

# Three Chopt Road Improvements



**Public Hearing**

**May 26, 2016**

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### Tonight's Schedule

6:00 – 6:15	Gathering and Sign-in
6:15 – 6:45	Presentation by Rob Tieman, P.E.
6:45 – 7:15	Q&A: Steve Yob, P.E. – Moderator
7:15 –	Staff available to address individual questions

# Resources to Assist You

## Henrico County Staff

- Public Works
- Real Property
- Public Utilities
- Planning

## Design Consultant Staff

- AECOM



# Recent Public Participation Meetings

- ***November 19, 2015, 80% CIM***
  - Present plan and receive feedback
- ***April 21, 2016, 80% Follow-up CIM***
  - Present County responses, plan changes, and next steps
- ***May 26, 2016, Public Hearing***
  - Officially present plan for public comments, leading to formal project acceptance



# Purpose of This Project

- Improve roadway capacity and safety by providing a consistent 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.
- Modify Traffic Signals at Cox Road and Gaskins Road to increase traffic flow efficiency.
- Provide enclosed storm drainage and improve three major culvert crossings.
- Extend pedestrian facility network

# Project History

- Three Chopt Road is a Major Collector on the 2026 Major Thoroughfare Plan
- In January 2005 the Board of Supervisors (BOS) approved the design contract
- In June 2008 the BOS approved an amendment to extend the western boundary of the project
- In February 2013 the BOS approved amendments 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

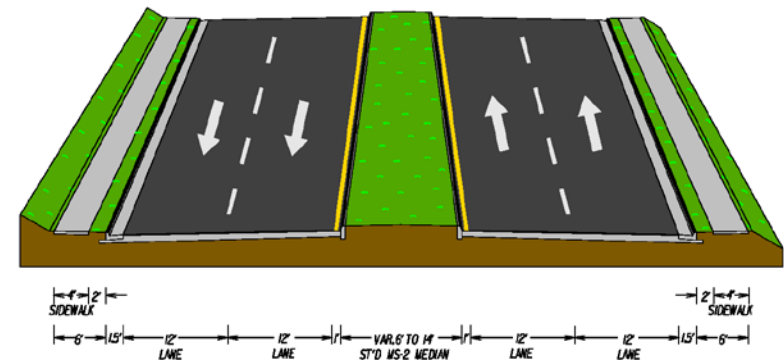


# Project Corridor Walk-Through



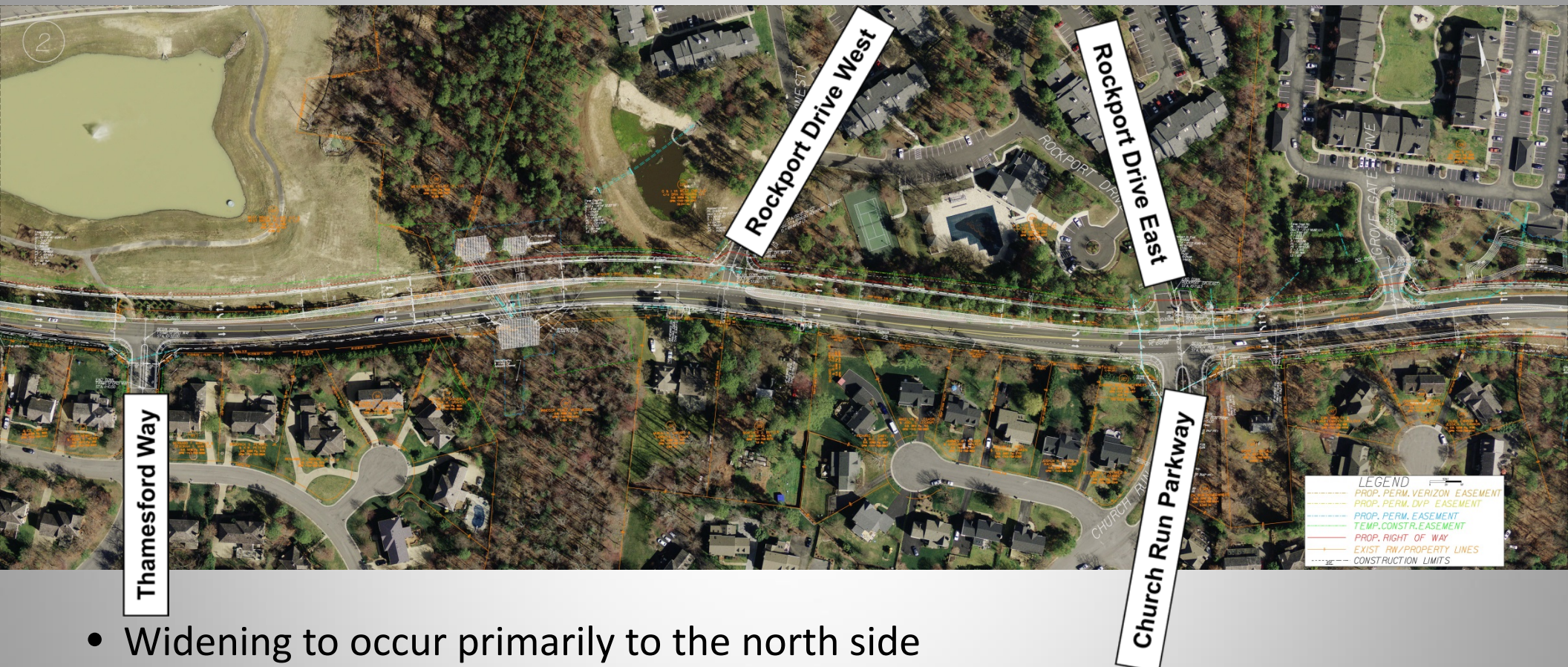
- Project begins near Pocahontas Middle School
- Provides four lanes with additional turn lanes
- Provides sidewalk on both sides of Three Chopt Road
- Left turn lane provided at Barrington Hill Drive

## 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...
  - Note: temporary detours will not be routed through neighborhoods
- Left turn lanes provided at Thamesford Way, Rockport Drive West & East and Church Run Parkway
- Right turn-lane onto Church Run Parkway

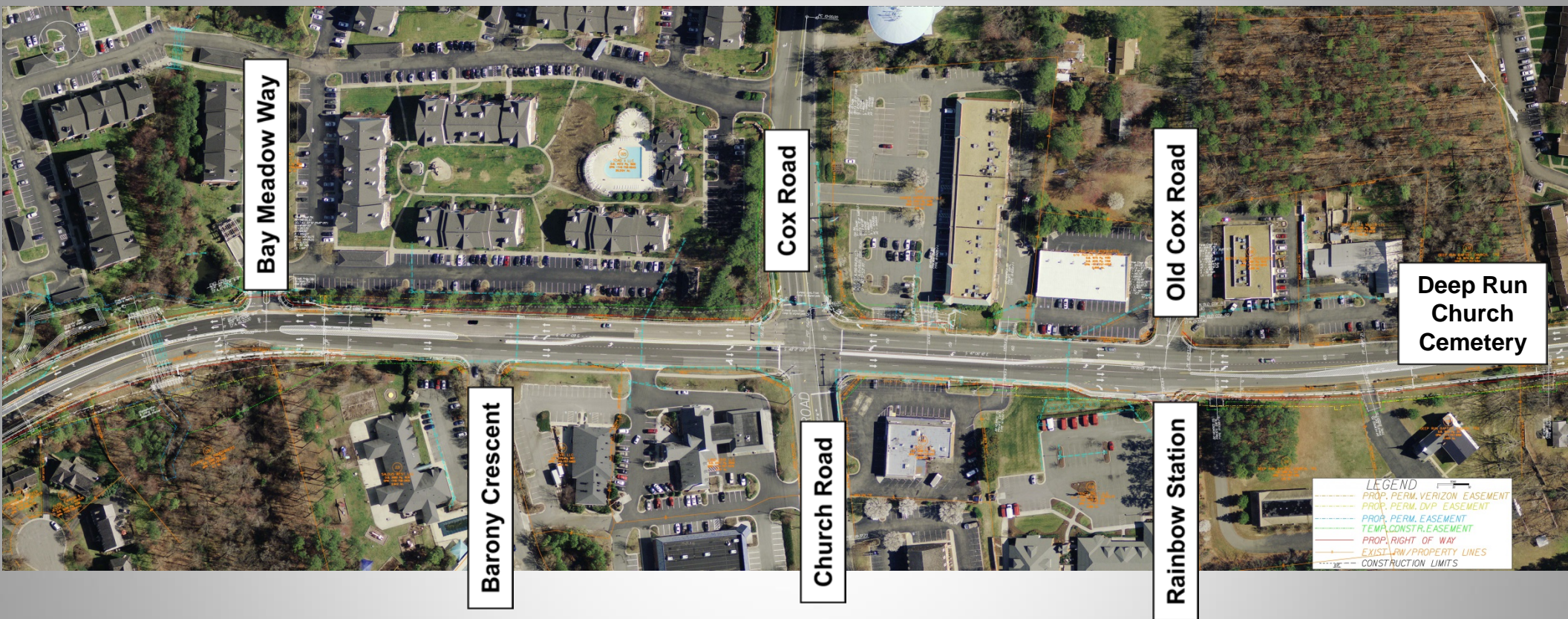
# Pedestrian Crossing

County studied corridor and will install a  
protected pedestrian crosswalk  
near Thamesford Way





# Project Corridor Walk-Through (cont.)



- Portion of Three Chopt Road will be closed during culvert construction
- Intersection improvements at Three Chopt/Cox/Church
- Access to all properties during construction
- Deep Run Church Cemetery will not be disturbed
- Concrete retaining wall (SE corner) will not be disturbed



# Access to Deep Run Church and Area Businesses

Eliminate median between Rainbow Station and Newlands Avenue to provide left turn access

(Blue Line)

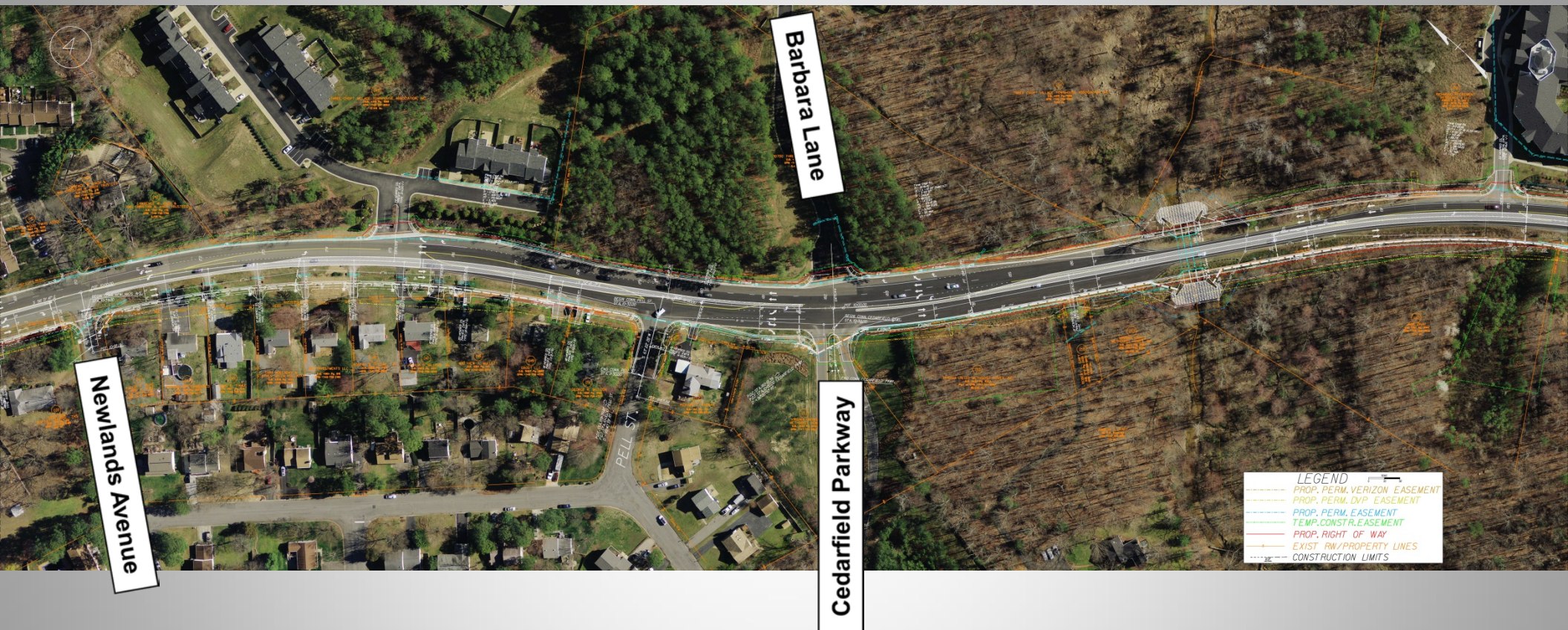
Improve driveway to church

(Red Line)





# Project Corridor Walk-Through (cont.)



- Triple 10'X10' Box Culvert will be extended without road closure
- Left turn lanes provided at Newlands Avenue, Cedarfield Parkway and Barbara Lane
- Median openings between Cedarfield and Dogwood Terrace to allow U-turns



# Project Corridor Walk-Through (cont.)



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



# Traffic Summary



- Traffic Study conducted in 2005, revised in 2014
  - Cox Road to Gaskins Road:
    - Existing (2013): 18,070 vehicles per day (vpd)
    - Design Year (2038): 20,470 vpd
  - Cox Road to Barrington Hills
    - Existing (2013): 9,256 vpd
    - Design Year (2038): 10,485 vpd
  - 0.5% Growth Rate – consistent with other Short Pump studies
- Recent Truck Study showed  $< 1\%$  trucks
- Major Collector – 45 mph speed limit



# Environmental Summary

Project meets all applicable Federal and State environmental requirements



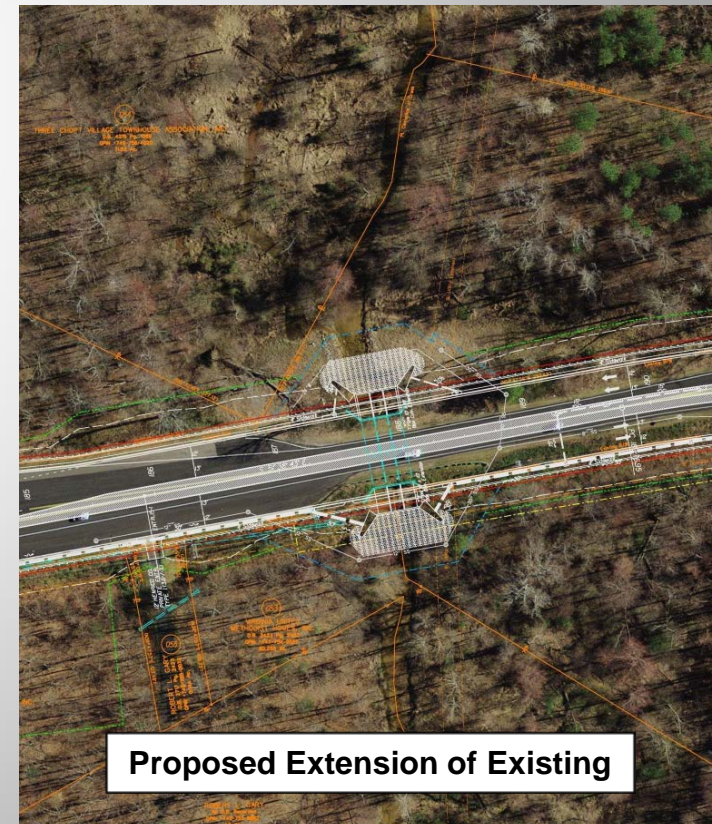
- Categorical Exclusion Environmental Document
- No impact to archeological and architectural resources
- No Impact to Federal or State threatened or endangered species
- Stormwater water quality removal requirement met
- Wetland & Stream mitigation requirements met

# Noise Study evaluating Potential Noise Walls

- Comprehensive noise study complies with all federal requirements
- Study identified eight (8) potential noise walls that are considered “reasonable” and “feasible”
- County collected citizen votes from “sensitive receptors”. To date, only one (1) “yes” vote, all others are “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 increase in the 100-year floodplain
- No road overtopping by 100-year floodwater

# Landscaping



- History
  - Landscaping is not part of this project given Federal funding
  - County committed to separate landscaping project after roadway project
- Landscaping Committee comprised of interested residents
  - County accepting names for Committee
  - Committee will be formed after Public Hearing



# 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>\$18.9 million</u>
Anticipated Total Project Cost	\$25.5 million

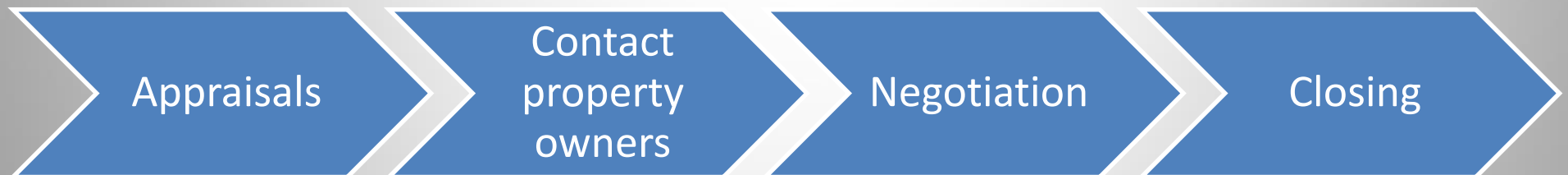
# Anticipated Schedule



- Public Hearing: May 26, 2016
- ROW Acquisition: Begin Summer 2016
- Utility Relocations: Begin Summer 2017
- Advertise for Construction: Summer 2018
- Project Completion: 2020

# Acquisition Process Overview

- There are 71 affected parcels (ROW will be required from 47 parcels)
- Right-of-Way acquisition by Henrico County Real Property
- Acquisition process will follow Virginia State Uniform Relocation and Right of Way Acquisition Code



- Appraisals to begin Summer 2016
- Negotiations anticipated to begin Fall 2016

# Thank you for your time

Please leave your submit your comments to us  
by June 3, 2016:

- 1) Drop off in the comment box tonight
- 2) Email or Mail to addresses on comment sheet
- 3) Leave comments with stenographer tonight



# General Project Questions and Answers



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