



Three Chopt Road Improvements

Citizen Information Meeting

November 19, 2015

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Tonight's Schedule

7:00 – 7:15	Gathering and Sign-in
7:15 – 7:45	Presentation by Rob Tieman, P.E.
7:45 – 8:15	Q&A: Steve Yob, PE – Moderator
8:15 –	Staff available to address individual questions

Resources to Assist You

Henrico County Staff

- Department of Public Works
- Real Property Department
- Department of Public Utilities
- Planning Department

Design Consultant Staff

- AECOM Design Engineers



Purpose of This Meeting

Present project information to the adjacent property owners and interested stakeholders about the Three Chopt Road Improvement Project and provide a forum for public participation



Purpose of This Project

- Improve roadway capacity and safety by providing a consistent roadway cross section of 4 lanes with curb and gutter, raised grass median and sidewalk on both sides of the road.
- Improve traffic distribution and safety through the corridor.
- Provide Traffic Signal modifications to the intersections at Cox Road and Gaskins Road to increase traffic flow efficiency.
- Provide enclosed storm drainage and improve three major culvert crossings.

Project History

- Three Chopt Road is listed as a Major Collector on the current 2026 Major Thoroughfare Plan
- In January 2005 the Board of Supervisors (BOS) approved the contract for the design of the roadway improvements
- In June 2008 the BOS approved an amendment to extend the western boundary of the project
- In February 2013 the BOS approved an amendment to comply with new federal regulations



Question...Why does it take so long?

Answer...Federal funds...very long process

General Project Information



- Project length: 2.2 miles
- Boundaries: Barrington Hills Drive to Winespring Road
- Posted at 45mph
- Fully developed corridor with only minor additional development potential along Three Chopt Road
- Presently an undivided 2 lane road with some areas of widening
- Proposed 4 lanes on the existing alignment with raised grass median, curb and gutter and enclosed drainage
- Sidewalks to be provided on both sides

Traffic Projections



- Cox Road to Gaskins Road: 2013 / 18,070 vpd
- Design Year: 2038 / 20,470 vpd
- Cox Road to Barrington Hills: 2013 / 9,256 vpd
- Design Year: 2038 / 10,485 vpd
- 0.5% Growth Rate
- 3.0% Trucks

Environmental Summary

Project meets all applicable Federal and State environmental requirements

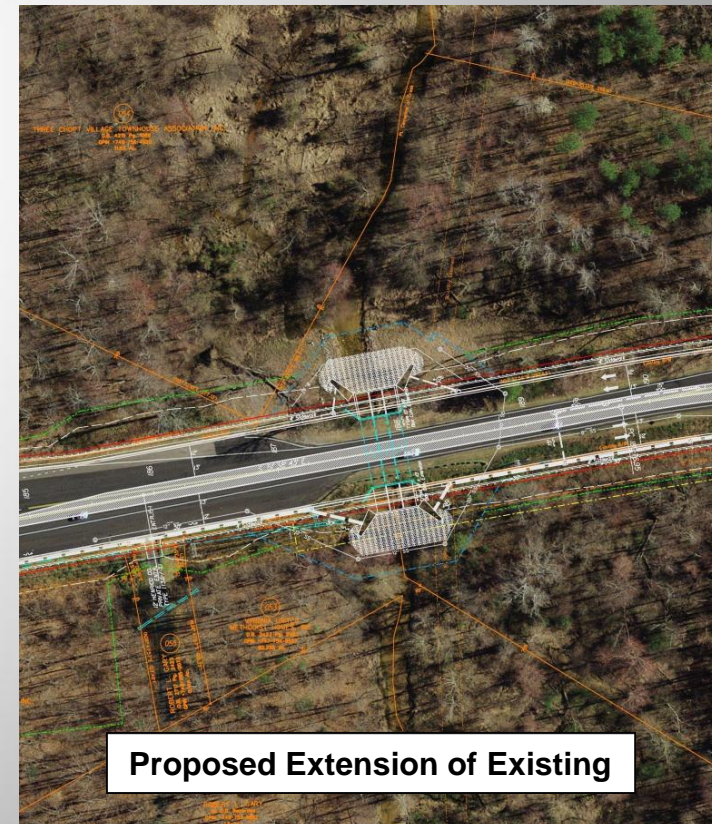
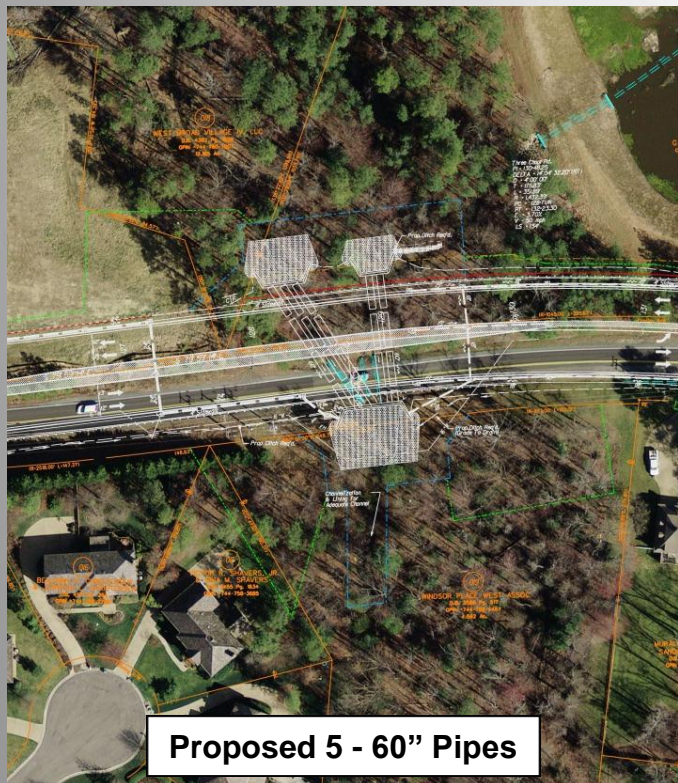
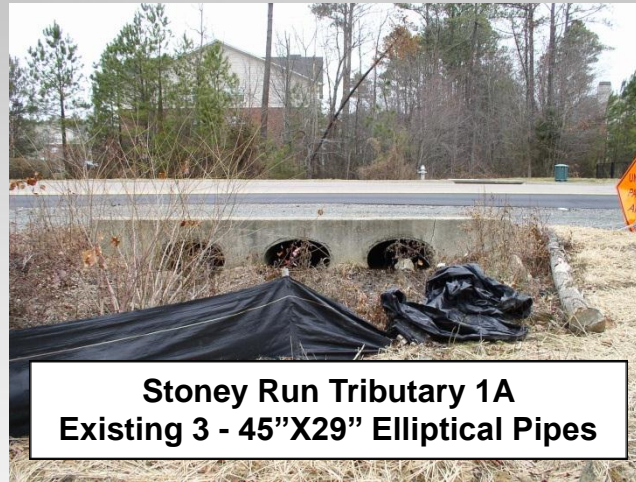
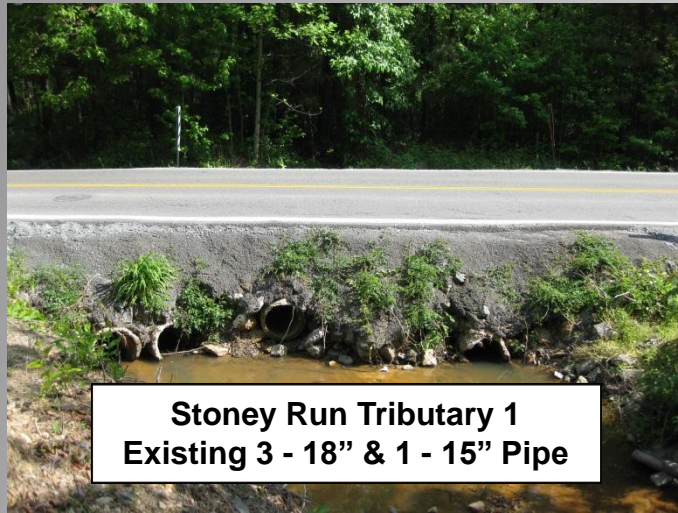


- Categorical Exclusion Environmental Document
- No impact to archeological and architectural resources
- No Adverse Impact to Federal or State threatened or endangered species
- Stormwater water quality removal requirement met by nutrient offsets
- Wetland & Stream mitigation requirements met by credit purchase

Noise Study for Noise Walls

- Comprehensive noise study complies with all federal requirements
- Study identified eight (8) potential noise walls that are considered “reasonable” and “feasible” under the new regulations
- County has collected citizen votes from “sensitive receptors” for seven (7) of the eight wall locations (still collecting votes for the eighth wall)
- To date, 100% of collected votes have been “no” to noise walls
- Design year 2038 increase in noise from traffic will be less than 2 db (less than 3 db is imperceptible)

Stream Crossings



Stream Crossings (cont.)



Floodplain Crossings:

- FEMA
- County

Design Criteria

- No net increase in the 100-year floodplain (upstream or downstream)
- No road overtopping by 100-year floodwater

Landscaping

- Landscaping plan is not part of this roadway construction project due to federal funding
- At completion of roadway project, County will initiate County funded landscaping plan
- County anticipates forming a Landscaping stakeholder committee to solicit community input

Anticipated Schedule

- 80% Plan CIM: November 19, 2015
- Public Hearing: Spring 2016
- ROW Acquisition: Begin Spring 2016
- Utility Relocations: Begin Summer 2017
- Advertise for Construction: Summer 2018
- Project Completion: 2020

Acquisition Process Overview

- Right-of-Way negotiation and acquisition by Henrico County Real Property
- Acquisition process will follow Virginia State Uniform Relocation and Right of Way Acquisition Code
- There are 71 affected parcels (ROW will be required from 47 parcels)
- Appraisals
- Contact with individual property owners
- Negotiation
- Agreement of terms
- Closing

Anticipated Acquisition Timeline

- Notice to Proceed following Board of Supervisors Meeting in Spring 2016
- Appraisal Process, Spring 2016- November 2016
- Negotiations, September 2016 – September 2017



Project Financial Summary

Funding is 100% Reimbursable
(80% Federal funds and 20% State funds)

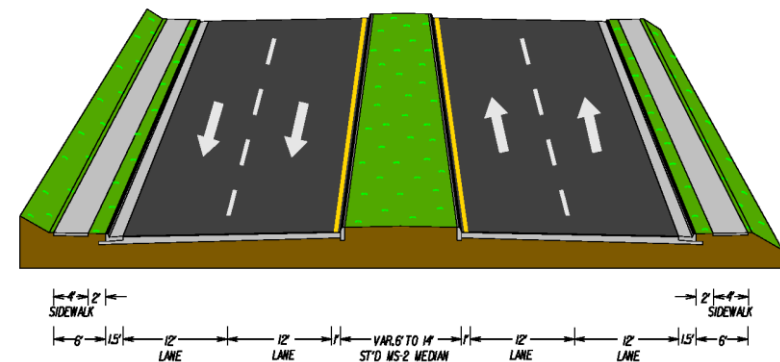
Design	\$2.6 million
Right-of-Way	\$2.7 million
Utility Relocations	\$1.3 million
<u>Construction</u>	<u>\$9.7 million</u>
Anticipated Total Project Cost	\$16.3 million

Project Corridor Walk-Through

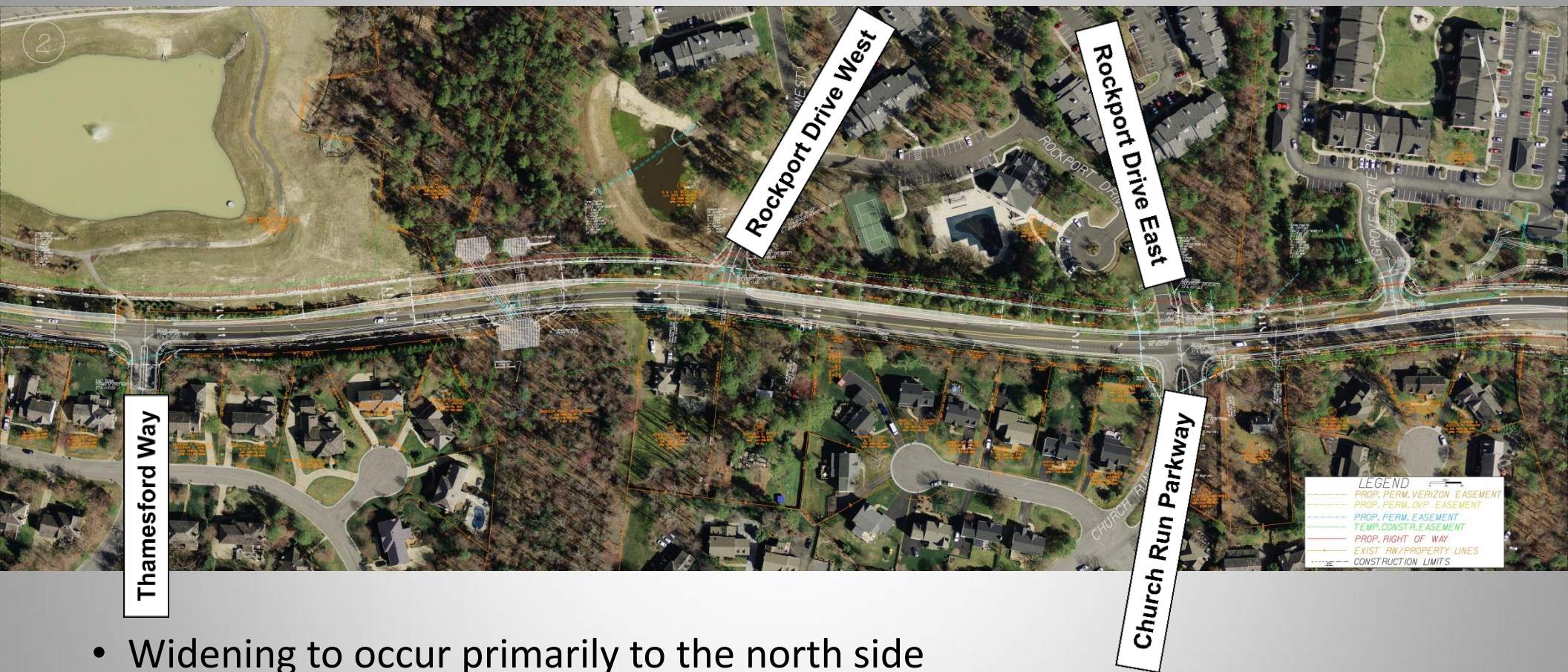


- Project begins near Pocahontas Middle School
- Provides four lanes with additional turn lanes
- Provides sidewalk on both sides of Three Chopt Road
- Left turn lane provided at Barrington Hill Drive

Three Chopt Road

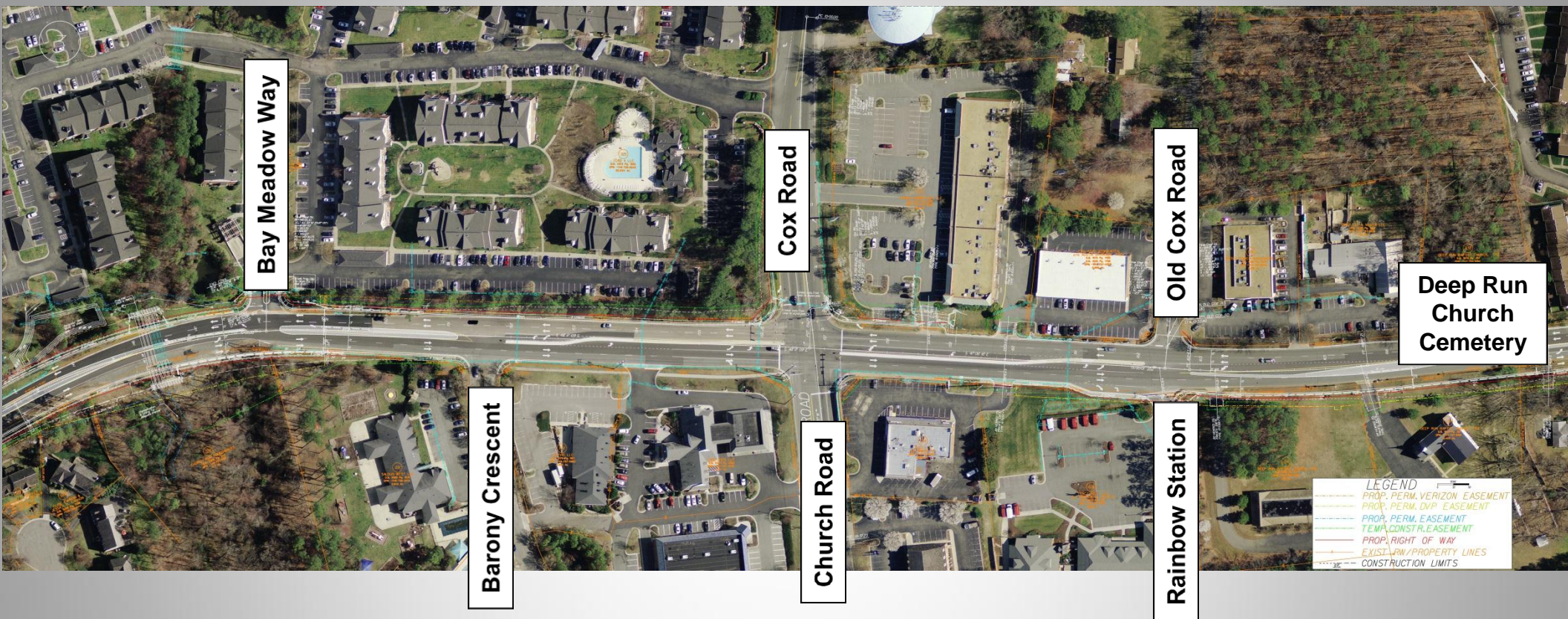


Project Corridor Walk-Through (cont.)



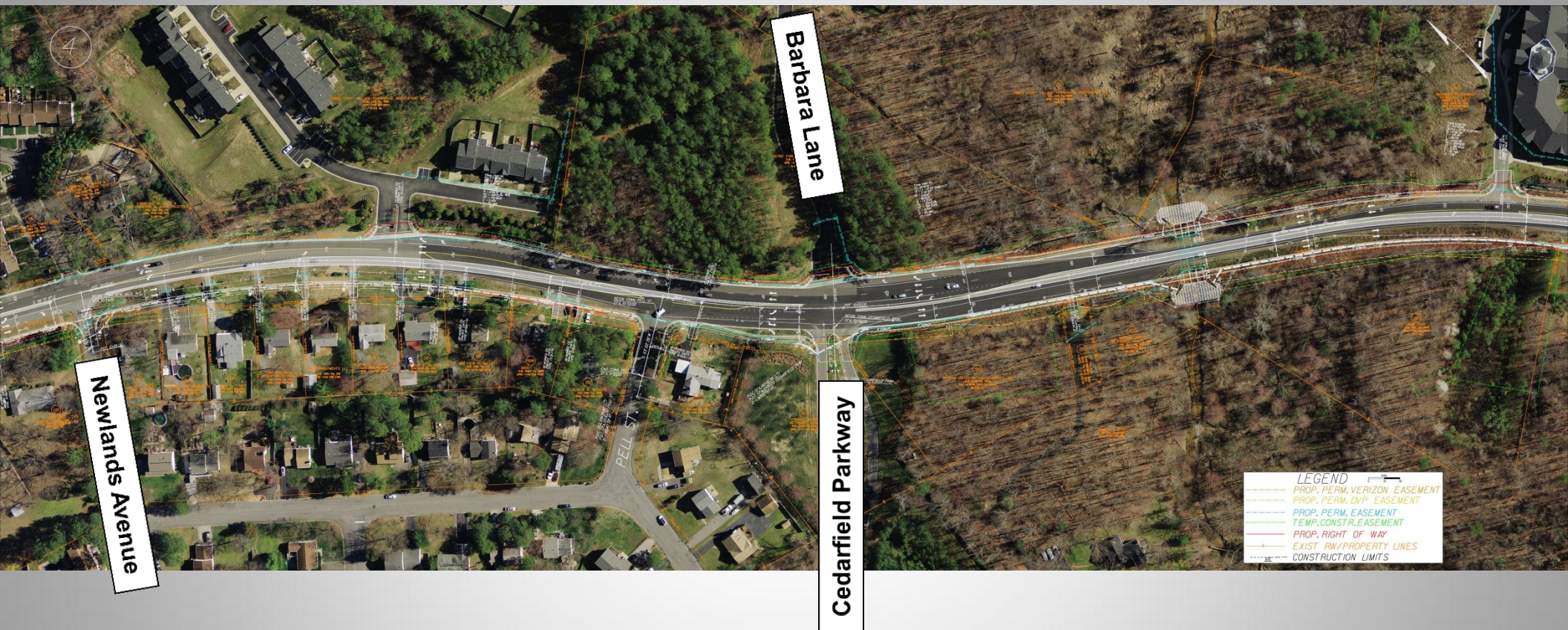
- Widening to occur primarily to the north side
- Portion of Three Chopt Road will be closed during culvert construction (temp. detour)
- Left turn lanes provided at Thamesford Way, Rockport Drive West & East and Church Run Parkway

Project Corridor Walk-Through (cont.)



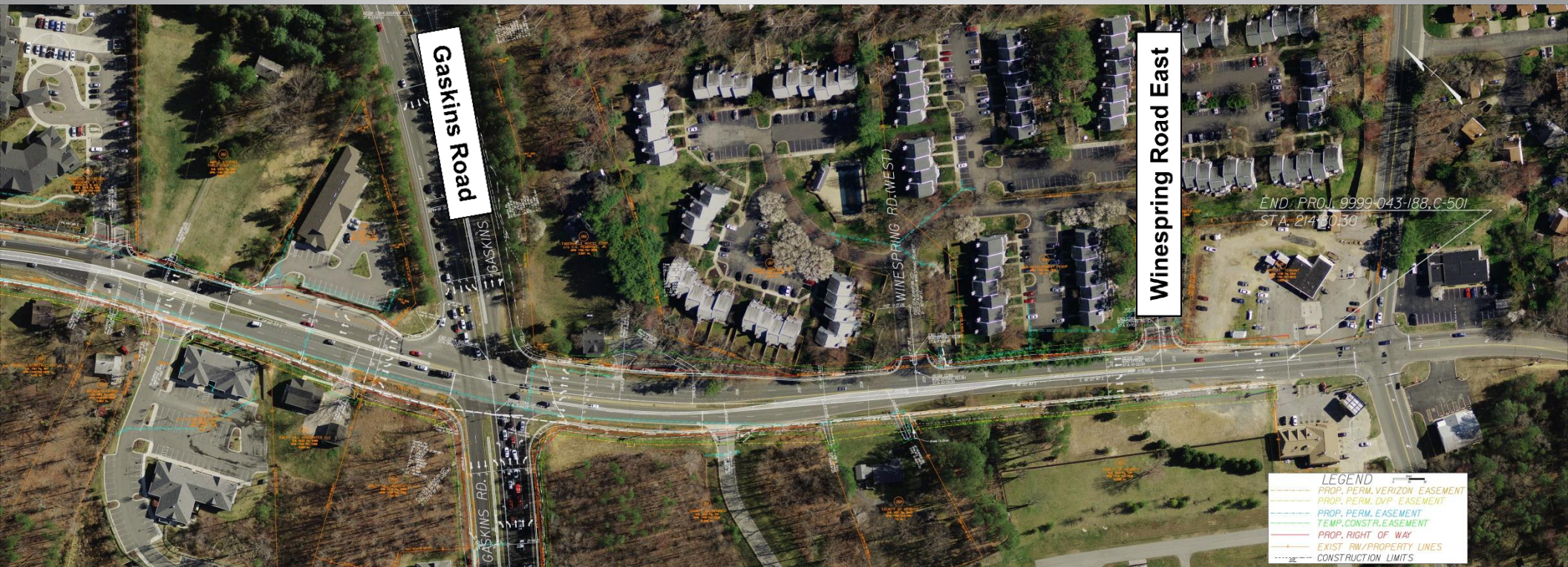
- Portion of Three Chopt Road will be closed during culvert construction (temp. detour)
- Left turn lanes provided at Bay Meadow Way, Barony Crescent, Cox Road, Church Road, Old Cox Road and at Rainbow Station
- Will provide access to all properties during construction
- Deep Run Church Cemetery will not be disturbed (cannot place sidewalk)
- Concrete retaining wall (SE corner) will not be disturbed

Project Corridor Walk-Through (cont.)



- Triple Barrel 10'X10' Box Culvert will be extended without road closure
- Left turn lanes provided at Newlands Avenue, Cedarfield Parkway and Barbara Lane

Project Corridor Walk-Through (cont.)



- Major intersection improvement at Gaskins Road to include dual left turn lanes, two through-lanes, and a right turn lane in all directions, and traffic signal modifications, will significantly improve traffic flow efficiency
- Left turn lane provided at Winespring Road East
- End of project near Pemberton Road

Next Steps

- | | |
|----------------------------|-------------|
| • 80% CIM | Today |
| • Public Hearing | Spring 2016 |
| • Begin ROW acquisition | Spring 2016 |
| • Begin utility relocation | Summer 2017 |
| • Begin construction | Summer 2018 |
| • Project Completion | 2020 |

These dates are anticipated and are subject to change

Thank you for your time

Please leave your comments in the comment box provided or submit to us by November 30, 2015



General Project Questions and Answers



Moderator: Steve Yob, PE
Henrico County Director of Public Works