

## Preliminary Environmental Inventory

### Project Information

<b>PPMS ID #:</b> 19036	<b>Date:</b> 02/23/2005	<b>District SERP Coordinator:</b> Aschenbach, Ernst	
<b>Project Name:</b> Forest Hill Avenue	<b>Field Review Date:</b> 02/04/2005	<b>Field Review Conducted By:</b> Aschenbach, Ernst	
<b>Route:</b> 0	<b>City/County:</b> Richmond (City)	<b>Zip code:</b> 23225	
<b>Road Type:</b> Urban	<b>Lat:</b> 37°32' 09"	<b>Long:</b> -77°30' 47"	
<b>VDOT Prj #:</b> U000-127-155	<b>Project Administered by Local Government:</b> Yes		
<b>Limits From:</b> HATHAWAY ROAD	<b>Target Advertisement Date:</b>		
<b>Limits to:</b> EAST JUNCTION POWHITE PARKWAY	<b>Funding Source:</b> Federal		

**Additional Project Description:** The scope of this project will be to widen 4 to 5 lanes section between Hathaway Rd. to the East Junction of the Powhite Parkway. This project will provide a 5 lane section with curb & gutter, sidewalks, drainage system, lighting and landscaping on both sides of the roadway. Forest Hill currently is comprised of four lanes between the project limits of Hathaway Road and Powhite Parkway. It is classified as a major arterial roadway and carries approximately 26,000 vhd.

<b>Project Type:</b> Construction	<b>Location Of Work:</b> Work within existing corridor	<b>Road Conditions:</b>	Existing	Proposed
		<b>Pavement Width (ft)</b>	48	60
		<b>Right-of-way-width (ft)</b>	70	100
		<b>Bridge/drainage structure?</b>	None Specified	

### Resource Information

Resource	Detailed Resource Information	Level Of Impact
<b>Potential commercial, residential, or non-profit displacements</b>	#Commercial: 6                      #Residential: 2	Unknown
	#Non-Profit: 1                      #Industrial: 0	
	Comments: VDOT (02/17/2005): Engineering Plans not provided to date. Additional right of way will be acquired. Based on field-review of existing preliminary information, it appears that this project may (acquire new right of way from residential, business, and non-profit properties) result in displacement/s. Engineering-Plans are required in order to confirm this project will not result in displacements.	

<b>Known hazardous materials/waste sites/landfills</b>	Recorded hazmat sites:                    0  Observed or potential sites:            0  DEQ's Real Estate Search Informaton online database provided a list of hazardous waste notifiers, solid waste management facilities, CERCLA sites, and environmental incidents within the project area. These databases were searched for potential impacts to known hazardous material sites on 02/17/2005. This search resulted in the identification of no hazardous material sites within the project area.  Comments:        VDOT-GIS Integrator Search results did not report hazardous material sites, within designated proximity to project. If NO, do not send SERP materials to DEQ-Waste. Yes=send PEI to DEQ-Waste.	No impact
<b>Known underground storage tanks</b>	Recorded tank sites:                    2  Observed or potential sites:            2  DEQ's Leaking Underground Storage Tank database is contained in VDOT'S GIS Integrator under DEQ Petroleum Release Sites. This database was searched for potential impacts to known underground storage tanks on 02/17/2005. This search resulted in the identification of the potential for underground storage tanks within the project area.	Unknown
<b>Air quality</b>	Recorded Area :                                Non-Attainment area  Volatile Organic Compound        Y control area:  Comments:        DEQ Air (01/24/2005)- The above-referenced proposed project is located in an ozone nonattainment area. The applicable state air pollution regulations for this maintenance & replacement project are listed below.9 VAC 5-50-90; Fugitive Dust and Emissions Control. 9 VAC 5-40-5620; Open Burning Requirements. 9 VAC 5-40-5510; Cutback Asphalt Prohibition (during the months of April through October). The project is also located in a state volatile organic compound and nitrogen oxides emmsission control area. Please forward the PEI when it is available. VDOT Comments [02/14/2005]: Based on DEQ-Air recommendations, provided VDOT follows DEQ-Air guidance this project is not anticipated to result in impact to this resource.	No impact
<b>Public parks and recreation areas</b>	Parks:    Recreation areas:  DCR's Virginia Outdoors Plan was searched for potential impacts to	No impact

	<p>public parks and recreation areas. These resources are not present within or adjacent to the project area.</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	
<b>Public waterfowl/wildlife refuges</b>	<p>Refuges: 0 Virginia Land Holdings: 0</p> <p>VDGIF's online Fish and Wildlife Information Service database and DCR's Virginia Outdoors Plan was searched for potential impacts to public waterfowl/wildlife refuges and Virginia Land holdings. These resources are not present within or adjacent to the project.</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	No impact
<b>Agricultural/forestal districts</b>	<p>Number of agricultural districts: 0</p> <p>Number of forestal districts: 0</p> <p>Anticipated # of acres impacted in Agricultural/forestal operation: 0</p> <p>Anticipated # of acres impacted in Agricultural/forestal district: 0</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	No impact
<b>Farm land</b>	<p>Name or Location of farm: 0</p> <p>Acres impacted: 0</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	No impact
<b>Forest land</b>	<p>Name or Location of forest:</p> <p>Acres impacted: 0</p> <p>Comments: DOF ( 01/20/2005 )- No impacts to the forest resources of the Commonwealth, hence no comments and no need to pursue the EQ-429. Thanks.</p>	No impact
<b>Existing open space easement</b>	<p>Number and locations of easements: 0</p> <p>Comments: VOF (-) VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	No impact

<b>Geology of site</b>	<p>Location of areas of concern: within project corridor</p> <p>Comments: DMME (02/01/2005)- The project is underlain by Petersburg Granite along most of the route. Gravel occurs at the western end of the project, and alluvial deposits occur along Powhite Creek at the southern end of the route. None of these geologic units should pose problems during construction. There is also no impact on economic mineral resources. Our agency does not need to review the PEI. Please consider our early comments in project.</p>	Unknown
<b>Public water supply</b>	<p>Location of public water supply: N/A.</p> <p>VDH's public water supply information is contained in VDOT's GIS Integrator under Surface Water Intake, Surface Water Intake Watersheds, Wells and Springs, and Wells and Springs Protection Zones. This database was searched for potential impacts to known public water supplies on 02/17/2005. This search resulted in the identification of no public water supplies within the project area.</p> <p>Comments: VDOT (02/17/2005): Engineering Plans not provided to date. Additional right of way will be acquired. VDOT-GIS Integrator did not report impacts to Watershed and/or Uptake for Public Water Supply, within designated proximity to project. If NO, do not send SERP materials to DOH. Engineering-Plans are required in order to confirm this project will not impact wells/septic in proximity to project.</p>	No impact
<b>Scenic resources</b>	<p>Wild and scenic rivers: 0</p> <p>Virginia Byways: 0</p> <p>DCR's Virginia Outdoors Plan was searched for potential impacts to Wild and Scenic Rivers. Virginia Byways Map was searched for potential impacts to State Scenic Byways. These resources are not present within or adjacent to the project area.</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	No impact
<b>Threatened or endangered species</b>	<p>DGIF identified a FE, FT, SE or ST terrestrial or aquatic species in their Collections database within a 2 mile radius of the project, therefore the project is under review by VDOT's Biologist : N</p> <p>DCR identified a FE, FT, SE or ST plant or insect species in the VDACS/DCR database, therefore the project is under review by VDOT's Biologist : N</p>	

	<p>VDOT's Biologist has reviewed the available information and determined the Level of Impact at this stage : N</p> <p>Comments: DCR/VDACS( 02/09/2005 )Under a Memorandum of Agreement established between the Virginia Department of Agriculture and Consumer Services (VDACS) and the Virginia Department of Conservation and Recreation, DCR represents VDACS in comments regarding potential impacts on state-listed threatened and endangered plant and insect species. The current activity will not affect any documented state-listed plants or insects.</p> <p>VDOT (02/18/2005 )-A two-mile radius search was conducted on the Department of Game and Inland Fisheries Online Fish and Wildlife Information Service to identify any threatened or endangered species.</p> <p>DGIF ( )-VDOT (02/18/2005): Based on VDGIF Database Search, there are no impacts anticipated.</p>	No impact
<b>Natural heritage resources</b>	<p>Documented? : N</p> <p>Site visit performed by DCR? : N</p> <p>Date Site visit performed? :</p> <p>Comments: DCR (02/09/2005)- According to the information currently in our files, natural heritage resources have not been documented in the project area.</p>	No impact
<b>Trout waters</b>	<p>Location : N/A.</p> <p>A search of VDGIF's online Fish and Wildlife Information Service database revealed no trout waters within 2 miles of the protection area.</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	No impact
<b>Anadromous fish</b>	<p>Location : James River</p> <p>A search of VDGIF's online Fish and Wildlife Information Service database revealed the above listed anadromous fish waters within 2 miles of the protection area.</p> <p>Comments: VDOT (02/18/2005): Engineering Plans not provided to date. Additional right of way will be acquired. VDOT GIS-Integrator via CEDAR reported this resource within designated proximity to project. Engineering-Plans are required in order to confirm this project will not impact this resource.</p>	Unknown
<b>Known shellfish grounds</b>	<p>Location : N/A.</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this</p>	No impact

	resource.	
<b>100-year floodplain areas</b>	<p>FEMA FIRM Community Panel Number : 5101290005A</p> <p>Within 100-year floodplain ? N</p> <p>Comments: FEMA FIRM Community Panel Number (510129-0005 A)</p>	No impact
<b>Existing public access to waterways</b>	<p>Access Exist? : N</p> <p>Recreation Use Bridge N/A.</p> <p>The bridge listed in the Inventory of Bridges with Recreational Use provided by DCR.</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	No impact
<b>Federal Property</b>	<p>Name or Location : N/A.</p> <p>Comments: VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.</p>	No impact
<b>Historic resource</b>	<p>Previously recorded architectural resources ? : No</p> <p>Previously recorded archaeological resources ? : No</p> <p>Area of Potential Effects : The area of potential effect (APE) for below-ground resources is defined as the construction footprint; the proposed right of way and any temporary or permanent easements associated with the project. The area of potential effect (APE) for above-ground resources is defined as the area within one-tenth mile of the center-line of</p>	Cannot Be Concluded in SERP

	<p>proposed new construction, including properties that overlap or abut the project's proposed right-of-way; excepting those areas defined by existing modern construction.</p>	
	<p>Effect determination : Cannot Be Concluded in SERP</p> <p>Studies Needed to ID Historic Properties : BOTH ARCHIT. AND ARCHAEO.</p> <p>Comments : Locality managed project.</p>	
<b>Water quality permits</b>	<p>Streams involved? N</p> <p>If yes, name of stream(s):</p> <p>If yes, streamflow is:</p>	No impact
	<p>Wetlands involved? : N</p> <p>If yes, amount of impact:</p>	No impact
	<p>Are permits required? : Undetermined</p> <p>If yes, type of permit required :</p>	
	<p>Comments : VMRC (-) [01/13/2005]: According to VDOT-SERP Agency Coordination Website, VMRC has no jurisdiction over this area and therefore has no comments on this project.</p>	
	<p>DEQ-Water : (01/25/2005)-Based on the scope of work an onsite survey should be conducted to determine the location, extent, and type of surface waters present. VDOT should avoid and minimize impacts to surface waters to the greatest extent practicable. Compensation for unavoidable impacts may be required. Based on the information provided, a VWP Permit may be required for unavoidable impacts to surface waters. DEQ does not need to receive the PEI. If the project involves a bridge or culvert installation or replacement, VDOT should determine if natural stream channel design measures can be employed. Address the feasibility of installing instream structures such as a crossvane and/or constructing bankfull benches and/or recreating pre-existing streambanks. If the project involves bank</p>	

stabilization using riprap or other channel “hardening” measures, VDOT should determine if natural stream channel design measures can be employed. Address the feasibility of installing instream structures such as J-hook vanes and/or constructing a bankfull bench. VDOT should attempt to eliminate or reduce the amount of riprap to the greatest extent possible. VDOT GIS-Integrator via CEDAR did not report this resource within the proposed project area. This project is not anticipated to result in impact to this resource.

**Overall Project Comments:**

The findings in this PEI are a preliminary step in gathering environmental information about the human and natural resources in the project study area. Continuing coordination with agencies will be necessary to verify further need for studies, surveys, permit types, and clearances. The PEI is not a substitute for the studies and agency coordination necessary to identify specific project impacts. City of Richmond Administered Project.