



LEE DISTRICT VIRTUAL TOWN HALL

WEDNESDAY, JULY 1, 2020

Dan Reinhard, PE, VDOT, Design Project Manager

 UPC 107187 Richmond Highway Corridor Improvements

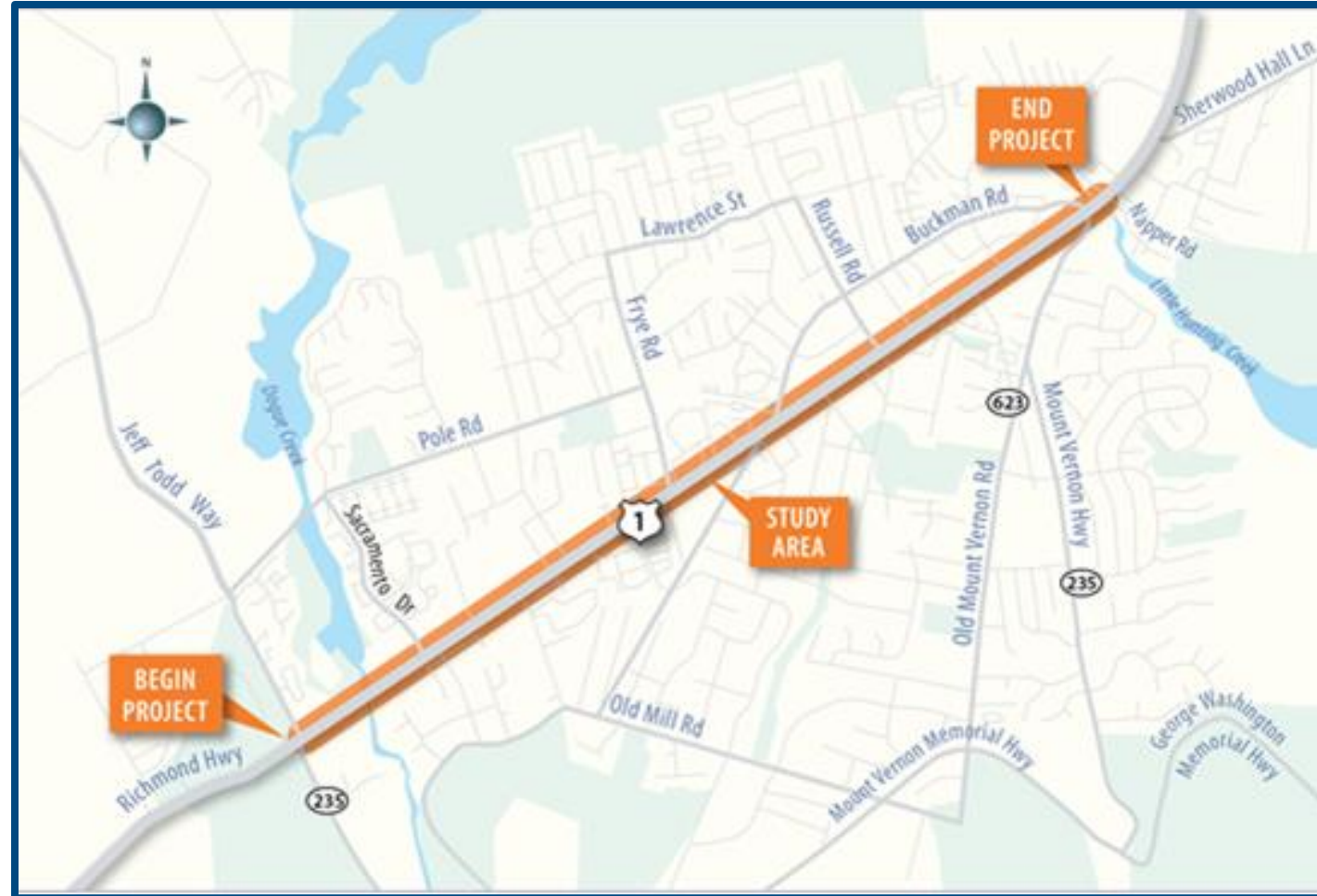


Today's Meeting

- **Project Overview**
- **Design Update**
- **Design Changes**
- **Schedule and Estimate**
- **Questions**

Project Overview

- **Widening of Richmond Highway (US Route 1) from four lanes to six lanes**
 - Jeff Todd Way to Sherwood Hall Lane
 - Approximately 3.1 miles
- **Safety improvements**
- **Congestion relief**
- **Intersection improvements**
- **Median reservation for future Fairfax County Bus Rapid Transit (BRT)**
- **Sidewalks and separate bicycle paths on both sides of road**
- **Three bridge replacements**
- **Potential noise walls**
- **Utility relocations**
- **Stormwater management**



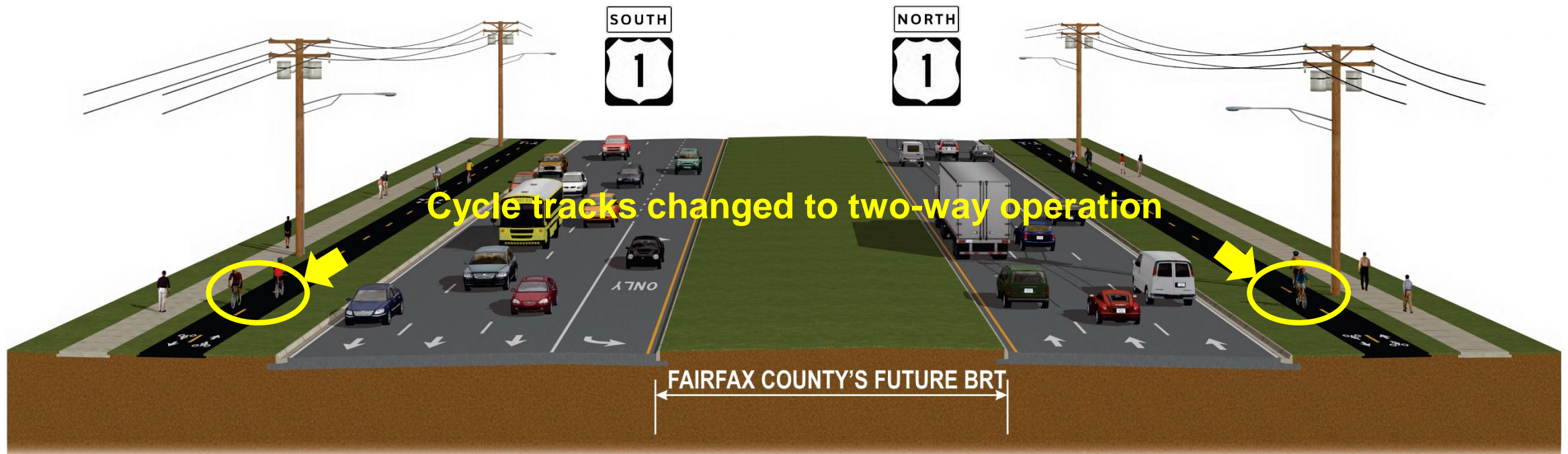
Design Update

- **Developed written response to public comments**
- **Incorporated minor design adjustments in response to internal/external comments**
- **Meetings with property owners**
- **Working on right of way plans for full acquisition properties**
- **Conducting Title research**
- **Developing Field Inspection-level (75%) plans**

Design Changes

➤ Adjustments to Typical Section

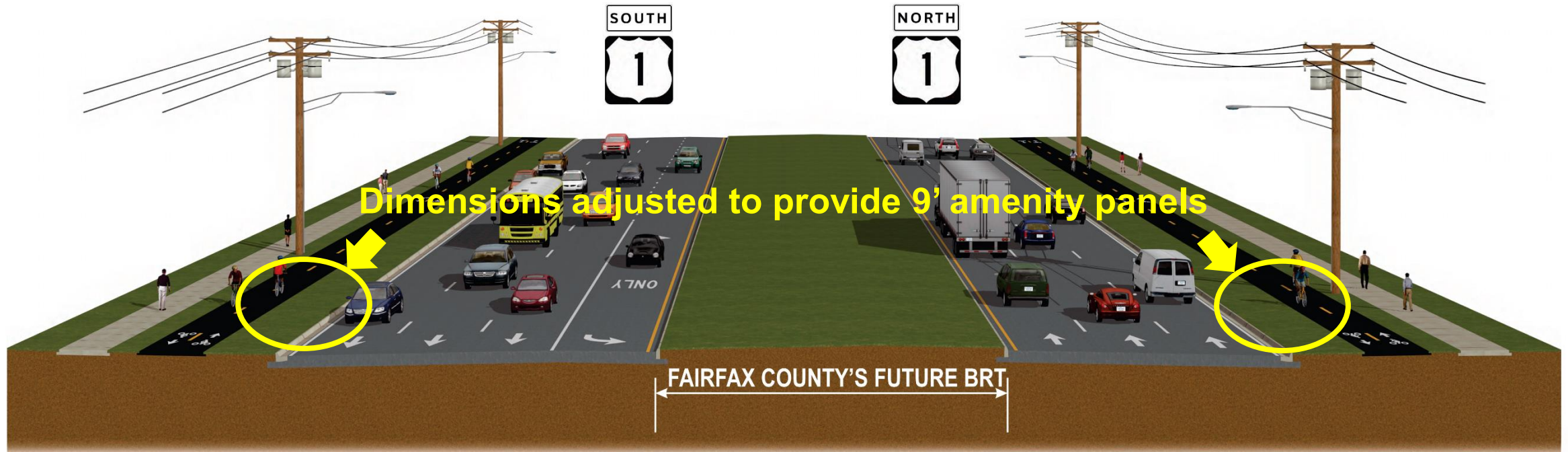
- More room behind the outside curbs
- Other dimensions adjusted to maintain 178' right-of-way



Design Changes

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Schedule Revisions

- **Project schedule has been delayed approximately 1 year**
 - **Finding of No Significant Impact (FONSI) and Design Approval delayed**
 - **FONSI and Design Approval impact start of Right-of-way process**
- **Right-of-way and utility relocation phase could need 6 years in lieu of 3 ½ years**
 - **Right-of-way and utility relocation schedules at Public Hearing based on judgment & high-level assessment of parcel impacts**
 - **Performed detailed assessment based on current project information and review of performance on completed projects**

Strategy to Recover Schedule

Public Hearing schedule was linear: Adjustments cause 39 months to be added to schedule

- Right-of-way acquisition must be complete/nearly complete before utility relocation can begin
- Utility relocation must be complete/nearly complete before construction can begin
- Construction begins in late 2026 and open to traffic in 2029

Schedule can be accelerated by performing work in phases

- 3.1 miles of road provides space for multiple operations
- Utilities can begin relocation before all 198 parcels are acquired
- Construction can begin before all utilities are relocated for all 3 miles

Schedule recovery possible with a 2 phase approach

- Construction 18 months sooner
- Open to traffic 12 months sooner



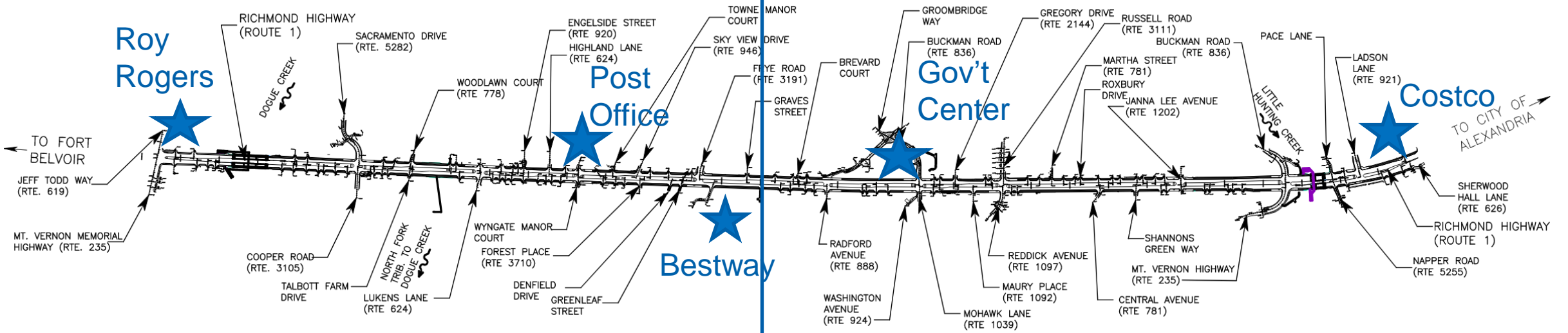
Project Phases

Phase 1

Jeff Todd Way to
0.13 mi. North of Frye Road
1.45 miles

Phase 2

0.13 mi. North of Frye Road
to Sherwood Hall
1.65 miles



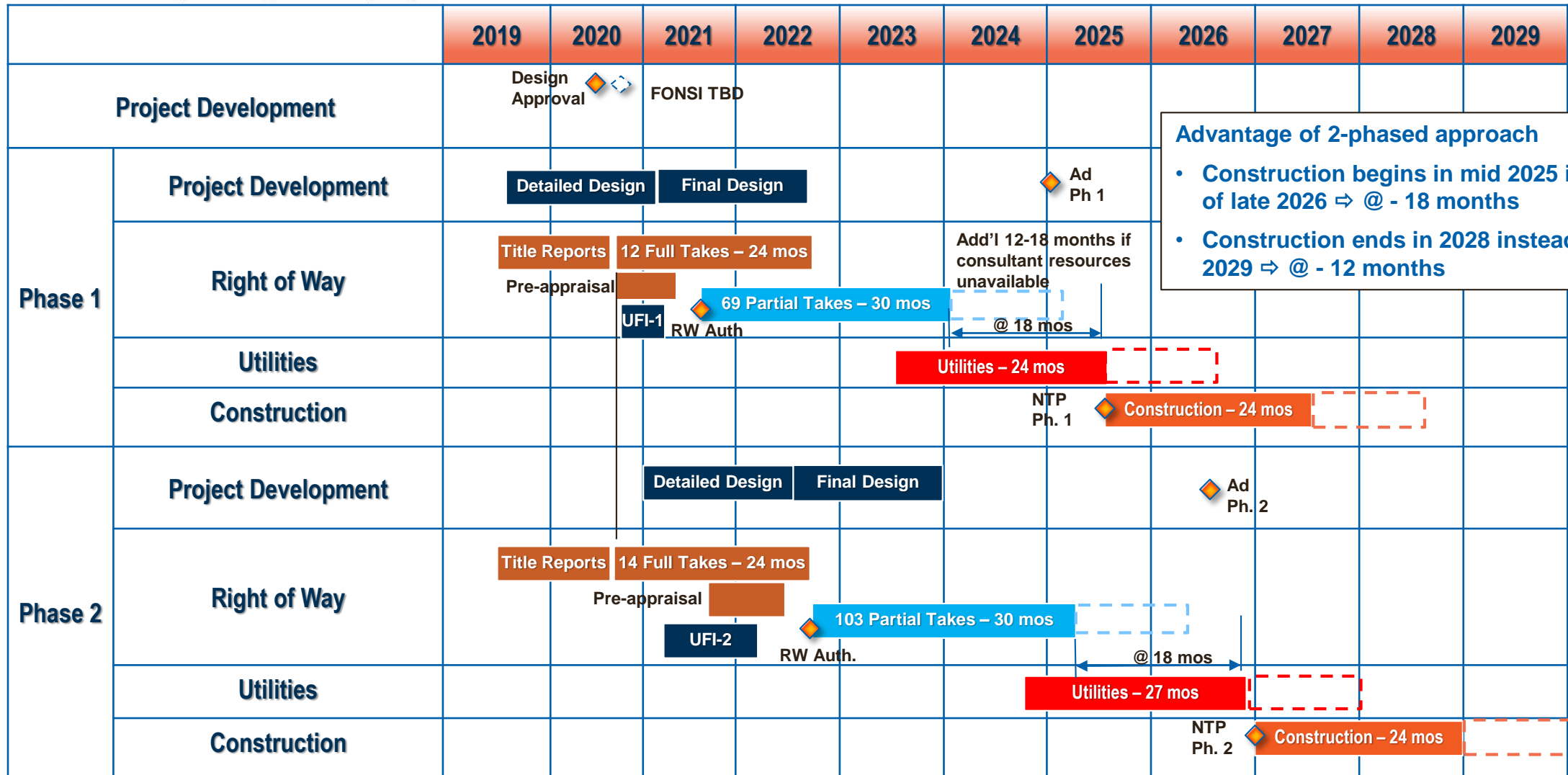
• Total Parcels Impacted: 81

• Total Parcels Impacted: 117





Richmond Highway - 2 Phase Schedule



Advantage of 2-phased approach

- Construction begins in mid 2025 instead of late 2026 ⇒ @ - 18 months
- Construction ends in 2028 instead of 2029 ⇒ @ - 12 months

Note: Schedule contingent on authorization to move forward to right of way acquisitions in Fall 2020



Project Estimate and Funding

- Working through estimate update now with latest design

Cost Estimate* (\$ in Millions)	Programmed Funding	Proposed Sources	Funding Sources**
PE \$ 16	\$ 1.0		NVTA 70% (FY15/16)
RW/UT \$ 163.5	\$ 79.1		RSTP (Federal)
	\$ 10.0		Revenue Sharing
CN \$ 192.5	\$ 3.7		Local Funds (C&I)
Total \$ 372	\$ 127.0		NVTA 70% (FY18/23)
		\$ 151.2	Potential Sources: SMART SCALE, NVTA 70% ***, BUILD ****, RSTP, Federal Grants, Developer Contrib., Local, and Other
	\$ 220.8	\$ 151.2	\$ 372

*Cost estimates subject to refinement as project develops.

**Project is jointly funded with \$128 million from the Northern Virginia Transportation Authority (NVTA).

*** NVTA application submitted for \$183 M. Decision expected July 2020

**** BUILD grant application for \$25M submitted to US DOT. Decision timeframe is unknown.

For more information visit:

<http://www.virginiadot.org/richmondhighway>

