
9. Street and Pedestrian Lighting

10. Street Trees, Planters, and Stormwater Planters

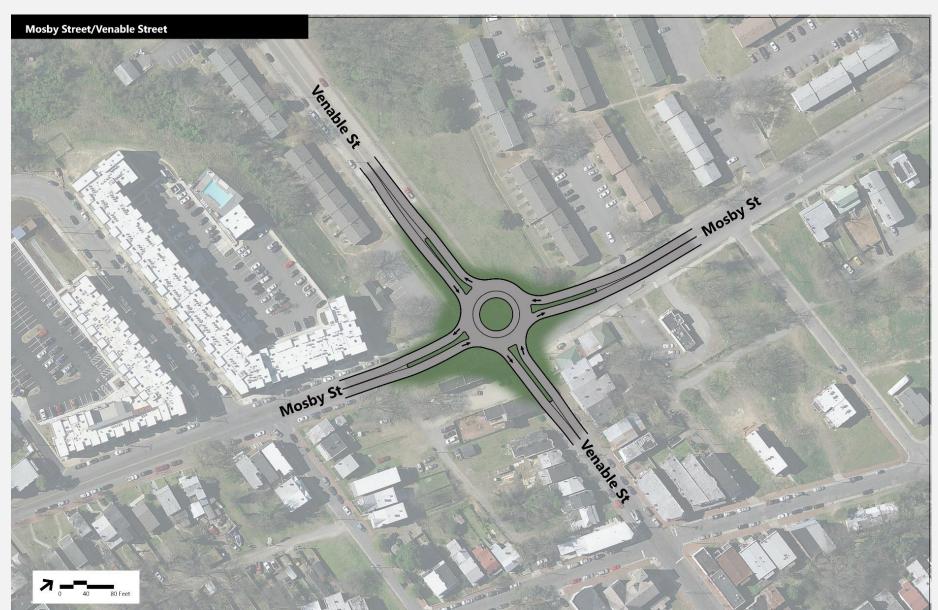
11. Street Furnishings



Mosby Street / Leigh Street Viaduct



Mosby and Venable Streets



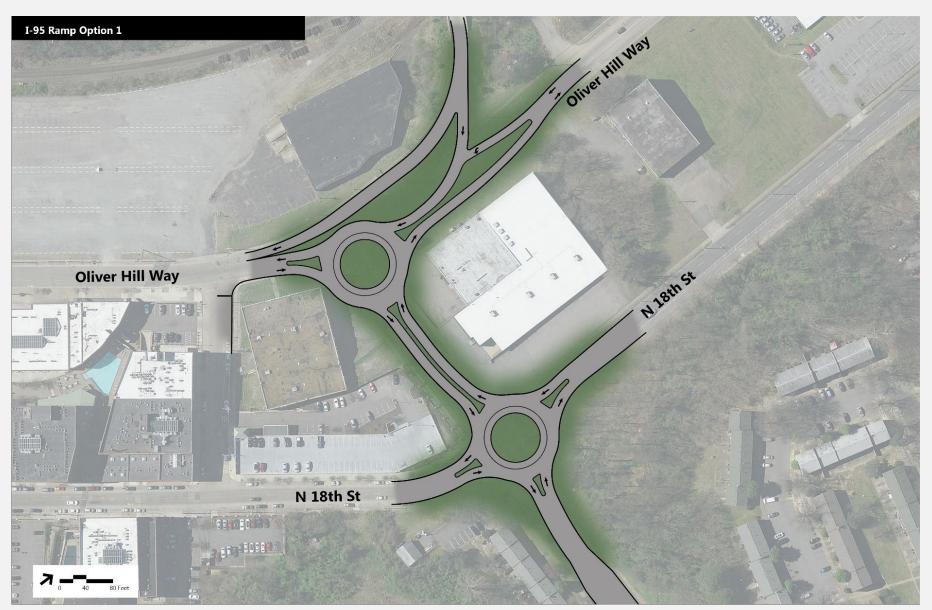


Oliver Hill Way / E. Broad Street



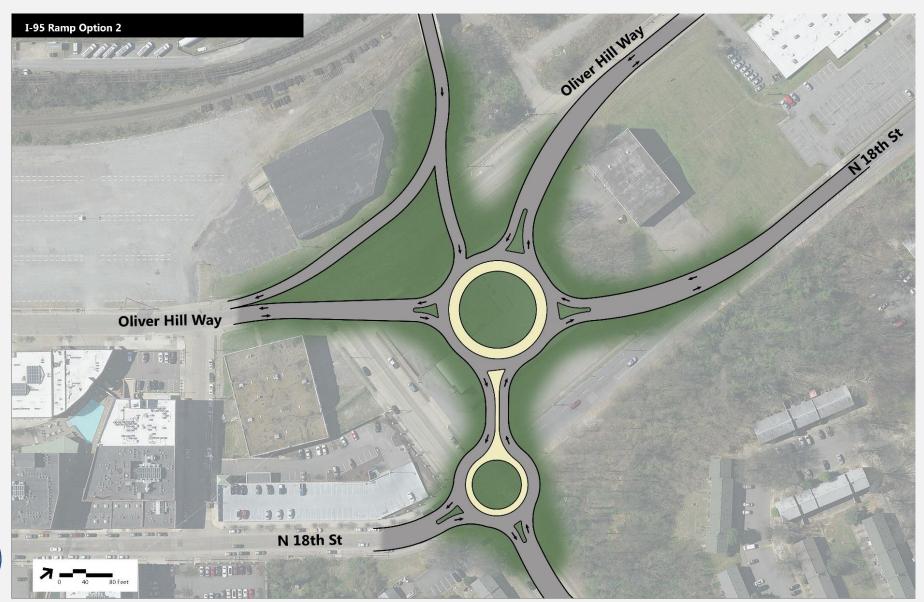


I-95 Ramp Terminus Option 1



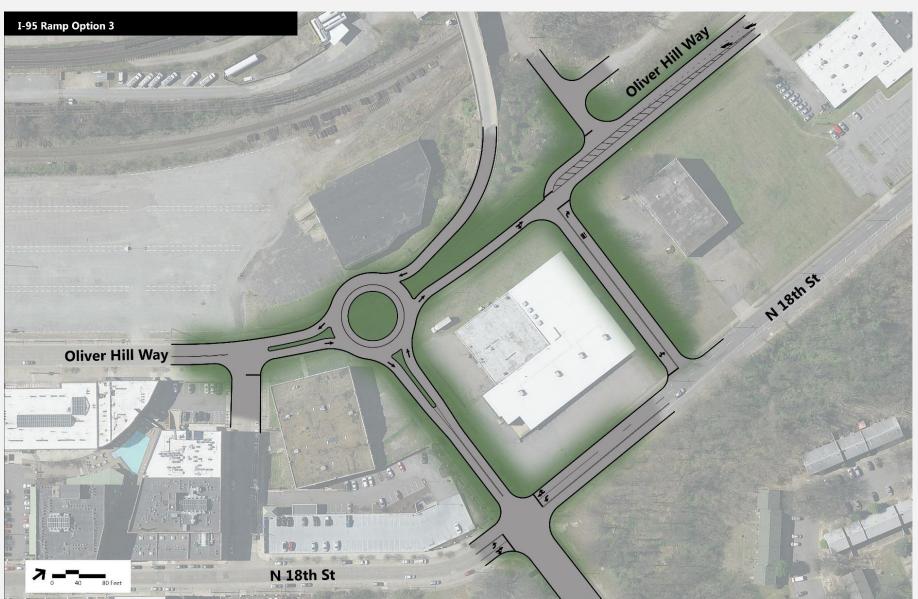


I-95 Ramp Terminus Option 2





I-95 Ramp Terminus Option 3





Next Steps

- Public Workshop: May 2018
 - Goals
 - Street Concepts
 - Intersection Concepts

Steering Committee #3: Summer 2018 (after Public Workshop)





