



Shirley Gate Road Extended Corridor Planning Study

Supervisor Pat Herrity

September 6, 2016





Shirley Gate Road Extended Corridor Planning Study

Project Purpose and Need

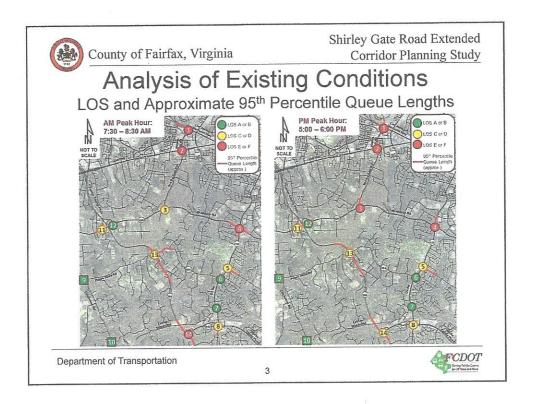


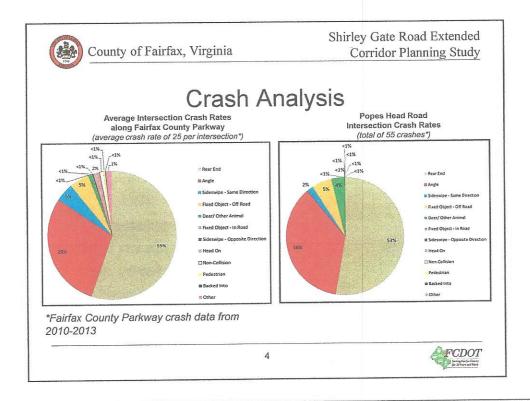
- The Shirley Gate Road Extension has been on County's Transportation Plan since 1991
- Grade-Separated
 Interchanges on Fairfax
 County Parkway needed
 to relieve congestion and improve safety.



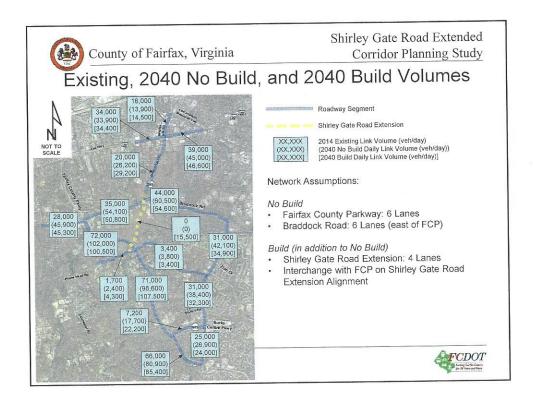


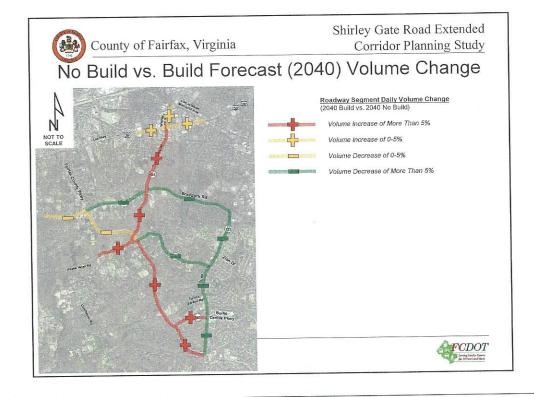


















County of Fairfax, Virginia

Comparable Road Traffic Volumes

- · Clifton Road (Rt. 29 to Braddock Rd) 16,000 vpd
- Clifton Road (Braddock Rd to Popes Head Rd) 8,900 vpd
- Old Colchester Rd. (Popes Head Rd. to Braddock Rd) 3,200 vpd
- · Compton Rd. (Union Mill Rd to Clifton Rd) 1,600 vpd
- Popes Head Road (Fairfax County Parkway to Route 123) 3,400 vpd

(Source: Shirley Gate Study and VDOT Count Data)



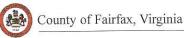
County of Fairfax, Virginia

2015 Study of Alignment Options for Shirley Gate Road Extended and Interchange Options









Shirley Gate Road Extended Corridor Planning Study

Stakeholder Screening of Alternatives

- · Five meetings held between May and September 2015
 - Guided the development of measures of effectiveness (MOEs)
 - Provided adjustments to weighting values
- Major categories of MOEs used for alignment selection:
 - Impacts to Adjacent Properties
 - Impacts on Transportation System
 - Cost





County of Fairfax, Virginia

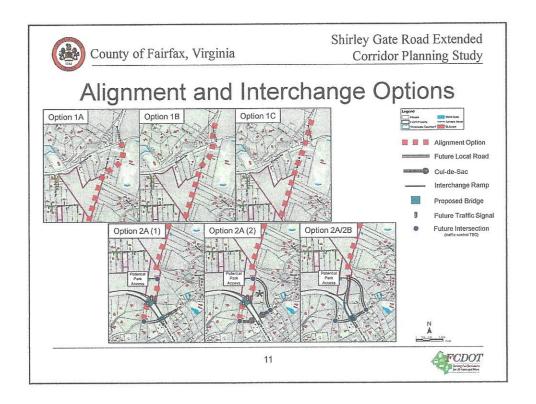
December 2015 Public Meeting

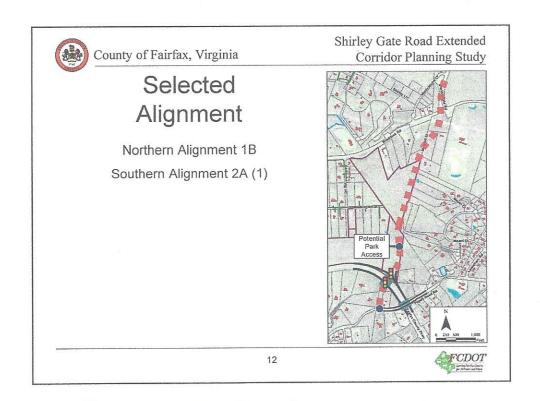
- 100+ Attendees
- Existing Traffic Issues
- · Future Traffic Network
- Prior input from Stakeholders on Measures of Effectiveness(MOEs), used in evaluation of future road alignments and interchange concepts
- Next Steps



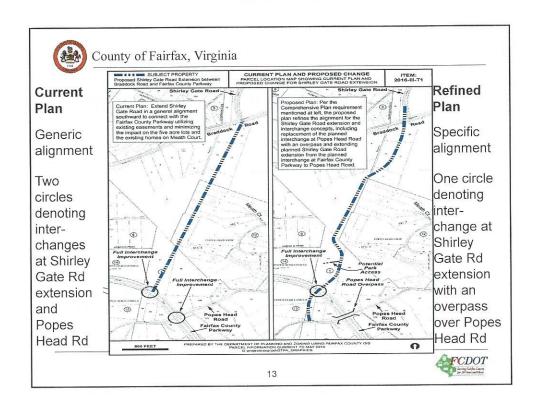


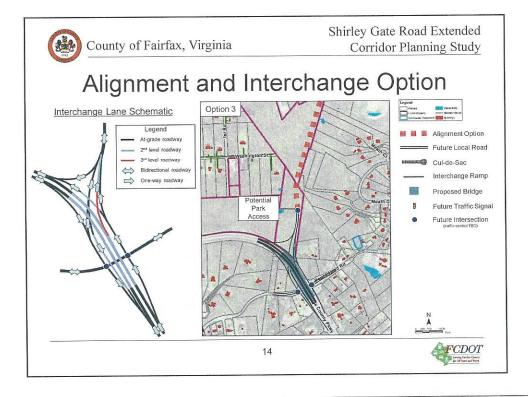


















County of Fairfax, Virginia

Objectives for Design of Interchanges

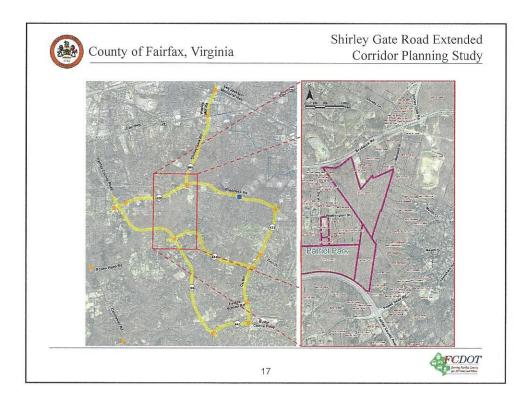
- Allows Free Flow on Fairfax County Parkway
- Accommodates Shirley Gate Extension and accommodates all movements
- Provides Access to Patriot Park
- Minimizes Impact to Adjacent Properties













Shirley Gate Road Extended Corridor Planning Study

Benefits of Shirley Gate Road Extension and Interchange Improvements

- · Reduced traffic volumes along area roadways/intersections
 - Braddock Road
 - Route 123
 - Intersection of Route 123 and Braddock Road
 - Popes Head Road (north of FCP)
- · Improved safety at FCP/Popes Head Road
- Reduced travel times along Fairfax County Parkway (FCP) and Popes Head Road
- · Improved accessibility to FCP for Popes Head Road residents
- Improved access to the west end of the City of Fairfax/Fair Oaks









County of Fairfax, Virginia

Shirley Gate Road Extended Corridor Planning Study

Mitigation Considerations

- Follow-up Analysis/Coordination regarding Shirley Gate Road Access (Route 29 to Braddock Road)
- · Continuing efforts to improve intersection operations
 - Shirley Gate Road/Route 29 (Lee Highway)
 - Waples Mill Road/Route 50 (possibly through Transform66 implementation)
- Coordination with City of Fairfax
 - Extending Government Center Parkway to Jermantown Road
 - Widening of Jermantown Road north of Route 50 to four lanes
- Identification of improvements during imminent Fairfax County Parkway Long Term Study
- · Address access for residential streets that only access the Parkway
- Address geometric issues (vertical & horizontal) on Popes Head Rd. west of Fairfax County Parkway

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County of Fairfax, Virginia

Next Steps

- Design Fairfax County Parkway Widening (Route 29 to Route 123 (VDOT to advertise design contract summer 2016)
- Extensive Public Involvement throughout design and construction
- Funding
 - \$20 million approved to date for Design and Right-of-Way
 (\$10 million approved by NVTA on July 14, 2016)
- Comprehensive Plan Amendment Defer pending design completion









County of Fairfax, Virginia

Questions?

Alan Kessler
Leonard Wolfenstein
Fairfax County Department of Transportation
Alan.Kessler@FairfaxCounty.gov
(703) 877-5600



