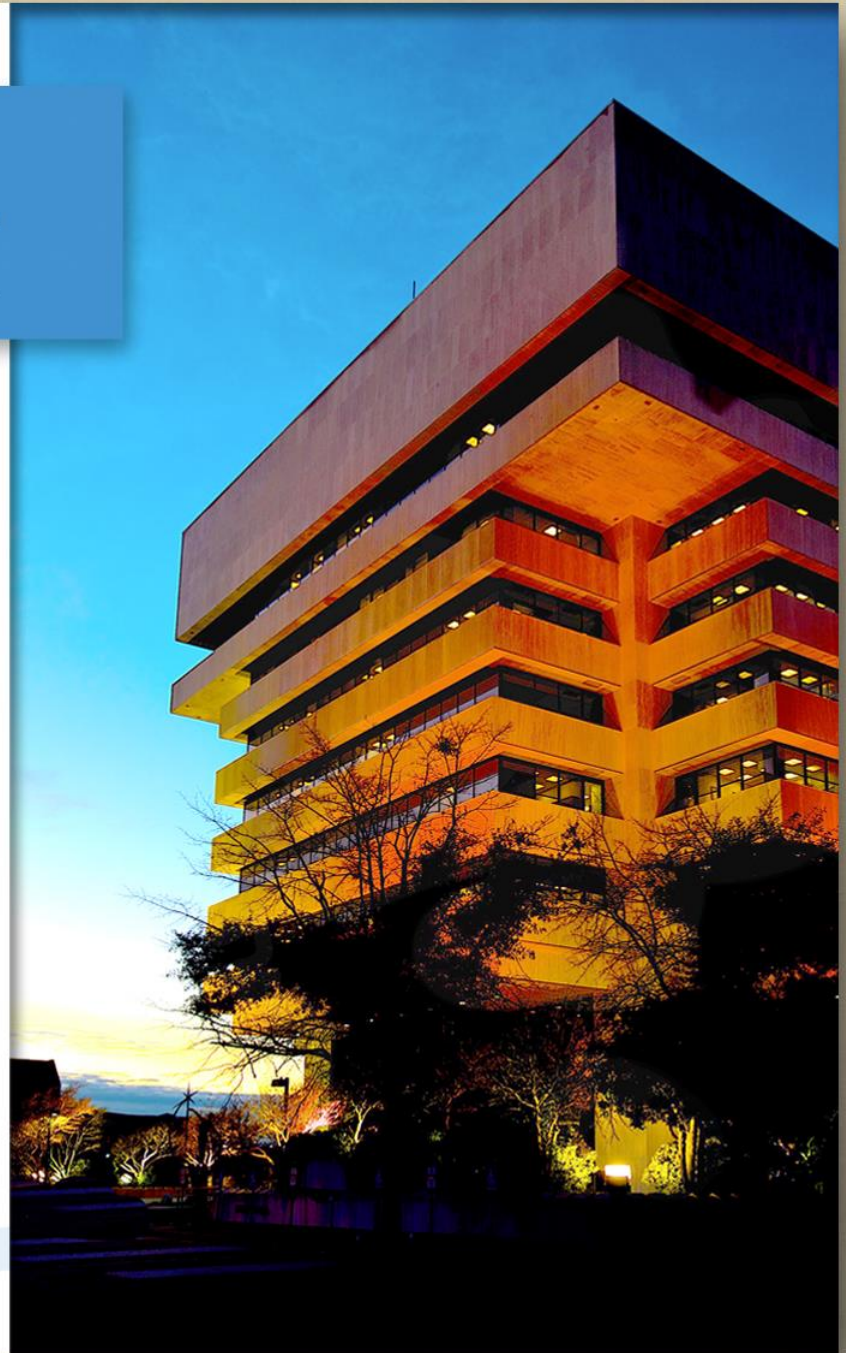


HAMPTON VA

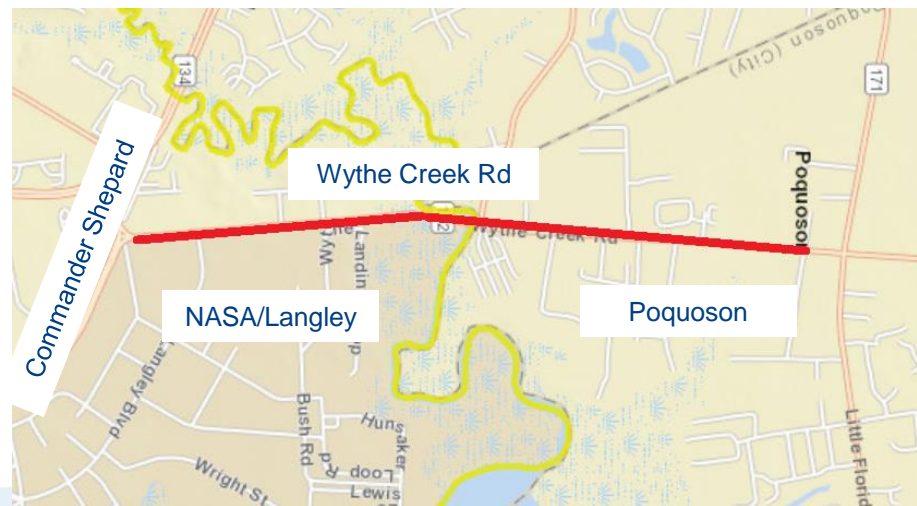
**Resolution in Support of the
Virginia Department of
Transportation (VDOT)
Preferred Design Alternative 2
(Bridge West with the
Causeway Remaining) for the
Route 172 Wythe Creek Road
Widening Project**

October 11, 2017



Wythe Creek Road Widening

- Project is administered by VDOT
- Geographically located in the cities of Hampton and Poquoson
- Improves congestion around NASA/Langley



Project History

- City Council requested VDOT to add the project to the Six-Year Improvement Plan on July 15, 2010
- Staff endorsed the design by letter on March 3, 2015
- City Council endorsed the present design on December 14, 2016

Wythe Creek Road Widening

Current Project Status

- Project Under ROW Acquisition
- Anticipated Completion:
 - Hampton - June 2018
 - Poquoson - December 2019

Remaining Project Schedule

Utility Relocations

Hampton - July 2018 to October 2019

Poquoson – January 2020 to January 2021

Construction

Advertise Project September 2019



Wythe Creek Road Widening

Remaining Key Design Steps

- Environmental Permitting
- Final Design of New Bridge Structure
- Final Design of Public Utility Relocations

Environmental Permitting

Individual Permit Required (DEQ); as well as Permit from USACE and VMRC

Anticipate Initial Permit Submission to Agencies Q4 2017 w/Permitting Completion in Q4 2018/Q1 2019

Primary Environmental Impacts Associated with New Bridge Crossing
Compensatory Mitigation Required

Anticipated Agency Focus on Future of Existing Causeway



Wythe Creek Road Widening

Wetland/Waters Impacts

Permanent Tidal Wetland Impacts

Fill (Bridge Piers/Road Widening Cary's Chapel): 0.17 ac.

Shading Impacts (DEQ): 1.12 ac.

Permanent Forested Wetland Impacts: 0.02 ac.

Permanent Emergent Wetland Impacts (non-roadside ditch): 0.01 ac.

Tidal Waters Impacts: 0.01 ac.

Minor Temporary Impacts: 0.14-ac

Environmental Permitting

Individual Permit from DEQ; NWP from USACE; VGP from VMRC

Compensatory Mitigation: Payment to VA Aquatic Resources Trust Fund

Alternative Alignments (east/west) Have Same Degree of Impacts

No Threatened/Endangered Species Impacts



Wythe Creek Road Widening

Causeway Crossing Alternatives Studied:

Alternative 1 - Bridge West/Causeway Removal

Alternative 2 - Bridge West/Causeway Remains

Alternative 3 - Bridge East/Causeway Removal

Alternative 4 - Bridge East/Causeway Remains

Alternative 5 - Earthen Causeway

Alternative 6 - No-Build

Alternative 7 - Temp. Traffic Bridge/New Bridge over Existing Causeway

Alternative 2 is Preferred Alternative as it is:

- a) Least costly option
- b) Shortest construction duration
- c) Does not require relocation of businesses in Poquoson/Additional impacts to NASA property



Wythe Creek Road Widening

Impacts Related to Alternatives that Include Removal of Causeway:

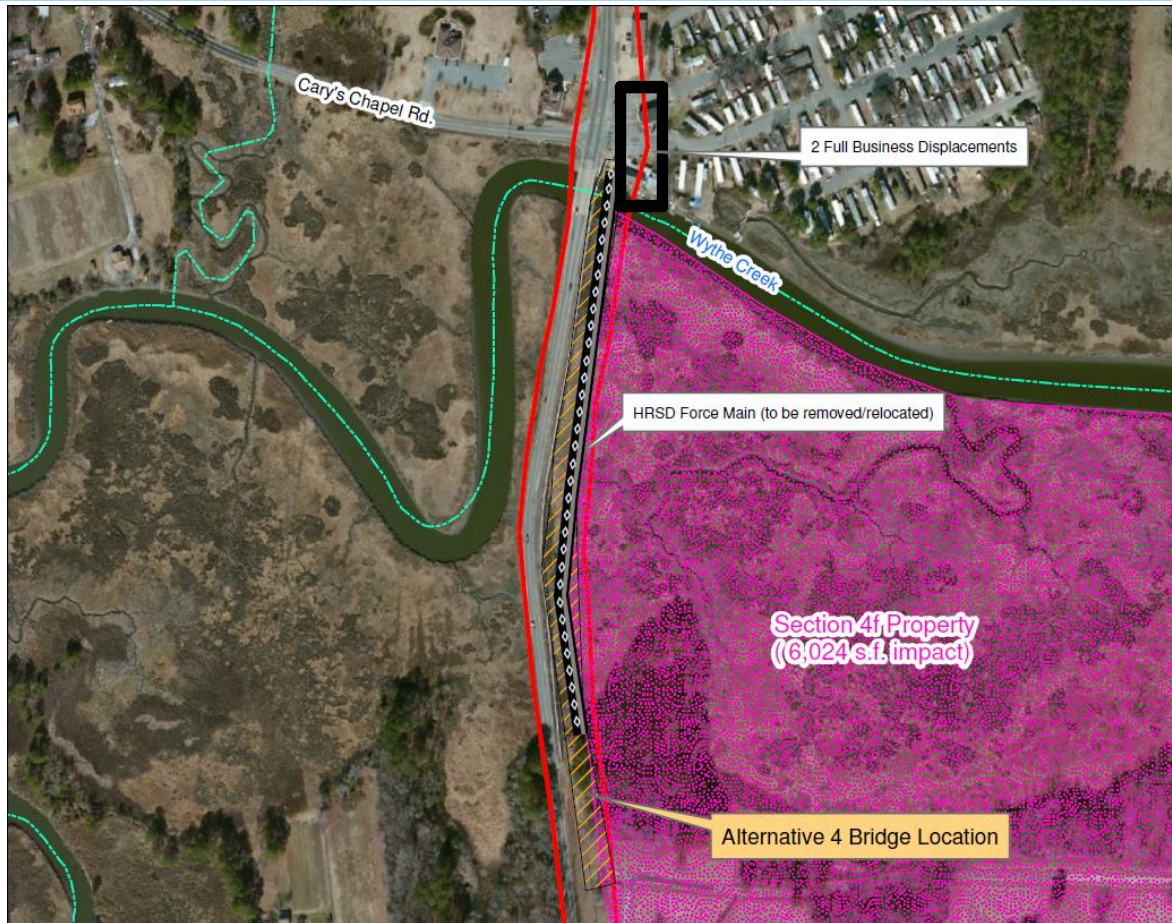
- Cost Impact: \$12 million cost increase
- Pedestrians and bicyclists would be located on the bridge, next to traffic (no separation)
- Utilities Currently Located in/along Causeway Require Relocation – HRSD Force Main, Verizon Duct Bank, Gas Main
- Wider Bridge Required
- Loss of community amenity
- Redesign

Impacts Related to Alternatives that Bridge to East:

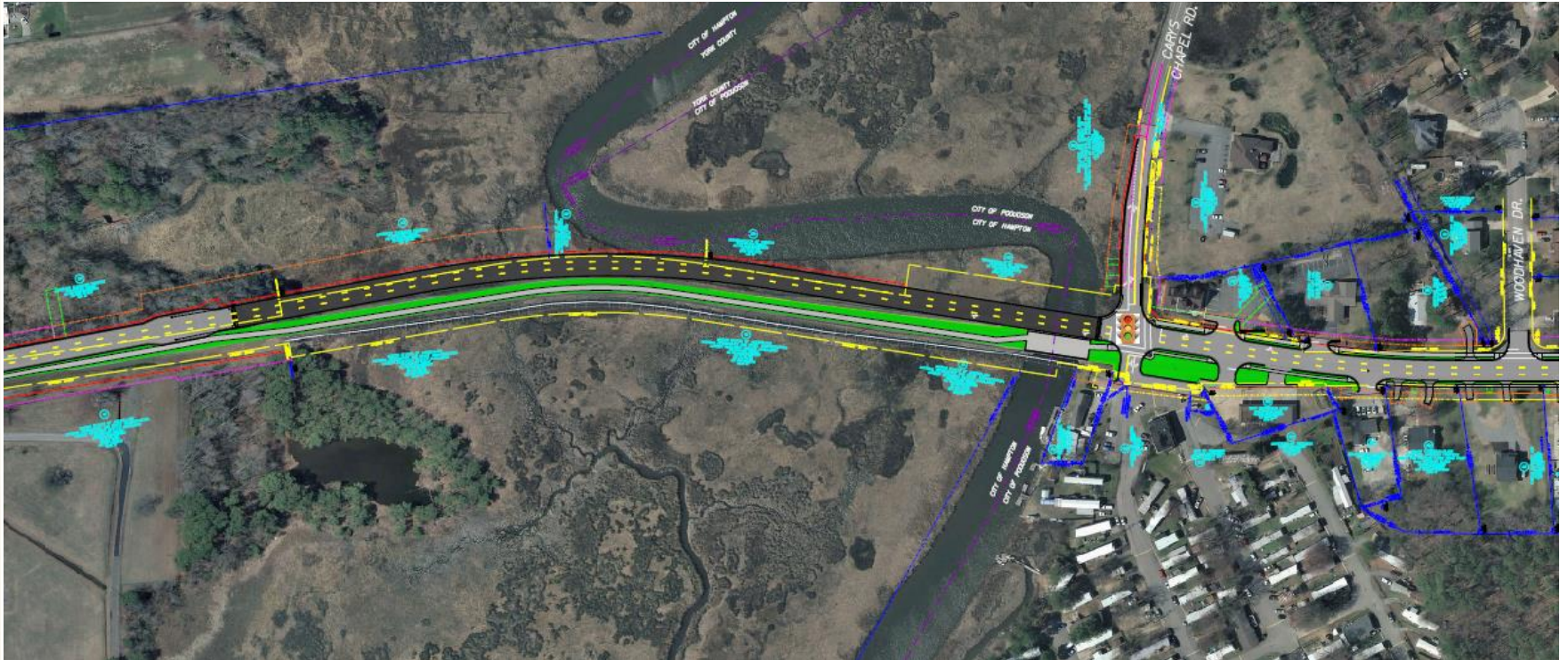
- Business Displacements in Poquoson
- Additional Property Impacts to NASA
- Additional Project Cost



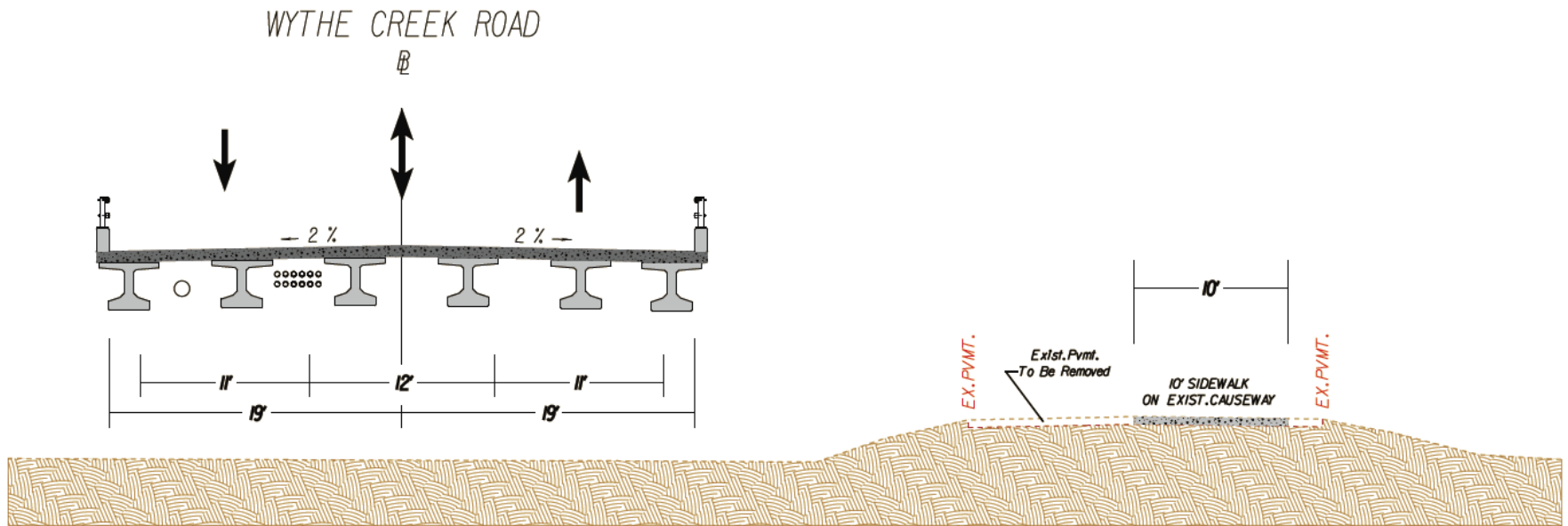
Eastern Alignment Alternatives Require Displacements in Poquoson



Alternative 2 Layout



Alternative 2 Section View



Current Project Estimate & Funding

VDOT SYIP (FY 18-23)

Hampton (UPC 97715)

| | Estimate | Funding |
|------------------------------|----------|---------|
| Preliminary Engineering (PE) | \$3.1m | \$3.1m |
| Right-of-Way (RW) | \$3.9m | \$3.9m |
| Construction (CN) | \$22.7m | \$22.7m |
| Total | \$29.8m | \$29.8m |

Poquoson (UPC 13427)

| | <u>Estimate</u> | <u>Funding</u> |
|------------------------------|-----------------|----------------|
| Preliminary Engineering (PE) | \$1.9m | \$1.9m |
| Right-of-Way (RW) | \$5.4m | \$5.4m |
| Construction (CN) | \$12.5m | \$12.5m |
| Total | \$19.8m | \$19.8m |



In Conclusion

We request that City Council approve the resolution of support for the current project design / Preferred Alternative 2 (Bridge West with the Causeway Remaining).

Questions?

