

TO: FHWA  
FROM: Palmer Stearns  
DATE: February 24, 2022

**CATEGORICAL EXCLUSION (CE)**

**Date CE level document approved by VA FHWA Division:**

**FHWA Contact:** Eric Rothermel  
**Project Name:** Pole Green Road Widening  
**Route:** State Route 627  
**Route Type:** Secondary  
**Project Type:** Construction  
**State Project Number:** 0627-042-873  
**Federal Project Number:** RSTP-5A27(721)  
**UPC:** 109260  
**From:** Bell Creek Road  
**To:** Rural Point Road  
**County/City:** Hanover County  
**District / Residency:** Richmond/Ashland

**Project in STIP:** Yes  No   
**Project in Long Range Plan:** Yes  No  N/A Project Outside of MPO Area   
**Next Phase of Funding Available:** Yes  No

**Project Description:** The proposed project involves the widening of Pole Green Road (Route 627) for approximately 1.6 miles between Bell Creek Road (Route 642) and Rural Point Road (Route 643), from an existing 2-lane roadway to a 4-lane divided roadway. The project also includes the installation of pedestrian crosswalks, sidewalks, grass and concrete medians, and stormwater management facilities.

**CE Category 23 CFR 771.117:** (d)  
**Description of CE Category:** (d): Additional actions which meet the criteria for a CE in the CEQ regulations (40 CFR §1508.4) and paragraph (a) of this section may be designated as CEs only after Administration approval unless otherwise authorized under an executed agreement pursuant to paragraph (g) of this section. The applicant shall submit documentation which demonstrates that the specific conditions or criteria for these CEs are satisfied and that significant environmental effects will not result.

**USGS Map Attached** Yes

**Logical Termini and Independent Utility:**  
Yes  N/A  (For Non-highway construction only, explain in comments below)

**Purpose and Need Statement:** The purpose of the project is to widen Pole Green Road, between Bell Creek Road and Rural Point Road, to improve traffic flow. The project also includes addition of pedestrian/bicycle facilities in order to provide a safe, walkable route to nearby amenities and neighborhoods. The project is needed to increase road capacity and reduce congestion along a heavily trafficked corridor, while also providing multi-modal transportation facilities.

**Comments:** Hanover County has determined that transportation projects should incorporate multi-modal facilities to promote alternative means of transportation and further reduce congestion. Multimodal transportation networks are identified as the framework to accommodate growth and development, while promoting the movement of people and goods efficiently. The Pole Green Road corridor is one of many critical components of the County’s Major Thoroughfare Plan to reduce congestion and improve multi-modal mobility throughout the County. As part of the overall Comprehensive Plan, the Major Thoroughfare Plan uses existing highways to identify necessary improvements and accommodate future anticipated changes to surrounding land.

**Typical Section:** The project typical section varies to include a 4-lane divided roadway, turn lanes, median, concrete pedestrian sidewalks, pedestrian crosswalks, and stormwater improvements ; the general section includes two 11’ westbound and two 11’ eastbound travel lanes (two in each direction) with curb and gutter, and a 10’ shared use path south of eastbound lanes. The proposed road widening and installation of pedestrian facilities will require both fill and excavation to obtain level grade.

**Structures:** Improvements to the existing stormwater conveyance system are proposed. Standard culvert improvements and installations are proposed within the project corridor, however, no major structures (i.e. walls, bridges, box culverts, etc.) are included in the project design.

<b>SOCIO-ECONOMIC</b>	<b>PRESENT</b>		<b>IMPACTS</b>	
	<b>YES</b>	<b>NO</b>	<b>YES</b>	<b>NO</b>
Minority/Low Income Populations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Disproportionate Impacts to Minority/Low Income Populations: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Existing or Planned Public Recreational Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> EJ Screen Percent Minority/Low Income Populations, PFI Project Design Plans, Hanover County Department of Public Works, Hanover County Comprehensive Plan – Section 3				
Community Services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> Hanover County Fire & Rescue, School Transportation, and Law Enforcement				
Consistent with Local Land Use: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
<b>Source:</b> Hanover County Zoning				
Existing or Planned Bicycle/Pedestrian Facilities:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> PFI Project Design Plans, Hanover County Department of Public Works, Hanover County Comprehensive Plan – Section 3				

**Comments:** The environmental justice analysis is based on whether the percentage of minority or low-income populations within a specific Census Tract Block Group are impacted at a greater rate than the average population. The Environmental Justice Study Area has a minority population of 15.36%, and therefore an Environmental Justice (EJ) evaluator factor of 16.89%. If the percentage of minority population in a specific Block Group in the study area exceeds 50% or is higher than the EJ evaluator factor, the tract has the potential to contain an EJ population which may be affected by the project. Based on 2020 Census Data, Block Groups within the study area that exceed the EJ evaluation factor are Tract 3209.01/Block Group 3, 3210.01/Block Group 2, and 3210.04/Block Group 2.

Additionally, based on 2010-2014 USA.com data, the median household income in the study area ranges from \$53,523 to \$113,482 and exceeds the median household income of \$26,500 for the 48 Contiguous States and the District of Columbia considered at poverty level from 2021 Health and Human Service Poverty Guidelines.

Although EJ populations exist, these populations will not be disproportionately and/or adversely impacted by the proposed project since there are no relocations, displacements, disruption of community, or disruption of emergency services. As such, in accordance with the provisions of E.O. 12898 and FHWA Order 6640.23A, no further EJ analysis is required.

The nearest existing recreational area is Pole Green Park, which is located 1.24 miles northeast of the project area. The proposed project would not impact the park and would improve access to the park from neighboring areas. There are no planned recreational facilities for the proposed project.

Coordination has been conducted with Hanover County Director of School Transportation, Hanover County Fire and Emergency Services (EMS), and Hanover County Sherriff's Office. The Director of School Transportation stated that bus routes are mostly impacted between the hours of 7am-9am, and 2pm-4pm. Hanover County will accommodate bus routes during construction, therefore the proposed project will not impact school transportation services. Hanover County Fire and EMS stated that the Department(s) will have a plan in place to limit potential impacts on emergency services. Lastly, the Hanover County Sherriff's Office provided input on preliminary project designs to limit adverse effects to emergency services. Overall, the proposed project will be designed to ensure emergency services are fully operational during construction and upon project completion.

Pedestrian and bicycle facilities do not currently exist along the project corridor. The proposed project includes the addition of a shared use path to accommodate pedestrians and cyclists. The shared use path will extend through the entire length of the project corridor and benefit all populations in the area.

<b>SECTION 4(f) and SECTION 6(f)</b>	<b>YES</b>	<b>NO</b>
Use of 4(f) Property: Acres of use: 1.55 acres from 042-5018; 9.36 acres from 042-5017; 9.36 acres from 042-5022	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name of Resource: Gaines' Mill Battlefield (042-5018), Cold Harbor Battlefield (042-5017), Totopotomoy Creek Battlefield (042-5022)		
<b>Type of Resource:</b>		
Individually Eligible Historic Property:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Contributing Element to Historic District	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Public Recreation Area:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Public Park:	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Public Wildlife/Waterfowl Refuge:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Planned Public Park, Recreation Area, Wildlife or Waterfowl Refuge:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> Virginia Department of Historic Resources, Virginia Outdoors Plan Mapper, Virginia Outdoors Foundation, Hanover County GIS, Hanover County Parks and Recreation		
De Minimis:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Type of Use:</b>		
Permanent:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Temporary:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Section 4(f) Evaluation Attached:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conversion of 6(f) Property: Acres of Conversion: N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> PFI Project Design Plans, Virginia Outdoors Plan Mapper, Virginia Outdoors Foundation, The Wilderness Society - Land and Water Conservation Fund Federal and State Project Map		
<p><b>Comments:</b> Based on historic sites that are deemed National Register "eligible" or "potentially eligible" within the project area (DHR ID resources 042-5017 "Cold Harbor Battlefield", 042-5018 "Gaines' Mill Battlefield", 042-5022 "Totopotomoy Creek Battlefield" and 042-0005 "Wingfield Property"), the construction of the proposed Project results in the Use of 4(f) Resources. 4(f) Resources within the Project Area will be permanently incorporated into aquired right-of-ways and permanent drainage easements and temporarily occupied in areas requiring temporary construction easements. On October 22, 2021, FHWA made a Section 4(f) De Minimis finding for DHR ID resources 042-5017 "Cold Harbor Battlefield", 042-5018 "Gaines' Mill Battlefield", and 042-5022 "Totopotomoy Creek Battlefield".</p> <p>Driveway improvements to the Wingfield Property will be constructed entirely within the existing right of way, therefore, there is no 4(f) Use associated with this property.</p> <p>Aside from the historic sites mentioned above, there are no other 4(f) resources within the Project Area. The Project Area mainly consists of residential and rural farm land, with a small portion of commercial/retail development along the northwestern boundary. On December 20, 2021, Hanover County Parks and Recreation confirmed that there are no parks or schools with athletic facilities in the project area. Additionally, the Virginia Outdoors Plan Mapper and the Virginia Outdoors Foundation Mapper indicate that there are no public access lands/parks or conservation easements within the Project Area.</p>		

CULTURAL RESOURCES	COMPLETE	N/A
<b>Source:</b> Virginia Department of Historic Resources		
"No historic properties present or affected in accordance with the 2016 Federal PA"	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Phase I Architecture Conducted	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Phase II Architecture Conducted	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Phase I Archaeology Conducted	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Phase II Archaeology Conducted	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Section 106 Effect Determination: No Adverse Effect		
DHR Concurrence on Effect: Yes <input checked="" type="checkbox"/> Date: August 20, 2021		
MOA Attached: Yes <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Execution Date: / /		
Name of Historic Property: Cold Harbor (DHR ID 042-5017), Gaines' Mill (DHR ID 042-5018), and Totopotomoy Creek (DHR ID 042-5022) Battlefields, Wingfield property (DHR ID 042-0005)		

Comments: Three (3) potentially eligible architectural resources are located within the proposed project limits. The Cold Harbor (042-5017), Gaines' Mill (042-5018), and Totopotomoy Creek (042-5022) Battlefields encompass large areas in and around the Site and are significant to the Civil War. These battlefields have all been moderately to heavily impacted by commercial and residential development in the Pole Green Road area. The Beaver Dam Creek Battlefield (042-5479), is also located within the project limits but has been deemed "not eligible". Other resources onsite include many non-evaluated houses from multiple time periods, including the Early National, Reconstruction and Growth, Antebellum, World War I to II, and the New Dominion Period.

An Intensive Level Phase II Survey of The Wingfield property (042-0005) was completed by Dutton + Associates, LLC and submitted to the Virginia Department of Historic Resources (VDHR) for review on February 10, 2021. The Wingfield property, an Early National Period Victorian/Folk style house, was determined to be eligible for listing in the National Register of Historic Places by VDHR on March 25, 2021. Following VDHR's listing determination, Dutton + Associates completed an Assessment of Effects to the Wingfield property. The Assessment of Effects was submitted to VDHR on July 8, 2021. Section 106 consultation with VDHR, dated August 30, 2021, stated that the project will have an effect on historic resources, however the effect will not be adverse. Road construction adjacent to the Wingfield property will be limited to the existing right-of-way along Pole Green Road.

On February 16, 2022, the VDHR reiterated their earlier concurrence with a no adverse effect determination after reviewing the locations of the four proposed stormwater management basins.

NATURAL RESOURCES	PRESENT		IMPACTS	
	YES	NO	YES	NO
Surface Water (Name: Unnamed tributaries of Beaverdam Creek) 364 Linear Feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Source:</b> USGS 2016 Studley Quadrangle, USFWS NWI Map, <i>Preliminary Jurisdictional Determination (NAO-2020-1053)</i>				
<b>Federal Threatened or Endangered Species:</b> Terrestrial: Northern Long-eared Bat ( <i>Myotis septentrionalis</i> ) Aquatic: N/A Plants: N/A	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> USFWS, IPaC, VDWR-VaFWIS, DCR-DNH				
100 Year Floodplain: If "Yes" then identify the regulatory floodway zone:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> FEMA National Flood Hazard Layer (NHFL)				
Tidal Waters/Wetlands:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetlands: 0.99 acres (43,205 square feet)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Source:</b> USFWS NWI Map, <i>Preliminary Jurisdictional Determination (NAO-2020-1053)</i>				
	<b>Yes</b>		<b>No</b>	
Permits Required	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<b>Source:</b> PFI Project Design Plans, <i>Preliminary Jurisdictional Determination (NAO-2020-1053)</i>				

**Comments:** Coordination for threatened and endangered species has been conducted at the state and federal levels. USFWS indicated one (1) species, the Northern Long-eared Bat (*Myotis septentrionalis*) however, there is a lack of suitable habitat for this species.

FEMA's National Flood Hazard Layer shows the Project Area within an Area of Minimal Flood Hazard (Zone X).

The Site was delineated based upon the methodology outlined in the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual on April 8, 2019 and April 14, 2019. Confirmation of Wetlands and Waters of the U.S. onsite with the USACE (NAO-2020-1053) indicates a Section 404 permit will be required. However, all proposed work can be completed with either a Nationwide or a General Permit.

AGRICULTURAL/OPEN SPACE	PRESENT		IMPACTS	
	YES	NO	YES	NO
Open Space Easements	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Source: Virginia Outdoors Plan Mapper, Virginia Outdoors Foundation</i>				
Agricultural/Forestal Districts	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Source: Hanover County Planning Department</i>				
<b>Comments:</b> No open space easements or agricultural or forestal districts are present within or near the project limits.				

FARMLAND	YES	NO
NRCS Form CPA-106 Attached: Rating: N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alternatives Analysis Required:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>If Form CPA-106 is not attached check all that are applicable:</b>		
Land already in Urban use:	<input type="checkbox"/>	<input type="checkbox"/>
Entire project in area <i>not</i> zoned agriculture:	<input type="checkbox"/>	<input type="checkbox"/>
NRCS responded within 45 days:	<input type="checkbox"/>	<input type="checkbox"/>
NRCS Determined no prime or unique farmland in the project area.	<input type="checkbox"/>	<input type="checkbox"/>
<i>Source: U.S. Department of Agriculture – Natural Resources Conservation Service (NRCS)</i>		
<b>Comments:</b> A Farmland Protection Policy Act (FPPA) request was provided to NRCS on September 29, 2020. The CPA-106 Form was returned by NRCS on October 6, 2020. 'No' was checked for 'Does the corridor contain prime, unique, statewide or local important farmland' on NRCS-CPA-106. Since the project area contains mostly existing roadways and shoulders, there is no impact to prime farmland or farmland of statewide importance. As such, no rating was given.		

INVASIVE SPECIES	PRESENT		
	YES	NO	UNKNOWN
Invasive Species in the project area:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>There is potential for invasive species to become established along the limits of disturbance of the project during and following construction. Section 244.02(c) of VDOT's Road and Bridge Specifications (2016) includes provisions intended to control noxious weeds (which includes non-native and invasive species).</p> <p>While rights-of-ways are at risk from invasive species colonization from adjacent properties, implementing the above provisions would reduce or minimize potential for introduction, proliferation, and spread of invasive species. Additionally, the implementation of BMPs for erosion/sediment control and abatement of pollutant loading would minimize indirect impacts to adjoining communities and habitat by reducing excess nutrient loads that could encourage invasive species proliferation.</p> <p><b>Comments:</b> The Virginia Department of Conservation and Recreation (DCR) has only general information about the distribution of invasive species. Many invasive plant species are adapted to take advantage of soil disturbances and poor soil conditions. Non-native invasive plants are found throughout Virginia. Therefore, the potential exists for some VDOT projects to further the establishment of invasive species. Minimizing soil disturbance will help to inhibit the establishment of invasive species.</p> <p>Project construction would adhere to provisions intended to control noxious weeds (which includes non-native and invasive species) in VDOT's Road and Bridge Specifications manual (VDOT, 2016). As such, the project is not anticipated to impact invasive species.</p>			

AIR QUALITY		
<b>Carbon Monoxide (CO)</b>	<b>Yes</b>	<b>No</b>
This project is located in a CO <input checked="" type="checkbox"/> Attainment Area <input type="checkbox"/> Maintenance Area		
CO Hotspot Analysis Required? (if "Yes", please attach analysis) <input type="checkbox"/> <input checked="" type="checkbox"/>		
If "No", indicate which exemption it falls under:		
<input type="checkbox"/> Exempt project under 40 CFR 93.126.		
<input checked="" type="checkbox"/> Exempt project based on traffic volumes below thresholds in the current VDOT Project Level Air Quality Studies Agreement with FHWA/EPA.		
<b>Ozone</b>		
This project is located in an Ozone <input checked="" type="checkbox"/> Attainment Area <input type="checkbox"/> Maintenance Area <input type="checkbox"/> Nonattainment Area <input type="checkbox"/> Early Action Compact Area		
Only projects located in ozone nonattainment or maintenance areas must complete this box		
<input type="checkbox"/> Exempt from regional emissions requirements under 40 CFR 93.126 or 40 CFR 93.127.		
<input type="checkbox"/> Properly programmed in the CLRP and FY - TIP.		
<input type="checkbox"/> The project is not regionally significant and/or is not of a type that would normally be included in the regional transportation model.		
<input type="checkbox"/> This project is regionally significant; however the project was not modeled, or the scope of the project is not consistent with what was modeled in the currently conforming CLRP and TIP.		
<b>Fine Particulate Matter (PM2.5)</b>	<b>Yes</b>	<b>No</b>
This project is located in a PM <sub>2.5</sub> <input type="checkbox"/> Nonattainment Area <input type="checkbox"/> Maintenance Area <input checked="" type="checkbox"/> Attainment Area		

PM <sub>2.5</sub> Hotspot Analysis Required? (If "Yes", Please Attach Analysis)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Check all that apply;		
<input type="checkbox"/> A. Exempt project under 40 CFR 93.126, Table 2.		
<input type="checkbox"/> B. Not a project of air quality concern under 40 CFR 93.123(b)(1)(i) thru (v).		
<input type="checkbox"/> C. Properly programmed in the CLRP and FY - TIP.		
<input type="checkbox"/> D. This project is regionally significant; however the project was not modeled, or its scope is not consistent with what was modeled, in the currently conforming CLRP and TIP.		
If "B" is checked above, please indicate the following for highway projects; Design Year _____, Peak AADT _____, Peak Diesel Truck % _____		
<b>Mobile Source Air Toxics (MSAT)</b>		
This project <input checked="" type="checkbox"/> is exempt with no meaningful potential MSAT effects		
<input type="checkbox"/> is one with low potential MSAT effects (attach qualitative MSAT analysis)		
<input type="checkbox"/> is one with high potential MSAT effects (attach quantitative MSAT analysis)		
Check all that apply;		
<input checked="" type="checkbox"/> Exempt project under 40 CFR 93.126, or qualifies as a CE under 23 CFR 771.117(c).		
<input type="checkbox"/> Project with no meaningful impact on traffic volumes or vehicle mix.		
If a qualitative MSAT analysis is required, please indicate the following for highway projects; Design Year: N/A Peak AADT: N/A		
<b>Source:</b> EPA Green Book, VDOT Project-Level Air Quality Resource Document, and VDOT/FHWA Project Level Agreement		
<p><b>Comments:</b> The study area is located in the County of Hanover. At the time of preparation of this technical report, the United States Environmental Protection Agency's (EPA) Green Book shows the County of Hanover to be designated as an attainment area for all criteria pollutants. Notwithstanding that listing in the EPA Green Book, federal conformity requirements, including specifically 40 CFR 93.114 and 40 CFR 93.115, apply for the project as the area in which it is located is one affected by a court decision that reinstates conformity requirements nationwide associated with the 1997 ozone NAAQS that had previously been eliminated with the revocation by EPA of that NAAQS in 2015.</p> <p>As of the date of preparation of this analysis, the project is included in the currently conforming FY 2021-2024 Transportation Improvement Program (TIP) and 2045 Long Range Transportation Plan (LRTP), which received a joint FTA/FHWA conformity finding for the 1997 ozone standard, dated October 4, 2021. The LRTP and TIP are developed by the metropolitan planning organization (MPO) for the region, whose members include VDOT.</p> <p>The proposed improvements were assessed for potential air quality impacts and compliance with applicable air quality regulations and requirements. All models, methods/protocols and assumptions applied in modeling and analyses were made consistent with those provided or specified in the VDOT Resource Document. The assessment indicates that the project would meet all applicable air quality requirements of the National Environmental Policy Act (NEPA) and federal and state transportation conformity regulations. As such, the project will not cause or contribute to a new violation of the NAAQS established by EPA. An Air Quality Technical Report was prepared by Timmons Group and approved by VDOT on October 7, 2021.</p>		

NOISE	YES	NO
Type I Project:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Source:</b> VDOT Environmental		

Noise Analysis Attached:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Barriers Under Consideration:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> <i>HMMH Noise Analysis - Pole Green Road Widening Project</i>		
<b>Comments:</b> Per the Federal Noise Regulation and State Noise Policy, the project qualifies as a Type I project since it is a project on new alignment. A noise impact assessment and preliminary noise abatement evaluation was conducted by HMMH and approved by VDOT on October 15, 2021. A total of 11 and 14 residential impacts were predicted for the existing (2020) and design year (2046) respectively. However, due to existing driveway access along Pole Green Road that will be maintained under future conditions, barriers would not be feasible for any of the residential impacts.		

<b>RIGHT OF WAY AND RELOCATIONS</b>	<b>YES</b>		<b>NO</b>	
Residential Relocations: If "Yes", number:	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Source:</b> <i>PFI Project Design Plans</i>				
Commercial Relocations: If "Yes", number:	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Source:</b> <i>PFI Project Design Plans</i>				
Non-profit Relocations: If "Yes", number:	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Source:</b> <i>PFI Project Design Plans</i>				
Right of Way required: If "Yes", acreage amount: Approximately 6 acres	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>Source:</b> <i>PFI Project Design Plans</i>				
	<b>PRESENT</b>		<b>IMPACTS</b>	
	<b>YES</b>	<b>NO</b>	<b>YES</b>	<b>NO</b>
Septic Systems, Wells, or Public Water Supplies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Source:</b> <i>Site Survey</i>				
Hazardous Materials:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> <i>Field Survey, Site Inspection, Environmental Risk Information Services (ERIS) Database Report</i>				
<b>Comments:</b> No residential, commercial, and/or non-profit relocations are proposed for the project.				
<p>Field survey was conducted for this project and certified by registered Land Surveyors. The survey identified private well and septic systems within the project area, however, the proposed improvements will not impact these facilities. The survey also identified public water and sewer lines, which are proposed to be spot relocated as needed during project construction Tie-ins for sewer and water line spot relocations will either be done at night (low water usage time) with advance notifications to all affected property owners, or a tapping sleeve and valve assembly used to maintain continuous water use during tie-ins.</p> <p>No environmental risks were identified in association with the project area and adjoining properties based on distance from project construction, review of the Environmental Risk Information Services (ERIS) Database Report, and groundwater flow direction.</p>				

CUMULATIVE AND INDIRECT IMPACTS	PRESENT		
	YES	NO	N/A
Present or reasonably foreseeable future projects (highway and non-highway) in the area:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Impact same resources as the proposed highway project (i.e. cumulative impacts):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Indirect (Secondary) impacts:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Source:</b> Hanover County Comprehensive Plan			
<b>Comments:</b> Per EM-NEPA-715, the indirect and cumulative effects of the proposed action have been considered as part of this document. The impact causing activities proposed as part of the project could result in limited indirect effects to the surrounding area. These impacts could be minimized and mitigated through appropriate erosion and sediment controls, stormwater management, and adhering to permit conditions. Indirect impacts to socioeconomic resources would be mitigated and minimized through actions taken by the locality, individual property owners, and the surrounding business community. The proposed project would contribute negligible increments the cumulative effects of past, present and reasonably foreseeable future projects.			

PUBLIC INVOLVEMENT	YES	NO
Substantial Controversy on Environmental Grounds:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Source:</b> Hanover County Department of Public Works		
Public Hearing: If "Yes", type of hearing: Design Public Hearing (Planned Summer 2022)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other Public Involvement Activities: If "Yes", type of Involvement: Two (2) Citizen Information Meetings (10/27/2021 and 9/13/2021)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Source:</b> Hanover County Department of Public Works		
<b>Comments:</b> As this project has minimal impact, a Willingness to Hold a Public Hearing was posted and advertised in March 2021. The Willingness period closed on March 31, 2021 with no comments or concerns raised. A Design Public Hearing will be held in the Summer of 2022.		

## COORDINATION

The following agencies were contacted during development of this study:

- Hanover County Department of Public Works
- Hanover County Planning Department
- Hanover County Fire Department
- Hanover County Police Department
- Hanover County Schools
- Hanover County Parks and Recreation
- Federal Emergency Management Agency (FEMA)
- United States Census Bureau
- United States Department of Agriculture - Natural Resource Conservation Service (NRCS)
- United States Environmental Protection Agency (EPA)
- United States Fish and Wildlife Service (USFWS)
- Virginia Department of Wildlife Resources (VDWR)
- Virginia Department of Conservation and Recreation – Natural Heritage (DCR-NH)

- Virginia Department of Forestry (DOF)
- Virginia Outdoors Foundation (VOF)
- Virginia Department of Historic Resources (DHR)
- Virginia Department of Transportation (VDOT)

**This project meets the criteria for a Categorical Exclusion pursuant to 40 CFR 1508.4 and 23 CFR 771.117 and will not result in significant impacts to the human or natural environment.**