

Preliminary Environmental Inventory

Project Information					
IPM ID #:	107259	Date:	07/24/2019	District SERP Coordinator: Hedges, Richard	
Project Name:	Downtown Suffolk Drainage Improvements	Field Review Date:	06/06/2019	Field Review Conducted By: Hedges, Richard L	
Route:	0	City/County:	Suffolk	Zip code:	
Road Type:	Urban	Lat:	36°43' 42"	Long: -76°35' 14"	
VDOT Prj #:	U000-133-R84	Project Administered by Local Government:		Yes	
Limits From:	Citywide	Target Advertisement Date:		09/18/2020	
Limits to:	Various Locations	Funding Source:			
Additional Project Description:		The purpose of this project is to design and construct the roadway and drainage improvements for roadway flooding in the downtown area on Charles Street, Lee Street, and Jackson Street. The improvements will include a Stormwater Management Facility, installation of a stormwater pipe, curb and gutter, landscaping and sidewalks.			
Project Type:	Construction	Location Of Work:	Work within existing corridor	Road Conditions: Existing Proposed	
			Pavement Width (ft)	None Specified	
			Right-of-way-width (ft)		
			Bridge/drainage structure?		
Resource Information					
Resource	Detailed Resource Information			Level Of Impact	
Potential commercial, residential, or non-profit displacements	#Commercial:	0	#Residential:	0	No Impact
	#Non-Profit:	0	#Industrial:	0	
	Comments:	VDOT Documents - This project will not involve displacements.			
Known hazardous materials/waste sites/landfills	Recorded hazmat sites:	26	Observed or potential sites:	0	Cannot be Concluded in SERP
	DEQ's Real Estate Search Information 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 06/05/2019. This search resulted in the identification of the potential for hazardous material sites within the				

project area.

Comments:

DEQ 7/1/19 - Division of Land Protection & Revitalization (DLPR) staff conducted a search (200 foot radius) of solid and hazardous waste databases (including petroleum releases) to identify waste sites in close proximity to the project areas. DLPR staff has reviewed the submittal and offers the following comments: Hazardous Waste/RCRA Facilities- none in close proximity of the project area. CERCLA Sites- none in the zip code of the project area. Formerly Used Defense Sites (FUDS) - none in close proximity of the project area. Solid Waste- none in close proximity of the project area. Virginia Remediation Program (VRP)- none in close proximity of the project area. Any soil that is suspected of contamination or wastes that are generated must be tested and disposed of in accordance with applicable Federal, State, and local laws and regulations. Some of the applicable state laws and regulations are: Virginia Waste Management Act, Code of Virginia Section 10.1-1400 et seq.; Virginia Hazardous Waste Management Regulations (VHWMR) (9VAC 20-60); Virginia Solid Waste Management Regulations (VSWMR) (9VAC 20-81); Virginia Regulations for the Transportation of Hazardous Materials (9VAC 20-110). Some of the applicable Federal laws and regulations are: the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. Section 6901 et seq., and the applicable regulations contained in Title 40 of the Code of Federal Regulations; and the U.S. Department of Transportation Rules for Transportation of Hazardous Materials, 49 CFR Part 107. Please note that DEQ encourages all construction projects and facilities to implement pollution prevention principles, including the reduction, reuse, and recycling of all solid wastes generated. All generation of hazardous wastes should be minimized and handled appropriately. If you have any questions or need further information, please contact Carlos Martinez at (804) 698-4575. All construction and demolition waste, including any excess soil, must be characterized in accordance with the Virginia Hazardous Waste Management Regulations and disposed of at an appropriate

facility as applicable. For additional information, contact Jeff Deibler DEQ-TRO at (757) 518-2182. VDOT HazMat 7/8/19 - This is a locality administered project and the locality will make the Hazardous Materials clearance prior to advertisement.

<p>Known underground storage tanks</p>	<p>Recorded tank sites: 156</p> <p>Observed or potential sites: 6</p> <p>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 06/06/2019. This search resulted in the identification of the potential for underground storage tanks within the project area.</p> <p>Comments: DEQ 7/1/19 - Division of Land Protection & Revitalization (DLPR) staff conducted a search (200 foot radius) of solid and hazardous waste databases (including petroleum releases) to identify waste sites in close proximity to the project areas. DLPR staff has reviewed the submittal and offers the following comments: Petroleum Releases - Six (6) in close proximity of the project area. 1. PC Number 20135133, Suffolk Municipal Center Building Site, 444 W Washington St, Suffolk, Virginia 23434. Release Date: 05/16/2013, Status: Closed. 2. PC Number 20145204, 147 W Washington St Property, 121 W Washington St, Suffolk, Virginia 23434. Release Date: 05/14/2014, Status: Closed. 3. PC Number 19997407, Cross Realty Property, 215 Jackson St, Suffolk, Virginia 23434. Release Date: 12/30/1998, Status: Closed. 4. PC Number 20055120, Damiani Andrew Property, 163 Saratoga St, Suffolk, Virginia 23434. Release Date: 01/13/2005, Status: Closed. 5. PC Number 20015066, Pierce Bernice Residence, 200 Eley Street, Suffolk, Virginia 23434. Release Date: 03/29/2001, Status: Closed. 6. PC Number 19943197, Empire Machinery, 207 S Saratoga St, Suffolk, Virginia 23434. Release Date: 03/30/1994, Status: Closed. Please note that the DEQ's Pollution Complaint (PC) cases identified should be further evaluated by the project engineer or manager to establish the exact location, nature and extent of the petroleum release and the potential to impact the</p>	<p>Cannot be Concluded in SERP</p>
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Agricultural/forestal districts	Number of agricultural districts: 0 Number of forestal districts: 0 Anticipated # of acres impacted in Agricultural/forestal operation: 66001 Anticipated # of acres impacted in Agricultural/forestal district: 0 Comments: VDOT Documents - GIS Database search did not identify any agricultural/forestal (AFD) locations within the project's area of potential effect.	No Impact
Farm land	Name or Location of farm: Acres impacted: Comments: VDOT Documents - The project is not located within farmland.	No Impact
Forest land	Name or Location of forest: Acres impacted: Comments: DOF ()- VDOT Documents - GIS Database search identified forest cover within 1.0 mile of the project limits. The locality will be responsible for coordination with the Department of Forestry (DOF) to make a determination. DOF has not provided comments.	Cannot be Concluded in SERP
Existing open space easement	Number and locations of easements: Comments: VOF ()- VDOT Documents - No existing open space easements were found within 1.0 mile of the project area based on the GIS Database search (Virginia Outdoor Foundation).	No Impact
Geology of site	Location of areas of concern: Comments: DMME ()- VDOT Documents - GIS Database search identified the following features: Chesapeake Group, Shirley Formation, Holocene alluvium, Chuckatuck Formation and Sedgefield Member. The locality will be responsible for coordination with the Department of Mines, Minerals and Energy to make a determination.	Cannot be Concluded in SERP
Public water supply	Location of public water supply: 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	No Impact

	public water supplies on 06/05/2019. This search resulted in the identification of no public water supplies within the project area.	
	Comments: VDOT Documents - GIS Database search did not identify wells and springs protection zones within 1.0 mile of the project area.	
Scenic resources	<p>Wild and scenic rivers:</p> <p>Virginia Byways:</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 Documents - According to the review of the byways map and VOP, no wild and scenic rivers or Virginia State Byways were identified within the project area.</p>	No Impact
Threatened or endangered species	<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(06/06/2019)The current activity will not affect any documented state-listed plants or insects.</p> <p>VDOT (06/05/2019)-A two-mile radius search was conducted to identify any threatened or endangered species.</p> <p>The following T&E species are documented within the 2 mile search radius - - Source: T&E Form.</p> <p>Mabee's salamander</p> <p>DGIF ()-VDOT Documents - DGIF has not provided comments. The locality will be responsible for coordination with the resource agencies to make a determination.</p>	Cannot be Concluded in SERP
Natural heritage resources	<p>Documented? : N</p> <p>Site visit performed by DCR? : N</p> <p>Date Site visit performed? :</p> <p>Comments: DCR (06/06/2019)- The project mapped as part of this report has been searched against the Department of Conservation and Recreation's Biotics Data System for occurrences of natural heritage resources</p>	No Impact

in the vicinity of the area indicated for this project. Natural heritage resources are defined as the habitat of rare, threatened, or endangered plant and animal species, unique or exemplary natural communities, and significant geologic formations. According to the information currently in Biotics, natural heritage resources have not been documented within the submitted project boundary including a 100 foot buffer. In addition, the project area does not intersect any of the predictive models identifying potential habitat for natural heritage resources.

Trout waters	<p>Location :</p> <p>A search of VDGIF's online Fish and Wildlife Information Service database revealed no trout waters within 2 miles of the project area.</p> <p>Comments: DGIF Database search did not identify any trout water locations within 2.0 miles of the project area.</p>	No Impact
Anadromous fish	<p>Location : Shingle Creek, Nansemond 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 project area.</p> <p>Comments: DGIF Database search identified two anadromous fish locations within 2.0 miles of the project area. The locality will be responsible for coordination with the resource agencies to make a determination.</p>	Cannot be Concluded in SERP
Known shellfish grounds	<p>Location :</p> <p>Comments: The Virginia Marine Resources Commission (VMRC) was not contacted for the purpose of this project as it does not involve a waterbody with a drainage area exceeding five square miles.</p>	No Impact
100-year floodplain areas	<p>FEMA FIRM Community Panel Number : 5101560227E</p> <p>Within 100-year floodplain ? N</p> <p>Comments: VDOT Documents - The project is located in Zone X.</p>	No Impact
Existing public access to waterways	<p>Access Exist? : N</p> <p>Recreation Use Bridge</p> <p>There is no bridge.</p> <p>Comments: VDOT Documents - Access to public waterways is unavailable in the project area.</p>	No Impact
Federal Property	Name or Location :	No Impact

Comments: VDOT Documents - This project does not involve federal property.

Historic resource

Previously recorded architectural resources ? : Yes
 Previously recorded archaeological resources ? : No
 Area of Potential Effects : The APE is the geographic area within which a project may cause alterations to the character or use of historic properties, if any are present. For archaeology, the APE is the limits of ground disturbing activities, including all easements - construction, drainage, utility, etc. For architecture, the APE is the area to be directly and indirectly impacted by the project, including the area of the proposed storm water facility.
 Effect determination :
 Studies Needed to ID Historic Properties :
 Comments : It will be the responsibility of the locality to consult directly with the VDHR to resolve issues concerning project effects on historic properties.

Water quality permits

Streams involved?	N
If yes, name of stream(s):	
If yes, streamflow is:	
Wetlands involved? :	N
If yes, amount of impact:	
Are permits required? :	N
If yes, type of permit required :	
Comments :	VMRC (-) - Virginia Marines Resources Commission (VMRC) was not contacted for the purpose of this project as it does not involve a waterbody with a drainage area exceeding five square miles.

Cannot be Concluded in SERP

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(07/01/2019)-Based on the scope of work, an onsite survey should be conducted to determine the location, extent, and type of surface waters present. Avoid and minimize impacts to surface waters to the greatest extent practicable. Based on the information provided, a VWP Permit may be required for unavoidable impacts to surface waters. Compensation for unavoidable impacts may be required. If the project involves a bridge or culvert installation or replacement, determine if natural stream channel design measures can be employed. During demolition

	<p>of the existing bridge, all equipment and waste materials must be retained and prevented from entering surface waters. Address the feasibility of installing instream structures such as a crossvane and/or constructing bankfull benches and/or recreating pre-existing streambanks. Applicant should attempt to eliminate or reduce the amount of riprap to the greatest extent possible. Potential adverse impacts to water quality and wetlands resulting from surface runoff due to construction activities must be minimized. This can be achieved by using Best Management Practices (BMPs).</p> <p>DEQ-Water : Permanent or temporary impacts to surface waters and wetlands may require a permit pursuant to §401 of the Clean Water Act, Virginia Code §62.1-44.15:20, and Virginia Administrative Code 9 VAC 25-210-10 et seq. Provided that any and all necessary permits are obtained and complied with, the project will be consistent with DEQ program requirements. The project may require a VPDES construction general permit. Please contact DEQ Central Office for additional information. There does not appear to be any other permit requirements under the VPDES permit regulations applicable to the activity described in this document.</p>	
	<p>VDOT Comments : Based on a review of VDOT's Geographic Information System, streams or wetlands are mapped in the vicinity of the project. The Locality/PPTA Contractor administering this project is responsible for verifying the permit needs of the project. The Locality/PPTA Contractor is also responsible for acquiring and complying with all applicable water quality permit requirements. Information on how to comply with these requirements can be found at http://www.virginiadot.org/business/locally_administered_projects_manual.asp.</p>	

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. Project design will include all practicable measures to minimize harm to threatened or endangered species. Project design will include all practicable measures to avoid encroachment on wetlands, and if not possible, minimize those encroachments to the maximum extent practicable. Strict erosion and sediment control measures are employed and monitored by VDOT on all road

construction projects. This project will be constructed in accordance with the Erosion and Sediment Control Laws and with the Stormwater Management Regulations to ensure the protection of public waters.