



Locally Administered Projects (LAP) Manual

PART 4

Sample Documents and Submittals



PART 4

Submittal Samples

Locally Administered
Projects (LAP) Manual

PART 4 – SUBMITTAL SAMPLES

Locally Administered Project Required Locality Submittals Federal-aid Projects

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Programming Resolution

**CITY OF BRISTOL
URBAN PROJECT PROGRAMMING RESOLUTION
CONSTRUCTION OF RESTING TREE DRIVE AND SIGNALIZATION OF THE INTERSECTION OF
REALIGNED MOUNT VERNON DRIVE, RESTING TREE DRIVE AND LEE HIGHWAY
INCLUDING A BRIDGE OVER BEAVER CREEK**

WHEREAS, in accordance with Virginia Department of Transportation construction allocation procedures, it is necessary that a request by Council resolution be made in order that the Department program a locally administered urban highway project in the City of Bristol; and,

WHEREAS, also in accordance with Virginia Department of Transportation construction allocation procedures, a public hearing was conducted before the City Council for the City of Bristol, meeting in regular session on Tuesday, October 28, 2008, on the locally administered urban highway project; and

WHEREAS, also in accordance with Virginia Department of Transportation construction allocation procedures, it is necessary for the City of Bristol and the Virginia Department of Transportation to enter into an agreement to effect the execution of the locally administered urban highway project; and,

WHEREAS, it is necessary for an official of the City of Bristol to be authorized by the Council for the City of Bristol to execute the agreement on behalf of the City.

NOW, THEREFORE BE IT RESOLVED, that the City Council of Bristol requests that the Virginia Department of Transportation establish a locally administered urban project for the construction of Resting Tree Drive and the signalization of the intersection of realigned Mount Vernon Drive, Resting Tree Drive and Lee Highway, including a bridge over Beaver Creek; and

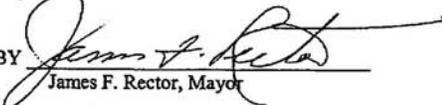
BE IT FURTHER RESOLVED, that the City of Bristol requests that the Virginia Department of Transportation reallocate sufficient funds from the Kings Mill Pike Widening Project, UPC No. 52051, to fund the locally administered urban project herein requested; and

BE IT FURTHER RESOLVED, that the City of Bristol agrees to pay its share of the total cost for preliminary engineering, right-of-way and construction of this project in accordance with Section 33.1-44 of the Code of Virginia, and that, if the City of Bristol subsequently elects to cancel this project, the City of Bristol hereby agrees to reimburse the Virginia Department of Transportation for the total amount of the costs expended by the Department through the date the Department is notified of such cancellation; and.

BE IT FURTHER RESOLVED, that the City Manager for the City of Bristol is hereby authorized to execute the agreement between the Virginia Department of Transportation and the City of Bristol for the prosecution of the locally administered urban project hereinabove requested.

Adopted this 28th day of October, 2008

City of Bristol

BY 
James F. Rector, Mayor

ATTEST:


Clerk of Council

The Clerk of the City Council
of the City of Bristol, Virginia, hereby
certifies that the foregoing constitutes a true
and correct extract from the Minutes of a
meeting of the City Council held on
October 28, 2008

Request to Administer Form (RtA)

Request to Administer Project

To: Urban Program Manager (for urban highway system projects)
 Residency Administrator (for primary system, secondary system, and access projects.)

Visit <http://www.virginiadot.org/business/local-assistance-directory.asp> to determine the responsible Urban Program Manager or <http://www.virginiadot.org/info/service/contact-us.asp#local> for Residency Administrator by locality.

From: Sandy Wanner, County Administrator sbwanner@james-city.va.us 757-253-6603
 (Responsible Local Official Issuing Request) (Email Address) (Phone)

Signature (Typed when e-mailed) By: Sandy Wanner Date: 11/13/08

Locality		James City County	
Project Number / UPC	90435	Narrative Description	Intersection Improvements and Turn Lanes
0614-047-581			
Local Contact	Name: Shawn Gordon, Capial Projects. Coord.	Phone:	757-259-4081
(if different from above)	Email: SHAWNG@james-city.va.us		
<input checked="" type="checkbox"/> New Project Administration Request		<input type="checkbox"/> Revised Scope of Work for Previous Request	
We are interested in administering the following phase/phases of the above reference project:			
<input checked="" type="checkbox"/> PE <input checked="" type="checkbox"/> CN		If "other" phase is selected, describe scope of work proposed:	
<input checked="" type="checkbox"/> RW <input type="checkbox"/> Other			
Residency/Urban Program Manager and District Office Comments			
Residency/Urban Program Manager Funding Information and Comments (expands as required)	FEDERAL Funds <u>Currently</u> Allocated to Project <input checked="" type="checkbox"/>		
	Recommend for approval.		
	By: <u>T. M. Halcy</u>	Date: 11/17/08	
	Signature & Date (Typed when emailed)		
District PE Manager or Construction Engineer Comments (expands as required)	By: <u>[Signature]</u>		
	Date: 11/24/08		
When complete, transmit to Chief Engineer, copy to Residency/Urban Program Manager and Director of Local Assistance Division	VDOT Project Coordinator Assigned: C. Daliege		
	Phone: (757) 253-4032		
Chief Engineer's Approval			
Comments (expands as required):			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		By: <u>[Signature]</u>	
		Date: 12/18/08	
Signature & Date (Typed when emailed)			

Upon completion, transmit this form to the Local Assistance Division for distribution and development of an agreement. Submission of this form is not necessary for Enhancement projects, which are presumed administered by the locality. Use Ctrl-Enter to create paragraph breaks within comments.
 Sheet 1 of 1

Standard Project Administration Agreement (PAA)

STANDARD PROJECT ADMINISTRATION AGREEMENT

Project Number	UPC	Local Designation
SCTC-029-101, PE101	50007	Seven Corners Transit Center

THIS AGREEMENT, made and executed this 6th day of March, 2006 by and between the **County of Fairfax**, Virginia, hereinafter referred to as the LOCALITY and the Commonwealth of Virginia, Department of Transportation, hereinafter referred to as the DEPARTMENT.

WHEREAS, the LOCALITY has expressed its desire to administer the work described in Appendix A, and such work for each improvement shown is hereinafter referred to as a Project; and

WHEREAS, the funds shown in Appendix A have been allocated to finance each Project; and

WHEREAS, the LOCALITY will progress with the development of each Project so that any federal funds allocated to each Project may be obligated within three years of allocation to each Project in accordance with the current Statewide Transportation Improvement Program, unless otherwise specified in writing by the Department; and

WHEREAS, both parties have concurred in the LOCALITY's general administration of the phase(s) of work for the respective Project(s) listed in Appendix A in accordance with applicable federal, state, and local law and regulations.

NOW THEREFORE, in consideration of the mutual premises contained herein, the parties hereto agree as follows:

1. The LOCALITY shall:
 - a. Be responsible for all activities necessary to complete the noted phase of each Project shown in Appendix A, except the performance of the State Environmental Review Process (SERP), and coordinate with the DEPARTMENT for all reviews, approvals, and environmental actions and decisions, as required. Each Project will be designed and constructed to meet or exceed current American Association of State Highway and Transportation Officials standards or supplementary standards approved by the DEPARTMENT.
 - b. Receive prior written authorization from the DEPARTMENT to proceed with preliminary engineering, right-of-way acquisition and utility relocation, and construction phases of each Project.
 - c. Maintain accurate and complete records of each Project's development and documentation of all expenditures and make such information available for inspection or auditing by the DEPARTMENT. Records and documentation for items for which reimbursement will be requested shall be maintained for no less than three (3) years following acceptance of the final voucher on each Project, or

all such records and documentation may be turned over to the DEPARTMENT in a manner acceptable to the DEPARTMENT.

- d. No more frequently than monthly, submit invoices with supporting documentation to the DEPARTMENT in the form prescribed by the DEPARTMENT. The supporting documentation shall include copies of related vendor invoices paid by the LOCALITY and a to-date project summary schedule tracking payment requests and adjustments.
 - e. Subject to appropriation, reimburse the DEPARTMENT all Project expenses incurred by the DEPARTMENT if, due to action or inaction solely by the LOCALITY, federally funded Project expenditures incurred are not reimbursed by the Federal Highway Administration (FHWA), or reimbursements are required to be returned to the FHWA, or in the event the reimbursement provisions of Section 33.1-44 or Section 33.1-70.01 of the Code of Virginia, 1950, as amended, or other applicable provisions of federal, state, or local law or regulations require such reimbursement.
 - f. On Projects that the LOCALITY is providing the required match to state or federal funds, pay the DEPARTMENT the LOCALITY's match for eligible Project expenses incurred by the DEPARTMENT in the performance of activities set forth in paragraph 2.a.
 - g. Administer the Project in accordance with all applicable federal, state, or local laws and regulations.
 - h. Provide certification by a LOCALITY official that all LOCALITY administered Project activities have been performed in accordance with all federal, state, or local laws and regulations. If the locality expends over \$500,000 annually in federal funding, such certification shall include a copy of the LOCALITY's single program audit in accordance with Office of Management and Budget Circular A-133.
 - i. For Projects on facilities not maintained by the DEPARTMENT, provide, or have others provide, maintenance of the Project upon completion, unless otherwise agreed to by the DEPARTMENT.
2. The DEPARTMENT shall:
- a. Perform the SERP and provide guidance relative to the coordination of environmental commitments that result from the SERP, provide necessary coordination with the FHWA, and approve plans, specifications, advertisement documents, and contract awards as determined to be necessary by the DEPARTMENT.
 - b. Upon receipt of the LOCALITY's invoices pursuant to paragraph 1.d, reimburse the LOCALITY the cost of eligible Project expenses, as described in Appendix A. Such reimbursements shall be payable by the DEPARTMENT within 30 days of an acceptable submission by the LOCALITY.

Form Date: August 16, 2005

- c. If appropriate, submit invoices to the LOCALITY for the LOCALITY's share of eligible project expenses incurred by the DEPARTMENT in the performance of activities pursuant to paragraph 2.a.
 - d. Audit the LOCALITY's Project records and documentation as may be required to verify LOCALITY compliance with federal and state laws and regulations.
 - e. Make available to the LOCALITY guidelines to assist the parties in carrying out responsibilities under this Agreement.
3. Appendix A outlines the phases of work and general items to be administered by the LOCALITY. There may be additional elements that, once identified, shall be addressed by the parties hereto in writing, which may require an amendment to this Agreement.
 4. If designated by the DEPARTMENT, the LOCALITY is authorized to act as the DEPARTMENT's agent for the purpose of conducting survey work pursuant to Section 33.1-94 of the Code of Virginia, 1950, as amended.
 5. Nothing in this Agreement shall obligate the parties hereto to expend or provide any funds in excess of funds agreed upon in this Agreement or as shall have been appropriated. In the event the cost of a Project is anticipated to exceed the allocation shown for such respective Project on Appendix A, both parties agree to cooperate in providing additional funding for the Project or to terminate the Project before its costs exceed the allocated amount, however the DEPARTMENT and the LOCALITY shall not be obligated to provide additional funds beyond those appropriated and allocated.
 6. Nothing in this agreement shall be construed as a waiver of the LOCALITY's or the Commonwealth of Virginia's sovereign immunity.
 7. This agreement may be terminated by either party upon 30 days advance written notice. Eligible Project expenses incurred through the date of termination shall be reimbursed in accordance with paragraphs 1.e, 1.f, and 2.b, subject to the limitations established in this Agreement and Appendix A. Upon termination, the DEPARTMENT shall retain ownership of plans, specifications, and right of way, unless all state and federal funds provided for the Project have been reimbursed to the DEPARTMENT by the LOCALITY, in which case the LOCALITY will have ownership of the plans, specifications, and right of way, unless otherwise mutually agreed upon in writing.

THE LOCALITY and DEPARTMENT acknowledge and agree that this Agreement has been prepared jointly by the parties and shall be construed simply and in accordance with its fair meaning and not strictly for or against any party.

Form Date: August 16, 2005

THIS AGREEMENT, when properly executed, shall be binding upon both parties, their successors, and assigns.

THIS AGREEMENT may be modified in writing by mutual agreement of both parties.

IN WITNESS WHEREOF, each party hereto has caused this Agreement to be executed as of the day, month, and year first herein written.

County OF FAIRFAX, VIRGINIA:

Attest: _____ Date 12/20/05

Jo Ann Hawach _____ Date 12/20/05
Signature of Witness

NOTE: The official signing for the LOCALITY must attach a certified copy of his or her authority to execute this agreement.

COMMONWEALTH OF VIRGINIA, DEPARTMENT OF TRANSPORTATION:

Gregory A. White _____ Date 3/6/06
Acting Commonwealth Transportation Commissioner
Commonwealth of Virginia
Department of Transportation

Carol A. Mathis _____ Date 3/6/06
Signature of Witness

Attachments
Appendix A for **SCTC-029-101, PE101 (# 50007)**

Project Number: SCTC-029-101, PE101 (UPC 50007) Locality: Fairfax County

Project Narrative	
Scope:	This project will design and construct a transit transfer center on the Seven Corners Shopping Center site.
From:	At Seven Corners Shopping Center parking lot.
To:	---
PROJECT NARRATIVE:	
The Seven Corners Shopping Center serves as a transportation hub for citizens in the area. With sixteen Metrobus routes operating in the shopping center, and more than 2,000 riders boarding and alighting buses at the shopping center each day, the current bus shelters have deteriorated and are not adequately meeting the demand. The Seven Corners Shopping Center is also a major transfer point for many passengers and the existing shelters and amenities are severely insufficient to accommodate their needs. In addition, the Fairfax County Comprehensive Plan calls for a transit center to be constructed at the Seven Corners Shopping Center.	
Locality Project Manager Contact Info: Doug MacTavish, 703-324-1192; <u>Doug.MacTavish@fairfaxcounty.gov</u>	
Department Project Coordinator Contact Info: Nassre Obeed, 703-383-2187; <u>Nassre.Obeed@vdot.virginia.gov</u>	

Project Costs and Reimbursement				
Phase	Estimated Project Costs	Estimated Eligible Project Costs	Estimated Eligible VDOT Project Expenses	Estimated Reimbursement to Locality
Preliminary Engineering	\$150,000	\$150,000	\$10,000	\$110,000
Right-of-Way & Utilities	\$50,000	\$50,000	\$5,000	\$35,000
Construction	\$800,000	\$800,000	\$10,000	\$630,000
Total Estimated Cost	\$1,000,000	\$1,000,000	\$25,000	\$775,000

Total Maximum Reimbursement by Locality to VDOT	0
Total Maximum Reimbursement by VDOT to Locality	\$775,000

Project Financing				
A	B	C	D	E
FY1999 CMAQ	FY2001 CMAQ	County General Fund	<fund source D>	Aggregate Allocations (A+B+C+D)
\$240,000	\$560,000	\$200,000		\$1,000,000

Form Date: August 16, 2005

Program and Project Specific Funding Requirements

COUNTY will be responsible for providing match to federal CMAQ allocations:

1. Bill VDOT for 80% of total project costs but provide documentation showing 100% of expenditures, and
2. VDOT to subtract match for VDOT activities on project (such as SERP processing and project oversight) from amount to be reimbursed to COUNTY.

Project will be administered in conformity w/ the standards set forth in the VDOT Guide for the Local Administration of Projects.

This attachment is certified and made an official attachment to this document by the parties of this agreement

AH Gifford - 12/29/05
Authorized Locality Official and date

Leonard Singh Jr.
Residency Administrator's/Urban Program Manager's
Recommendation and date

Authority to Sign

RESOLUTION

At a regular meeting of the Board of Supervisors of Fairfax County, Virginia, held in the Board Auditorium in the Fairfax County Government Center of Fairfax, Virginia on Monday, February 26, 2007, at which meeting a quorum was present and voting, the following resolution was adopted.

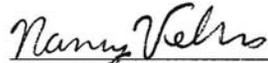
AGREEMENT EXECUTION RESOLUTION

WHEREAS, in accordance with Virginia Department of Transportation project agreement procedures, it is necessary that a resolution be received from the local government authorizing execution of an agreement.

NOW, THEREFORE, BE IT RESOLVED that the County of Fairfax authorizes County staff to execute an Agreement with the Virginia Department of Transportation for County-funded Roadway Improvements to Gunston Cove Road Bridge Over the CSX Railroad.

Adopted this 26th day of February, 2007, Fairfax, Virginia

A Copy – Teste:



Nancy Vehr
Clerk to the Board of Supervisors

Virginia Department of Transportation - PROJECT EARLY NOTIFICATION

IPM ID: 71725	<i>For use by Environmental staff only:</i>
Route:	
VDOT Project #: U000-128-133, C501, P101	
VDOT Charge #:	
City/County: Roanoke (City)	
Zip Code: 24012	
Latitude: 37°17'21"	
Longitude: -79°57'07"	
Project Limits(USGS topo map indicated termini required):	
From: LICK RUN CREEK	
To: 170 FEET SOUTH OF SYRACUSE AVENUE	
Length of Project: 20 Feet	
Date received by Environmental	
IECC Notification Date:	
EQ429 Suspension Date:	
Engineer Point of Contact:	
Division/District/Residency: /Salem/Salem	
Date Submitted To Environmental: 11/01/2006	
Is local government administering PE, R/W, or Construction? Yes	
Funding Source: Federal	
Target Advertisement date: 09/28/2007	
SERP Coordinator: Davis, Fred	

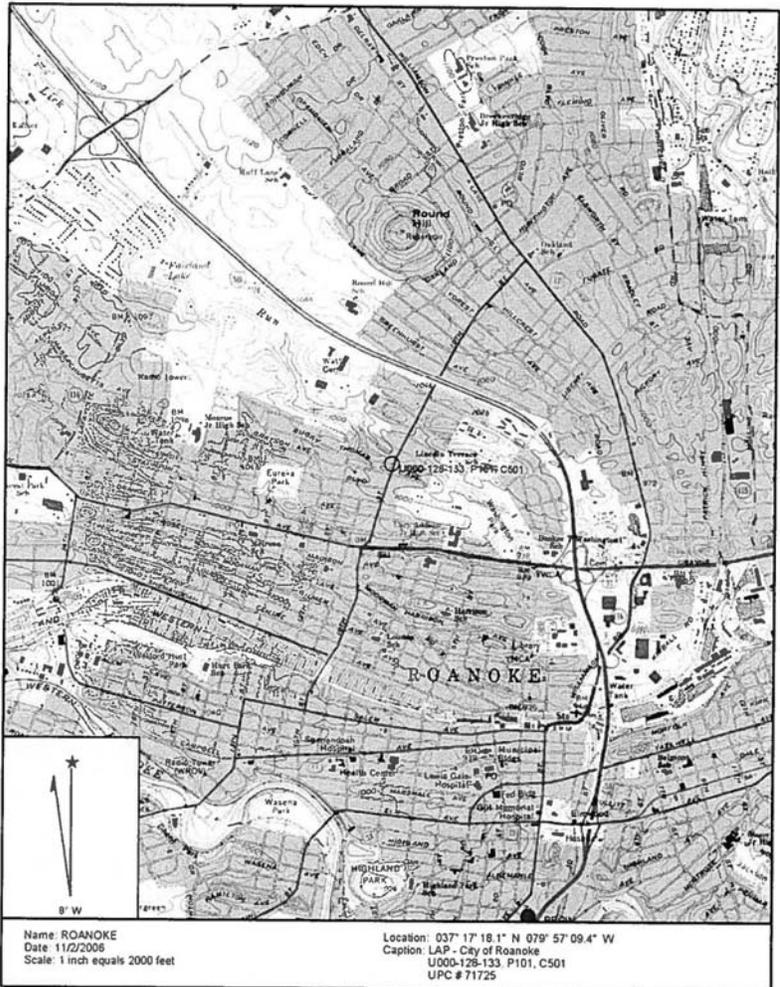
Project description and comments (be as specific as possible): Construct 2-stage crossing of 10th Street with warning devices; includes purchase & installation of traffic control equipment to provide additional safety features for pedestrian crossing. Physical construction of crossing accomplished during construction of Lick Run Greenway and is not part of this project. All work to be completed within existing right-of-way.

Road Type:	Type of project:	Location of work:
Interstate	Construction X	Working within existing corridor X
Primary	Maintenance/Replacement	Changes to existing alignment
Secondary	Maintenance	Work on new location
Urban X	Railroad	
Other	Roadway work included: No	
	Constructed by:	

Road Conditions	Existing Conditions (must be completed)	Proposed Conditions (must be completed)
Pavement width (ft/m)	12	12
Number of traffic lanes	2	2
Right-of-way width (ft/m)	50	50

Stream Crossing(s)	Name of stream(s) crossed: Drainage Area:	Hydrologic Unit Code:
Existing bridge(s)/drainage structure(s)	Bridge/Structure #:	Date Constructed:
Public park(s)	Name of facility: Lick Run Greenway	Degree of impact (if known): none
Forest(s)	Name of facility: Lick Run Greenway	Degree of impact (if known): none
Recreation area(s)	Name of facility: Lick Run Greenway	Degree of impact (if known): none

EQ429 Topo Map (2) 010206



LD430 – Project Scoping

LD – 430 (8-30-06)

Page 1 of 10

VIRGINIA DEPARTMENT OF TRANSPORTATION
 LOCATION AND DESIGN DIVISION
 INITIAL FIELD REVIEW AND SCOPING REPORT
 NOTE: A project location map (USGS) should be attached to this form.

PART A Date of Review: _____

Route RTE120 or Name of Facility RTE 120-South Glebe Road/I-395 Interchange Area

Project RTE 120-South Glebe Road/I-395 Interchange Area UPC 73282

From: 24th Road South (2400 Block., S. Glebe Road FHWA - 534 _____

To: West Glebe Road- I-395 Interchange Area

County, City or Town Arlington County, Virginia

District NOVA 6 Year Plan (Year) _____ Page _____ Line _____

Type of Facility: (Interstate, Primary, Urban, Secondary, Bridge, Bicycle, Other) Primary

PE Authorization Date _____ Type Plan Assembly (C,M,N) _____

Scheduled Advertisement Date _____

Amount Authorized for PE \$250,000

Type of Financing: State _____ Federal X Other _____

6 Yr. Plan Est.: PE	<u>\$250,000</u>	R/W	<u>\$100,000</u>	Const.	Est.	Total	<u>\$795,300</u>
			(Incl. Utilities)		<u>\$445,3000</u>		

Engineer's Est.: PE	<u>\$250,000</u>	R/W	<u>N/A</u>	Const.	<u>N/A</u>	Total	<u>N/A</u>
			(Incl. Utilities)				

Railroad Force Account Est.: _____

Description of Work: The PE phase of this project will perform a roadway capacity analysis that will address the future cross section pof South Glebe Road from wes of 24th Street South to West Glebe Road.

Design Speed 35 mph Functional Class. Arterial

Existing Traffic 45,000 ADT (Yr. 2005) % Trucks _____

Design Year Traffic _____ ADT (Yr. _____) DHV _____
 (if available)

Project Length 3000 ft> Alignment Length _____ Should utilities be designated? _____

3R Guidelines used? _____ If no, explain _____

Are you aware of the need for any 3R waivers or design exceptions? (Yes or No) N

If yes, attach separate documentation for approval with this LD-430 form.

Are you aware of any sinkholes along the project corridor? (Yes or No) N

GEOMETRICS:	Existing	Proposed	Existing	Proposed
No. of Lanes	<u>4-6</u>	_____	Lane Width, m/ft.	<u>11-12 ft</u>
Median Type	<u>Concrete</u>	_____	Curb & Gutter Location (one side, both)	<u>Yes</u>
Fill Shoulder, m/ft.	<u>N/A</u>	_____	Ditch Width, m/ft.	<u>N/A/</u>
Cut Shoulder, m/ft.	<u>N/A</u>	_____	Median Shoulder, m/ft.	<u>N/A</u>

Existing Pavement to be Used Yes

LD – 430 (8-30-06)

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PART A (cont.)

Widening Existing Pavement (one side, both) Existing Pavement Width m/ft

Widening Lt. m/ft. Widening Rt. m/ft.

Bicycle and Pedestrian Accommodations: Yes			
Does the locality have a biking or walking accommodations plan? (Yes or No) _____ Yes			
	<u>Existing</u>		<u>Proposed</u>
Sidewalk	_____ Width		_____ Width
Location	_____		_____
Shared Use Paths: (10' or 12')	_____ Width		_____ Width
Location	_____		_____
Is Shared Use Path meandering? (Yes or No) _____ (Yes or No) _____			
What is the additional Right-of-Way width necessary for proposed meandering pathways? _____			
Bicycle Lanes:	_____ Width		_____ Width
Location	_____		_____
Wide Outside Lane: (14' or 15')	_____ Width		_____ Width
Location	_____		_____
Please indicate "yes" by the following bicycle and pedestrian accommodations that apply:			
_____ paved shoulder	_____ shared lane	_____ pedestrian path	_____ crosswalk
_____ pedestrian signals	_____ median/refuge island	_____ curb ramp	_____ horse & buggy
_____ other	_____		
Was bicycle and pedestrian access to existing and proposed transit connections coordinated with DRPT? _____ (Yes or No)			
If yes, attach separate documentation supporting the coordination or include in the scoping meeting minutes.			
Note: If bicycle or pedestrian accommodations are not provided, please indicate "yes" by the exemption below that applies as described in section 3.4 of VDOT's "Policy for Integrating Bicycle and Pedestrian Accommodations". This policy is available on the web:			
http://www.virginiadot.org/info/service/resources/Policy%20on%20Integrating%20BP%20Accommodations.pdf			
The listing of VDOT Designed Bicycle and Pedestrian Accommodations is available on the web:			
http://www.virginiadot.org/info/service/resources/BPAccommodationsDefined.pdf			
The Bicycle and Pedestrian Accommodation Decision Process is available on the web:			
http://www.virginiadot.org/info/service/resources/BikePedExceptionsProcessV5.pdf			
_____	scarcity of population, travel, and attractors, both existing and future, indicate an absence of need		
_____	environmental or social impacts outweigh the need		
_____	safety would be compromised		
_____	total cost to appropriate system (i.e., interstate, primary, etc) is excessively disproportionate to need		
_____	purpose and scope of project do not facilitate the need for provision (e.g., Rural Rustic Road Program)		
_____	bicycle and pedestrian travel is prohibited by state or federal laws		

If one of the above conditions exists, you must attach the supporting documentation which establishes the exemption.

LD – 430 (8-30-06)

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Have Roundabouts been considered? (Yes or No) _____

Provide answers and input below, or on an attached sheet/file, concerning the following topics/questions:

1. Aesthetics / Context Sensitive Design: Identify items requested by Locality/Community that are anticipated, or are otherwise applicable to this project.
2. Landscape/Streetscape Plans (Street Trees/Planting Plans, paver crosswalks/sidewalks, street furniture, screening, etc.) Identify these items.
3. Other Special Aesthetic Considerations? (bridge aesthetics, wall treatments, architectural lighting, mitigation of impacts to historical and/or recreational features, community gateway). Identify these items.
4. Retention of selected parcels for aesthetic or environmental purposes.
5. Should Bio-retention (water quality) basins be considered for this project?
6. Does this project involve (or anticipated to involve) any Memorandum of Agreement (MOA) with any State, Federal, or private agency regarding special treatment or consideration of aesthetics or scenic quality for a corridor (or part thereof), bridge structure, view shed, historic property(s), etc. thus requiring mitigation of aesthetic impacts thereto? (Copy to L&D Landscape Architecture Section).

PART A (cont.)

Number Bridges Req'd. _____ Suff. Rating Exist. Bridges _____ Bridge Fencing Req'd. (Yes or No) _____

R/W Width _____ Purchase _____ Donation _____

Perform Recoverable Slope Study? (Yes or No) _____ If no, explain _____

List Necessary Design Exceptions: _____

Should a Value Engineering study on this project or specific elements be facilitated by Scheduling & Contract Division-VE Section?

Services Division? _____

Maintenance of Traffic Concerns:

Transportation Management Plan Category (See IIM-LD-241) _____ 1 _____ 2 _____ 3

Minimum width of lanes to be maintained: _____ ft./m Number of lanes to be maintained _____

Restrictions on lane or shoulder closures? (Yes or No) _____

Will Temporary Detours be considered? (Yes or No) _____

Design services provided by (Central Office, District, Consultant or other)? _____

Project Assigned to _____ Phone No. _____

Is this project being considered for development using an alternate delivery method (PPTA, Design-build, etc)? (Yes or No) _____

If so, has coordination been made with the Innovative Project Delivery Division? (Yes or No) _____

If so, point of contact is _____

Members of the Initial Field Review Team are as follows:

District Utilities Engineer _____

Residency _____

Location and Design Project Manager _____

Location and Design (Public Involvement) _____

Location and Design (Survey) _____

Location and Design (Hydraulics) _____

Location and Design Traffic Engineering Design Section _____

Location and Design Landscape Architecture Section (if applicable) _____

Locality (if applicable) _____

Programming Division _____

Local Assistance Division (if applicable) _____

Environmental Division (address items found on Form EQ-429) _____

Right of Way and Utilities Division _____

Traffic Engineering Division _____
 District Traffic Engineer _____
 Transportation and Mobility Planning Division _____
 Structure and Bridge Division _____
 Innovative Project Delivery Division _____
 Scheduling & Contract Division –Rail Section (if applicable) _____
 Scheduling & Contract Division _____
 Area Maintenance Engineer _____
 Materials Division _____
 FHWA _____
 District Construction Engineer or representative _____
 District Bicycle/Pedestrian Coordinator _____
 Director of Rail and Public Transportation _____

LD – 430 (8-30-06)

Page 5 of 10

PART A (cont.)

Survey Information Required

Provide a letter size map or photo showing the location of project. If possible, please include a large scale photo (minimum plan ratio 1:2000 or scale 1" = 200') to show the scope of the project.

Average width of terrain information required _____

List connections with length of survey needed _____

Does this project tie to or cross any other existing projects that are now in the survey, design, R/W, or Construction phase (Yes or No) _____

If yes, provide the following information:

Project _____

From: _____

To: _____

Project Manager _____ UPC _____

Project _____

From: _____

To: _____

Project Manager _____ UPC _____

Does the roadway project tie to an existing bridge and/or major box culvert or pass under an existing bridge? If so, please explain and request bridge situation plans at this time as well.

Any other information which should be included with survey request _____

Survey Authorized by: _____ Date _____

District Administrator (Secondary Projects)

Assistant L & D Engineer (other projects)

PART A (cont.)

Scope Approval

NOTE: The following signatures constitute Scope approval for those projects that the Project Manager concludes no further studies are required to determine Scope. Part C of this form will be completed for Final Scope approval of those more complex projects (including Secondaries) that the Project Manager determines survey is necessary to conduct concept studies and hold a Preliminary Plan Review before establishing Scope.

Will PART C be completed for this project? (Yes or No) _____

Secondary System

Approved by: _____ Date: _____

District Construction Engineer

Approved by: _____ Date: _____

District Administrator

Concurrence by: _____ Date: _____

Programming Division Director

Interstate, Primary or Urban Systems

Approved by: _____ Date: _____

District Administrator

Approved by: _____ Date: _____

Assistant Location & Design Engineer

Approved by: _____ Date: _____

Programming Division Director

Approved by: _____ Date: _____

Local Assistance Division Director

Comments: _____

After approval by Scoping Group please return completed form to:

Project Manager

The Project Manager will distribute copies of this report to the following upon completion:

- District Administrator
- District Construction Engineer
- Residency Administrator
- Location and Design Project Manager
- Programming Division Director
- Innovative Project Delivery Director
- State Scheduling and Contract Division Engineer
- Local Assistance Division Director (if applicable)
- District Location and Design Engineer
- State Survey Engineer
- Scheduling & Contract Division-Value Engineering Section
- Management Services Division Administrator
- FHWA

- Initial Field Review Team Members
- State Environmental Administrator
- Right of Way and Utilities Division,
(Project Scheduling and Certification Section)
- State Traffic Engineer
- Program Manager (Traffic Engineering Design)
- State Transportation Planning Engineer
- State Bicycle/Pedestrian Coordinator
- State Structure and Bridge Engineer
- State Materials Engineer

PART B

This section of LD-430 should be completed to document information discussed at the Initial Field Review and should be included with information provided when project survey is requested.

Existing Conditions

Existing Posted Speed _____
 Surface of Facility _____

 Width of Facility _____ Ditch Width _____
 Cut Slope _____ Fill Slope _____
 Are existing slopes holding up? (Yes or No) _____
 Average width of existing Right of Way _____
 Businesses that may be taken (Yes or No) _____ If yes, number _____
 Homes that may be taken (Yes or No) _____ If yes, number _____
 Provide purpose and need for this project: _____

Is this improvement in a regional or local study (Yes or No) _____
 If yes, name of study _____

Major structures on this project

Give a short description of major structures (replacement, rehabilitation or new structure). For existing structures, also provide the four digit Virginia structure number, and the existing five digit structure ID number (Federal ID). Also, for new structures and replacement structures, provide the new five digit structure ID number(s).

Structure number:	1	2	3	4	5	6	7	8
four digit Virginia structure number:								
existing five digit structure ID number (Federal ID):								
new five digit structure ID number(s):								

Miscellaneous information

Is Railroad involved? (Yes or No) _____ If yes, what type of crossing is present? At grade _____
 or separated _____
 Are proffers or other financial arrangements anticipated? (Yes or No) _____ If yes, give source
 and amount _____

PART B (cont.)

Environmental impacts that may accrue on this project _____

Are you aware of any sinkholes along the project corridor? (Yes or No) _____

Are major utility conflicts or problems anticipated? (Yes or No) _____ If yes, please explain _____

Are utilities present that may be attached to bridges? (Yes or No) _____

Would this project be affected by any other project? (Yes or No) _____ If yes, please explain _____

Recommended Public Involvement for this project:

None _____ Explain _____

Information meeting (s) _____

Post Willingness _____

Public Hearing _____

Will maintenance of traffic be necessary for this project? (Yes or No) _____

Can a detour to another road be used? (Yes or No) _____

PART C

NOTE: Part C of Form 430 to be utilized for projects that will have the Scope approved after receipt of survey and holding of a Preliminary Plan Review.

Design Year Traffic (_____ Yr.) _____ ADT _____ DHV _____ % Trucks

Existing Level of Service _____ Proposed Level of Service _____

Describe any changes in geometric design since Initial Field Review _____

Describe the proposed project (i.e. four lane divided, limited access, etc.) _____

Were Alternate Designs Considered? _____ If so, why was this specific design selected? _____

Was a Recoverable Slope Study conducted? (Yes or No). _____ If Study was conducted will

Recoverable Slopes be provided? _____ If not provided, explain why _____

Est. Cost: PE _____ R/W _____ Const. _____

(incl. utilities)

Date of Preliminary Field Inspection _____

Members of the Preliminary Field Inspection Team are as follows:

District _____

Residency _____

Location and Design Division _____

Locality (if applicable) _____

Local Assistance Division (if applicable) _____

Scheduling & Contract Division _____

Environmental Division (address items found on Form EQ-429) _____

Right of Way and Utilities Division _____

Traffic Engineering Division _____

Location and Design Traffic Engineering Design Section _____

Location and Design Landscape Architecture Section _____

District Bicycle/Pedestrian Coordinator _____

(continued on next page)

PART C (cont.)

Transportation and Planning _____
 Structure and Bridge _____
 Scheduling & Contract Division-Rail Section (if applicable) _____
 Area Maintenance Engineer _____
 FHWA _____
 District Construction Engineer or representative _____
 Other _____

Scope Approval

Approved by: _____ Date _____
 District Construction Engineer (Secondaries Only)
 Approved by: _____ Date _____
 District Administrator
 Approved by: _____ Date _____
 Assistant Location & Design Engineer
 Approved by: _____ Date _____
 Programming Division Director
 Approved by: _____ Date _____
 Local Assistance Division Director (if applicable)

Comments: _____

After approval by Scoping Group please return completed form to:

Project Manager

The Project Manager will distribute copies of this report to the following upon completion:

- | | |
|--|--|
| District Administrator | Right of Way and Utilities Division,
(Project Scheduling and Certification Section) |
| District Construction Engineer | State Traffic Engineer |
| Residency Administrator | Program Manager (Traffic Engineering Design) |
| Location and Design Project Manager | State Transportation Planning Engineer |
| Programming Division Director | State Bicycle/Pedestrian Coordinator |
| State Scheduling and Contract Division Engineer | District Bicycle/Pedestrian Coordinator |
| Local Assistance Division Director (if applicable) | State Structure and Bridge Engineer |
| District Location and Design Engineer | State Materials Engineer |
| State Survey Engineer | Scheduling and Contract Division-Rail Section |
| Innovative Project Delivery Director | Initial Field Review Team Members |
| Scheduling and Contract Division-Value Engineering Section | FHWA |
| State Environmental Administrator | |

EQ-121 Hazardous Materials Due Diligence

Due Diligence EQ - 121

Revised 3/7/05

VIRGINIA DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS DUE DILIGENCE CERTIFICATION FOR LOCALLY-ADMINISTERED PROJECTS		FORM EQ -121	
		PPMS No.: 71725	
		Project No.: U000-128-133	
I. APPLICABILITY:			
This form must be completed by the locality and submitted (through the VDOT Project Coordinator) to the VDOT District Environmental Manager who will use this as documentation to support the Environmental Certification (Form EQ-103) and/or PS&E Re-evaluation (Form EQ-200) for any construction project. No project will receive certification to advance to construction until the form is received.			
II. CONDITIONS:			
The locality project manager shall complete this form when all hazardous materials-related issues have been identified and addressed for the project. It is not necessary that all hazardous materials issued be resolved prior to submission of this form, however, a plan must be in place to ensure resolution. This form must be submitted prior to acquiring project Right-of-Way. All existing right of way, or properties to be acquired for use as right of way, must receive an appropriate level of study. This includes existing VDOT right of way, locality-owned, proffered, or donated properties.			
III. CERTIFICATION:			
I hereby certify that:			
<p>(1) The City of Roanoke has performed studies, analyses, reviews and/or investigations of hazardous materials-related issues for all properties that it has acquired or intends to acquire for the <u>10th Street 2-stage crossing</u> project (PPMS No. <u>71725</u>). Such studies, investigations, etc. constitute an appropriate level of inquiry to identify the likely presence of any hazardous substances or petroleum products or conditions that indicate an existing release, a past release, or the material threat of a release of hazardous substances into the soil, groundwater or surface water of the property or adjacent properties, or the presence of such impairments associated with buildings or structures;</p> <p>(2) (Choose one of the following):</p> <p><input checked="" type="checkbox"/> No potential or actual contaminated environmental media or other environmental impairments that would affect construction were identified within the project right-of-way.</p> <p><input type="checkbox"/> Actual or potential environmental impairments have been noted on the following properties and as indicated, a cost estimate(s) of potential remediation/closure activities to meet state and/or federal regulations is provided as well as an indicator of any coordination made with the Virginia Department of Environmental Quality and/or the U.S. Environmental Protection Agency:</p>			
Property	Parcel Number	Agency Coordination?	Closure/Remediation Estimate
		<input type="checkbox"/> Yes <input type="checkbox"/> No	\$
		<input type="checkbox"/> Yes <input type="checkbox"/> No	\$
		<input type="checkbox"/> Yes <input type="checkbox"/> No	\$
		<input type="checkbox"/> Yes <input type="checkbox"/> No	\$
		<input type="checkbox"/> Yes <input type="checkbox"/> No	\$
		<input type="checkbox"/> Yes <input type="checkbox"/> No	\$
Attach additional pages as necessary.			
<p>(3) Where actual or potential environmental impairments have been identified, appropriate actions have been taken (or will be taken) to address these issues in terms of avoidance, containment, management, minimization or remediation. Where such actions are required to be taken during construction, appropriate contract provisions have been/will be developed to incorporate those costs as pay items in the contract.</p>			

Revised 3/7/05

- (4) Estimated costs for regulatory closure/remediation have been/will be taken into consideration in determining fair market value for properties to be acquired.
- (5) All structures will be inspected for the presence of asbestos-containing materials (ACM) and any regulated ACM will be removed in accordance with state and federal requirements.
- (6) The construction contractor will be made aware of any environmental issues that may be encountered during construction and will be provided access to any study results to assist the Contractor in developing and implementing appropriate Employee Health and Safety measures.

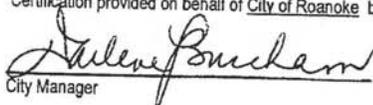
Certification provided on behalf of City of Roanoke by:


City Manager

Date: 7-6-07

EQ-555 Natural Resources Due Diligence

EQ - 555

VIRGINIA DEPARTMENT OF TRANSPORTATION WATER QUALITY PERMITS AND NATURAL RESOURCE DUE DILIGENCE CERTIFICATION FOR LOCALLY-ADMINISTERED PROJECTS	FORM EQ-555																														
	PPMS: 71725																														
	Project: U000-128-133																														
I. APPLICABILITY: This form must be completed by the locality and submitted (through the VDOT Project Coordinator) to the VDOT District Environmental Manager who will use this as documentation to support the Environmental Certification (Form EQ-103) for any construction project. No project will receive certification to advance to construction until the form is received.																															
II. CONDITIONS: The locality project manager shall complete this form when all required water quality permits, natural resources clearances, and approved erosion and sediment control plans are secured and addressed in the project construction documents. This form must be submitted prior to project advertisement.																															
III. CERTIFICATION: <u>Water Quality Permits:</u> The locality is responsible for obtaining all necessary water quality permits for this project prior to advertisement. Water Quality Permit(s) Requirements for the project are listed below and were determined by <u>(Insert Name)</u> .																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Permitting Agency</th> <th style="width: 15%;">Permit Required Yes/No</th> <th style="width: 15%;">Permit Type</th> <th style="width: 15%;">Permit Number</th> <th style="width: 15%;">Issued Date</th> <th style="width: 15%;">Expiration Date</th> </tr> </thead> <tbody> <tr> <td>Corps of Engineers</td> <td>No</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Department of Environmental Quality</td> <td>No</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Virginia Marine Resource Commission</td> <td>NA</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tennessee Valley Authority</td> <td>NA</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Permitting Agency	Permit Required Yes/No	Permit Type	Permit Number	Issued Date	Expiration Date	Corps of Engineers	No					Department of Environmental Quality	No					Virginia Marine Resource Commission	NA					Tennessee Valley Authority	NA				
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Corps of Engineers	No																														
Department of Environmental Quality	No																														
Virginia Marine Resource Commission	NA																														
Tennessee Valley Authority	NA																														
Attach Copy of all Permits Acquired for the project. Certification provided on behalf of <u>City of Roanoke</u> by: <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  City Manager </div> <div style="text-align: center;"> Date: <u>7-6-07</u> </div> </div>																															

Compensatory Mitigation

The locality is responsible for providing the water quality permit required compensatory mitigation for this project.

Is compensatory mitigation required for the unavoidable wetland and stream impacts? Yes No

If Yes, Complete below chart and select appropriate compensatory mitigation type

Compensation Type	Cowardin Classification	Impact HUC	Impact Size	Compensation HUC	Compensation Required
Wetlands					
Streams					

Compensation Project:

1. Name of Locality and the applicable State and Federal agencies having jurisdiction over the use and disturbance of waters of the United States including areas known as wetlands and stream have agreed that compensatory mitigation requirements may be satisfied by the implementation of a compensation project for the disturbance of (Insert Number) acres of wetlands and (Insert Number) linear feet of streams.
2. Compensation Project Types: (Check Appropriate)
 - Establishment/Creation:** The manipulation of the physical, chemical, or biological characteristics present to develop a wetland on an upland or deepwater site, where a wetland did not previously exist. Establishment results in a gain in wetland acres.
 - Restoration:** The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural or historic functions to a former or degraded wetland or stream.
 - Enhancement:** The manipulation of the physical, chemical, or biological characteristics of a wetland and or stream (undisturbed or degraded) to heighten, intensify, or improve specific function(s) or to change the growth stage or composition of the vegetation present. Enhancement is undertaken for specified purposes such as water quality improvement, flood water retention, or wildlife habitat. Enhancement results in a change in wetland function(s) and can lead to a decline in other wetland functions, but do not result in a gain in wetland acres.
 - Protection/Maintenance (Preservation):** The removal of a threat to, or preventing the decline of, wetland and/or stream conditions by an action in or near a wetland or stream. This term includes the purchase of land or easements, repairing water control structures or fences, or structural protection such as repairing a barrier island. This term also includes activities commonly associated with the term preservation. Preservation does not result in a gain of wetland acres and will be used only in exceptional circumstances.
2. Compensation Project consists of (Insert Number) wetlands acres and (Insert Number) linear feet of streams, located in (Insert County), Virginia.
3. Name of responsible party(s) in locality for accomplishing, maintaining, and monitoring the compensation project and for providing long-term management and financial assurances set aside for remedial measures to ensure mitigation success. This includes identifying the party that will provide for long-term management and protection of the compensation project.

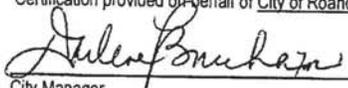
Mitigation Bank:

1. Insert Name of Locality and the applicable State and Federal agencies having jurisdiction over the use and disturbance of waters of the United States including areas known as wetlands and stream have agreed that compensatory mitigation requirements may be satisfied by the purchase from Insert Name of Bank of (Insert Number) Credits, as provided in this Agreement and in accordance with the Mitigation Banking Instrument, subject to case-by-case approval through the permitting process.
2. Insert Name of Mitigation bank consists of (Insert Number) wetlands acres and (Insert Number) linear feet of streams, more or less, located in (Insert County), Virginia. The Bank's Mitigation Banking Instrument was approved by the U.S. Army Corps of Engineers ("Corps") on (Insert Date). The Bank is authorized to sell mitigation credits to compensate for unavoidable impacts to waters of the United States caused by projects approved pursuant to permits or authorizations granted by the Corps ("Credits"). Operation, management and maintenance of the Bank is subject to the requirements of the Mitigation Banking Instrument, to the statutes, regulations and policies cited therein and to the requirements of all Federal and State permits as applicable.

Trust Fund Payment

1. Name of Locality and the applicable State and Federal agencies having jurisdiction over the use and disturbance of waters of the United States including areas known as wetlands and stream have agreed that compensatory mitigation requirements may be satisfied by the payment of (Insert Dollar amount) to the Trust Fund for the disturbance of (Insert Number) acres of wetlands and (Insert Number) linear feet of streams.

Certification provided on behalf of City of Roanoke by:



 City Manager

Date: 7-6-07

Threatened and Endangered Species

The locality is responsible for obtaining all necessary regulatory clearances for this project prior to advertisement. This section must be completed to document threatened or endangered species review for all activities.

Locality has reviewed the project and appropriate data sources and have made one of the following determinations with respect to this project (Check Appropriate)

Based upon a review of the DGIF data and DCR Natural Heritage Conservation Site Maps for the project area, no Threatened or Endangered species collections/records are within a 2-mile search distance for the project. A copy of this determination is contained within the localities project files.

Based upon a review of the DGIF data and DCR Natural Heritage Conservation Site Maps for the project area, Threatened or Endangered species collections/records are within the required 2-mile search distance for the project. (Check Appropriate)

City of Roanoke has conducted a site evaluation within the area of effect for the project. A copy of the assessment has been provided to DGIF, DNH, and FWS on May 2007. The agency comments (check appropriate) were received within 30 days or were not received within 30 days. Comments received from the agencies are addressed in the project plans and contract documents. This documentation is provided in the locality project file.

Indicate results of Site Evaluation:

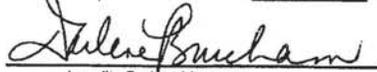
No Habitat identified
 Habitat identified

Habitat identified and a species survey was requested by (Insert Agency), performed by (insert name), and coordination conducted on (Insert Date) with DGIF, DNH, and FWS. The agency comments were received and addressed. Documentation is provided in the locality project file.

Section 7 Consultation for a species in the project area was required by Insert Name of Federal Agency. The Biological Opinion prepared by Fish and Wildlife Service was received on Insert Date, and the requirements of the Biological Opinion have been incorporated into the project design and contract construction documents. A copy of the Biological Opinion is in the locality project file.

T&E Species: (List all species for which this form applies.) _____

Certification provided on behalf of City of Roanoke by:


Locality Project Manager

Date: 7-6-07

Erosion and Sediment Control Plan

The municipality shall design their projects in accordance with Virginia Erosion and Sediment Control Law and Regulations, §10.1-561 et seq. and 4VAC50-30-10 et seq., Virginia Stormwater Management Law and Regulations, §10.1-603.1 et seq. and 4VAC3-20-10 et seq., Virginia Pollutant Discharge Elimination System Permits, Title 62.1-44.15.5 and the Chesapeake Bay Preservation Act.

The project Erosion and Sediment control plan was prepared by (Insert name)

The project erosion and sediment control plan was approved by (Insert name) a Department of Conservation and Recreation Certified Plan Reviewer. Their DCR Plan Reviewer Certification Number is (Insert Number) and their Certification Expires on (Insert Date).

Certification provided on behalf of _____ [Locality] _____ by:

N/A

DCR Certified Plan Reviewer

Date: _____

Project Inspections:

(Insert Name in locality) is responsible for ensuring that all on-site construction inspectors are Department of Conservation and Recreation Certified as an Erosion and Sedimentation Control Inspector, as required by §10.1-561, §10.1-563, and §10.1-564 of the Code of Virginia that requires on-site construction inspectors have certification in Erosion & Sediment Control. The requirement has been incorporated into the project design and contract construction documents.

(Insert Name in locality) is responsible for ensuring that the contractor and on-site construction inspector inspect the project for erosion and sediment control every two weeks as required by 4 VAC50-30-60. This requirement has been incorporated into the project design and contract construction documents.

Certification provided on behalf of _____ [Locality] _____ by:

N/A

_____ Date: _____
County Administrator/City Manager/Zoning Official

I hereby certify that:

Attach additional pages as necessary.

- (1) Where actual or potential impacts to wetlands, streams, endangered species, erosion and sediment and/or stormwater management have been identified, appropriate actions have been taken (or will be taken) by the locality to address these issues in terms of avoidance, minimization or compensation. Where such actions are required to be taken during construction, appropriate contract provisions have been/will be developed to incorporate those costs as pay items in the contract.
- (2) Estimated costs for project construction inspections and post-construction monitoring and remediation for the compensatory mitigation have been/will be taken into consideration.
- (3) The project will be inspected in accordance with state and federal requirements.
- (4) The construction contractor will be made aware of any environmental issues that may be encountered during construction and will be provided access to any study results to assist the Contractor in developing and implementing the project in accordance with the regulatory permits and clearances.

Certification provided on behalf of City of Roanoke by:

Audrey Buchanan Date: 7-6-07
City Manager

City Manager
Title

Programmatic Categorical Exclusion (PCE)

Project Information			
Project Name:	10th Street Two-Stage Crossing	Federal Project#:	STP-5128(243)
Project Number:	U000-128-133, C501, P101	Project Type:	Construction
UPC:	71725	Charge Number:	
Route Number:		Route Type:	Urban
Project Limit--From:	LICK RUN CREEK	To:	170 FEET SOUTH OF SYRACUSE AVENUE
Additional Project Description:	Purchase and installation of traffic control equipment (foundations, poles, lights & control box). This project will complete the 2-stage pedestrian crossing of the Lick Run Greenway at 10th Street and will provide additional safety features for this pedestrian crossing. Physical construction of the crossing and the pedestrian refuge island were previously accomplished during construction of the Lick Run Greenway (Project EN98-128-109, P101, P102, R201, C501; # 18773). All work will within existing right-of-way.		
District:	City/County:	Residency:	
Salem	Roanoke (City)	Salem	

The subject project meets the criteria for a Programmatic Categorical Exclusion in accordance with:

- X 23 CFR 771.117
- Agreement approved by the Federal Highway Administration on December 29, 2004.

Description of PCE Category:

- c08 Installation of fencing, signs, pavement markings, small passenger shelters, traffic signals, and railroad warning devices where no substantial land acquisition or traffic disruption will occur.

IMPACTS:

- NO Significant Impacts to Planned Growth or Land Use
- NO Relocations
Source: City of Roanoke
- NO Substantial Land Acquisition
- NO USCG Construction Permit, USACE Individual Section 404 Permit
Source: U.S. Army Corps of Engineers; Virginia Dept. of Environmental Quality
- NO Adverse Effect on Historic Properties
Source: Virginia Dept. of Historic Resources
- NO Use of Land Protected by Section 4(f)
- NO Significant Air, Noise or Water Quality Impacts
Source: VDOT - Salem District Environmental; VDOT Central Office Noise; City of Roanoke
- NO Significant Impacts on Travel Patterns
- NO Changes in Interstate Access Control
- NO Individual or Cumulative Significant Environmental Impacts



Right-of-Way Certification



Transportation Division
Public Works Service Center
1802 Courthouse Road
Roanoke, Virginia 24012
Tel: (540) 853-2476
Fax: (540) 853-1270

August 12, 2008

Re: 10th Street 2-stage crossing
Project: U000-128-133, PE-101
UPC: 71725

Mr. Michael Russell, P.E.
Assistant District Administrator for Preliminary Engineering
Virginia Department of Transportation
731 Harrison Avenue
Salem, VA 24153

Dear Mr. Russell,

The City of Roanoke is administering a VDOT-funded project to improve the pedestrian crossing of the Lick Run Greenway at 10th Street. Specifically, the project will add flashing lights and pedestrian buttons to an existing pedestrian crossing.

This letter is to certify that all rights-of-way required for this project are currently in legal and physical possession of the City of Roanoke. No railroads or buildings are affected by the proposed construction.

Respectfully,

Mark D. Jamison, P.E.
Transportation Division Manager

Engineers Estimate

Engineers Estimate

ATTACHMENT A TO IFB# 08-02-03
10th STREET TWO-STAGE
PEDESTRIAN CROSSING

BID FORM

Description	Unit Cost	Quantity	Unit of Measure	Total Cost
Pedestrian warning assemblies as specified in Scope of Work (Attachment 2 to Contract)	\$15,000	2	Each	\$30,000

Bids containing any conditions, omissions, unexplained erasures, alterations or items not called for in the bid, or irregularities of any kind, may be rejected by the City as being nonresponsive. No changes are to be made to the Bid Form. Any changes to a Bid Amount must be initialed by the person signing the Bid Form.

The attention of each Bidder is directed to VA Code sections 54.1-1100, et seq. which requires certain licenses for contractors, tradesmen, and others. Each Bidder is required to determine which license, if any, it is required to have under such sections. Complete the following:

Bidder ___ does have ___ does not have a Virginia Contractor's License. (Check appropriate block)

If Bidder has a Virginia Contractor's License, circle the class Bidder has and list the number. Licensed "Class A", "Class B", or "Class C" Virginia Contractor Number _____

If Bidder has another type of Virginia License, please list the type and number:
Type of license _____ and number: _____.

Bidder is a ___ resident or ___ nonresident of Virginia. (Check appropriate blank. See VA Code Sections 54.1-1100, et seq.)

The undersigned hereby agrees, if this Bid is accepted by the City, to provide the services and/or items in accordance with this Invitation for Bid and to execute a contract for such services and/or items.

Legal Name of Bidder

Date

Authorized Signature

Print or Type Name and Title

LD 442 – Environmental Certification

LD-442 (PMO-Form-17)
(1-11-08)

Page 1 of 1

DEPARTMENT OF TRANSPORTATION
LOCATION AND DESIGN
ENVIRONMENTAL CERTIFICATION CHECKLIST & PS&E RE-EVALUATION

TO: District Environmental Manager	Richmond, Virginia
Attention: Paul Johnson	Date: May 14, 2008
FROM: Mike Russell Project Manager	Route: 10 th Street
	UPC: 71725
SUBJECT: Environmental Certification Checklist (EQ-103) & Environmental Re-evaluation at PS&E Stage (EQ-200)	State Project: U000-128-133
	Federal Project:
	City/County: Roanoke City

Construction plans on the above-described project are available on the Electronic File for your Environmental Certification/Reevaluation.

A Field inspection was held on

A Pre-Ad conference was held on

This work is proposed for construction by: Contract State Forces

The advertisement date for this project is

Type of Funds: State Funds Federal Funds

By copy of this memorandum, we request that you notify the Project Manager upon the completion of your review by email.

All parties needing copies of these plans may print them from electronic file on the next business day from date of this letter.

Remarks:

cc: District Location and Design Engineer
Assistant State Location and Design Engineer
District PE Manager
District Construction Engineer
State Environmental Administrator
State Construction Engineer
Project Designer

Document Reevaluation for PSE Authorization



Project Information			
Project Number:	U000-128-133, C501, P101	UPC:	71725
Project Name:	10th Street Two-Stage Crossing		
Route Number:			
Project Limit - From:	130' S. Syracuse Ave.	To:	110' S. Syracuse Ave.
District	City/County	Residency	
Salem	Roanoke (City)	Salem	
IPM Project Description:	10TH STREET - CONSTRUCT 2-STAGE X-ING WITH WARNING DEVICES		
Additional Project Description:	Purchase and installation of traffic control equipment (foundations, poles, lights & control box). This project will complete the 2-stage pedestrian crossing of the Lick Run Greenway at 10th Street and will provide additional safety features for this pedestrian crossing. Physical construction of the crossing and the pedestrian refuge island were previously accomplished during construction of the Lick Run Greenway (Project EN98-128-109, P101, R201, C501; # 18773). All work will occur within existing right-of-way.		
Reevaluation Type / Reviewers			
NEPA Document Approval Date:	05/13/2008	FHWA Contact:	Simkins, John A.
NEPA Document Type:	PCE		
Project Manager:	Michael.Russell	Environmental POC:	Davis, Fred R.
Reevaluation Questions			
1.) Is the current project design, right of way limits and/or scope within the study area evaluated in the most recently approved environmental document? Y			
Comments: None			
2.) Has the project design complied with all environmental commitments or conditions identified during project development? Y			
Comments: N/A - no commitments were identified in the PCE.			

Reevaluation Questions Continued

3.) Project limits in environmental document:

From: Lick Run Creek **To:** 170 feet south of Syracuse Street

Project limits proposed on current plan:

From: 130' S. Syracuse Ave. **To:** 110' S. Syracuse Ave.

Are the project limits consistent? Y

Comments: City of Roanoke has refined and reduced the project limits from those presented in the PCE.

4.) Have any project design or scope changes outside the original project extent or limits been added or removed from the project? N

Description: None

5.) Was a noise analysis required for the environmental document?

Noise Scoping Decision: Not Type I - Noise study not required

Comments: None

The Virginia Department of Transportation has reevaluated the approved environmental document in conjunction with the proposed project limits and found the NEPA decision document remains valid. The intent of this reevaluation was to assess any changes to the scope of the project, rather than consider specific design elements. This reevaluation satisfies the requirements in 23 CFR 771.129.



Transportation Management Plan

TRANSPORTATION MANAGEMENT PLAN

Project No.: U000-128-133, N-501

INTRODUCTION

Improvements will be performed in the City of Roanoke.

10th Street is a **Urban Collector** The annual average daily traffic is approximately 11,400 Vehicles. Types of traffic include trucks, commuters, travelers, and residents.

TEMPORARY TRAFFIC CONTROL PLAN

General Notes

All Travel Lanes and Shoulders will be affected on 10th Street during the "Installation of two pedestrian warning assemblies on the shoulders of 10th Street".

The work zone shall be maintained according to the "Maintenance of Traffic" document in the contract. The following traffic control typical applications from the "Virginia Work Area Protection Manual, May 2005" shall be used: Pages 6H-40, 6H-41 (Figure TTC 18.0, Pages 6H-76, 6H-77 (Figure TTC 36.0

There are no identified areas within the right of way for the contractor to store equipment and/or materials. The contractor must make arrangements for these areas according to VDOT policies.

SPECIAL DETAILS

There are no special details for this project that are not addressed in the contract by the "Maintenance of Traffic" document and the "Virginia Work Area Protection Manual, May 2005".

PUBLIC COMMUNICATIONS PLAN

A public communications plan is not applicable to this project. The volume of traffic does not exceed the minimum number of vehicles/hour/lane or delay times established by the Regional Traffic Engineer for lane closure periods.

TRANSPORTATION OPERATIONS PLAN

- 1) An Operations plan is not required for this project, however, a contact list of local emergency response agencies must be kept and maintained throughout the project lifecycle.
- 2) The following is a list of Local Emergency contact agencies:

Roanoke City Police	(540) 853-2212
Roanoke City Sheriff	(540) 853-2941
Roanoke City Fire-EMS	(540) 853-2327
Haz-Mat- Emergency	911

C48 – Subcontractor/Supplier Solicitation & Utilization

Form C-48
12-8-04

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
SUBCONTRACTOR/SUPPLIER SOLICITATION AND UTILIZATION FORM
(ALL BIDDERS)**

PROJECT NO. 0058-000-000, C501

CONTRACT I.D. NO. 04052

FEDERAL PROJECT NO. UP-058-0 (217)

DATE SUBMITTED 2/10/09

All bidders, including DBEs bidding as Prime Contractors, shall complete and submit the following information as requested in this form within ten (10) calendar days after the opening of bids.

The bidder certifies this form accurately represents its solicitation and utilization or non-utilization, as indicated, of the firms listed below for performance of work on this contract. The bidder also certifies he/she has had direct contact with the named firms regarding participation on this project.

BIDDER **ABC Contracting Company** SIGNATURE *Jack Daniels*
TITLE **Vice President**

SUBCONTRACTOR/SUPPLIER SOLICITATION AND UTILIZATION (ALL)

VENDOR NUMBER	NAME OF SUBCONTRACTOR/SUPPLIER	TELEPHONE NUMBER	DBE OR NON-DBE	UTILIZED (Y/N)
A000	ABC Supply Company	623-666-0980	DBE	N
C000	CDS Construction, Inc.	009-234-6590	DBE	Y
E000	EAA Chemical Company	555-555-5555	DBE	N
	ZZZ Sons & Company, Inc.	111-111-1111	NON	Y
	PLU Construction Co.	666-666-6666	NON	Y
X000	XUV Steel	000-000-0000	DBE	Y
	Ongoing	435-665-8900	NON	N
R000	Rebar Holding Company	304-000-5555	DBE	Y
F000	Fence Company	909-432-9001	DBE	Y

NOTE: ATTACH ADDITIONAL PAGES, IF NECESSARY.

BIDDER MUST SIGN EACH ADDITIONAL SHEET TO CERTIFY ITS CONTENT AND COMPLETION OF FORM.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

--DO NOT DETACH--

**THIS INFORMATION MUST BE SUBMITTED
WITH YOUR BID PROPOSAL IF YOUR BID DOES
NOT MEET THE PROJECT DBE REQUIREMENTS,
OR
WHEN REQUESTED BY VDOT**

CONTRACT I.D. NUMBER	04052
PROJECT NUMBER	0058-000-000, C501
FHWA NUMBER	UP-058-0(217)
DISTRICT	Lee
DATE BID SUBMITTED	11/26/08
BIDDER'S NAME	ZZZ Landscape
SIGNATURE	
TITLE	Vice President
VENDOR NUMBER	Z000
DBE GOAL FROM BID PROPOSAL	9%

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. 0058-000-000, C501 DATE SUBMITTED 11/26/08

IF THE DBE GOAL ESTABLISHED FOR THIS CONTRACT HAS NOT BEEN MET OR VDOT REQUESTS THE SUBMITTAL THEREOF, THE BIDDER IS REQUIRED TO SUBMIT GOOD FAITH EFFORTS AS OUTLINED IN THIS DOCUMENT.

THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER **ZZZ Landscape**
TITLE **Vice President**

SIGNATURE *John Woodley*

NAMES OF CERTIFIED DBEs AND THE DATES ON WHICH THEY WERE SOLICITED TO BID ON THIS PROJECT

INCLUDE THE ITEMS OF WORK OFFERED AND THE DATES AND METHODS USED FOR FOLLOWING UP INITIAL SOLICITATIONS TO DETERMINE WHETHER OR NOT DBEs WERE INTERESTED.

NAMES AND VENDOR NUMBERS OF DBEs SOLICITED	DATE OF INITIAL SOLICITATION	ITEM(S) OF WORK	FOLLOW-UP METHODS AND DATES
J000 Jay Fence Co.	11/14/08	Fence, guardrail	Called by phone 11/21/08
A000 Any Striping	11/14/08	Pavement	Called by phone 11/21/08
B000 B Construction	11/14/08	Bit. Conc. Pave	Called by phone 11/21/08
B001 BC Rentals	11/14/08	Traffic control	Called by phone 11/21/08
D000 Davis Constr.	11/14/08	Masonry	Called by phone 11/21/08
D001 D-Day Inc.	11/14/08	Landscape	Called by phone 11/21/08
G000 Good Contracts	11/14/08	Guardrail	Called by phone 11/21/08
B002 Best Constr.	11/14/08	Incidental Concrete	Called by phone 11/21/08
A001 Ace Utilities	11/14/08	Utilities	Called by phone 11/21/08
K000 Kathy Constr.	11/14/08	Guardrail	Called by phone 11/21/08
D000 Division Const.	11/14/08	Erosion Control	Called by phone 11/21/08
F000 Finish Service	11/14/08	Asp. Pavement	Called by phone 11/21/08
B003 Bid Contractor	11/14/08	Pavement Markings	Called by phone 11/21/08
S000 Season Seed	11/14/08	Landscaping	Called by phone 11/21/08

ATTACH COPIES OF SOLICITATIONS, TELEPHONE RECORDS, FAX CONFIRMATIONS, ELECTRONIC INFORMATION, ETC.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. 0058-000-000, C501 DATE SUBMITTED 11/26/08

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THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER **ZZZ Landscape**

SIGNATURE



TITLE **Vice President**

TELEPHONE LOG

DBE(s) CALLED	TELEPHONE NUMBER	DATE CALLED	TIME CALLED	CONTACT PERSON OR VOICE MAIL STATUS
Hi Contractors	000-000-0000	11/14/08	8:15AM	High Hi
Any Construction	111-111-1111	11/14/08	9:10 AM	Joe Any
ABC Landscape	101-101-1010	11/14/08	9:25AM	Amy Jones
B Contractors	110-110-1110	11/14/08	9:43AM	James Bee
Bow & Arrow Constr.	011-011-0111	11/14/08	11:00 AM	Betty J. Bow
Popeye Rebar	909-789-6435	11/14/08	1:00 PM	Collin Year
Olive Etc, Inc.	880-880-9086	11/14/08	3:15PM	Left message; no response
ADevelop Co.	812-218-8112	11/15/08	2:00 PM	Fax not working
Dirt Pit, Inc.	906-222-6754	11/15/09	3:00 PM	Constantly busy

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. 0058-000-00, C501 DATE SUBMITTED 11/26/08

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THE BIDDER ACKNOWLEDGES AND CERTIFIES THAT THIS FORM ACCURATELY REPRESENTS THE INFORMATION CONTAINED HEREIN.

BIDDER ZZZ Landscape SIGNATURE *Tom Hoodley*
TITLE Vice President

ITEM(S) OF WORK THAT THE BIDDER MADE AVAILABLE TO DBE FIRMS

IDENTIFY THOSE ITEM(S) OF WORK THAT THE BIDDER MADE AVAILABLE TO DBE FIRMS OR THOSE ITEM(S) THE BIDDER IDENTIFIED AND DETERMINED TO SUBDIVIDE INTO ECONOMICALLY FEASIBLE UNITS TO FACILITATE DBE PARTICIPATION. FOR EACH ITEM LISTED, SHOW THE DOLLAR VALUE AND PERCENTAGE OF THE TOTAL CONTRACT AMOUNT. IT IS THE BIDDER'S RESPONSIBILITY TO DEMONSTRATE THAT SUFFICIENT WORK TO MEET THE GOAL WAS MADE AVAILABLE TO DBE FIRMS.

ITEM(S) OF WORK MADE AVAILABLE	BIDDER NORMALLY PERFORMS ITEM(S) (Y/N)	ITEM(S) BROKEN DOWN TO FACILITATE PARTICIPATION (Y/N)	AMOUNT IN DOLLARS	PERCENTAGE OF CONTRACT
27284	(Y)	(Y) Erosion mulch	84.70	.25%
27321	(Y)	(Y) EC-2	287.50	1%
27506	(Y)	(Y) Filt. Barrier	2562.00	.50%
54032	(N)	(N) Pavement 4"	1004.00	1%
54042	(N)	(N) Type B C12 Pave 24"	220.00	1%
54105	(N)	(N) Erad. Marking	600.00	2%
54300	(N)	(N) Pave Arrow Single	680.00	.25%
54310	(N)	(N) Pave Mark Arrow DBL	200.00	.75%
10630	(N)	(N) Flex Pavement Planning	4725.00	1%

NOTE: INFORMATION REQUIRED FOR THIS SECTION CONTINUED ON SHEET 5
ATTACH ADDITIONAL PAGES IF NECESSARY

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO.0058-000-000, C501 DATE SUBMITTED 11/26/08

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BIDDER **ZZZ Landscape**
TITLE Vice President

SIGNATURE *Tom Woodley*

ADDITIONAL INFORMATION REGARDING ITEM(S) OF WORK THAT THE BIDDER MADE AVAILABLE TO DBE FIRMS (Continued From Sheet 4)

ITEM(S) OF WORK MADE AVAILABLE, NAMES OF SELECTED FIRMS AND DBE STATUS, DBEs THAT PROVIDED QUOTES, PRICE QUOTE FOR EACH FIRM, AND THE PRICE DIFFERENCE FOR EACH DBE IF THE SELECTED FIRM IS NOT A DBE.

ITEM(S) OF WORK MADE AVAILABLE(CONT.)	NAME OF SELECTED FIRM AND VENDOR NUMBER	DBE OR NON-DBE	NAME OF REJECTED FIRM(S)	QUOTE IN DOLLARS	PRICE DIFFERENCE IN DOLLARS
Surveying 00101	Farm Constr.	DBE	World Survey	11635.00	+ 7895.00
Concrete 00525	Farm Constr.	DBE	Water Constr.	3524.00	+1500.00
Reinf. Steel 00540	Farm Const.	DBE	Pitt Rebar	7248.00	+2248.00
Guardrail 13320	XU Fence	Non	G Rail, Inc.	8099.00	+3675.00
Asp. Pave 24410	XU Fence	Non	Pave Me Now	4102.00	+1875.00
Reg Seed 27102	Seed Land.	Non	Seeders, Inc.	5500.00	+3150.00
Mulch 27284	Seed Land.	Non	No quote	0	0

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY.

IF THE FIRM SELECTED FOR THE ITEM IS NOT A DBE, PROVIDE THE REASON(S) FOR THE SELECTION ON A SEPARATE PAGE AND ATTACH.

PROVIDE NAMES, ADDRESSES, AND TELEPHONE NUMBERS FOR THE FIRMS LISTED ABOVE.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO.0058-000-000, C501 DATE SUBMITTED 11/26/08

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BIDDER **ZZZ Landscape** SIGNATURE *Tom Woodley*
TITLE **Vice President**

ADVERTISEMENTS OR PROOFS OF PUBLICATION.

NAMES AND DATES OF EACH PUBLICATION IN WHICH A REQUEST FOR DBE PARTICIPATION FOR THE PROJECT WAS PLACED BY THE BIDDER. ATTACH COPIES OF PUBLISHED ADVERTISEMENTS OR PROOFS OF PUBLICATION.

PUBLICATIONS	DATES OF ADVERTISEMENT
The Good News Daily	11/16/08
Positive Press Newspaper	11/16/08
Times Gone Back Press	11/16/08

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. 0058-000-000, C501 DATE SUBMITTED 11/26/08

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BIDDER **ZZZ Landscape**

SIGNATURE *Tom Woodley*

TITLE **Vice President**

NAMES OF AGENCIES CONTACTED TO PROVIDE ASSISTANCE

NAMES OF AGENCIES (SEE SPECIAL PROVISION FOR 110.04) AND THE DATES THESE AGENCIES WERE CONTACTED TO PROVIDE ASSISTANCE IN CONTACTING, RECRUITING, AND USING DBE FIRMS. IF THE AGENCIES WERE CONTACTED IN WRITING, ATTACH COPIES OF SUPPORTING DOCUMENTS.

NAME OF AGENCY	METHOD AND DATE OF CONTACT	RESULTS
Dept. of Minority Business	11/10/08 Online thru VDOT site	Lists of certified contractors with work codes and descriptions
Richmond District Civil Rights Manager	Telephoned 11/11/08	Supplied list of 12 contractors who previously worked in the district.

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. 0058-000-000, C501 DATE SUBMITTED

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BIDDER **ZZZ Landscape** SIGNATURE *Tom Woodley*
TITLE **Vice President**

TECHNICAL ASSISTANCE AND INFORMATION PROVIDED TO DBEs

EFFORTS MADE TO PROVIDE INTERESTED DBEs WITH ADEQUATE INFORMATION ABOUT THE PLANS, SPECIFICATIONS, AND REQUIREMENTS OF THE BID DOCUMENTS TO ASSIST THE DBEs IN RESPONDING TO A SOLICITATION.

IDENTIFY THE DBEs ASSISTED, THE INFORMATION PROVIDED, AND THE DATE OF CONTACT. ATTACH COPIES OF SUPPORTING DOCUMENTS.

DBEs ASSISTED	INFORMATION PROVIDED	DATE OF CONTACT
W000 West-East Construction	Quantities given upon request	11/18/08

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. 0058-000-000, C501 DATE SUBMITTED 11/26/08

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BIDDER ZZZ Landscape

SIGNATURE



TITLE Vice President

EFFORTS MADE TO ASSIST DBEs OBTAIN BONDING, LINES OF CREDIT, INSURANCE, ETC.

EFFORTS MADE TO PROVIDE INTERESTED DBEs IN OBTAINING BONDING, LINES OF CREDIT, INSURANCE, NECESSARY EQUIPMENT, SUPPLIES, MATERIALS, OR RELATED ASSISTANCE OR SERVICES, EXCLUDING SUPPLIES AND EQUIPMENT THE SUBCONTRACTOR PURCHASES OR LEASES FROM THE PRIME CONTRACTOR OR ITS AFFILIATES.

IDENTIFY THE DBEs ASSISTED, THE ASSISTANCE OFFERED, AND THE DATES OF SERVICES OFFERED AND PROVIDED. ATTACH COPIES OF SUPPORTING DOCUMENTS.

DBEs ASSISTED	ASSISTANCE OFFERED	DATES SERVICES OFFERED AND/OR PROVIDED
None	None	None

NOTE: ATTACH ADDITIONAL PAGES IF NECESSARY.

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
DBE GOOD FAITH EFFORTS DOCUMENTATION

CONTRACT I.D. NO. 0058-000-000, C501 DATE SUBMITTED 11/26/08

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BIDDER ZZZ Landscape

SIGNATURE



TITLE Vice President

ADDITIONAL DATA TO SUPPORT DEMONSTRATION OF GOOD FAITH EFFORTS

ADDITIONAL DATA TO SUPPORT DEMONSTRATION OF GOOD FAITH EFFORTS

NOTE: ATTACH ADDITIONAL PAGES, IF NECESSARY

C57 – Contractor Monthly EEO Report

FormC-57
Rev. 11-14-08

FormC-57
Rev. 11-14-08

FormC-57
Rev. 11-14-08

FormC-57
Rev. 11-14-08

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY CONSTRUCTION CONTRACTORS MONTHLY EEO REPORT

PROJECT NO. 000-000-000, C000
CONTRACT ID. NO. CD000024800

REPORT for the MONTH & YEAR of
January 2009

1. CHECK APPROPRIATE BLOCK
CONTRACTOR SUBCONTRACTOR

2. NAME AND ADDRESS OF FIRM
ABC Construction Co., Inc.
123 Anywhere Street
USA, VA 22222

3. FEDERAL AID PROJECT NUMBER
STP-0001(223)

4. TYPE OF CONSTRUCTION
Highway

5. COUNTY AND STATE
Virginia

6. PERCENT COMPLETE
10%

7. BEGINNING CONSTR. DATE
1/6/09

8. DOLLAR AMOUNT OF CONTRACT
\$1,625,054.00

9. ESTIMATED PEAK EMPLOYMENT
MONTH & YEAR (a) April 2009 (b) 4

10. EMPLOYMENT DATA

JOB CATEGORIES	Table A						Table B											
	TOTAL EMPLOYEES		TOTAL MINORITIES		BLACK Not of Hispanic Origin		HISPANIC		AMERICAN INDIAN or ALASKAN NATIVE		ASIAN or PACIFIC ISLANDER		WHITE Not of Hispanic Origin		APPRENTICES		ON THE JOB TRAINEES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
OFFICIALS, Managers																		
SUPERVISORS	2		1								1							
FOREMANNWOMEN	1																	
CLERICAL																		
EQUIP. OPERATORS	2		2		1													
MECHANICS																		
TRUCK DRIVERS	6	3	6	3	4	1	1	2	1								2	1
IRONWORKERS																		
CARPENTERS																		
CEMENT MASONS																		
ELECTRICIANS																		
PIPEFITTERS, PLUMBERS																		
PAINTERS																		
LABORERS, SEMI-SKILLED	7	4	5	3	3	1	2	2									4	2
LABORERS, UNSKILLED																		
TOTAL	18	8	14	6	8	2	4	4	1	1	1	1	4	2				
APPRENTICES ON THE JOB TRAINEES																		
																	6	3

I certify under penalty of law that the information provided herein is accurate, current, and complete to the best of my knowledge.

11. PREPARED BY: D. Jackson CEO Date 3/11/09
(Signature and Title of Contractors Representative)

Summarize new Hires for current Month indicating minorities, non-minorities and women by job categories (use additional forms if needed)
(See page 2 for instructions)

C65 – Trainee Enrollment

C-65
Rev. 9-8-08

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
TRAINEE ENROLLMENT FORM
ON-THE-JOB TRAINING

Date 2/27/09 Route 66 Federal Project Number STP-0(990)

Project No: 0066-123-044, C507

Contract Id. No. C00000200

Contractor: Best Contractor, Inc.

Subcontractor: _____

Name of Trainee: Sally Ride Trainee Program Selected

Social Security Number 0000 Apprenticeship-
(Last 4 numbers) DOL

VTCA-VDOT

*Other _____

Address 000 My Street
Richmond, VA 20000

*Explain and attach training schedule

Identification: White _____ Black American Indian or Alaskan Native _____

Asian & Pacific Islanders _____ Hispanic _____

Vietnam Era Veteran Yes _____ No Age 23 Sex Female

Trainee Job Classification: Roller Operator Length of Training 300 Hours

Date Training Started: 3/2/09

Trainee Minimum Wage Rates \$ 8.50 for 100 Hrs. Trainee is: New Hire _____

(Show actual wage rates to be paid by Contractor) \$ 9.00 for 100 Hrs. Upgrade

\$ 9.50 for 100 Hrs. Upgrade from: Laborer

Wage Rate \$ 10.00 after completion _____

Summary of previous Training: (Show approximate hours of previous training received in this or similar classification as per interview with the Trainee) _____

Sally Ride 2/27/09 [Signature] 2/27/09
 Trainee Signature Date Contractor Representative Signature Title Date
 Approved [Signature] 2/27/09
 District Civil Rights Manager Signature Date

Copies: Contractor
Responsible Charge Engineer
Trainee

C67 – Weekly Trainee Report

Form C-67
Rev. 11-14-08

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

WEEKLY TRAINEE REPORT

REPORT NO. 1
 WEEK ENDING DATE 3/6/09
 PROJECT NO. 0068-123-044,C507
 PRIME SUB CONTRACTOR Best Contractors, Inc.
 CONTRACT ID. NO. C00000144

NAME OF TRAINEE	CODE	CLASSIFICATION	DAY OF WEEK							TOTAL HOURS WKLY	RATE OF PAY	TOTAL HOURS	REMARKS STATUS
			S	M	T	W	T	F	S				
			HOURS OF TRAINING EACH DAY										
Sally Ride		Roller Operator	0	2	3	6	0	2	0	13	9.00	13	
Joe John		Pipe fitter	0	4	5	3	2	0	0	14	8.95	14	

I certify under penalty of law that the information provided herein is accurate, current, and complete to the best of my knowledge.

Contractor Best Contractor, Inc. Signature / Title  Date 3/10/09

CC: Responsible Charge Engineer

C111 – Minimum DBE Requirements

Form C-111
Rev. 7-13-05

**COMMONWEALTH OF VIRGINIA
VIRGINIA DEPARTMENT OF TRANSPORTATION
MINIMUM DBE REQUIREMENTS**

PROJECT NO: 0058-000-000, C501

FHWA NO: UP-0580-0(217)

*****INSTRUCTIONS*****

SECTION II OF THIS FORM IS TO BE USED BY THE CONTRACTOR TO SUBMIT THE NAMES OF DBE FIRMS TO BE UTILIZED ON THE PROJECT. ADDITIONAL SHEETS TO SHOW THE ALLOWABLE CREDIT PER ITEM MAY BE ATTACHED IF NECESSARY. NOTE: IF 100% OF AN ITEM IS NOT TO BE PERFORMED OR FURNISHED BY THE DBE, DESCRIBE THE PORTION AND PERCENTAGE TO BE PERFORMED OR FURNISHED BY THE DBE.

SECTION I: DBE REQUIREMENT 10%

SECTION II: PERCENT ATTAINED BY BIDDER 10%

NAME(s) AND CERTIFICATION NO. OF DBE(s) TO BE USED	TYPE OF WORK & ITEM NO(s)	PERCENT OF WORK	AMT. OF ALLOWABLE CREDIT PER ITEM
ABC Construction Co.	24152, 24160, 24278, 54020, 54100, 54105, 54300, 54512	4%	117,157.80
ZZZ Landscape	27102, 27103, 27215, 27250, 27288, 27505, 27506, 09250	6%	175,736.71

TOTAL: \$ 292,894.51

Total Contract Value \$ 2,928,945.12 X Required DBE 10 % = \$ 292,894.51

I/WE CERTIFY THAT THE PROPOSED DBE (S) SUBMITTED WILL BE USED ON THIS CONTRACT AS STATED HEREON AND ASSURE THAT DURING THE LIFE OF THE CONTRACT, I/WE WILL MEET OR EXCEED THE PARTICIPATION ESTABLISHED HEREON BY THE DEPARTMENT.

By  SIGNATURE
 BIDDER
 TITLE
 By 2/27/09 DATE

Firm Data Sheet

FIRM DATA SHEET

Funding: F (S=State F=Federal)

Project No. 0058-000-000, C501

Division: Environmental

EOI Due Date: March 15, 2009

The prime consultant is responsible for submitting the information requested below on all firms on the project team, both prime and all subconsultants. All firms are to be reported on one combined sheet unless the number of firms requires the use of an additional sheet. Failure to submit all of the required data will result in the Expression of Interest not being considered.

Firm's Name and Address	Firm's DBE/SWAM Status *	Firm's Age	Firm's Annual Gross Receipts
BD Environmental & Waste Management	NA	15	\$2,500,000.00
AAA+ Environmental Consultants	YD	13	\$800,250.00
U R S Consulting Contractors, Inc.	YS	7	\$1,250,000.00

* YD = DBE Firm Certified by DMBE

N = DBE/SWAM Firm Not Certified by DMBE

NA = Firm Not Claiming DBE/SWAM Status

YS = SWAM Firm Certified by DMBE. Indicate whether small, woman-owned, or small business.

C112 – Certification of Binding Agreement

Form C-112
Rev. 12-12-05

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION CERTIFICATION OF BINDING AGREEMENT

Project No.: 0058-000-000, C501

Federal Project No.: UP-058-0(217)

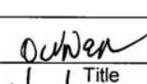
It is hereby certified by the below signed Contractors that there exists a written quote acceptable to both parties preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. A copy of the fully executed subcontract agreement shall be submitted to the Engineer within fourteen (14) working days after contract execution.

It is further certified that the aforementioned mutually acceptable quote and fully executed subcontract agreement represent the entire agreement between the two parties and that no conversations, verbal agreements, or other forms of non-written representations shall serve to add to, delete, or modify the terms as stated.

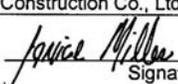
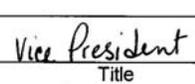
The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime's contract with the Department or for such longer period as provisions of governing Federal or State law or regulations may require.

Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

DBE/WBE Contractor Always Contracting Co., Inc.

By:  
Signature Title
Date: 2/10/08

Prime Contractor: Sure Construction Co., Ltd.

By:  
Signature Title
Date: 2/10/08

Note: This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement.

C5 – Project Closeout

Form C-5
Rev. 12-8-05

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
REPORTING STARTING AND COMPLETION OF PROJECTS

County Chesterfield Residency Chesterfield Date 11/02/06
 District Richmond Contract Id. No. C00052992C01C
 State Proj. No. 0677-020-332,C501,B689; Federal Project No. STP-5127(494)
0677-020-S17,C501 PPMS No. 00052992
 Contractor Corman Construction, Incorporated, 12001 Guilford Road, Annapolis Junction, MD 20701

	DATE STARTED	DATE COMPLETED
Contract Work	<u>07/18/05</u>	<u>11/02/06</u>
State Force Account	<u>07/18/05</u>	
R.R. Work	<u>N/A</u>	
Utilities	<u>01/18/03</u>	

All work on the Agreement Estimate dated _____ was completed _____ and this project is ready for final inspection by the Federal Highway Administration.

The above project was inspected on 11/02/06 by R. Shane Mann, P.E.
 (Name)

ACE, Central Region and found to be clear of all encroachments except permissible utilities otherwise
 (Title)
 noted below.

All entrances have been inspected prior to final acceptance, as set forth in the Construction Manual, and found to be satisfactory excepts as noted below.

Unless otherwise noted below, the project termini were not altered during construction.

REMARKS OR EXPLANATIONS:

R. Shane Mann, P.E. *R. S. M.*
 Area Construction Engineer/Central Region
 For *[Signature]*
 District Administrator

- Copy:
- Scheduling and Contract Engineer
 - Asset Management Division Administrator (Maintenance Projects, Schedules, and State Force Projects)
 - Programming Director
 - Location and Design Engineer
 - Environmental Division Administrator
 - Materials Engineer
 - Right of Way and Utilities Director
 - Fiscal Manager
 - Director of Rail, Department of Rail and Public Transportation (Projects Involving Railroads only)
 - State Traffic Engineer
 - Local Assistance Director
 - Administrative Services Division Administrator (Capital Outlay Projects Only)
 - Construction Engineer
 - Project Inspector
 - Contractor (Starting and completion of contract work only)
 - Division Administrator, Federal Highway Administration
 - Information Technology Division (HTRIS)

RECEIVED

NOV 06 2006

CONTRACT ADMINISTRATION
RICHMOND DISTRICT

(CONTINUED)

SM + distributed
11/2/06 phm/ssw

SERP Checklist

SERP Checklist

Project Information			
Project Name:	Route 1 - Bus Rapid Transit Related Improvements		
Project Number:	0001-000-107, C501, P101	UPC:	72898
Route Number:	1		
Project Limit--From:	ALEXANDRIA CORPORATE LIMITS	To:	PENTAGON

SERP:

Required:	Exempt:	X	Reason for Exemption:	PCE c(8) - Installation ... of traffic signals ... where no substantial land acquisition of traffic disruption will occur.
Coordinator:	Varner, Steven			

Important SERP Milestone Dates:

Date EQ-429 Received:	01/15/2008
IECC Notification Date:	
EQ-429 Suspension Date:	
Date PEI Distributed to IECC:	
PEI Suspension Date:	
IECC Meeting Date (if held):	
Closure Memorandum Distributed:	04/22/2008

Internal SERP Coordination:

Water Quality:	Date EQ-429 sent to WQ:	01/15/2008
District WQ Staff:	Permit Determination Date:	12/02/2004
Bolton, Todd	Permit Required:	No
Endangered Species:	Date GIS/DGIF Database Searched: 04/08/2008 (Search not required: Yes)	
	Clear from DGIF Database Search? No Species: No, No Habitat/Isolated: No	
	Date Clearance Letter Received from Don West/Leo Snead:	
	Additional coordination required: No	
Cultural Resources:	Date EQ-429 Sent to CR:	01/15/2008
Regional CR Staff:	Send PEI to DHR?:	No
Ross, Helen	Clearance Received:	No
Hazardous Materials:	Date GIS searched for LUSTs:	04/11/2008
District HM Staff:	Sites located:	No
Cooper, Brutus B.	Date HM Staff Notified:	01/15/2008
Noise Abatement:	Date Air & Noise Project Scoping Form Completed:	



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04/22/2008

If you checked Yes to any of the boxes on the Noise Section of the Form:

Date PEI Sent to Noise Section:

External SERP Coordination:

Resource Agency	Date EN Reply Received	Wants Copy of PEI?	Date PEI Reply Received	Wants IECC Meeting?	Comments
Department of Agriculture and Consumer Services	N/A	N/A	N/A	No	
Department of Conservation and Recreation		No		No	
Department of Environmental Quality - Air Division		No		No	
Department of Environmental Quality - Waste Division		No		No	
Department of Environmental Quality - Water Division		No		No	
Department of Forestry		No		No	
Department of Game and Inland Fisheries	N/A	N/A		No	
Department of Health Date GIS Searched: No VDH Sites Located: No		No		No	
Department of Historic Resources		No		No	
Department of Mines, Minerals, and Energy		No		No	
Virginia Marine Resources Commission		No		No	
Virginia Outdoors Foundation		No		No	



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04/22/2008

Request for Award



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION

RICHMOND DISTRICT
2430 Pine Forest Drive
COLONIAL HEIGHTS, VA 23834
www.VDOT.Virginia.gov

DAVID S. EKERN, P.E.
COMMISSIONER

November 29, 2006

MEMORANDUM

TO: Ms. Betty Cousins, Scheduling & Contract Division
FROM: Keith Michael Rider, Sandston Residency
SUBJECT: VDOT Project 7679-043-177, PE101, RW201, C501
County Project 556118-704-463-00
UPC 16152
Hungary Spring Road Improvements

Request for Contract Award

The above project is being administered by the County of Henrico and is part of their locally maintained secondary roads system, however they cannot award/issue notice to proceed until the Commonwealth has accepted and approved the bid. The County has received **three** bids for the above subject. Only one of the bids received is below the final engineers estimate. The Residency accepts the bids and recommends the release of funds and authorization to the County to proceed with the award of the construction contract to the low bidder. A 9% DBE goal was set for this project and the low bidder has attained an 11.9% of work value. The project consists of road improvements beginning at Broad Street (Route 250) and ends at Staples Mill Road (Route 33) for a total project length of 1.48 miles, and involves widening the existing variable cross-section, which ranges from two-lanes to four-lanes divided, to a consistent four-lane divided curb and gutter section with a raised median.

Enclosed is a letter from the Henrico County Capital Projects Coordinator, Mr. Ancher Madison, requesting approval in which we concur, for the contract price of ~~\$8,869,651.55~~ to construct road improvements. This bid estimate is approximately 12% below engineer's estimate of \$10,116,852. The Department has programmed a total of \$12,955,000 in the SYIP for project. The current total project estimate is \$12,805,242, with \$2,633,868 expended.

Please evaluate their submission and proceed to place it on the agenda for the CTB January meeting for approval. Thank you for your attention and assistance in this matter and should you have any questions, please do not hesitate to call me at 804-328-3099.

Enclosure

Cc: Ms. Maria Dennis

WE KEEP VIRGINIA MOVING



EDWARD L. PRIESTAS, P.E.
DIRECTOR OF PUBLIC WORKS
COUNTY ENGINEER
(804) 501-4393

COMMONWEALTH OF VIRGINIA
COUNTY OF HENRICO

Received
11/15/06

November 14, 2006

Mr. John Crews
Resident Administrator
Sandston Residency
P.O. Box 219
Sandston, Virginia 23150

Attention: Keith Rider, Assistant Residency Administrator/Project Manager

RE: Request for Authorization to Award Construction and Release of Funds
Hungary Spring Road
VDOT Project #7679-043-177, PE101, RW201, C501

Dear Mr. Rider:

This letter forwards the documents of the three lowest bidders that include the bid forms, bid bond and contractors qualifications statement per FHWA requirements.

The County of Henrico requests authorization to award the construction contract to the lowest responsive bidder, and the authorization of the funds for the subject project. Please forward these authorizations in written form to me.

Please note the County has only 90 days to award after the bids are received per statutes.

Should you have any questions concerning this matter, please contact me at 501-4244.

Sincerely,

Ancher L. Madison, P.E.
Capital Projects Coordinator

P.O. BOX 27032 / RICHMOND, VIRGINIA 23273-7032
FAX (804) 501-7470



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Project Summary

UPC	16152					
Project	RTE 7679 - HUNGARY SPRINGS ROAD - WIDENING					
Scope of Work						
Description	SECONDARY - ONE HEARING DESIGN					
Report Note	MPO Project - Balance to be Provided by MPO.					
Fund Source	STP					

Project Location			Estimates & Schedule			
District	Richmond	Jurisdiction	Henrico County	Estimated Cost	Schedule	
Program/System	Secondary	Length	1.4740 MI	Prelim. Eng. (PE)	\$998,000	Complete
Route	7679	Street		Right-of-Way (RW)	\$1,710,000	Complete
MPO Area	Richmond			Construction (CN)	\$10,250,000	Underway
Zip Code	23228, 23294			Total Estimate	\$12,958,000	

Required Allocations

	Previous Allocations	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	Required After 2012
<i>Values in Thousands</i>								
Fund Sources								
RSTP (STP Regional): Secondary: Federal STP Regional - Henrico	\$10,312	\$0	\$0	\$0	\$0	\$0	\$0	
State Match Non-Formula: Secondary: State Match Non-Formula - Henrico	\$2,578	\$0	\$0	\$0	\$0	\$0	\$0	
RSTP (STP Regional): Statewide: A:Federal RSTP	\$52	\$0	\$0	\$0	\$0	\$0	\$0	
State Match Non-Formula: Statewide: State Match Off the Top	\$13	\$0	\$0	\$0	\$0	\$0	\$0	
Total Funding	\$12,955	\$0	\$0	\$0	\$0	\$0	\$0	\$3

Home | Pool | PCES | IPM | Schedule | Funding | CEX | SYP | SSYP | Dashboard | PCFA

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Project Pool
Project Detail

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UPC:

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Summary

[Add Project](#) [Revise Project](#)

Description RTE 7679 - HUNGARY SPRINGS ROAD - WIDENING
State Project # 7679-043-177 **UPC** 16152 **Workflow** ☆ Active

Project Information

[General](#) | [Schedule / Estimates](#) | [Misc](#) | [Jobs](#) | [Classification](#) | [Federal](#) | [Comments](#)

Phases

Has PE Phase Has RW Phase Has CN Phase

Estimates & Expenditures

	Approved Estimate (Final Submission)	Expenditures (FMS)	Authorizations (fms)	Current SYP Estimate (SYP)
Date	11/14/2006	11/9/2006	10/19/2006	7/1/2006
PE	\$1,003,000	\$1,021,231	\$840,000	\$998,000
RW	\$1,685,390	\$1,612,637	\$1,580,778	\$1,710,000
CN	\$10,116,852	\$0	\$0	\$10,250,000
Total	\$12,805,242	\$2,633,868	\$2,420,778	\$12,958,000

Programming Schedule

	PE	RW	CN
Start	7/10/1995	6/12/2002	9/30/2006
End	6/12/2002	9/30/2006	

Construction Project Events

Awarded Date	Contract Letting
Estimated Construction Completion	Construction Started
Contract Execution	Construction Completed
Awarded Amount	

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Hungary Springs Road - Bid Tab

Bid Opening Date: November 14, 2006
 Bid Invitation Number: 06-7980-8CE
 Henrico Project Number: 2110.50704.28004.00579 (formerly 555540-704-154-00)
 VDOT Project Number: 7679-043-177, PE101, RW201, CS01

No.	Sec.	Item	Quantities	Unit	Central Contracting Co., Inc.		Skemore Construction Corp/ral		Baterstate Construction Corporation dba Brascome Richmond		Average Contractor		Engineer's Estimate	
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
INCIDENTAL ITEMS														
1	SP	Construction Surveys	1	L.S	\$188,000.00	\$188,000.00	\$130,950.00	\$130,950.00	\$110,000.00	\$110,000.00	\$142,583.33	\$142,583.33	\$75,000.00	\$75,000.00
2	301	Clearing & Grubbing	3.9	Ac	\$13,000.00	\$50,700.00	\$20,250.00	\$78,975.00	\$30,000.00	\$117,000.00	\$21,083.33	\$82,733.00	\$5,000.00	\$19,500.00
3	314	Field Office - Type II	12	MO	\$1,000.00	\$12,000.00	\$1,937.50	\$23,250.00	\$2,200.00	\$26,400.00	\$2,379.17	\$28,550.00	\$2,200.00	\$26,400.00
4	311	Allaying Dust (Water)	200	HRS	\$20.00	\$7,000.00	\$16.88	\$5,908.00	\$30.00	\$10,500.00	\$22.29	\$7,802.67	\$30.00	\$7,000.00
5	304	Hydraulic Cement Conc. Sidewalk 4"	5,438	S.Y	\$26.40	\$144,091.20	\$49.50	\$270,171.00	\$35.00	\$191,030.00	\$26.97	\$146,564.07	\$30.00	\$163,740.00
6	304	No. 21B Aggregate (Under Sidewalk)	995	TONS	\$12.50	\$12,437.50	\$21.94	\$21,925.70	\$25.00	\$24,875.00	\$19.81	\$19,821.73	\$17.00	\$16,935.00
7	310	Remove and Reest Class Link Fence	48	L.F	\$19.00	\$912.00	\$37.13	\$1,783.24	\$50.00	\$2,400.00	\$35.38	\$1,698.08	\$10.00	\$480.00
8	304	CG-12 Detectable Warning Surface	35	S.Y	\$330.00	\$11,550.00	\$468.17	\$24,391.35	\$480.00	\$23,040.00	\$399.39	\$21,960.43	\$35.00	\$1,225.00
9	SP	Saw Cut (Roadway)	1,091	L.F	\$2.30	\$2,713.30	\$5.38	\$5,877.38	\$8.00	\$8,728.00	\$4.63	\$5,047.69	\$5.00	\$5,455.00
10	302	Sid. Henrico Co. Curb & Gutter	9,989	L.F.	\$15.30	\$152,631.00	\$21.38	\$213,372.40	\$17.00	\$169,660.00	\$17.89	\$178,575.47	\$15.00	\$149,700.00
11	302	Sid. Henrico Co. Rad. Curb & Gutter	5,326	L.F.	\$15.83	\$84,277.10	\$21.38	\$113,888.88	\$17.00	\$90,542.00	\$18.08	\$96,122.99	\$19.00	\$101,194.00
12	302	Sid. Henrico Co. Median Curb	38	L.F.	\$13.10	\$497.80	\$21.38	\$812.44	\$17.00	\$646.00	\$17.16	\$652.08	\$20.00	\$760.00
13	302	Sid. Henrico Co. Rad. Median Curb	53	L.F.	\$13.63	\$723.45	\$21.38	\$1,133.14	\$17.00	\$901.00	\$17.34	\$919.20	\$20.00	\$1,060.00
14	302	Median Strip S/C M5-1 4" & Varies	1049	S.Y.	\$71.30	\$74,796.00	\$95.63	\$99,453.20	\$70.00	\$73,400.00	\$79.04	\$83,025.07	\$65.00	\$68,200.00
15	302	Median Strip S/C M5-2	743	L.F.	\$30.00	\$22,290.00	\$43.75	\$32,763.25	\$35.00	\$26,000.00	\$35.92	\$26,688.08	\$40.00	\$29,720.00
16	302	Overhead Terminal S/C CR-2	2	EA.	\$3,450.00	\$7,000.00	\$2,342.50	\$4,725.00	\$2,400.00	\$4,800.00	\$3,470.83	\$4,941.67	\$500.00	\$1,000.00
17	302	Overhead Terminal S/C CR-4	13	L.F.	\$80.00	\$1,040.00	\$90.00	\$1,170.00	\$90.00	\$1,170.00	\$86.67	\$1,126.67	\$23.00	\$299.00
18	302	Sid. CR-2 "Chimes" (or equal) w/ Steel Posts & Bikes	318	L.F.	\$21.50	\$6,837.00	\$28.13	\$8,945.34	\$29.00	\$9,222.00	\$26.21	\$8,334.78	\$30.00	\$9,540.00
19	302	Sid. CR-2 "Chimes" (or equal) w/ Steel Posts & Bikes	92	L.F.	\$23.10	\$2,125.20	\$31.50	\$2,898.00	\$32.00	\$2,944.00	\$28.87	\$2,655.73	\$30.00	\$2,760.00
20	302	Sid. CR-10, Type 1	2	L.F.	\$28.60	\$57.20	\$45.00	\$90.00	\$50.00	\$100.00	\$41.20	\$82.40	\$60.00	\$120.00
21	310	Remove Existing Overhead	177	L.F.	\$5.50	\$973.50	\$9.00	\$1,593.00	\$9.00	\$1,593.00	\$7.83	\$1,386.50	\$10.00	\$1,770.00
22	304	Sid. Henrico Co. Private Entrance	1181	S.Y.	\$71.30	\$84,441.30	\$74.42	\$87,890.02	\$57.00	\$67,317.00	\$67.64	\$79,882.84	\$70.00	\$83,670.00
23	304	Sid. Henrico Co. Commercial Entrance	800	S.Y.	\$71.30	\$57,000.00	\$74.42	\$59,528.00	\$60.00	\$48,000.00	\$72.39	\$57,913.00	\$100.00	\$80,000.00
24	308	Chemistry Roadway	9	LNFT	\$150.00	\$1,350.00	\$162.50	\$1,462.50	\$1,300.00	\$13,500.00	\$737.50	\$6,637.50	\$1,300.00	\$11,900.00
25	306	Retaining Wall Existing	223	C.Y.	\$12.00	\$2,676.00	\$32.07	\$7,154.61	\$25.00	\$5,575.00	\$30.02	\$6,695.20	\$30.00	\$6,690.00
26	306	Class 1 Concrete (For Retaining Wall)	135	C.Y.	\$83.50	\$11,272.50	\$24.75	\$3,341.25	\$25.00	\$3,375.00	\$28.25	\$3,813.75	\$20.00	\$2,700.00
27	306	Reinforcing Steel S-2	47	C.Y.	\$100.00	\$4,700.00	\$24.25	\$1,141.75	\$30.00	\$1,410.00	\$34.75	\$1,634.25	\$10.00	\$470.00
28	304	Concrete Street S/C S-2	0.84	C.Y.	\$1,650.00	\$1,386.00	\$1,884.38	\$1,582.88	\$1,300.00	\$1,090.00	\$1,678.13	\$1,409.63	\$200.00	\$168.00
29	304	Handrail S/C HP-1	324	L.F.	\$18.00	\$5,832.00	\$13.00	\$4,212.00	\$13.00	\$4,212.00	\$12.67	\$4,106.67	\$15.00	\$4,860.00
30	310	Remove & Reconstruct Hyd. Comm (Conc.) Sidewalk - (4')	33	S.Y.	\$50.00	\$1,650.00	\$113.88	\$3,758.04	\$85.00	\$2,805.00	\$83.63	\$2,760.67	\$200.00	\$6,600.00
31	219	Sid. Henrico Co. R.O.W. Monuments	107	EA.	\$200.00	\$21,400.00	\$112.50	\$12,037.50	\$150.00	\$16,050.00	\$154.17	\$16,495.83	\$200.00	\$21,400.00
32	310	Remove Concrete Pipe Outside of Roadway	182	L.F.	\$18.00	\$3,276.00	\$21.38	\$3,891.16	\$20.00	\$3,600.00	\$20.46	\$3,723.72	\$23.00	\$4,189.00
33	309	Aggregate Base Material, Type I, No. 21-B	2533	TONS	\$10.50	\$26,596.50	\$18.57	\$47,017.81	\$18.00	\$45,594.00	\$15.69	\$39,747.77	\$18.00	\$45,594.00
34	310	Reest End of Fence	19	EA.	\$330.00	\$6,270.00	\$399.75	\$7,595.25	\$1,000.00	\$19,000.00	\$574.38	\$5,743.80	\$500.00	\$5,000.00
35	314	Clearing Parcel (Slope Task Closing & Removal)	3	EA.	\$2,500.00	\$7,500.00	\$5,653.00	\$17,259.00	\$5,000.00	\$15,000.00	\$4,375.00	\$12,125.00	\$1,500.00	\$4,500.00
36	314	Clearing Parcel (Drain Field Closing & Removal)	3	EA.	\$2,500.00	\$7,500.00	\$11,250.00	\$33,750.00	\$5,000.00	\$15,000.00	\$6,250.00	\$18,750.00	\$1,500.00	\$4,500.00
37	316	Wall Closing	1	EA.	\$2,500.00	\$2,500.00	\$542.50	\$542.50	\$1,500.00	\$1,500.00	\$1,300.83	\$1,300.83	\$2,500.00	\$2,500.00
38	SP	Remove and Reest Light Pole	7	EA.	\$2,750.00	\$19,250.00	\$2,250.00	\$15,750.00	\$3,200.00	\$24,800.00	\$2,833.33	\$19,833.33	\$2,000.00	\$14,000.00
TOTAL INCIDENTAL ITEMS						\$1,131,768.45		\$1,459,354.50		\$1,168,412.00		\$1,186,512.32		\$956,855.00
PAVEMENT ITEMS														
39	309	Aggr. Base Material, Type I, No. 21-B (Incl. Rdway, Drways, C & G, & M of T)	49,228	TON	\$10.50	\$516,894.00	\$16.32	\$803,400.96	\$16.00	\$787,648.00	\$14.27	\$702,647.65	\$15.00	\$738,420.00
40	315	Asphalt Conc. Base Course, Type BM-25	23,682	TON	\$50.80	\$1,202,045.60	\$54.68	\$1,294,931.76	\$58.30	\$1,385,997.00	\$54.66	\$1,294,438.12	\$60.00	\$1,420,920.00
41	315	Surface Course SM-6 SD	8,430	TON	\$28.40	\$239,412.00	\$41.43	\$350,356.20	\$30.00	\$252,900.00	\$29.24	\$246,565.20	\$30.00	\$253,800.00
42	205	Crusher Run Aggregate No. 25 or 26	145	TON	\$12.50	\$1,812.50	\$18.13	\$2,639.05	\$20.00	\$2,900.00	\$17.21	\$2,505.45	\$15.00	\$2,175.00
43	312	Flexible Pavement Fining	9688	S.Y.	\$1.85	\$17,818.00	\$1.94	\$18,800.52	\$2.50	\$24,220.00	\$2.13	\$20,633.44	\$7.00	\$67,816.00
TOTAL PAVEMENT ITEMS						\$2,228,673.90		\$2,646,376.99		\$2,179,265.00		\$2,041,184.96		\$1,847,581.00
EARTHWORK ITEMS														
44	SP	Regular Excavation	44,076	CY	\$11.50	\$506,874.00	\$18.87	\$831,714.12	\$19.00	\$837,204.00	\$19.79	\$872,364.04	\$12.00	\$528,912.00
45	SP	Rock Excavation	100	CY	\$150.00	\$15,000.00	\$140.63	\$14,063.00	\$250.00	\$25,000.00	\$180.21	\$18,021.00	\$250.00	\$25,000.00
TOTAL EARTHWORK ITEMS						\$521,874.00		\$846,777.12		\$812,204.00		\$890,385.04		\$553,912.00
DRAINAGE ITEMS														
46	302	12" Pipe Class III Concrete	13	L.F.	\$35.00	\$455.00	\$45.00	\$585.00	\$70.00	\$910.00	\$840.00	\$10,920.00	\$40.00	\$520.00
47	302	15" Pipe Class III Concrete	5,934	L.F.	\$30.00	\$178,020.00	\$48.38	\$286,086.52	\$70.00	\$415,380.00	\$49.66	\$294,855.64	\$38.00	\$225,492.00
48	302	18" Pipe Class III Concrete	1,512	L.F.	\$35.00	\$52,920.00	\$51.75	\$78,244.00	\$72.00	\$109,440.00	\$52.24	\$78,984.30	\$73.00	\$111,324.00
49	302	24" Pipe Class III Concrete	3,313	L.F.	\$45.00	\$149,115.00	\$61.88	\$205,112.20	\$90.00	\$298,170.00	\$65.63	\$217,552.40	\$50.00	\$165,750.00
50	302	27" Pipe Class III Concrete	59	L.F.	\$60.00	\$3,540.00	\$69.75	\$4,115.25	\$100.00	\$5,900.00	\$76.38	\$4,518.43	\$75.00	\$4,425.00
51	302	30" Pipe Class III Concrete	2,132	L.F.	\$60.00	\$127,920.00	\$73.13	\$156,913.16	\$120.00	\$255,840.00	\$84.38	\$179,891.03	\$100.00	\$213,200.00
52	302	36" Pipe Class III Concrete	139	L.F.	\$80.00	\$11,120.00	\$112.50	\$15,637.50	\$150.00	\$20,250.00	\$114.17	\$15,869.17	\$150.00	\$20,850.00
53	302	42" Pipe Class III Concrete	57	L.F.	\$100.00	\$5,700.00	\$126.88	\$6,092.16	\$180.00	\$10,260.00	\$128.96	\$7,350.72	\$200.00	\$11,400.00
54	302	48" Pipe Class III Concrete	1,080	L.F.	\$133.00	\$143,640.00	\$129.38	\$139,730.40	\$200.00	\$216,000.00	\$133.79	\$144,696.80	\$225.00	\$243,000.00
55	302	54" Pipe Class III Concrete	8	L.F.	\$200.00	\$1,600.00	\$146.23	\$1,170.00	\$300.00	\$2,400.00	\$213.47	\$1,707.73	\$350.00	\$2,800.00
56	302	23"x14" Elliptical Conc. Pipe	69	L.F.	\$88.00	\$6,072.00	\$83.50	\$5,799.50	\$100.00	\$6,900.00	\$91.17	\$6,290.30	\$90.00	\$6,210.00

Hungary Springs Road - Bid Tab

Bid Opening Date: November 14, 2006

Bid Invitation Number: 06-7980-8CE

Henrico Project Number: 2110.50704.28004.00579 (formerly 555540-704-154-00)

VDOT Project Number: 7679-043-177, PE101, RW201, CS01

No.	Sec.	Item	Quantities	Unit	Central Contracting Co., Inc.		Mckinnon Construction Corporation		Interstate Construction Corporation dba Bransome Richmond		Average Contractor		Engineer's Estimate	
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
27	302	14"x22" Elliptical Conc. Pipe	283	LF	\$91.00	\$25,933.00	\$112.30	\$31,862.50	\$140.00	\$39,800.00	\$114.50	\$32,322.50	\$150.00	\$42,750.00
28	302	60"x36" Elliptical Conc. Pipe	91	LF	\$183.00	\$16,653.00	\$212.75	\$19,451.25	\$250.00	\$22,750.00	\$215.28	\$19,618.68	\$300.00	\$27,300.00
29	302	30" End Section SVL ES-1	1	EA	\$1,000.00	\$1,000.00	\$1,800.00	\$1,800.00	\$1,200.00	\$1,200.00	\$1,333.33	\$1,333.33	\$1,200.00	\$1,200.00
40	302	36" End Section SVL ES-1	1	EA	\$1,500.00	\$1,500.00	\$2,137.50	\$2,137.50	\$1,700.00	\$1,700.00	\$1,779.17	\$1,779.17	\$1,500.00	\$1,500.00
41	SP	Pipe Backfill Aggregate #210	13,653	TON	\$10.50	\$143,356.50	\$24.75	\$337,911.75	\$35.00	\$481,325.00	\$20.08	\$274,197.25	\$16.00	\$218,448.00
42	SP	Minor Str. Excav. Pipe Culvert	3,674	C.Y.	\$12.00	\$44,088.00	\$32.75	\$120,297.50	\$35.00	\$129,590.00	\$26.92	\$98,891.82	\$21.00	\$77,154.00
43	SP	Minor Str. Excav. Box Culvert	18	C.Y.	\$100.00	\$1,800.00	\$24.30	\$437.40	\$75.00	\$1,350.00	\$66.43	\$1,195.80	\$75.00	\$1,350.00
44	302	Erosion Control Stone EC-1 Class I	30.0	TON	\$73.00	\$2,190.00	\$83.50	\$2,505.00	\$100.00	\$3,000.00	\$86.83	\$2,605.00	\$100.00	\$3,000.00
45	302	Erosion Control Stone EC-1 Class II	11.8	TON	\$100.00	\$1,180.00	\$95.63	\$1,127.84	\$125.00	\$1,487.50	\$104.88	\$1,238.58	\$125.00	\$1,487.50
46	302	Deep Inlet DI-1	1	EA	\$3,050.00	\$3,050.00	\$3,037.50	\$3,037.50	\$2,200.00	\$2,200.00	\$2,762.50	\$2,762.50	\$2,200.00	\$2,200.00
47	302	Deep Inlet DI-3A	15	EA	\$3,500.00	\$52,500.00	\$2,137.50	\$32,062.50	\$2,100.00	\$31,500.00	\$2,243.83	\$33,657.50	\$2,200.00	\$33,000.00
48	302	Deep Inlet DI-3B, L=4'	23	EA	\$2,500.00	\$57,500.00	\$2,730.00	\$62,790.00	\$2,200.00	\$48,600.00	\$2,316.67	\$51,283.33	\$2,400.00	\$55,200.00
49	302	Deep Inlet DI-3B, L=6'	37	EA	\$2,610.00	\$96,370.00	\$2,587.50	\$95,137.50	\$2,300.00	\$83,100.00	\$2,499.17	\$92,469.17	\$2,600.00	\$96,200.00
70	302	Deep Inlet DI-3B, L=8'	14	EA	\$2,880.00	\$40,320.00	\$2,700.00	\$37,800.00	\$2,500.00	\$35,000.00	\$2,693.33	\$37,706.67	\$2,800.00	\$39,200.00
71	302	Deep Inlet DI-3B, L=10'	3	EA	\$2,710.00	\$8,130.00	\$2,812.50	\$8,437.50	\$2,800.00	\$8,400.00	\$2,754.17	\$8,262.50	\$3,000.00	\$9,000.00
72	302	Deep Inlet DI-3B, L=12'	2	EA	\$4,250.00	\$8,500.00	\$3,937.50	\$7,875.00	\$3,100.00	\$6,200.00	\$3,762.50	\$7,525.00	\$3,600.00	\$7,200.00
73	302	Deep Inlet DI-3B, L=14'	1	EA	\$3,490.00	\$3,490.00	\$3,937.50	\$3,937.50	\$3,100.00	\$3,100.00	\$3,509.17	\$3,509.17	\$2,800.00	\$2,800.00
74	302	Deep Inlet DI-3B, L=16'	2	EA	\$4,250.00	\$8,500.00	\$4,612.50	\$9,225.00	\$3,700.00	\$7,400.00	\$4,020.83	\$8,041.67	\$3,200.00	\$6,400.00
75	302	Deep Inlet DI-3B, L=18'	3	EA	\$5,340.00	\$16,020.00	\$5,625.00	\$16,875.00	\$4,000.00	\$12,000.00	\$4,988.33	\$14,965.00	\$3,000.00	\$9,000.00
76	302	Deep Inlet DI-3C, L=6'	7	EA	\$3,040.00	\$21,280.00	\$2,700.00	\$18,900.00	\$2,700.00	\$18,900.00	\$2,680.00	\$18,760.00	\$3,000.00	\$21,000.00
77	302	Deep Inlet DI-3D	1	EA	\$1,630.00	\$1,630.00	\$2,230.00	\$2,230.00	\$2,300.00	\$2,300.00	\$2,060.00	\$2,060.00	\$3,000.00	\$3,000.00
78	302	Deep Inlet DI-3D, L=4'	2	EA	\$4,140.00	\$8,280.00	\$3,600.00	\$7,200.00	\$2,900.00	\$5,800.00	\$3,546.67	\$7,093.33	\$3,700.00	\$7,400.00
79	302	Deep Inlet DI-4A	3	EA	\$3,260.00	\$9,780.00	\$3,262.50	\$9,787.50	\$3,400.00	\$10,200.00	\$3,307.50	\$9,922.50	\$3,400.00	\$10,200.00
80	302	Deep Inlet DI-7	1	EA	\$2,820.00	\$2,820.00	\$2,925.00	\$2,925.00	\$2,600.00	\$2,600.00	\$2,781.67	\$2,781.67	\$3,000.00	\$3,000.00
81	302	Deep Inlet DI-4B, L=10'	1	EA	\$4,460.00	\$4,460.00	\$4,500.00	\$4,500.00	\$4,600.00	\$4,600.00	\$4,520.00	\$4,520.00	\$3,700.00	\$3,700.00
82	302	Deep Inlet DI-4B, L=10'	1	EA	\$5,830.00	\$5,830.00	\$5,400.00	\$5,400.00	\$5,000.00	\$5,000.00	\$5,410.00	\$5,410.00	\$4,000.00	\$4,000.00
83	302	Deep Inlet DI-4C, L=4'	3	EA	\$3,970.00	\$11,910.00	\$3,937.50	\$11,812.50	\$3,600.00	\$10,800.00	\$3,833.83	\$11,507.50	\$3,500.00	\$10,500.00
84	302	Deep Inlet DI-4E, L=4'	2	EA	\$7,640.00	\$15,280.00	\$7,537.50	\$15,075.00	\$5,500.00	\$11,000.00	\$6,892.50	\$13,785.00	\$5,800.00	\$11,600.00
85	302	Deep Inlet DI-4E, L=6'	1	EA	\$4,240.00	\$4,240.00	\$4,050.00	\$4,050.00	\$4,000.00	\$4,000.00	\$4,096.67	\$4,096.67	\$3,700.00	\$3,700.00
86	302	Deep Inlet DI-4E, L=10'	1	EA	\$4,790.00	\$4,790.00	\$4,725.00	\$4,725.00	\$4,000.00	\$4,000.00	\$4,503.00	\$4,503.00	\$4,000.00	\$4,000.00
87	302	Deep Inlet DI-2B, L=4'	16	EA	\$2,500.00	\$40,000.00	\$2,500.00	\$40,000.00	\$2,500.00	\$40,000.00	\$2,641.67	\$42,266.67	\$2,800.00	\$44,800.00
88	302	Deep Inlet DI-4C, L=4'	1	EA	\$5,450.00	\$5,450.00	\$5,175.00	\$5,175.00	\$4,500.00	\$4,500.00	\$5,041.67	\$5,041.67	\$3,500.00	\$3,500.00
89	302	48" MH-1 or MH-2	17.5	LF	\$370.00	\$6,465.00	\$450.00	\$7,875.00	\$400.00	\$7,000.00	\$582.00	\$10,185.00	\$550.00	\$9,825.00
90	302	60" MH-2	43.6	LF	\$265.00	\$11,551.00	\$675.00	\$29,227.50	\$575.00	\$25,075.00	\$583.00	\$25,506.00	\$700.00	\$30,520.00
91	302	72" MH-2	30.4	LF	\$675.00	\$20,520.00	\$900.00	\$27,270.00	\$700.00	\$21,280.00	\$758.33	\$23,051.00	\$750.00	\$22,500.00
92	302	84" MH-2	11.4	LF	\$1,100.00	\$12,540.00	\$1,350.00	\$15,390.00	\$1,200.00	\$13,680.00	\$1,216.67	\$13,870.00	\$900.00	\$10,260.00
93	302	96" MH-2	9.5	LF	\$1,200.00	\$11,400.00	\$1,350.00	\$12,825.00	\$1,200.00	\$11,400.00	\$1,250.00	\$11,875.00	\$1,100.00	\$10,450.00
94	302	120" MH-2	16.1	LF	\$1,350.00	\$21,735.00	\$1,800.00	\$28,980.00	\$1,500.00	\$24,150.00	\$1,550.00	\$24,955.00	\$1,500.00	\$22,500.00
95	302	MH-1 Frame & Cover	17	EA	\$200.00	\$3,400.00	\$262.50	\$4,462.50	\$350.00	\$5,950.00	\$404.17	\$6,870.83	\$300.00	\$5,100.00
96	302	Conc. Class A-3 Min.	8.10	C.Y.	\$1,000.00	\$8,100.00	\$1,462.50	\$11,846.25	\$1,150.00	\$9,315.00	\$1,204.17	\$9,753.75	\$1,300.00	\$10,650.00
97	302	Conc. to Existing Manhole	3	EA	\$1,000.00	\$3,000.00	\$6,187.50	\$18,562.50	\$3,500.00	\$10,500.00	\$3,562.50	\$10,687.50	\$900.00	\$2,700.00
98	302	Conc. to Existing Inlet	3	EA	\$1,000.00	\$3,000.00	\$6,187.50	\$18,562.50	\$3,500.00	\$10,500.00	\$3,529.17	\$10,588.33	\$800.00	\$2,400.00
99	302	Conc. to Existing Pipe	25	EA	\$700.00	\$17,500.00	\$3,937.50	\$98,437.50	\$1,000.00	\$25,000.00	\$1,879.17	\$46,979.17	\$800.00	\$20,000.00
100	302	Conc. Class A4	30.0	C.Y.	\$1,100.00	\$33,000.00	\$1,462.50	\$43,875.00	\$1,150.00	\$32,250.00	\$1,237.50	\$37,125.00	\$1,100.00	\$33,000.00
101	302	Reinf. Steel	2,797	LBS	\$2.30	\$6,433.10	\$2.25	\$6,282.75	\$1.50	\$4,192.50	\$1.98	\$5,537.38	\$3.00	\$8,391.00
102	501	Underdrain 504, 10x3	211	LF	\$30.00	\$6,330.00	\$32.50	\$6,857.50	\$17.00	\$3,581.00	\$23.17	\$4,888.17	\$27.00	\$5,697.00
103	501	Underdrain 504, 10x4 (perforated pipe)	12,285	LF	\$5.50	\$67,567.50	\$10.11	\$124,201.35	\$10.00	\$122,850.00	\$8.54	\$104,872.55	\$6.00	\$73,710.00
104	501	Underdrain 504, 10x4 (non-perforated pipe)	2,648	LF	\$6.00	\$15,888.00	\$10.13	\$26,824.24	\$20.00	\$52,960.00	\$15.04	\$39,834.73	\$7.00	\$18,536.00
105	501	Combination Underdrain 504, CD-1	493	LF	\$10.00	\$4,930.00	\$20.25	\$10,012.25	\$20.00	\$9,860.00	\$16.75	\$8,262.75	\$10.00	\$4,930.00
106	501	Combination Underdrain 504, CD-2	134	LF	\$10.00	\$1,340.00	\$20.25	\$2,713.50	\$20.00	\$2,680.00	\$16.75	\$2,244.50	\$10.00	\$1,340.00
TOTAL DRAINAGE ITEMS						\$1,884,291.40		\$2,339,947.87		\$2,625,924.50		\$2,183,431.86		\$2,018,408.00
STORM WATER MANAGEMENT														
107	SP	SWM Basin No. 1 (Mod. Exis. SWM Basin)	1	L.S.	\$71,000.00	\$71,000.00	\$140,880.38	\$140,880.38	\$120,000.00	\$120,000.00	\$110,626.79	\$110,626.79	\$25,000.00	\$25,000.00
108	SP	Temporary Sediment Basin No. 2	1	L.S.	\$148,000.00	\$148,000.00	\$239,637.25	\$239,637.25	\$310,000.00	\$310,000.00	\$232,542.42	\$232,542.42	\$30,000.00	\$30,000.00
109	SP	Temporary Sediment Trap No. 1	1	L.S.	\$31,000.00	\$31,000.00	\$48,475.13	\$48,475.13	\$55,000.00	\$55,000.00	\$44,825.04	\$44,825.04	\$18,000.00	\$18,000.00
TOTAL STORM WATER MANAGEMENT						\$250,000.00		\$428,992.76		\$485,000.00		\$387,994.25		\$73,000.00
EROSION CONTROL ITEMS														
110	302	Siltation Control Excavation	4,203	C.Y.	\$15.00	\$63,045.00	\$22.50	\$94,567.50	\$15.00	\$63,045.00	\$17.50	\$73,552.50	\$22.00	\$92,466.00
111	302	Erosion Control Class I Rip Rap	330	TON	\$73.00	\$24,090.00	\$63.00	\$20,790.00	\$75.00	\$24,750.00	\$71.00	\$23,430.00	\$60.00	\$19,800.00
112	302	Downsizing Basin	1	EA	\$500.00	\$500.00	\$1,487.50	\$1,487.50	\$2,000.00	\$2,000.00	\$1,395.83	\$1,395.83	\$1,700.00	\$1,700.00
113	302	Deep Inlet 504, Type A	30	EA	\$100.00	\$3,000.00	\$112.50	\$3,375.00	\$200.00	\$2,000.00	\$137.50	\$4,125.00	\$200.00	\$2,000.00
114	302	Deep Inlet 504, Type B	124	EA	\$100.00	\$12,400.00	\$112.50	\$13,950.00	\$200.00	\$24,800.00	\$137.50	\$17,050.00	\$200.00	\$24,800.00
115	302	Temporary Filter Barrier	5,337	LF	\$2.00	\$10,674.00	\$3.38	\$18,039.96	\$2.50	\$13,342.50	\$2.63	\$14,018.51	\$3.00	\$16,014.00
116	302	Temporary Silt Fence	3,343	LF</										

Hungary Springs Road - Bid Tab

Bid Opening Date: November 14, 2006

Bid Invitation Number: 06-7980-8CE

Henrico Project Number: 2110.50704.28004.00579 (formerly 555540-704-154-00)

VDOT Project Number: 7679-043-177, PE101, RW201, C501

No.	Sec.	Item	Quantities	Unit	Central Contracting Co., Inc.		Akersome Construction Corporal		Interstate Construction Corporation dba Branscome Richmond		Average Contractor		Engineer's Estimate	
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
TOTAL EROSION CONTROL ITEMS						\$197,155.00		\$183,677.15		\$160,164.50		\$168,999.55		\$191,817.00
ROADSIDE DEVELOPMENT ITEMS														
120	602	Topsoil 2" Class A	3.20	AC	\$10,000.00	\$33,000.00	\$11,500.00	\$44,500.00	\$8,000.00	\$26,400.00	\$10,500.00	\$33,600.00	\$12,000.00	\$39,600.00
121	603	Regular Seeding	634	LB	\$17.20	\$8,368.80	\$12.38	\$7,848.92	\$11.00	\$6,974.00	\$12.19	\$7,730.37	\$12.00	\$7,608.00
122	603	Over Seeding	792	LB	\$6.60	\$5,227.20	\$3.38	\$2,676.96	\$5.00	\$3,960.00	\$4.99	\$3,954.72	\$6.00	\$4,752.00
123	603	Fertilizer (13-30-15)	1	TON	\$770.00	\$770.00	\$675.00	\$675.00	\$750.00	\$750.00	\$731.67	\$731.67	\$700.00	\$700.00
124	603	Lime	7	TON	\$160.00	\$1,120.00	\$112.50	\$787.50	\$200.00	\$1,400.00	\$137.50	\$962.50	\$150.00	\$1,050.00
125	SP	Wetland Seeding	30	LB	\$200.00	\$6,000.00	\$141.75	\$4,252.50	\$150.00	\$4,500.00	\$163.92	\$4,917.50	\$65.00	\$1,950.00
TOT. ROADSIDE DEVELOP. ITEMS						\$54,486.00		\$40,790.88		\$43,984.00		\$53,086.94		\$55,668.00
MAINTENANCE OF TRAFFIC														
126	SP	Maintenance Of Traffic (Signs, Barriercds, & Channelizing Devices)	1	L.S.	\$269,000.00	\$269,000.00	\$200,452.79	\$200,452.79	\$830,000.00	\$830,000.00	\$439,817.60	\$439,817.60	\$125,000.00	\$125,000.00
TRAFFIC ITEMS														
127	512	Cont. Pmt's Mkt. Type A (24" Stop Bar)	300	L.F.	\$5.50	\$1,650.00	\$5.63	\$1,689.00	\$3.25	\$975.00	\$4.79	\$1,437.00	\$11.00	\$3,300.00
128	512	Eradication of Exist. Pavement Markings	3,600	L.F.	\$1.10	\$6,160.00	\$1.13	\$6,324.00	\$2.15	\$12,040.00	\$1.46	\$8,176.00	\$1.65	\$9,240.00
129	512	Flagger Service	400	HRS	\$15.00	\$6,000.00	\$24.75	\$9,900.00	\$19.00	\$7,600.00	\$19.58	\$7,832.33	\$25.00	\$10,000.00
130	SP	Off-Duty Police Officer	200	HRS	\$40.00	\$8,000.00	\$45.00	\$9,000.00	\$35.00	\$7,000.00	\$40.00	\$8,000.00	\$40.00	\$8,000.00
131	512	Cont. Pavement Marking Type A (Double Yellow)	22,200	L.F.	\$0.30	\$6,660.00	\$0.29	\$6,438.00	\$1.15	\$25,530.00	\$0.58	\$12,876.00	\$1.40	\$31,080.00
132	512	Cont. Pavement Marking Type A (Solid White Edge Line)	16,200	L.F.	\$0.30	\$4,860.00	\$0.29	\$4,698.00	\$0.56	\$9,072.00	\$0.38	\$6,210.00	\$0.70	\$11,340.00
133	512	Cont. Pavement Marking Type A (Solid White Lane Line)	3,500	L.F.	\$0.40	\$1,400.00	\$0.40	\$1,400.00	\$0.56	\$1,960.00	\$0.45	\$1,586.67	\$0.70	\$2,450.00
134	512	Electronic Arrow	200	HRS	\$20.00	\$4,000.00	\$28.13	\$5,626.00	\$20.00	\$4,000.00	\$22.71	\$4,542.00	\$35.00	\$7,000.00
135	512	Temp. Two-Way Pavement Markers (Yellow)	428	EA.	\$4.40	\$1,883.20	\$4.30	\$1,835.60	\$6.75	\$2,887.50	\$5.22	\$2,232.73	\$11.00	\$4,708.00
136	512	Temp. Two-Way Pavement Markers (White)	283	EA.	\$4.40	\$1,245.20	\$4.30	\$1,217.50	\$6.75	\$1,910.25	\$5.22	\$1,476.32	\$8.80	\$2,496.00
137	512	Cont. Pavement Marking Type A (Solid Yellow/Dash Yellow) & (Two-Way Left Turn Median)	11,100	L.F.	\$0.50	\$5,550.00	\$0.40	\$4,440.00	\$1.14	\$12,654.00	\$0.68	\$7,548.00	\$1.40	\$15,540.00
TOTAL TRAFFIC ITEMS						\$47,498.40		\$32,718.30		\$85,630.25		\$61,919.05		\$105,148.40
WATER ITEMS														
138	SP	Adjust Existing Water Valve Box	26	EA.	\$150.00	\$3,900.00	\$162.30	\$4,219.80	\$400.00	\$10,400.00	\$437.50	\$11,377.50	\$300.00	\$7,800.00
139	510	Adjust Existing Water Meter Box	1	EA.	\$1,000.00	\$1,000.00	\$1,125.00	\$1,125.00	\$600.00	\$600.00	\$908.33	\$908.33	\$300.00	\$300.00
140	SP	F & I 1" Water Service Complete	29	EA.	\$300.00	\$8,700.00	\$217.50	\$6,307.50	\$800.00	\$23,200.00	\$1,145.83	\$33,229.17	\$700.00	\$20,300.00
141	SP	F & I 1" Copper Service Line	1,085	L.F.	\$65.00	\$70,225.00	\$43.88	\$47,609.80	\$30.00	\$32,550.00	\$46.29	\$50,228.27	\$20.00	\$21,700.00
142	510	Abandon Exist. Water Service (Incl. Excav. & Backfill)	29	EA.	\$300.00	\$8,700.00	\$281.25	\$8,156.25	\$600.00	\$17,400.00	\$460.42	\$13,352.08	\$150.00	\$4,350.00
143	SP	Adjust Existing 2" Water Line	30	L.F.	\$50.00	\$1,500.00	\$45.00	\$1,350.00	\$35.00	\$1,050.00	\$178.33	\$5,350.00	\$20.00	\$600.00
144	SP	Adjust Existing 3" Water Line	53	L.F.	\$60.00	\$3,180.00	\$45.00	\$2,385.00	\$35.00	\$1,855.00	\$181.67	\$9,628.33	\$22.00	\$1,166.00
145	SP	Adjust Existing 6" Water Line	28	L.F.	\$65.00	\$1,820.00	\$45.00	\$1,260.00	\$25.00	\$700.00	\$255.00	\$7,140.00	\$125.00	\$3,500.00
146	SP	Adjust Existing 8" Water Line	89	L.F.	\$100.00	\$8,900.00	\$478.13	\$42,553.37	\$250.00	\$22,250.00	\$376.64	\$33,567.84	\$300.00	\$26,700.00
147	SP	Adjust Existing 12" Water Line	180	L.F.	\$215.50	\$38,790.00	\$261.88	\$47,138.40	\$350.00	\$63,000.00	\$389.13	\$70,042.80	\$400.00	\$72,000.00
148	SP	Adjust Existing 16" Water Line	25	L.F.	\$775.00	\$19,375.00	\$759.38	\$18,984.50	\$450.00	\$11,250.00	\$494.79	\$12,369.83	\$425.00	\$10,625.00
149	SP	F & I Standard Fire Hydrant	13	EA.	\$2,250.00	\$29,250.00	\$5,062.50	\$65,812.50	\$5,500.00	\$71,500.00	\$4,270.83	\$55,269.83	\$2,900.00	\$37,700.00
150	SP	F & I 6" D.I.W.M. & Fittings (Incl. Plug)	428	L.F.	\$69.50	\$29,544.00	\$140.63	\$60,093.94	\$100.00	\$43,800.00	\$103.38	\$44,278.98	\$160.00	\$68,800.00
151	SP	F & I 8" D.I.W.M. & Fittings (Incl. Plug)	162	L.F.	\$86.00	\$13,932.00	\$158.63	\$25,698.06	\$120.00	\$19,440.00	\$121.34	\$19,660.02	\$120.00	\$19,440.00
152	SP	F & I 12" D.I.W.M. & Fittings (Incl. Plug)	2,627	L.F.	\$125.00	\$328,375.00	\$169.88	\$446,274.76	\$125.00	\$328,375.00	\$139.96	\$367,674.92	\$85.00	\$223,295.00
153	SP	Remove & Salvage Fire Hydrant	13	EA.	\$1,000.00	\$13,000.00	\$1,125.00	\$14,625.00	\$1,800.00	\$23,400.00	\$1,308.33	\$17,008.33	\$2,000.00	\$26,000.00
154	SP	Remove & Salvage Water Valve	10	EA.	\$1,000.00	\$10,000.00	\$1,125.00	\$11,250.00	\$1,200.00	\$12,000.00	\$1,108.33	\$11,083.33	\$400.00	\$4,000.00
155	SP	Remove & Salvage Water Valve Box	14	EA.	\$25.00	\$350.00	\$26.50	\$371.00	\$50.00	\$700.00	\$362.50	\$5,075.00	\$400.00	\$5,600.00
156	302	Connect To Existing 6" D.I.W.M.	8	EA.	\$4,350.00	\$34,800.00	\$5,375.00	\$43,000.00	\$3,000.00	\$24,000.00	\$3,575.00	\$28,600.00	\$500.00	\$4,000.00
157	302	Connect To Existing 8" D.I.W.M.	4	EA.	\$4,350.00	\$17,400.00	\$5,375.00	\$21,500.00	\$3,000.00	\$12,000.00	\$3,575.00	\$14,300.00	\$500.00	\$2,000.00
158	302	Connect To Existing 10" D.I.W.M.	14	EA.	\$4,850.00	\$67,900.00	\$5,375.00	\$75,250.00	\$3,500.00	\$14,000.00	\$3,968.33	\$54,716.67	\$500.00	\$7,000.00
159	302	Connect To Existing 16" D.I.W.M.	1	EA.	\$6,500.00	\$6,500.00	\$6,750.00	\$6,750.00	\$5,700.00	\$5,700.00	\$6,316.67	\$6,316.67	\$500.00	\$500.00
160	510	Remove & Reset W. Meter & Backflow Preventer	1	EA.	\$7,500.00	\$7,500.00	\$2,812.50	\$2,812.50	\$2,000.00	\$2,000.00	\$4,104.17	\$4,104.17	\$500.00	\$500.00
TOTAL WATER ITEMS						\$724,938.00		\$1,083,773.78		\$793,976.09		\$867,566.59		\$627,154.00
SANITARY SEWER ITEMS														
161	SP	Reconstruct Existing Manhole	21	L.F.	\$500.00	\$10,500.00	\$1,800.00	\$37,800.00	\$1,100.00	\$23,100.00	\$1,133.33	\$23,800.00	\$750.00	\$15,750.00
162	SP	Adjust Existing Manhole Frame & Cover	7	EA.	\$250.00	\$1,750.00	\$1,350.00	\$9,450.00	\$850.00	\$7,150.00	\$816.67	\$5,716.67	\$325.00	\$2,275.00
163	SP	F & I 8" S/S Sewer Manhole (8" to 15")	86	L.F.	\$200.00	\$17,200.00	\$1,800.00	\$154,800.00	\$700.00	\$60,200.00	\$920.00	\$77,120.00	\$750.00	\$64,500.00
164	510	Connect to Existing San. Sewer Service	13	EA.	\$500.00	\$6,500.00	\$1,123.00	\$14,601.00	\$800.00	\$10,400.00	\$808.33	\$10,508.33	\$500.00	\$6,500.00
165	520	F & I Standard Manhole Frame & Cover	8	EA.	\$350.00	\$2,800.00	\$787.50	\$6,300.00	\$500.00	\$4,000.00	\$545.83	\$4,366.67	\$500.00	\$4,000.00
166	520	F & I Waponeset Manhole Frame & Cover	1	EA.	\$500.00	\$500.00	\$1,337.50	\$1,337.50	\$600.00	\$600.00	\$793.83	\$793.83	\$750.00	\$750.00
167	520	F & I 8" S/S InSP Pen & Plug	14	EA.	\$500.00	\$7,000.00	\$450.00	\$6,300.00	\$300.00	\$4,200.00	\$416.67	\$5,833.33	\$400.00	\$5,600.00

Hungary Springs Road - Bid Tab

Bid Opening Date: November 14, 2006

Bid Invitation Number: 06-7980-8CE

Henrico Project Number: 2110.50704.28004.00579 (formerly 555540-704-154-00)

VDOT Project Number: 7679-043-177, PE101, RW201, C501

No.	Sec.	Item	Quantities	Unit	Central Contracting Co., Inc.		Kensmore Construction Corporation		Interstate Construction Corporation dba Branscome Richmond		Average Contractor		Engineer's Estimate	
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
168	SP	F & I 6" PVC Service Pipe	518	L.F.	\$62.30	\$32,373.00	\$33.75	\$17,482.50	\$125.00	\$64,750.00	\$73.75	\$38,202.50	\$50.00	\$25,900.00
169	SP	F & I 12" Steel Encasem ^l Pipe (D 250" Th.)	55	L.F.	\$100.00	\$5,500.00	\$202.50	\$11,137.50	\$310.00	\$17,050.00	\$204.17	\$11,229.17	\$90.00	\$4,950.00
170	SP	F & I 8" PVC SDR-35 San. Sewer Pipe (Incl. Fittings)	1,642	L.F.	\$83.30	\$137,107.00	\$49.50	\$81,279.00	\$20.00	\$32,840.00	\$51.00	\$83,742.00	\$90.00	\$147,780.00
171	302	Connect To Existing Manhole	5	EA	\$1,650.00	\$8,250.00	\$3,062.50	\$15,312.50	\$2,300.00	\$11,500.00	\$3,004.17	\$15,020.83	\$1,200.00	\$6,000.00
172	510	Remove Exst. Manhole	6	EA	\$500.00	\$3,000.00	\$16,875.00	\$101,250.00	\$6,000.00	\$36,000.00	\$7,791.67	\$46,750.00	\$800.00	\$4,800.00
173	510	Remove & Salvage Exst. MH Frame & Cover	5	EA	\$350.00	\$1,750.00	\$1,350.00	\$6,750.00	\$125.00	\$625.00	\$375.00	\$1,875.00	\$450.00	\$2,250.00
174	SP	F & I 12" D.I. San. Sewer Pipe (Incl. Fittings)	142	L.F.	\$108.50	\$15,407.00	\$121.50	\$17,253.00	\$50.00	\$7,100.00	\$93.33	\$13,253.33	\$100.00	\$14,200.00
175	SP	Excavation & Backfill for 8", 10", 12" Pipe, Depth 6'-8"	39	L.F.	\$77.25	\$3,012.75	\$45.00	\$1,755.00	\$170.00	\$6,630.00	\$97.47	\$3,799.53	\$15.00	\$585.00
176	SP	Excavation & Backfill for 8", 10", 12" Pipe, Depth 8'-10"	931	L.F.	\$89.75	\$83,537.25	\$45.00	\$41,895.00	\$95.00	\$88,445.00	\$76.38	\$71,299.98	\$10.00	\$9,310.00
177	SP	Excavation & Backfill for 8", 10", 12" Pipe, Depth 10'-12"	618	L.F.	\$102.00	\$63,036.00	\$61.88	\$38,241.84	\$100.00	\$61,800.00	\$87.96	\$54,359.28	\$13.00	\$8,034.00
178	SP	Excavation & Backfill for 8", 10", 12" Pipe, Depth 12'-14"	197	L.F.	\$114.50	\$22,556.50	\$90.00	\$17,730.00	\$130.00	\$25,610.00	\$111.50	\$21,865.50	\$14.00	\$2,758.00
179	SP	F & I 6" Service Tees	11	EA	\$150.00	\$1,650.00	\$233.00	\$2,563.00	\$60.00	\$660.00	\$145.00	\$1,595.00	\$150.00	\$1,650.00
180	SP	F & I 6" Service Connection Pipe	658	L.F.	\$63.50	\$41,723.00	\$33.75	\$22,207.50	\$17.00	\$11,186.00	\$37.75	\$24,839.50	\$35.00	\$23,025.00
181	SP	Excavation & Backfill for 6" Service Connection Pipe	432	L.F.	\$85.00	\$36,720.00	\$20.25	\$8,748.00	\$110.00	\$47,520.00	\$71.75	\$30,996.00	\$15.00	\$6,480.00
		TOTAL SANITARY SEWER ITEMS				\$505,096.50		\$618,639.34		\$516,766.00		\$548,808.61		\$355,802.00
		GAS ITEMS												
182	SP	Adjust Existing Gas Valve Box	14	EA	\$150.00	\$2,100.00	\$450.00	\$6,300.00	\$750.00	\$10,500.00	\$450.00	\$6,300.00	\$400.00	\$5,600.00
183	SP	Adjust Existing Gas Test Box	10	EA	\$150.00	\$1,500.00	\$450.00	\$4,500.00	\$750.00	\$7,500.00	\$450.00	\$4,500.00	\$400.00	\$4,000.00
184	SP	Adjust Existing Gas Drop Box	2	EA	\$150.00	\$300.00	\$450.00	\$900.00	\$750.00	\$1,500.00	\$450.00	\$900.00	\$400.00	\$800.00
185	SP	Gas Main Trench Excavation	26	C.Y.	\$150.00	\$3,900.00	\$112.50	\$2,925.00	\$100.00	\$2,600.00	\$120.83	\$3,141.67	\$50.00	\$1,300.00
		TOTAL GAS ITEMS				\$7,800.00		\$14,425.00		\$23,100.00		\$14,841.67		\$11,706.00
		TOTAL UTILITY ITEMS				\$1,337,744.50		\$1,717,028.12		\$1,332,836.00		\$1,428,302.87		\$994,658.00
		SIGNALIZATION ITEMS												
186	703	Concretor, Cabinet and Foundation	3	EA	\$14,300.00	\$43,900.00	\$15,750.00	\$47,250.00	\$15,000.00	\$45,000.00	\$13,616.67	\$40,850.00	\$20,000.00	\$60,000.00
187	703	Traffic Signal Head C-1146 (All Sections to be 12" L.E.D.)	4	EA	\$1,180.00	\$4,720.00	\$1,125.00	\$4,500.00	\$1,225.00	\$4,900.00	\$1,178.67	\$4,706.67	\$1,400.00	\$5,600.00
188	703	Traffic Signal Head E-1214 (All Sections to be 12" L.E.D.)	5	EA	\$1,475.00	\$7,375.00	\$1,330.00	\$6,650.00	\$1,525.00	\$7,625.00	\$1,450.00	\$7,250.00	\$1,200.00	\$6,000.00
189	703	Traffic Signal Head C-123 (All Sections to be 12" L.E.D.)	20	EA	\$885.00	\$17,700.00	\$789.50	\$15,790.00	\$925.00	\$18,500.00	\$866.50	\$17,330.00	\$750.00	\$15,000.00
190	703	Traffic Signal Head C-153 (All Sections to be 12" L.E.D.)	3	EA	\$885.00	\$4,425.00	\$787.50	\$3,937.50	\$925.00	\$4,625.00	\$865.83	\$4,329.17	\$800.00	\$4,000.00
191	703	Traffic Signal Head C-166 (All Sections to be 12" L.E.D.)	1	EA	\$626.00	\$626.00	\$787.50	\$787.50	\$650.00	\$650.00	\$687.83	\$687.83	\$800.00	\$800.00
192	703	OverRun Monitor	3	EA	\$700.00	\$2,100.00	\$1,125.00	\$3,375.00	\$725.00	\$2,175.00	\$850.00	\$2,550.00	\$1,200.00	\$3,600.00
193	703	Load Switches	26	EA	\$72.60	\$1,887.60	\$84.38	\$2,193.68	\$75.00	\$2,700.00	\$77.33	\$2,783.76	\$55.00	\$1,980.00
194	703	Transfer Relays	18	EA	\$39.60	\$712.80	\$84.38	\$1,518.84	\$45.00	\$810.00	\$56.33	\$1,013.88	\$60.00	\$1,080.00
195	703	JM (Break or Op. Inferred Op. Det.) & Breakers	11	EA	\$3,000.00	\$33,000.00	\$2,700.00	\$28,700.00	\$3,100.00	\$34,100.00	\$2,933.33	\$32,266.67	\$3,200.00	\$35,200.00
196	703	Special Circuit "L" Pole Cross. Foundation	1	EA	\$3,320.00	\$3,320.00	\$3,937.50	\$3,937.50	\$3,650.00	\$3,650.00	\$3,702.50	\$3,702.50	\$4,200.00	\$4,200.00
197	703	"L" Design Mast Arm Pole W/4" A 1/2" Arm & Luminaires W/2" Arm	1	EA	\$8,900.00	\$8,900.00	\$15,750.00	\$15,750.00	\$9,500.00	\$9,500.00	\$11,383.33	\$11,383.33	\$17,000.00	\$17,000.00
198	703	Mast Arm Pole W/2" Arm & Lum. W/2" Arm	1	EA	\$6,000.00	\$6,000.00	\$10,350.00	\$10,350.00	\$6,500.00	\$6,500.00	\$7,616.67	\$7,616.67	\$17,000.00	\$17,000.00
199	703	Mast Arm Pole W/4" Arm & Lum. W/2" Arm	1	EA	\$6,610.00	\$6,610.00	\$10,350.00	\$10,350.00	\$7,000.00	\$7,000.00	\$7,986.67	\$7,986.67	\$17,000.00	\$17,000.00
200	703	Mast Arm Pole W/4" Arm & Lum. W/2" Arm	2	EA	\$6,600.00	\$13,200.00	\$10,350.00	\$20,700.00	\$7,000.00	\$14,000.00	\$7,983.33	\$15,966.67	\$17,000.00	\$34,000.00
201	703	Mast Arm Pole W/4" Arm & Lum. W/2" Arm	1	EA	\$6,610.00	\$6,610.00	\$10,350.00	\$10,350.00	\$7,000.00	\$7,000.00	\$7,986.67	\$7,986.67	\$17,000.00	\$17,000.00
202	703	Mast Arm Pole W/2" Arm & Lum. W/2" Arm	1	EA	\$6,780.00	\$6,780.00	\$11,756.25	\$11,756.25	\$7,100.00	\$7,100.00	\$8,545.42	\$8,545.42	\$17,000.00	\$17,000.00
203	703	Mast Arm Pole W/5" Arm & Lum. W/2" Arm	2	EA	\$7,600.00	\$15,200.00	\$12,037.50	\$24,075.00	\$7,300.00	\$14,600.00	\$8,779.17	\$17,558.33	\$17,000.00	\$34,000.00
204	703	Mast Arm Pole W/6" Arm & Lum. W/2" Arm	1	EA	\$9,560.00	\$9,560.00	\$13,162.50	\$13,162.50	\$9,000.00	\$9,000.00	\$10,574.17	\$10,574.17	\$17,000.00	\$17,000.00
205	703	Mast Arm Pole Concrete Foundation	9	EA	\$5,320.00	\$47,880.00	\$3,375.00	\$30,375.00	\$3,700.00	\$33,300.00	\$3,531.67	\$31,785.00	\$3,100.00	\$27,900.00
206	703	Vehicle Signal Mast. Brackets (Asym-Bias Broad or Eye/valves)	25	EA	\$233.00	\$5,825.00	\$331.88	\$8,297.00	\$240.00	\$6,000.00	\$268.96	\$6,724.00	\$330.00	\$8,250.00
207	703	Pedestrian Push Buttons	20	EA	\$238.00	\$4,760.00	\$320.50	\$6,410.00	\$245.00	\$4,900.00	\$234.50	\$4,690.00	\$130.00	\$2,600.00
208	703	Pedestrian Push Buttons Descenders	20	EA	\$238.00	\$4,760.00	\$310.38	\$6,387.60	\$245.00	\$4,900.00	\$234.10	\$4,682.53	\$170.00	\$3,400.00
209	703	Countdown Pedestrian Signal Heads (SP-8)	20	EA	\$700.00	\$14,000.00	\$1,012.50	\$20,250.00	\$725.00	\$14,500.00	\$812.50	\$16,250.00	\$700.00	\$14,000.00
210	703	Pod. Signal Mount. Brackets (Side Pole Mount)	18	EA	\$150.00	\$2,700.00	\$208.13	\$3,746.34	\$155.00	\$2,790.00	\$201.04	\$3,618.78	\$180.00	\$3,240.00
211	703	Pod. Signal Mount. Brackets (Post Top Mount)	2	EA	\$137.00	\$274.00	\$233.13	\$466.26	\$145.00	\$290.00	\$178.38	\$356.76	\$120.00	\$240.00
212	703	F Pedestal Pole	1	EA	\$560.00	\$560.00	\$900.00	\$900.00	\$580.00	\$580.00	\$680.00	\$680.00	\$200.00	\$200.00
213	703	F Pedestal Pole Foundation	1	EA	\$490.00	\$490.00	\$711.25	\$711.25	\$500.00	\$500.00	\$573.75	\$573.75	\$500.00	\$500.00
214	703	Junction Box JB 3C (12" x 18")	6	EA	\$885.00	\$5,310.00	\$900.00	\$5,400.00	\$910.00	\$5,460.00	\$898.33	\$5,390.00	\$770.00	\$4,620.00
215	703	Junction Box JB 3C (12" x 18")	6	EA	\$1,650.00	\$9,900.00	\$1,125.00	\$6,750.00	\$910.00	\$5,460.00	\$1,028.33	\$6,170.00	\$1,000.00	\$6,000.00
216	703	Junction Box JB 4C (18" x 24")	3	EA	\$1,305.00	\$3,915.00	\$1,125.00	\$3,375.00	\$1,000.00	\$3,000.00	\$1,143.33	\$3,430.00	\$1,000.00	\$3,000.00
217	703	Junction Box JB 5C (24" x 36")	3	EA	\$1,315.00	\$3,945.00	\$1,150.00	\$3,450.00	\$1,200.00	\$3,600.00	\$1,305.00	\$3,915.00	\$1,500.00	\$4,500.00
218	703	1" Schedule 40 PVC	165	L.F.	\$14.50	\$2,392.50	\$10.13	\$1,671.45	\$13.00	\$2,145.00	\$12.31	\$2,178.65	\$35.00	\$5,775.00
219	703	1" Schedule 40 PVC	365	L.F.	\$9.60	\$3,504.00	\$9.00	\$3,285.00	\$10.00	\$3,650.00	\$9.33	\$3,479.67	\$40.00	\$14,400.00
220	703	1" Schedule 40 PVC	1,355	L.F.	\$19.75	\$26,763.75	\$50.63	\$68,600.65	\$20.23	\$27,438.75	\$30.21	\$40,934.55	\$43.00	\$58,910.00
221	703	4" Schedule 40 PVC	1,145	L.F.	\$21.00	\$24,045.00	\$28.13	\$32,208.85	\$33.00	\$37,935.00	\$24.38	\$27,911.28	\$45.00	\$51,525.00

Hungary Springs Road - Bid Tab

Bid Opening Date: November 14, 2006

Bid Invitation Number: 06-7980-8CE

Henrico Project Number: 2110.50704.28004.00579 (formerly 555540-704-154-00)

VDOT Project Number: 7679-043-177, PE101, RW201, C501

No.	Sec.	Item	Quantities	Unit	Central Contracting Co., Inc.		Skemore Construction Corporat		Interstate Construction Corporation dba Brascome Richmond		Average Contractor		Engineer's Estimate	
					Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
232	703	2" RGC	665	L.F.	\$15.25	\$10,131.25	\$12.63	\$8,400.95	\$16.50	\$10,972.50	\$34.79	\$23,117.57	\$37.00	\$24,605.00
233	703	6"3	665	L.F.	\$1.60	\$1,065.00	\$1.38	\$924.70	\$2.60	\$1,729.00	\$2.87	\$1,919.73	\$3.00	\$1,995.00
234	703	14"2	2,895	L.F.	\$1.60	\$4,632.00	\$1.41	\$4,081.95	\$1.60	\$4,632.00	\$1.54	\$4,448.65	\$1.40	\$4,053.00
235	703	14"2	2,175	L.F.	\$1.60	\$3,480.00	\$1.41	\$3,066.75	\$1.70	\$3,697.50	\$1.57	\$3,414.75	\$1.40	\$3,045.00
236	703	14"4	2,725	L.F.	\$1.60	\$4,360.00	\$1.41	\$3,843.75	\$1.60	\$4,360.00	\$1.54	\$4,195.50	\$1.40	\$3,780.00
237	703	14"5	2,895	L.F.	\$2.25	\$6,511.75	\$1.69	\$4,882.55	\$2.35	\$6,801.25	\$2.10	\$6,069.85	\$1.50	\$4,342.50
238	703	14"7	5,385	L.F.	\$2.30	\$12,385.50	\$2.09	\$11,234.65	\$2.40	\$12,924.00	\$2.26	\$12,188.05	\$1.60	\$8,616.00
239	703	Central Cabinet (Model 8281 or Equivalent)	2,315	L.F.	\$3.10	\$7,176.50	\$3.38	\$7,824.70	\$3.20	\$7,408.00	\$3.23	\$7,469.71	\$1.70	\$3,975.00
240	703	14"2	2,315	L.F.	\$2.15	\$4,977.25	\$1.78	\$4,124.70	\$2.25	\$5,208.75	\$2.29	\$5,093.27	\$2.20	\$5,091.00
241	703	Video Detection Camera (See Specs)	11	EA	\$2,790.00	\$30,270.00	\$3,262.50	\$35,887.50	\$2,830.00	\$31,130.00	\$2,954.17	\$32,495.83	\$3,300.00	\$36,300.00
242	703	Video Camera Processor Unit (See Specs)	3	EA	\$15,026.00	\$45,078.00	\$13,300.00	\$40,500.00	\$15,500.00	\$46,500.00	\$14,675.33	\$44,026.00	\$15,000.00	\$45,000.00
243	703	Video Detector Mounting Bracket	11	EA	\$77.00	\$847.00	\$225.00	\$2,475.00	\$80.00	\$880.00	\$127.33	\$1,400.67	\$120.00	\$1,320.00
244	703	Electrical Service	3	EA	\$1,450.00	\$4,350.00	\$787.50	\$2,362.50	\$1,500.00	\$4,500.00	\$1,245.83	\$3,737.50	\$200.00	\$600.00
245	510	Remove Term. Signal Equip. (Shoulder Road)	1	L.S.	\$5,500.00	\$5,500.00	\$2,925.00	\$2,925.00	\$5,700.00	\$5,700.00	\$4,708.33	\$4,708.33	\$5,000.00	\$5,000.00
246	510	Remove Exis. Signal Equip. A Cone. Found. (Urban Road)	1	L.S.	\$6,600.00	\$6,600.00	\$2,812.50	\$2,812.50	\$6,800.00	\$6,800.00	\$5,404.17	\$5,404.17	\$5,000.00	\$5,000.00
247	703	Install & Remove Temporary Traffic Signal (2 Poles, NW-SE Corners, Signs W/In. Head, Detectors & Lanes)	1	L.S.	\$12,100.00	\$12,100.00	\$5,062.50	\$5,062.50	\$11,500.00	\$11,500.00	\$9,887.50	\$9,887.50	\$40,000.00	\$40,000.00
248	703	Overhead Pedestrian Sign, R10-3v	30	EA	\$91.50	\$2,745.00	\$235.00	\$7,050.00	\$95.00	\$2,850.00	\$137.17	\$4,115.10	\$300.00	\$9,000.00
249	703	Left Turn Yield on Green, R10-12	9	EA	\$395.00	\$3,555.00	\$168.75	\$1,518.75	\$405.00	\$3,645.00	\$322.92	\$2,906.28	\$350.00	\$3,150.00
249	8P	Henrico County Traffic Signal Equipment Training	1	L.S.	\$3,323.00	\$3,323.00	\$4,650.00	\$4,650.00	\$3,650.00	\$3,650.00	\$3,741.67	\$3,741.67	\$5,000.00	\$5,000.00
VDOT SIGNAL MODIFICATIONS														
241	703	Loop Detector Amplifier	2	EA	\$175.00	\$350.00	\$337.50	\$675.00	\$285.00	\$570.00	\$299.17	\$598.33	\$100.00	\$200.00
242	703	Junction Box, JB 3A, 3B, or 3C	4	EA	\$1,680.00	\$6,720.00	\$1,125.00	\$4,500.00	\$1,000.00	\$4,000.00	\$1,091.67	\$4,366.67	\$1,000.00	\$4,000.00
243	703	14"2 Conductor Cable	580	L.F.	\$2.35	\$1,363.00	\$2.09	\$1,212.20	\$2.40	\$1,392.00	\$2.28	\$1,322.40	\$1.50	\$870.00
244	703	14"1 Enclosed Conductor Cable	4,355	L.F.	\$1.10	\$4,790.50	\$1.13	\$4,925.25	\$1.15	\$5,002.25	\$1.13	\$4,923.75	\$1.40	\$6,097.50
245	703	1" Conduit	120	L.F.	\$11.00	\$1,320.00	\$10.13	\$1,215.60	\$11.50	\$1,380.00	\$10.88	\$1,305.60	\$10.00	\$1,200.00
246	703	2" Conduit	40	L.F.	\$4.25	\$170.00	\$3.38	\$135.20	\$4.50	\$180.00	\$4.04	\$161.60	\$40.00	\$1,600.00
247	703	3" Conduit	50	L.F.	\$33.00	\$1,650.00	\$30.48	\$1,023.60	\$34.50	\$1,725.00	\$34.04	\$1,702.00	\$40.00	\$1,600.00
248	703	Trench Excavation EC-1	115	L.F.	\$7.70	\$885.50	\$3.38	\$388.70	\$8.00	\$920.00	\$6.36	\$731.40	\$25.00	\$2,875.00
249	703	14"2 Conductor Cable (Shielded)	1,530	L.F.	\$1.40	\$2,142.00	\$1.44	\$2,203.20	\$1.70	\$2,610.00	\$1.64	\$2,511.60	\$8.00	\$12,240.00
250	703	Emergency Preemption Detector Cable	450	L.F.	\$2.20	\$990.00	\$6.73	\$3,030.50	\$2.25	\$1,012.50	\$1.57	\$706.50	\$2.00	\$900.00
251	703	Traffic Signal Head Section 12" Std.	9	EA	\$175.00	\$1,575.00	\$381.25	\$3,431.25	\$180.00	\$1,620.00	\$212.08	\$1,908.75	\$700.00	\$6,300.00
252	703	Hanger Assembly SW-1 or 2, One Way	3	EA	\$255.00	\$765.00	\$393.75	\$1,181.25	\$265.00	\$795.00	\$304.38	\$913.15	\$800.00	\$2,400.00
253	703	Stainless Pole Type 1	1	EA	\$6,850.00	\$6,850.00	\$8,437.50	\$8,437.50	\$7,100.00	\$7,100.00	\$7,462.50	\$7,462.50	\$1,000.00	\$1,000.00
254	703	Stainless Pole Type 4	1	EA	\$8,650.00	\$8,650.00	\$10,800.00	\$10,800.00	\$9,000.00	\$9,000.00	\$9,483.33	\$9,483.33	\$1,000.00	\$1,000.00
255	703	Concrete Foundation PF-4	12	C.Y.	\$1,100.00	\$13,200.00	\$900.00	\$10,800.00	\$1,150.00	\$13,800.00	\$1,050.00	\$12,600.00	\$300.00	\$3,600.00
256	703	Test Box	2	EA	\$1,100.00	\$2,200.00	\$675.00	\$1,350.00	\$1,150.00	\$2,300.00	\$975.00	\$1,950.00	\$400.00	\$800.00
257	703	Sign Wire 1/2"	70	L.F.	\$8.80	\$616.00	\$9.38	\$656.60	\$9.00	\$630.00	\$19.06	\$1,334.20	\$2.00	\$140.00
258	703	Sign Wire 1/4"	70	L.F.	\$5.25	\$367.50	\$3.38	\$236.60	\$9.00	\$630.00	\$18.88	\$1,322.16	\$2.00	\$140.00
259	510	Remove Exis. Signal Equip. A Cone. Found. (Rt 250)	1	L.S.	\$4,400.00	\$4,400.00	\$2,250.00	\$2,250.00	\$4,600.00	\$4,600.00	\$3,750.00	\$3,750.00	\$7,500.00	\$7,500.00
260	510	Remove Exis. Signal Equip. A Cone. Found. (Bagley Mill Road)	1	L.S.	\$4,400.00	\$4,400.00	\$2,250.00	\$2,250.00	\$4,600.00	\$4,600.00	\$3,750.00	\$3,750.00	\$4,500.00	\$4,500.00
TOTAL SIGNALIZATION ITEMS						\$664,885.90		\$698,847.07		\$626,209.50		\$645,214.16		\$810,679.50
PAVEMENT STRIPING														
262	704	Pmt. Line Mk., Type B, Cl. 1, (4" White)	12,356	L.F.	\$0.50	\$6,178.00	\$0.51	\$6,301.56	\$0.60	\$7,413.60	\$0.54	\$6,673.56	\$0.70	\$8,649.20
263	704	Pmt. Line Mk., Type B, Cl. 1, (4" Yellow)	21,213	L.F.	\$0.50	\$10,606.50	\$0.51	\$10,818.63	\$0.60	\$12,727.80	\$0.54	\$11,384.31	\$0.65	\$13,788.45
264	704	Pmt. Line Mk., Type B, Cl. 1, (24" Stop Bars)	375	L.F.	\$5.50	\$2,062.50	\$5.63	\$2,121.75	\$6.21	\$2,337.75	\$5.79	\$2,153.25	\$4.50	\$1,687.50
265	704	Pmt. Line Mk., Type B, Cl. 1, (6" Crosswalk)	1894	L.F.	\$2.00	\$3,788.00	\$1.98	\$3,750.12	\$2.60	\$4,924.40	\$2.19	\$4,154.17	\$2.00	\$3,788.00
266	704	Pmt. Message Mk., Elong. Arrow, Single, Type B, Class 1	90	EA	\$165.00	\$14,850.00	\$166.88	\$15,019.20	\$190.00	\$17,100.00	\$163.96	\$14,756.40	\$90.00	\$8,100.00
267	704	Pmt. Message Mk., Elong. Arrow, Double, Type B, Class 1	2	EA	\$140.00	\$280.00	\$163.13	\$326.26	\$203.00	\$406.00	\$176.04	\$352.09	\$160.00	\$320.00
268	704	Pavement Message Marking, (School)	4	EA	\$550.00	\$2,200.00	\$562.50	\$2,250.00	\$740.00	\$2,960.00	\$617.50	\$2,470.00	\$400.00	\$1,600.00
TOTAL PAVEMENT STRIPING						\$35,455.90		\$36,282.82		\$46,869.55		\$37,625.52		\$38,763.15
269		MOBILIZATION	1	L.S.	\$735,800.00	\$735,800.00	\$478,125.00	\$478,125.00	\$950,000.00	\$950,000.00	\$721,308.33	\$721,308.33	\$412,787.13	\$412,787.13
TOTAL PROJECT COST						\$8,868,641.55		\$11,148,332.57		\$12,570,663.38		\$10,861,592.47		\$9,213,669.18

Project Review Application Form

This application must be completed for all projects that will be federally funded, licensed, or permitted, or that are subject to state review. Please allow 30 days from receipt for the review of a project. All information must be completed before review of a project can begin and incomplete forms will be returned for completion.

I. GENERAL PROJECT INFORMATION

1. Has this project been previously reviewed by DHR? YES NO DHR File # 2007-1829
N/A
2. Project Name 10th Street Two-Stage Crossing
3. Project Location Roanoke
 City Town County

4. Specify Federal and State agencies involved in project (providing funding, assistance, license or permit). Refer to the list of agencies and abbreviations in the instructions.

Lead Federal Agency FHWA

Other Federal Agency _____

State Agency VDOT - Bruce Penner, P.O. Box 3071 , Salem, Va 24153

5. Lead Agency Contact Information

Contact Person John Simkins

Mailing Address 400 North 8th Street, Room 750 Richmond, Va 23219

Phone Number (804)775-3342 Fax Number _____

Email Address john.simkins@fhwa.dot.gov

6. Applicant Contact Information

Contact Person Gary L. Bowman

Mailing Address 1802 Courtland Road Roanoke , Virginia 24012

Phone Number 540-853-5834 Fax Number 540-853-1270

Email Address gary.bowman@roanokeva.gov

II. PROJECT LOCATION AND DESCRIPTION

7. USGS Quadrangle Name Roanoke
8. Number of acres included in the project 1/4

RECEIVED

DEC 12 2007

MAIL COMPLETED FORM AND ATTACHMENTS TO:
 Virginia Department of Historic Resources
 Attention: Project Review
 2801 Kensington Avenue, Richmond, VA 23221
www.dhr.virginia.gov

Department of Historic Resources

9. Have any architectural or archaeological surveys of the area been conducted? YES ___ NO X
If yes, list author, title, and date of report here. Indicate if a copy is on file at DHR.

10. Are any structures 50 years old or older within or adjacent to the project area? YES X NO ___
If yes, give date(s) of construction and provide photographs. Could not determine date built.
Note: Area in question is a culvert/small bridge. Shown in attached picture.

11. Does the project involve the rehabilitation, alteration, removal, or demolition of any structure, building, designed site (e.g. park, cemetery), or district that is 50 years or older? If yes, this must be explained fully in the project description. YES ___ NO X

12. Does the project involve any ground disturbance (e.g. excavating for footings, installing sewer or water lines or utilities, grading roads, etc.)? If yes, this must be explained fully in the project description. YES X NO ___

13. DESCRIPTION: Attach a complete description of the project. Refer to the instructions for the required information.

To the best of my knowledge, I have accurately described the proposed project and its likely impacts.

Mary C. Bauman 11.30.07
Signature of Applicant/Agent Date

The following information must be attached to this form:

- Completed DHR Archives search
- USGS map with APE shown
- Complete project description
- Any required photographs and plans

No historic properties affected ___ No adverse effect
___ Additional information is needed in order to complete our review.
___ We have previously reviewed this project. A copy of our correspondence is attached.
Comments: Based upon information provided, no historic properties affected.
Signature M. Amanda Lee Date 17 Dec 2007
Phone number 804-367-2323 X122 DHR File # 2007-1829
This Space For Department Of Historic Resources Use Only

MAIL COMPLETED FORM AND ATTACHMENTS TO:
Virginia Department of Historic Resources
Attention: Project Review
2801 Kensington Avenue, Richmond, VA 23221
www.dhr.virginia.gov

Cultural Resources Summary Report

Project Definition and Current Status of Cultural Resources Review

Project No.: U000-128-133, C501, P101 **UPC:** 71725

Project Name: 10th Street Two-Stage Crossing

VDHR File No.: 2007-1829

District: Salem

Primary Jurisdiction: Roanoke (City)

Planned Ad/Est Begin Date: 05/30/2008

Project Limit From: LICK RUN CREEK

Project Limit To: 170 FEET SOUTH OF SYRACUSE AVENUE

Location of Work: Work within existing corridor

Project Length: 20 Feet

Pavement Width (ft):	12	Existing	12	Proposed
Number of Traffic Lanes:	2	Existing	2	Proposed
ROW Width (ft):	50	Existing	50	Proposed

IPM Description: 10TH STREET - CONSTRUCT 2-STAGE X-ING WITH WARNING DEVICES

Additional Project Description: Construct 2-stage crossing of 10th Street with warning devices; includes purchase & installation of traffic control equipment to provide additional safety features for pedestrian crossing. Physical construction of crossing accomplished during construction of Lick Run Greenway and is not part of this project. All work to be completed within existing right-of-way.

Funding Source: Federal

Locally Administered? Yes

Is the project clear for advertisement? Y

Advertisement certified by: Penner, Bruce R

Date: 05/12/2008

Are all commitments fulfilled? Y

Commitments certified by: Penner, Bruce R

Date: 05/12/2008

General Comments:

Final Effect Determination: NO EFFECT

Stip. 2 Determination Date:

VDHR Concurrence Date: 12/17/2007



MOA Execution Date (required only for final effect determinations of Adverse Effect):

Cultural Resources Manager: Penner, Bruce R

Report File Generated: 05/12/2008

Cultural Resources Summary Report

SERP Review

Project No.: U000-128-133, C501, P101 **UPC:** 71725

Project Name: 10th Street Two-Stage Crossing

VDHR File No.: 2007-1829

Exempt from SERP? Yes

Description of Area of Potential Effects (APE):

Are there previously recorded architectural resources within the APE?

Notes:

Are there previously recorded archaeological resources within the APE?

Notes:

Effect Determination:

What further studies are needed to identify historic properties and determine effect?

Additional Comments:

Review for effects to architectural (buildings, structures, non-archaeological districts, and objects) resources conducted by:

Date:

Review for effects to archaeological resources conducted by:

Date:

Cultural Resources Manager: Penner, Bruce R

Report File Generated: 05/12/2008

Cultural Resources Summary Report

Effect Determination Worksheet

Project No.: U000-128-133, C501, P101 **UPC:** 71725
Project Name: 10th Street Two-Stage Crossing
VDHR File No.: 2007-1829

The regulations implementing Section 106 of the National Historic Preservation Act define an effect as an "alteration to the characteristics of a historic property qualifying it for inclusion in or eligibility for the National Register" [36CFR800.16(i)]. The effect is adverse when the alteration of a qualifying characteristic occurs in a "manner that would diminish the integrity of the property's location, design, setting, materials, workmanship, feeling, or association" [36CFR800.5(a)].

Does the project have the potential to affect historic properties, should they be present? Yes

Are historic properties present in the Area of Potential Effects?

Effects Matrix No properties have been added.

VDOT Effect Determination:

Explanation of Effect Determination: DHR concurred on 12-17-2007 that project will have no effect on historic properties.

Report this determination to VDHR in accordance with the efficiencies of quarterly reporting provided by Stipulation 2 of the 1999 Programmatic Agreement between VDOT and VDHR for determinations of No Effect? No

Effect Determination Completed by: Penner, Bruce R

Date: 05/12/2008

Cultural Resources Manager: Penner, Bruce R

Report File Generated: 05/12/2008

No-Plan Certification (LD-406)

No - Plan Project Certification

LD-406 NP
(4/23/08)



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION
LOCATION AND DESIGN
NO PLAN PROJECT CERTIFICATION

To: Mohammad Mirshahi, P.E., State Location and Design Engineer

From: Michael Russell

Date: May 16, 2008

Subject: NO Plan Project Certification

Project # U000-128-133, PE101, C501; UPC 71725; PCN FHWA # STP-5128(243)

Is there railroad encroachment? NO Name of Railroad(s)

Area Construction Engineer who will manage construction: Jeff Echols

The recommended fixed completion date for this project is based on an advertisement date 5-30-08 and the standard 60 day period from receipt of bids to execution of the contract.

A public hearing, willingness or a waiver of willingness was approved. YES

The project is designed using all appropriate design criteria or the approved design exception is attached. YES

Funding for this project has been secured and is listed in the SYP, Live SYP, or as an attachment. YES

NO RW donations YES existing RW N/A RW cleared by advertisement

NO Utility adjustments YES Utility adjustments complete NO Utility adjustments completed Not Applicable

Environmental PS&E and Environmental Certification have been initiated via an LD-442 which is attached. YES

The Virginia Storm Water Management Program Permit (VSMP) will be applied for so that it is in hand by start of construction N/A

All Special Provisions and Copied Notes for this project were submitted to the Scheduling & Contract Division. YES

A Project Narrative has been sent as a separate word document and stored electronically in IPM or attached. YES

The detailed construction estimate from TRN*SPORT has been checked for accuracy and uploaded into PCES. YES

I certify to the best of my knowledge that all items are accurate and the attached No Plan Assembly is complete.

Responsible Charge Engineer

Date _____

cc: Assistant State L&D Engineer
Central Office Plan Coordination

Street Acceptance Resolution



**Town of Bluefield
Resolution**

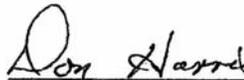
WHEREAS, the Town of Bluefield, Virginia has added Medical Park Drive to the streets in its system; and

WHEREAS, Medical Park Drive is .54 lane miles in length; with a fifty foot (50') right-of-way and twenty eight foot (28') pavement width.

WHEREAS, the Town wishes to add Medical Park Drive into the Maintenance Inventory of the Virginia Department of Transportation pursuant of Section 33.1-41.1 of the Code of Virginia.

NOW, THEREFORE, BE IT RESOLVED THAT: The Town Council of the Town of Bluefield does hereby adopt this resolution.

Adopted this 12 day of January 2009.



Don Harris, Mayor



Todd Day, Town Clerk

Preliminary Environmental Inventory
(PEI)

Preliminary Environmental Inventory

Project Information																
IPM ID #:	73249	Date:	05/03/2007	District SERP Coordinator: Margason, Nathan												
Project Name:	0727-011-6140	Field Review Date:	03/28/2007	Field Review Conducted By: Margason, Nathan N.												
Route:	727	City/County:	Botetourt	Zip code: 24448												
Road Type:	Secondary	Lat:	37°47' 18"	Long: -79°46' 51"												
VDOT Prj #:	0727-011-259, B669, M501, P106, R201	Project Administered by Local Government:		Yes												
Limits From:	BRIDGE REPLACEMENT (STRUCTURE #6140)	Target Advertisement Date:	11/13/2012													
Limits to:	(0.05 MILE EAST ROUTE 220)	Funding Source:	Federal													
Additional Project Description:	<p>Replace Rt. 727 bridge (Farm Fork Road) over the Jackson River and improve roadway approaches. The bridge and approach project will begin at inter. of Route 220 and Route 727 and then extend east approximately 800 feet including 300 foot bridge. A temporary bridge will be necessary during construction. The existing structure consists of two simple span steel trusses with timber deck posted at 12 tons. The proposed bridge is a two lane structure with a 20 ft. width curb to curb. The temporary bridge will consist of a single lane structure with a minimal distance of 16 feet curb to curb. The temporary design would provide a 40 foot causeway during construction. Project is locally administered by Alleghany County to gain access to site for construction and operation of a new Waste Water Treatment plant which is not included in this project review.</p>															
Project Type:	Construction	Location Of Work:	Work within existing corridor	<table border="1"> <thead> <tr> <th>Road Conditions:</th> <th>Existing</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>Pavement Width (ft)</td> <td>11</td> <td>20</td> </tr> <tr> <td>Right-of-way-width (ft)</td> <td>30</td> <td>30</td> </tr> <tr> <td>Bridge/drainage structure?</td> <td colspan="2">Unnamed Bridge</td> </tr> </tbody> </table>	Road Conditions:	Existing	Proposed	Pavement Width (ft)	11	20	Right-of-way-width (ft)	30	30	Bridge/drainage structure?	Unnamed Bridge	
Road Conditions:	Existing	Proposed														
Pavement Width (ft)	11	20														
Right-of-way-width (ft)	30	30														
Bridge/drainage structure?	Unnamed Bridge															
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:	No potential relocations exist within the proposed project limits. Several structures are located on the south side of Abutment B. These structures will not be displaced by the bridge replacement or the														



©2007

05/03/2007

	temporary bridge	
Known hazardous materials/waste sites/landfills	<p>Recorded hazmat sites: 0</p> <p>Observed or potential sites: 0</p> <p>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 03/13/2007. This search resulted in the identification of no hazardous material sites within the project area.</p> <p>Comments: No comments were received from DEQ Waste in response to the Project Early Notification (EQ429), but they will have the opportunity to reply to this PEI. The Fork Farm Road bridge replacement will provide access for the construction and operation of a new wastewater treatment plant for Alleghany County. No leaking underground storage tanks were documented within 0.25 miles of the proposed project as per Integrator GIS searches. Brett Waller, VDOT Regional Hazardous Materials Manager, stated that Structure 6140 is Type B and removal activities should be conducted in accordance with Section 411.08 of the Road and Bridge Specifications. Materials removed from the project such as steel beams, metal guard rails, or deck timbers should be beneficially-reused or properly disposed. No other hazardous materials issues are anticipated on this project. This is a locally-administered project and all Hazmat activities will be completed by the locality without VDOT review. CEDAR record will be administratively updated when the signed Form EQ-121 is received from the locality.</p>	No impact
Known underground storage tanks	<p>Recorded tank sites: 0</p> <p>Observed or potential sites: 0</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 03/13/2007. This search resulted in the identification of no underground storage tanks within the project area.</p>	No impact
Air quality	<p>Recorded Area : Attainment area</p> <p>Volatile Organic Compound Y</p> <p>control area:</p>	Unknown



	<p>Comments: DEQ Air (03/29/2007)- This project is located within an Ozone Early Action Compact area and a volatile organic compounds (VOC) and oxides of nitrogen (NOx) Emissions Control Area. As such, all reasonable precautions should be taken to limit the emissions of VOC and NOx. In addition, the following DEQ air pollution regulations must be adhered to during the construction of this project: 9 VAC 5-40-5490 et seq., Cutback Asphalt restrictions; 9 VAC 5-50-60 et seq., Fugitive Dust precautions, and 9 VAC 5-40-5600 et seq., Open Burning restrictions.</p>	
Public parks and recreation areas	<p>Parks: Recreation areas:</p> <p>DCR's Virginia Outdoors Plan was searched for potential impacts to public parks and recreation areas. These resources are not present within or adjacent to the project area.</p> <p>Comments: No parks or recreational resources were observed during the environmental field reviews.</p>	No impact
Public waterfowl/wildlife refuges	<p>Refuges: 0 Virginia Land 0 Holdings:</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: No public waterfowl or wildlife refuges were observed during the environmental field reviews.</p>	No impact
Agricultural/forestal districts	<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: No agricultural or forestal districts were documented within or adjacent to the project as per Integrator GIS searches.</p>	No impact
Farm land	<p>Name or Location of farm: Abutment B</p> <p>Acres impacted: 0.22</p> <p>Comments: Farmlands are located on the eastern side of the Jackson River. Approximately 0.22 acres will be disturbed by the access roadway to the temporary upstream bridge.</p>	Impact
Forest land	<p>Name or Location of forest:</p>	No impact



	<p>Acres impacted: 0</p> <p>Comments: DOF (03/30/2007)- The Department of Forestry finds no significant impact to the forest resources of the Commonwealth for this project.</p>	
Existing open space easement	<p>Number and locations of easements: None</p> <p>Comments: VOF (04/12/2007)- No easement currently held by VOF will be affected by this project.</p>	No impact
Geology of site	<p>Location of areas of concern: None</p> <p>Comments: DMME (04/09/2007)- No impact to the geology or mineral resources.</p>	No impact
Public water supply	<p>Location of public water supply: None</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 03/13/2007. This search resulted in the identification of no public water supplies within the project area.</p> <p>Comments: No public water supply resources were observed in the project area during the environmental field reviews.</p>	No impact
Scenic resources	<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: See above.</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 : Y</p> <p>VDOT's Biologist has reviewed the available information and determined the Level of Impact at this stage : Y</p> <p>Comments: DCR/VDACS(04/10/2007)According to the information currently in our files, the James River – Big Creek Stream Conservation Unit is downstream of the project site. The James River – Big Creek SCU has been given a biodiversity significance ranking of B5, which represents a site of general significance. The natural heritage resource of concern associated with this SCU is: Polanisia</p>	Unknown



dodecandra ssp. dodecandra Common clammy-weed. Common clammy-weed is extremely rare in Virginia. This plant has only been found on cobble bars and within disturbed riverine habitats along the James River. It is currently known from 12 occurrences and historically known from 1 occurrence in Virginia. In addition, according to the information currently in our files, the Roughhead shiner (*Notropis semperasper*) has been historically documented downstream of the project site in the Cowpasture River. The Roughhead shiner is endemic to the Valley and Ridge Province within the upper James River drainage, and occupies warm, high quality streams and small rivers with clear water. Threats to this species include impoundment, pulp mill effluent, and competition with the introduced Telescope shiner. Turbidity and siltation are suspected to be limiting factors to the distribution of the Roughhead shiner. As a result, increased siltation due to construction activities may adversely impact this species. Please note that this species is currently classified as a species of concern by the United States Fish and Wildlife Service (USFWS) and as a special concern species by the Virginia Department of Game and Inland Fisheries (VDGIF); however these designations have no official legal status. To minimize adverse impacts to the aquatic ecosystem as a result of the proposed activities, DCR recommends the implementation of and strict adherence to applicable state and local erosion and sediment control/storm water management laws and regulations. Our files do not indicate the presence of any State Natural Area Preserves under DCR's jurisdiction in the project vicinity. Under a Memorandum of Agreement established between the Virginia Department of Agriculture and Consumer Services (VDACS) and DCR, 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.

VDOT ()-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.

DGIF (04/09/2007)-We do not anticipate significant adverse impacts upon listed wildlife resources under our jurisdiction as a result of this project. We recommend strict E&S and adherence to our standard instream work recommendations. VDOT - No federal or state listed species collections were documented within two miles of the project. Species which may be present if suitable habitat exist include: FESE James Spiny mussel, FTST Bald Eagle, FSSE Bewicks Wren, FSSE Shaggy Coil, FSST Orange fin Madtom, ST Peregrine Falcon, St Upland Sandpiper, FSST Migrant Loggerhead Shrike, ST Loggerhead Shrike, FSST Henslows Sparrow and FSST Atlantic Pigtoe.



<p>Natural heritage resources</p>	<p>Documented? : Y</p> <p>Site visit performed by DCR? : N</p> <p>Date Site visit performed? :</p> <p>Comments: DCR (04/10/2007)- According to the information currently in our files, the James River – Big Creek Stream Conservation Unit is downstream of the project site. The James River – Big Creek SCU has been given a biodiversity significance ranking of B5, which represents a site of general significance. The natural heritage resource of concern associated with this SCU is: <i>Polanisia dodecandra</i> ssp. <i>dodecandra</i> Common clammy-weed. Common clammy-weed is extremely rare in Virginia. This plant has only been found on cobble bars and within disturbed riverine habitats along the James River. It is currently known from 12 occurrences and historically known from 1 occurrence in Virginia. In addition, according to the information currently in our files, the Roughhead shiner (<i>Notropis semperasper</i>) has been historically documented downstream of the project site in the Cowpasture River. The Roughhead shiner is endemic to the Valley and Ridge Province within the upper James River drainage, and occupies warm, high quality streams and small rivers with clear water. Threats to this species include impoundment, pulp mill effluent, and competition with the introduced Telescope shiner. Turbidity and siltation are suspected to be limiting factors to the distribution of the Roughhead shiner. As a result, increased siltation due to construction activities may adversely impact this species. Please note that this species is currently classified as a species of concern by the United States Fish and Wildlife Service (USFWS) and as a special concern species by the Virginia Department of Game and Inland Fisheries (VDGIF); however these designations have no official legal status. To minimize adverse impacts to the aquatic ecosystem as a result of the proposed activities, DCR recommends the implementation of and strict adherence to applicable state and local erosion and sediment control/storm water management laws and regulations.</p>	<p>Unknown</p>
<p>Trout waters</p>	<p>Location : None</p> <p>A search of VDGIF's online Fish and Wildlife Information Service</p>	<p>No impact</p>



	<p>database revealed no trout waters within 2 miles of the project area.</p> <p>Comments: No trout waters or tributaries to trout waters will be impacted by this project.</p>	
Anadromous fish	<p>Location : None</p> <p>A search of VDGIF's online Fish and Wildlife Information Service database revealed no anadromous fish waters within 2 miles of the project area.</p> <p>Comments: No anadromous fish waters or tributaries to anadromous fish waters will be impacted by this project.</p>	No impact
Known shellfish grounds	<p>Location : None</p> <p>Comments: VMRC made no specific comments regarding known shellfish grounds.</p>	No impact
100-year floodplain areas	<p>FEMA FIRM Community Panel Number : 510018-0050-A</p> <p>Within 100-year floodplain ? Y</p> <p>Comments: The bridge and Route 727 are located within a FEMA regulated floodplain according to community panel 510018-0050-A (06-15-1978). The locality administering the project will be for ensuring that the project adheres to all applicable floodplain regulations.</p>	Unknown
Existing public access to waterways	<p>Access Exist? : N</p> <p>Recreation Use Bridge</p> <p>The bridge is not listed in the Inventory of Bridges with Recreational Use provided by DCR.</p> <p>Comments: No public access to waterways exists within the project limits.</p>	No impact
Federal Property	<p>Name or Location : None</p> <p>Comments: No federal property was documented within or adjacent to the project location.</p>	No impact
Historic resource	<p>Previously recorded architectural resources ? : Yes</p> <p>Previously recorded archaeological resources ? : Yes</p> <p>Area of Potential Effects : The APE for archaeology is the construction limits of the project, including all easements. The APE for architecture includes all above-ground resources over 50 years of age on parcels within or adjacent to the construction limits.</p> <p>Effect determination : Cannot Be Concluded in SERP</p> <p>Studies Needed to ID Historic Properties :</p> <p>Comments : It is the Locality's responsibility to coordinate the</p>	Cannot Be Concluded in SERP



project with the Virginia Department of Historic Resources and other parties in a manner consistent with 36 CFR Part 800. The Locality shall conduct any technical studies necessary to identify historic properties and determine project effects, and shall implement any commitments made for avoiding, minimizing, and mitigating adverse effects.

Water quality permits

Streams involved? : Y	Unknown
If yes, name of stream(s): Jackson River	
If yes, streamflow is: Jackson River is >= 5 Sq.Miles	Unknown
Wetlands involved? : N	
If yes, amount of impact:	Unknown
Are permits required? : Undetermined	
If yes, type of permit required :	Unknown
Comments : VMRC (03/30/2007)- Since this project is a locally administered project, not a "VDOT" build project, it will need a VMRC standard permit, it won't qualify for the VGP #1 general permit. We can use the info obtained during the SERP process in our review, but will have to receive a standard Joint Permit Application and have to advertise locally and notify adjacent property owners. VDOT - The locality administering this project must coordinate with VMRC to obtain any applicable permits.	
DEQ-Water : (03/29/2007)-Based on the scope of work an onsite survey should be conducted to determine the location, extent, and type of surface waters present. Applicant should 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. For bridge replacement, all instream work should be performed in the dry utilizing cofferdams, stream diversions and / or working during low flow conditions. Heavy equipment should work from uplands to the greatest extent possible and utilize mats and strict erosion and sediment controls for work that must be conducted from within surface waters. The proposed work causeway should be constructed of non erodible materials. Caution should be taken to ensure prevention of the release of any oil or fuel from heavy equipment into surface waters. The applicant should attempt to eliminate or reduce the amount of riprap to the greatest extent possible. VDOT - The locality administering this	



project must coordinate with DEQ to obtain any applicable permits.

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. This project will be administered by the locality. The locality administering the project will be responsible for coordinating cultural resources in a manner consistent with 36 CFR Part 800, managing all hazardous material issues, and acquiring applicable water quality permits.



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05/03/2007

NEPA Concurrence

NEPA Documentation Concurrence Form

Project Information			
Project Name:	0727-011-6140	Federal Project#:	BROS-011-8(004)
Project Number:	0727-011-259, B669, M501, P106, R201	Project Type:	Construction
UPC:	73249	Charge Number:	
Route Number:	727	Route Type:	Secondary
Project Limit--From:	BRIDGE REPLACEMENT (STRUCTURE #6140)	To:	(0.05 MILE EAST ROUTE 220)
Additional Project Description:	<p>Replace Rt. 727 bridge (Farm Fork Road) over the Jackson River and improve roadway approaches. The bridge and approach project will begin at inter. of Route 220 and Route 727 and then extend east approximately 800 feet including 300 foot bridge. A temporary bridge will be necessary during construction. The existing structure consists of two simple span steel trusses with timber deck posted at 12 tons. The proposed bridge is a two lane structure with a 20 ft. width curb to curb. The temporary bridge will consist of a single lane structure with a minimal distance of 16 feet curb to curb. The temporary design would provide a 40 foot causeway during construction. Project is locally administered by Alleghany County to gain access to site for construction and operation of a new Waste Water Treatment plant which is not included in this project review.</p>		
District:	City/County:	Residency:	
Salem	Botetourt	Salem	

Suggested Level of NEPA Document: CE Category 23 CFR 771.117: d03

Description of CE Category:

Bridge rehabilitation, reconstruction or replacement or the construction of grade separation to replace existing at-grade railroad crossings.

Comments:

Cumulative Impacts: Present or reasonably foreseeable future projects in the area? Yes

Future Project Comments:

Waster water treatment plant

Air / Noise Scoping Form

Air & Noise Scoping/Studies Request Form

Project Information	
Project Name:	0727-011-6140
Project Number:	0727-011-259, B669, M501, P106, R201
UPC:	73249
Route Number:	727
Project Limit--From:	BRIDGE REPLACEMENT (STRUCTURE #6140)
To:	(0.05 MILE EAST ROUTE 220)
PPTA/LAP	
Locally Administered?	Yes
PPTA?	No
Funding Source:	Federal
IPM Project Description:	RTE 727 - BRIDGE OVER THE JACKSON RIVER
Additional Project Description:	Replace Rt. 727 bridge (Farm Fork Road) over the Jackson River and improve roadway approaches. The bridge and approach project will begin at inter. of Route 220 and Route 727 and then extend east approximately 800 feet including 300 foot bridge. A temporary bridge will be necessary during construction. The existing structure consists of two simple span steel trusses with timber deck posted at 12 tons. The proposed bridge is a two lane structure with a 20 ft. width curb to curb. The temporary bridge will consist of a single lane structure with a minimal distance of 16 feet curb to curb. The temporary design would provide a 40 foot causeway during construction. Project is locally administered by Allegheny County to gain access to site for construction and operation of a new Waste Water Treatment plant which is not included in this project review.
NEPA Required?	Yes
Document Type:	CE
Ad Date:	11/13/2012

Air/Noise Studies Due Date:

Number of Build Alternatives: 1

Additional Notes:

Air/Noise Sensitive Activities adjacent to the project corridor.					
X	SF Homes		Apts/Condos/TownHms		Parks
	Recreational		Churches		Schools
	Hospitals		None		Other (Described in description below)

Design Year: 2019

Design Year Traffic ADT:

Existing Year: 2006

Existing Year Traffic ADT: 50

Existing Level of Service (LOS):

Design Year Level of Service (LOS):

Roadway Plans: Hard Copy Through Mail

Location Map Sent: Cedar Project Shape

Completed By: Clark, Renee Y

Air Determination Task Planned Start Date: 08/23/2007

Noise Determination Task Planned Start Date: 08/23/2007

Project: 0165-131-505, RW201
UPC ID: 81445

**RIGHT OF WAY AND UTILITIES REVIEW CHECKLIST TO
CONFIRM INCLUSION OF THE FOLLOWING ON RIGHT OF WAY PLANS:**

NOTE: INDIVIDUAL LANDOWNERS ARE YET TO BE CONTACTED. CONTACT MAY RESULT IN FUTURE REVISIONS TO SUCH ITEMS AS LANDOWNER NAMES, PROPERTY LINES, TOPOGRAPHY AND REVISIONS IN DESIGN TO MITIGATE IMPACTS TO INDIVIDUAL PROPERTIES. IF NOT APPLICABLE, PLEASE LEAVE YES AND NO BOXES BLANK AND INDICATE N/A UNDER COMMENTS.

1. Termini correct and agree with PPMS
 YES NO
Comments:

2. Right of Way Data Sheet
 YES NO
Comments:

3. Plan note worded as "These plans are unfinished and are not to be used for any type of construction."
 YES NO
Comments:

4. Property owners' names, deed reference and acreage
 YES NO
Comments:

5. Parcel numbers, D-numbers, Sign numbers
 YES NO
Comments:

6. Existing right of way and/or prescriptive easement shown
 YES NO
Comments:

7. Existing utilities identified and located and utility companies listed on Sheet 3
 YES NO
Comments:

8. Topography (i.e., property and lot lines, cemeteries, septic systems, wells, landscaping, fences, above ground improvements, underground storage facilities, etc.)
 YES NO

Project: 0165-131-S05, RW201

UPC ID: 81445

Comments:

9. Affected structures and other improvements clearly located and identified, including those beyond the project limits but impacted by the acquisition

YES NO

Comments:

10. Entrances (existing and proposed entrances, including alignments, grades and impact)

YES NO

Comments:

11. Prior recommendations by Right of Way and Utilities Division have been incorporated in the plans

YES NO

Comments:

12. Proposed right of way and proposed easements, including utility easements

YES NO

Comments:

13. Metes and bounds surveys furnished for proposed rights of way/easements on properties as required for special properties (refer to *Design Manual* for specific section that addresses this issue)

YES NO

Comments: N/A

14. Mitigation/storm water management areas identified during scoping/PFI and Public Hearing are clearly labeled (this should be verified with the Environmental Division for mitigation and Location and Design Hydraulics Section for storm water)

YES NO

Comments: N/A

15. Sound wall assessment complete and walls/easements located on plans (this should be verified with the Environmental Division)

YES NO

Comments: N/A

16. Traffic control/signalization right of way/easements and roadway lighting identified (this should be verified with the Traffic Engineering Division)

YES NO

Comments: N/A

Project: 0165-131-S05, RW201

UPC ID: 81445

17. Entire property is shown for purchase of residue

YES NO

Comments: N/A

18. Total take/total acquisition properties shown in their entirety

YES NO

Comments: N/A

19. Proffers and dedications indicate on plans (Land Development review)

YES NO

Comments: N/A

PCES Estimate

UPC: 89985

Project Cost Estimating System
CONSTRUCTION / BRIDGE / PE

Project No. **962026**

Interstate Project ?

Route Number

	CONST-1	CONST-2	Bridges (0)	Total
Geometric Standard				
Construction Base	\$0	\$0	\$165,148	\$165,148
Bridge Removal			\$0	\$0
CE	\$0		\$27,024	\$27,024
Construction Estimate (2009)	\$0		\$192,172	\$192,172
To AdYear Inflation				\$0
Mid-point construction Inflation				\$0
Total Construction Estimate			\$192,172	\$192,172
Preliminary Engineering Cost	\$0		\$53,673	\$30,000

CONSTRUCTION & PE TOTALS

Total Construction Estimate
(Roadway plus Bridge)

\$192,172

*TRNS*PORT*

Total Preliminary Engineering Estimate
(Roadway plus Bridge)

\$30,000

Manual

Virginia Department of Transportation 2005
© Revised 02/03/09

Today's Date: 04/22/09

Version 2.61

Notice of Public Hearing



City of Manassas Park
Manassas Drive/Euclid Avenue
Intersection Improvements

Design Public Hearing

Public Hearing, Tuesday, March 10, 2009: 7 p.m.
Preceded by Open House; 6 p.m. – 7 p.m.
Council Chambers, City Hall
One Park Center Ct., Manassas Park, VA

Review preliminary plans for the proposed improvements to the intersection involving additional left turn lanes and dedicated right turn lanes on all four legs of the intersection.

Preview the project information, environmental documents and preliminary plans at the Department of Public Works office, 331 Manassas Drive, Manassas Park, (703) 335-8686.

Give your written or verbal comments at the hearing or submit them, by **March 20, 2009**, to Ms. Kathryn Moore, Department of Public Works, 331 Manassas Drive, Manassas Park, VA 20111. You may also email your comments by emailing k.moore@manassasparkva.gov. Please reference "Manassas Drive & Euclid Avenue PH Comments" in the subject heading.

The City of Manassas Park ensures nondiscrimination in all programs and activities in accordance with Title VI of the Civil Rights Act of 1964. For information call (703) 335-8686 or TDD 711.
Website: www.cityofmanassaspark.us
State Project: U000-152-104,P101,R201,C501
Federal No: STP-5401 (768)

Progress Billings / Reimbursement Request

RECEIVED
APR 29 2009

Administration Division
703.838.4770
FAX 703.519.3332

Facilities Maintenance
Division
703.838.4770
FAX 703.838-4932

Communications Division
703.838.4940
FAX 703.838.3810



PRELIMINARY ENGINEERING

Fleet Services Division
703.519.5989
FAX 703.519.5992

Capital Projects Division
703.838.4770
FAX 703.519.3351

DEPARTMENT OF GENERAL SERVICES

110 North Royal Street, Suite 300
Alexandria, Virginia 22314
alexandriava.gov

April 21, 2009

Richard W. Burke
District Urban Program Manager
14585 Avion Parkway
Chantilly, VA 20151

Re: Reimbursement Request for DASH Bus Facility, VDOT Project UPC #71853.

Dear Mr. Burke:

Please find enclosed the following: two (2) invoices from Hensel Phelps Construction Company; Design-Build Agreement dated March 17, 2008; RFP #0711, dated September 10, 2007; Purchase Order 08-06622 for design-build services; two (2) invoices from Parson Brinckerhoff (PB America, Inc.), Purchase Order #09-00382, dated October 15, 2009, for project management services; A. Morton Thomas & Associates Purchase Order #09-00685, dated October 6, 2008, for Professional Services, as well as various invoices for the DASH project as referenced above. The City of Alexandria is satisfied with the construction work performed by Hensel Phelps and Washington Gas, Project Management services performed by PB America, Inc. and Professional Services performed by A. Morton Thomas & Associates.

In addition, I hereby certify that the City of Alexandria certifies the invoices to be accurate; the items being requested for payment have been completed, installed or stored on the project and have not been previously paid for; the City of Alexandria certifies that all work performed and materials used on the project during the pay period meet applicable FHWA and VDOT requirements; the City of Alexandria certifies that all applicable Environmental Controls are in place and are being maintained by the contractor; the City of Alexandria certifies that all required Civil Rights, Equal Opportunity, and DBE documentation has been submitted or is being prepared for submittal by the contractor.

Hensel Phelps Payments:

Inv. #	Inv. Date	Inv. Amt	Voucher #	Payment Date	Check #
11	03/26/09	\$1,076,854.93	802338	04/07/09	471193
12	03/26/09	\$1,906,564.54	802338	04/07/09	471193
Sub-total		\$2,983,419.47			

Mr. Richard W. Burke
April 21, 2009
Page 2

PB America, Inc. Payments:

Inv. #	Inv. Date	Inv. Amt	Voucher #	Payment Date	Check #
4	03/26/09	\$45,983.99	802337	04/10/09	47155
5	03/26/09	\$33,962.91	802339	04/10/09	47155
Sub-total		\$79,946.90			

Washington Gas:

Inv. #	Inv. Date	Inv. Amt	Voucher #	Payment Date	Check #
	12/5/08	\$43,913.00	811221	03/4/09	468817
Sub-total		\$43,913.00			

A. Morton Thomas & Associates:

Inv. #	Inv. Date	Inv. Amt	Voucher #	Payment Date	Check #
1	03/26/09	\$35,127.00	PO09-00685	04/07/09	471188
Sub-total		\$35,127.00			

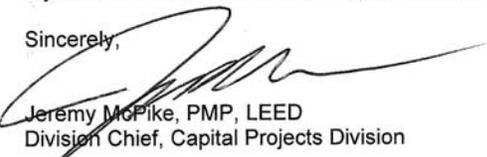
We are requesting reimbursement in the total amount of \$3,142,406.37. This amount may be wired to the City of Alexandria's concentrated account:

Sun Trust Bank
ABA Routing Number: 061000104
Account Number: 009005358

Please reference City number 240092 for Hensel Phelps, PB America, Inc., Washington Gas and A. Morton Thomas & Associates.

If you need additional information, please do not hesitate to contact me at 703-746-4770.

Sincerely,


Jeremy McPike, PMP, LEED
Division Chief, Capital Projects Division

cc: Mike Shaw, VDOT
Al Coleman, COA – General Services, Administration
Adrian King, COA – General Services, Capital Projects Division
Attachments

Consultant Pre-Award Audit Package

[REDACTED] | [REDACTED]

August 11, 2008
August 29, 2008 (Revised) R1
September 09, 2008 (Revised) R2
September 11, 2008 (Revised) R3
November 10, 2008 (Revised) R4
February 20, 2009 (Revised) R5
March 03, 2009 (Revised) R6

[REDACTED]
[REDACTED]
[REDACTED]

Dumfries, VA 22026

Re: National Museum of the Marine Corps
Professional services proposal for design of the SFMP Pathways Project
Project #200809.000

Dear [REDACTED]:

In response to our telephone conversation of 02/23/09 regarding the modified fee, [REDACTED] is pleased to submit our revised proposal for design services and preparation of construction documents for Semper Fidelis Memorial Park Pathways Project at the US Marine Corps Heritage Center site.

These services are to be provided by [REDACTED] Architects (FA) for the US Marine Corps Heritage Foundation (HF) for the provision of professional architectural and engineering services for the project located in Quantico, Virginia. The scope of work is outlined herein.

Project Objectives

We understand you would like us to proceed with the design work and preparation of construction documents for the Semper Fidelis Memorial Park Pathways project.

Project Description

The project is described as a single-phase project consisting of the following components:

- a) Trails and seven (7) rally points to the south of the existing parking lot;
(1) existing rally point to "final design" (6) rally points to "temporary design";
- b) If practical all trails are to accommodate memorial bricks;
- c) Trail furnishings (Benches and trash receptacles);
- d) Minor modifications to the existing John A. Lejeune rally point;
- e) Minimum/basic Trail directional signage;
- f) Modest bridge over wetland area;
- g) Unit memorial stone plaque wall, 20-30 lineal feet, 4 feet high, standard plaque size 28"H x 20"W.
(This proposal does not include unit memorial design or layout)

[REDACTED] and its consultants will be responsible for the provision of design, construction cost estimating and preparation of construction contract documents related to the design and development of the Semper Fidelis Memorial Park Pathways including coordination of utility interface as the design progresses. The coordination required integrating the work of the utilities, site work and trails will occur through the use of joint progress meetings to be facilitated by [REDACTED].

This report is intended solely for the use of Fentress Architects, Ltd. and government agencies that use the cost principles of the Federal Acquisition Regulations and should not be used for any other purpose.



February 10, 2009

US Marine Corps Heritage Foundation

August 11, 2008

August 29, 2008 (Revised) R1

September 09, 2008 (Revised) R2

September 11, 2008 (Revised) R3

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February 20, 2009 (Revised) R5

March 03, 2009 (Revised) R6

Page 2

Design Team

This effort will be led by [REDACTED] Architects and will include our consultant's studio [REDACTED] Design Landscape Architect; [REDACTED] & Associates Inc., Civil Engineer and Landscape Architect of Record; [REDACTED] Inc., Geotechnical Engineer; [REDACTED] Structural Engineer; [REDACTED] Inc., Specifications; [REDACTED] Inc, Construction Cost Estimating.

Assumptions

- a) Our previously completed and approved site Master plan dated 7 May, 2007 forms the basis of our starting point of the design.
- b) A one (1) day design charrette is planned to determine the design direction and to finalize the Scope of Work.
- c) 35% progress design meeting to finalize the design direction.
- d) Design Phase: We have provided for 50%, submittal for review by the Heritage Foundation and Virginia Department of Transportation (VDOT). We have also provided for a 90% and 100% review for the Heritage Foundation. NAVFAC Washington will be provided a courtesy submission. Review comments will be provided via a "to be determined" method by the Construction Manager. All responses are to be provided to Fortress within four weeks of the submittal date for the 50% submission and 2 weeks for the 90% and 100% Heritage Foundation reviews. No formal response or submission is included by the design team. However, comments will be incorporated into the next deliverable. We have also assumed that specifications will be required to be in the Navy's Specs Intact format; and consistent with our prior work. We have assumed our cost estimates do not need to be in the Navy's Success format.
- e) We have included a limited number of submittal documents and coordination of a review by Public Works, NEPA, and MCB Quantico for erosion and sediment control and storm water master plan compliance.
- f) Use of existing wetland delineation documents and research to locate wetland delineation information is included.
- g) Environmental / Hazardous Materials and Wetlands Delineation and mitigation consulting services are not included.
- h) Submittal to National Capitol Planning Commission (NCPC) of the Commission on Fine Arts (CFA) is not included.
- i) All services in conjunction with attracting donor interest, developing strategies for donor recognition or services relative to project financing are not in the scope of work.
- j) Construction Phase: All design and documentation is to be performed as one continuous design phase. It may be determined by the Owner at the 90% submission of design to phase the construction. Any additional bid phasing and document reorganization is not included in the scope of services.
- k) All finished trails shall be ADA compliant. Future trails i.e. wood mulch surface trails will not conform to ADA criteria.
- l) Construction Administration Services are not included.

Construction Cost Estimating and Scheduling

Construction cost estimating will be provided by [REDACTED] design team member [REDACTED] Inc. who has been involved with the cost estimating services for the prior phases of the Park. Budget confirmation will be provided to the Client through the design phase at the following intervals:

- a. Construction cost estimate and a construction schedule will be provided two (2) weeks following the 50% complete Construction Documents submission.
- b. Construction cost estimate and a construction schedule will be provided two (2) weeks following

US Marine Corps Heritage Foundation

August 11, 2008

August 29, 2008 (Revised) R1

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March 03, 2009 (Revised) R6

Page 3

the 90% complete Construction Documents submission.

- c. Construction cost estimate and schedule will be provided two (2) weeks following the 100% complete Construction Documents submission.

Project Design Schedule

It is anticipated a Notice to Proceed for this work will be provided to [REDACTED] Architects around October 1, 2008 and design will complete spring of 2009 as the schedule below indicates. We will hold regularly scheduled team design coordination meetings appropriate to the level of design coordination required at each phase.

We have developed below the preliminary Project schedule indicating the general design phase durations and dates for key milestones. This schedule will be updated upon at the time of the NTP and regularly through out the design process to reflect current project progress. Revisions to the program or Concept Design after the NTP may require adjustment to this schedule.

Notice to Proceed	April 01, 2009
Charrette Design Prep (2 weeks)	April 02, 2009 – April 17, 2009
One day Design Charrette	April 20, 2009
Design to 35% (3 weeks)	April 21, 2009 – May 12, 2009
35% Design Review mtg. w/[REDACTED]	May 13, 2009
Design to 50% (3 weeks)	May 14, 2009 – June 04, 2009
50% submission/printing	June 09, 2009
50% cost estimate (2 weeks)	June 05, 2009 – June 19, 2009
<i>(from submission date)</i>	
VDOT/ MCHF Review (4 weeks)	June 10, 2009 – July 08, 2009
<i>(from submission date)</i>	
Design to 90% (6 weeks)	June 05, 2009 – July 17, 2009
90% submission/printing	July 22, 2009
90% cost estimate (2 weeks)	July 20, 2009 – August 03, 2009
<i>(from submission date)</i>	
MCHF Review (2 weeks)	July 23, 2009 – August 06, 2009
<i>(from submission date)</i>	
Design to 100% (4 weeks)	August 07, 2009 – September 04, 2009
100% submission/printing	September 09, 2009
100% cost estimate (2 weeks)	September 07, 2009 – September 21, 2009
<i>(from submission date)</i>	
MCHF Review (2 weeks)	September 10, 2009 – September 24, 2009
<i>(from submission date)</i>	
Prepare Final Documents (2 weeks)	September 25, 2009 – October 09, 2009
<i>(from 100% review comment receipt)</i>	
Final submission/printing	October 14, 2009
Total: 28 weeks	

US Marine Corps Heritage Foundation

August 11, 2008

August 29, 2008 (Revised) R1

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Should the scope of Work outlined in this agreement change, resulting in an extension of the schedule beyond the above durations an Additional Service will be prepared based on a time and material basis unless a mutually agreeable lump sum is determined.

Professional Services Compensation

Compensation for our professional services and direct expenses shall be a total compensation of \$515,166. A VDOT Owner design contingency of 5% is \$25,758. An itemized outline herein includes our consultant fees and direct expenses such as travel, printing, telephone, fax, express mail and other miscellaneous expenses. We have included the provision of eight (8) sets of review documents at each milestone printing for use by the review entities. In addition 1 CD (electronic file) will be provided to the Owner. We have also included twelve (12) copies of each submission for Quantico Base Public Works. We have not included printing expenses beyond this for review or for bidding and/or pricing purposes.

Our professional services fee for the base scope of work and Direct Expenses are indicated below and on the attached spreadsheets. Our fee allocation is as follows:

Base Services	
[REDACTED]	\$132,062
[REDACTED] – Civil Engineer	\$173,412
studio [REDACTED] – Landscape Architect	\$ 77,783
[REDACTED] – Structural Engineer	\$ 59,793
[REDACTED], Inc.	\$ 5,125
[REDACTED] - Construction Cost Estimating	\$ 33,689
Specifications Inc.	\$ 5,184
Total	\$487,048

Direct Costs	
[REDACTED]	\$15,389
[REDACTED] – Civil Engineer	\$ 2,649
studio [REDACTED] – Landscape Architect	\$ 9,102
[REDACTED] – Structural Engineer	\$ 601
[REDACTED], Inc.	\$ 202
[REDACTED] - Construction Cost Estimating	\$ 175
Specifications Inc.	\$ 0
Total	\$28,118

Note:
Project Invoicing will occur monthly and will be based on the percent of work complete.

US Marine Corps Heritage Foundation

August 11, 2008

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Agreement

Upon acceptance of the Scope of Design Services proposal, [REDACTED] will prepare an AIA Document B141 - 1997 "Standard Form of Agreement Between Architect and Owner" for the Design Services fee proposal for the SFMP Pathways Project. This is the same form of agreement utilized for the Design work for the National Museum of the Marine Corps.

Should you require any additional information or have any questions, please feel free to call. We look forward to working with you in realizing your objectives for the design of the Semper Fidelis Memorial Park Pathways Project and look forward to getting underway.

Sincerely,

[REDACTED]

Director of Architecture

[REDACTED]

[REDACTED]

c:

[REDACTED]

Attachment A
SFMP Pathways Project
Fee Computation

<u>Employee Classification</u>	<u>Estimated Man-hours</u>	<u>Average Rate</u>	<u>Direct Labor</u>
Principal	0	\$ -	\$0
Senior Project Manager	306	\$ 67.31	\$20,597
Architect	403	\$ 42.53	\$17,140
Architect Intern	72	\$ 25.81	\$1,858
Clerical	76	\$ 20.96	\$1,593
<hr/>			
DIRECT LABOR SUBTOTAL	857		\$41,188
OVERHEAD @	190.43%		\$78,434
<hr/>			
SUBTOTAL			\$119,622
NET FEE +	10.00%		\$11,962
COST OF FAC CAPITAL @	1.16%	OF \$41,188	\$478
<hr/>			
SUBTOTAL			\$132,062
DIRECT COSTS, SUBCONSULTANTS			
DIRECT COSTS (attachment B)		\$15,389	
SUBTOTAL			\$15,389
TOTAL Architectural FEE			\$147,451

**Attachment A (Cont.)
SFMP Pathways Project
[REDACTED] Fee Computation**

SUMMARY:

Total Fee

Company

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED] Inc.
[REDACTED] Inc.

Total Fee

\$147,451.00
\$ 86,885.00
\$ 176,061.00
\$ 5,327.00
\$ 60,394.00
\$ 33,864.00
\$ 5,184.00

Sub-Total

Owners Design Contingency 5%

\$515,166
\$25,758

Project Total Architectural Fee

\$540,924

Attachment B
SFMP Pathways Project
[REDACTED] - Direct Costs, Subconsultants

DIRECT COSTS

Submission Printing

35% Review documents	HF	4 sets x 20 sheets @ \$1.50/sheet	\$ 120.00
50% Submission	VDOT/NAVFAC/HF	8 sets x 40 sheets @ \$1.50/sheet	\$ 480.00
	Quantico Base	12 sets x 40 sheets @ \$1.50/sheet	\$ 720.00
90% Submission	VDOT/NAVFAC/HF	8 sets x 70 sheets @ \$1.50/sheet	\$ 840.00
	Quantico Base	12 sets x 70 sheets @ \$1.50/sheet	\$ 1,260.00
100% submission	VDOT/NAVFAC/HF	8 sets x 70 sheets @ \$1.50/sheet	\$ 840.00
	Quantico Base	12 sets x 70 sheets @ \$1.50/sheet	\$ 1,260.00
Final Submission	VDOT/NAVFAC/HF	8 sets x 70 sheets @ \$1.50/sheet	\$ 840.00
	Quantico Base	12 sets x 70 sheets @ \$1.50/sheet	\$ 1,260.00
Final Mylars		1 set x 70 sheets @ \$9.00/sheet	\$ 630.00

Submission Copies

50% Submission	VDOT/NAVFAC/HF	8 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 420.00
	Quantico Base	12 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 630.00
90% Submission	VDOT/NAVFAC/HF	8 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 420.00
	Quantico Base	12 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 630.00
100% submission	VDOT/NAVFAC/HF	8 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 420.00
	Quantico Base	12 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 630.00
Final Submission	VDOT/NAVFAC/HF	8 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 420.00
	Quantico Base	12 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 630.00
Spec Binding		84 spec books @ \$6 for 400 sheets or less	\$ 504.00

Progress Printings

Progress Plots		1 set per submission @ \$1.50/sheet	\$ 420.00
Progress Copies		1000 - 8.5x11 sheets @ \$0.15/Sheet	\$ 150.00

Delivery

VDOT/NAVFAC/HF		15 deliveries @ \$50.00/Delivery	\$ 750.00
		3 deliveries per submission	
Quantico Base		4 submissions @ \$100/Delivery	\$ 400.00

Mileage

		20 trips @ 65 miles x \$0.55/mile	\$ 715.00
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Total Direct Costs **\$ 15,389.00**

SUBCONSULTANTS

** See attachments for Subconsultant cost

[REDACTED]	Landscape Architect	\$ 86,885.00
[REDACTED]	Civil Engineering	\$ 176,061.00
[REDACTED]	Geotechnical Engineer	\$ 5,327.00
[REDACTED]	Structural Engineer	\$ 60,394.00
[REDACTED]	Cost Estimating	\$ 33,864.00
[REDACTED]	Specifications	\$ 5,184.00

Total Subconsultants **\$ 367,715.00**

- Attachment C
SFMP Pathways Project
- Manhour Estimate

<u>CONTRACT ITEM</u>	<u>Senior Project Manager</u>	<u>Principal</u>	<u>Architect</u>	<u>Architect Intern</u>	<u>Clerical</u>	<u>Total</u>
No. 1						
1.01 Contract Preparation	80				16	96
1.02 Project team contract preparation	80				16	96
1.03 Owner Contract preparation	47				6	53
1.03 VDOT Requirements audit and requests						
Subtotal	207	0	0	0	38	245
No. 2						
2.01 50% Construction Document Submission	1		9	1		11
2.02 Geotechnical Coordination	1		17	4		22
2.03 Landscape Coordination	2		18	6		26
2.05 Civil Coordination	2		8	6		16
2.06 Structural Coordination	1		7			8
2.06 Cost Estimating Coordination	1		30	10		41
2.07 Directional Signage	1		1	4		5
2.07 Cover Sheet						
2.06 QA/QC	3		8			11
Subtotal	11	0	98	31	0	140
No. 3						
3.01 90% Construction Documents Submission			8	1		9
3.02 Geotechnical Coordination - Borings / Report			18			18
3.03 Landscape Coordination			18	2		20
3.05 Civil Coordination			8	2		10
3.06 Structural Coordination	1		7			8
3.06 Cost Estimating Coordination	1		8	8		17
3.07 Directional Signage			1	2		3
3.07 Cover Sheet						
3.06 QA/QC	3		16			19
Subtotal	5	0	84	15	0	104

**Attachment C (cont'd)
SFMP Pathways Project
[REDACTED] - Manhour Estimate**

<u>CONTRACT ITEM</u>	<u>Principal</u>	<u>Senior Project Manager</u>	<u>Architect</u>	<u>Intern</u>	<u>Clerical</u>	<u>Total</u>
No. 4						
4.01	100% Construction Documents Submission		4	1		5
4.02	Geotechnical Coordination - Borings / Report		18			18
4.03	Landscape Coordination		18			20
4.04	Civil Coordination		8	2		10
4.05	Structural Coordination		5			6
4.06	Cost Estimating Coordination	1	8			17
4.07	Directional Signage	1	1	2		3
4.08	Cover Sheet		1			3
4.09	QA/QC	3	16			19
	Subtotal	0	78	15	0	98
No. 5						
5.01	Final Issue		1			1
5.02	Geotechnical Coordination - Borings / Report		3			3
5.03	Landscape Coordination		4			4
5.04	Civil Coordination		4			4
5.05	Structural Coordination		4			4
5.06	Cost Estimating Coordination	1	3			4
5.07	Directional Signage		4	2		6
5.08	Cover Sheet		1			1
5.09	QA/QC	3	6	1		9
	Subtotal	0	25	3	0	32
No. 6						
6.01	Construction Specifications		10			15
6.02	50% Outline Specification	1	10		4	15
6.03	90% Specification	1	10		4	15
6.04	100% Specifications	1	10		4	15
6.05	Final Specifications	2	10		4	16
6.06	QA/QC		10			16
	Subtotal	0	50	0	20	76
No. 7						
7.01	Plan Processing Comments - VDOT/NAVFACHF		9			13
7.02	35% Progress Review Meeting Comments	4	9			13
7.03	50% Submission Review Comments	4	9			13
7.04	90% Submission Review Comments	4	9			13
	Subtotal	0	36	0	0	52

**Attachment C (cont'd)
SFMP Pathways Project
Manhour Estimate**

<u>CONTRACT ITEM</u>	<u>Principal</u>	<u>Senior Project Manager</u>	<u>Architect</u>	<u>Intern</u>	<u>Clerical</u>	<u>Total</u>
No. 8 Meetings and Meeting Minutes						
8.01 One Day Design Charrette / Kick off Meeting		8				8
8.02 Meeting Minutes		4			2	6
8.03 35% Progress Review Meeting		6				6
8.04 35% Meeting Minutes		4			2	6
8.05 50% Design Review Meeting		6				6
8.06 50% Meeting Minutes		4			2	6
8.07 90% Design Review Meeting		6				6
8.08 90% Meeting Minutes		4			2	6
8.09 100% Design Review Meeting		6				6
8.1 Meeting Minutes		4			2	6
Subtotal	0	52	0	0	10	62
No. 9 Submissions -Printing and Distribution						
9.01 50% submission			8	2	2	12
9.02 90% Submission			8	2	2	12
9.03 100% Submission			8	2	2	12
9.04 Final Submission			8	2	2	12
Subtotal	0	0	32	8	8	48
Total	0	306	403	72	76	857

**Attachment B
SFMP Pathways Project**

██████████ - Direct Costs, Subconsultants

DIRECT COSTS

Submission Printing

35% Review documents	HF	4 sets x 20 sheets @ \$1.50/sheet	\$ 120.00
50% Submission	VDOT/NAVFAC/HF	8 sets x 40 sheets @ \$1.50/sheet	\$ 480.00
	Quantico Base	12 sets x 40 sheets @ \$1.50/sheet	\$ 720.00
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	Quantico Base	12 sets x 70 sheets @ \$1.50/sheet	\$ 1,260.00
Final Mylars		1 set x 70 sheets @ \$9.00/sheet	\$ 630.00

Submission Copies

50% Submission	VDOT/NAVFAC/HF	8 sets x 350 8.5x11 sheets @ \$0.15/Sheet	\$ 420.00
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Progress Copies		1000 - 8.5x11 sheets @ \$0.15/Sheet	\$ 150.00

Delivery

VDOT/NAVFAC/HF		15 deliveries @ \$50.00/Delivery	\$ 750.00
Quantico Base		3 deliveries per submission 4 submissions @ \$100/Delivery	\$ 400.00

Mileage

		20 trips @ 65 miles x \$0.55/mile	\$ 715.00
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Total Direct Costs **\$ 15,389.00**

SUBCONSULTANTS

** See attachments for Subconsultant cost

██████████	Landscape Architect	\$ 86,885.00
██████████	Civil Engineering	\$ 176,061.00
██████████	Geotechnical Engineer	\$ 5,327.00
██████████	Structural Engineer	\$ 60,394.00
██████████	Cost Estimating	\$ 33,864.00
██████████	Specifications	\$ 5,184.00

Total Subconsultants **\$ 367,715.00**

Employee List

Friday, February 20, 2009

[REDACTED] Ltd.

10:57:49 AM

Full Name	Job Cost Rate
[REDACTED]	20.9600
[REDACTED]	80.0000
[REDACTED]	67.3100
[REDACTED]	42.5300
[REDACTED]	25.8100

**STATEMENT OF DIRECT LABOR,
FRINGE BENEFITS & GENERAL OVERHEAD
AND
INDEPENDENT AUDITOR'S REPORT**

[REDACTED] LTD.

December 31, 2008

[REDACTED] LLC
Certified Public Accounting Firm
[REDACTED]
Cortez, FL 34215
[REDACTED]

[REDACTED] LLC
Certified Public Accounting Firm

[REDACTED]
Cortez, FL 34215
[REDACTED]

[REDACTED]
CPA, CIA, CGFM

[REDACTED]
CIA, CGFM

Independent Auditor's Report

Board of Directors
[REDACTED]

We have audited the accompanying Statement of Direct Labor, Fringe Benefits & General Overhead of [REDACTED] Ltd. (the Company) for the year ended December 31, 2008. This statement is the responsibility of the Company's management. Our responsibility is to express an opinion on this statement based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the statement is free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the Statement of Direct Labor, Fringe Benefits and General Overhead. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall statement presentation. We believe that our audit provides a reasonable basis for our opinion.

The accompanying statement was prepared on the basis of accounting practices prescribed by Part 31 of the Federal Acquisition Regulations and certain other Federal and state regulations as discussed in Note 2 and is not intended to be a presentation in conformity with generally accepted accounting principles.

In our opinion, the statement referred to above presents fairly, in all material respects, the direct labor, fringe benefits & general overhead of the Company for the year ended December 31, 2008, on the basis of accounting described in Note 2.

In accordance with *Government Auditing Standards* we have also issued a report dated February 10, 2009 on our consideration of the Company's internal control structure and on our tests of its compliance with certain laws, regulations and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be read in conjunction with this report in considering the results of our audit.

This report is intended solely for the use of [REDACTED], Ltd. and government agencies that use the cost principles of the Federal Acquisition Regulations and should not be used for any other purpose.

[REDACTED]

February 10, 2009

**Statement of Direct Labor, Fringe Benefits & General Overhead
For the Year Ended December 31, 2008**

	<i>Per General Ledger</i>	<i>Consultant Adjustments</i>	<i>Audit Adjustments</i>	<i>Adjusted Combined</i>	<i>FAR Section Reference For Unallowable Costs</i>
Total Direct Labor	\$5,815,232			\$5,815,232	
<i>Fringe Benefits</i>					
Payroll Taxes	805,295			805,295	
Paid Leave	855,045			855,045	
Workers Compensation	31,179			31,179	
Group Insurance	802,043	21,224		780,819	31.205-19; insurance
<i>Total Fringe Benefits</i>	<u>2,493,562</u>			<u>2,472,338</u>	
<i>General Overhead</i>					
Indirect Labor	8,598,448	5,812,924		2,785,524	31.205-6; compensation
Accounting & Legal	30,992		466	30,526	31.205-3; bad debts
Books & Subscriptions	8,684			8,684	
Business Development	793,606		206,696	586,910	31.205-1; public relations 31.205-14; entertainment 31.201-4; allocability
Computer Expenses	209,254			209,254	
Depreciation	505,122			505,122	
Donations	960	960		0	31.205-8; contributions
Dues & Licenses	84,362			84,362	
Education & Seminars	65,286			65,286	
Employee Morale	106,757	89,620		17,137	31.205-14; entertainment
Equipment Rental	9,798			9,798	
Insurance	271,178			271,178	
Interest	114,482	114,482		0	31.205-20; interest
Miscellaneous Expenses	2,188			2,188	
Outside Services	293,210		1,894	291,316	31.205-13; gifts
Printing & Reproduction	396,785			396,785	
Postage & Delivery	36,679			36,679	
Rent	1,877,874			1,877,874	
Repairs & Maintenance	189,239			189,239	
Supplies	300,910			300,910	
Taxes & Licenses	201,458			201,458	
Telephone	130,566			130,566	
Travel	252,479	63,619	5,810	183,050	31.205-14; entertainment 31.201-4; allocability
Utilities	417,890			417,890	
<i>Total Overhead</i>	<u>14,898,207</u>			<u>8,601,736</u>	
Total Fringe and Overhead	\$17,391,769			\$11,074,074	
Fringe Benefit Rate				42.51%	
General Overhead Rate				147.92%	
Total Overhead Rate				190.43%	
Cost of Facilities Capital				1.16%	

See independent auditor's report and notes to financial statement.

Notes to the Statement of Direct Labor, Fringe Benefits & General Overhead
For the year ended December 31, 2008

(1) The Company

(the Company) is an architectural design company providing services to both public and private companies throughout the United States. The Company was organized in 1980 and is headquartered in . Revenues are derived from billings for services and reimbursable expenses.

(2) Basis of Accounting

The Company's policy is to prepare and present the Statement of Direct Labor, Fringe Benefits & General Overhead on the basis of accounting practices prescribed by Subparts 9900 and Part 31 of the Federal Acquisition Regulations and certain other Federal regulations, which practices differ from generally accepted accounting principles. Accordingly, the above mentioned statement is not intended to present the financial position and results of operations of the Company in conformity with generally accepted accounting principles.

The preparation of this statement requires management to make estimates and assumptions that affect the reported amounts of expenses for the reported period. Actual results could differ from those estimates and assumptions.

The Company maintains a job order cost accounting system for recording and accumulating costs incurred under its contracts. Each project is assigned a job number so that costs may be segregated and accumulated in the Company's job order cost accounting system.

The Company's method of estimating costs for pricing purposes during the proposal process is consistent with the accumulation and reporting of costs under its job order cost accounting system.

(3) Allocation of Expenses

The Company consistently bills its clients for the following direct costs:
labor, sub consultants, postage & delivery, printing & reproduction, travel, models, photography, CADD, computer plots, telephone and fax

(4) Summary of Fringe Benefits & General Overhead Rate

The following represents the allowable combined overhead rates incurred by the Company for the year ended December 31, 2008:

Fringe Benefits & General Overhead / Direct Labor = Overhead Rate

\$11,074,074 / \$5,815,232 = 190.43%

(5) Cost of Facilities Capital

Based on the average interest rate of 4.94% applied to the average net book value of the Company's fixed assets of \$1,369,279 the cost of facilities capital rate is 1.16% of direct labor for the year ended December 31, 2008.

[REDACTED] LLC
Certified Public Accounting Firm

[REDACTED]
Cortez, FL 34215
[REDACTED]

[REDACTED]
CPA, CIA, CGFM

[REDACTED]
CIA, CGFM

Independent Auditor's Report on Internal Control and Compliance

Board of Directors
[REDACTED]

We have audited the Statement of Direct Labor, Fringe Benefits & General Overhead of [REDACTED], [REDACTED] (the Company) for the year ended December 31, 2008, and have issued our report thereon dated February 10, 2009.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States.

INTERNAL CONTROL OVER FINANCIAL REPORTING

In planning and performing our audit, we considered the Company's internal control over financial reporting as a basis for designing our auditing procedures for the purpose of expressing our opinion on the financial statement, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we do not express an opinion on the effectiveness of the Company's internal control over financial reporting.

A control deficiency exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned function, to prevent or detect misstatements on a timely basis. A significant deficiency is a control deficiency, or combination of control deficiencies, that adversely affects the entity's ability to initiate, authorize, record, process, or report financial data reliably in accordance with generally accepted accounting principles such that there is more than a remote likelihood that a misstatement of the entity's financial statements that is more than inconsequential will not be prevented or detected by the entity's internal control.

A material weakness is a significant deficiency, or combination of significant deficiencies, that results in more than a remote likelihood that a material misstatement of the financial statements will not be prevented or detected by the entity's internal control.

Our consideration of internal control over financial reporting was for the limited purpose described in the first paragraph of this section and would not necessarily identify all deficiencies in the internal control that might be significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses, as defined above.

COMPLIANCE AND OTHER MATTERS

As part of obtaining reasonable assurance about whether the Company's financial statement is free of material misstatements, we performed tests of its compliance with Subparts 9900 and Part 31 of the Federal Acquisition Regulations (FAR) noncompliance with which could have a direct and material effect on the determination of the financial statement amount. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Sources of Materials C-25

**VIRGINIA DEPARTMENT OF TRANSPORTATION
SOURCE OF MATERIALS**

PROJECT NUMBER 0618-002-6018, SR01 CONTRACT ID. NO. CM707BRD39591 SUBMITTED 8/3/08

PROJECT LOCATION 1.27 Mi. E. Rte 795 DISTRICT Culpeper COUNTY Albemarle

PRIME CONTRACTOR with ADDRESS	SUBCONTRACTOR with ADDRESS	NAME and TELEPHONE NO. of CONTACT PERSON
<u>Joe Smith, Inc.</u>	<u></u>	<u>Joe Smith</u>
<u>4321 Expansion Drive</u>	<u></u>	<u>804-555-9999</u>
<u>Richmond, Virginia 23219</u>	<u></u>	

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	MANUFACTURER and/or SUPPLIER	COMPLETE ADDRESS	VDOT USE INSP/TEST BY:
69105	412 406	Epoxy Coated Reinforced Steel	ABC Coating of North Carolina	501 East 8 th Street Salem, VA 24153	MFG. CERT. to Inc. EPOXY CERT.
62031	410	Railing Kansas Corral 27" w/out Curb	Allied Concrete Co.	1000 Harris Street	CULPEPER
69030	412	Concrete Class A3	434-296-7181	Charlottesville, VA 22903	
61677	405	Prestr. Conc. Box Beam 4' x 2'-3" x (+50' - 55')	Eastern Vault Company	P.O. Box 1134 460 Courthouse Road Princeton, WV 24740	SALEM
10123	308 309	Aggr. Base Matl. Ty. I No. 21A	Luck Stone Corporation	P.O. Box 687 Keswick, VA 22902	CULPEPER
	212	Preformed Fibre Expansion Joint Filler "Fibre Expansion Joint No. 320-F"	WR Meadows Corp.	100 Riverside Drive Cartersville, GA 30120	VISUAL
	226	1-1/2"x36"A36 Exterior Beam Anchor Pin 3/4"x18"Dowels(Domestic Supplied w/MTR's)	O'Neal Steel Company	P.O. Box 909 Madison Heights, VA 24572	Accept on manuf. Cert.
	243	EP5 & EP5LV Epoxies (Shipped VDOT Tested / Approved)	Kaufman Products	3811 Curtis Ave. Baltimore, MD 21226	DFI
	218	High Strength Non Shrink Grout "Kaufman Sure Grout" (Shipped with Indt Test Reports)	Kaufman Products	3811 Curtis Ave. Baltimore, MD 21226	MFG. CERT. W / LAB TEST RESULT
13310	505	Guardrail Terminal GR-6 NCHRP 350	Gregory Industries	4100 13 th St. SW Canton, OH 44708-0508	APP. LIST #12

LD-406
(6/10/08)

Page 1 of 6



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION LOCATION AND DESIGN CERTIFICATION OF PLAN CORRECTNESS

To: Mohammad Mirshahi, P.E., State Location and Design Engineer

From: Steve Bates, P.E. Acting District Location and Design Engineer
or District Preliminary Engineering Manager

Date: 10/02/08

Subject: Certification of Plan Correctness

Right of Way _____ Construction X

Project Description: Rte 684 – Reconstruct to 4 lanes

From: Rte 7 (Leesburg Pike)

To: Rte 6034 (International Drive)

Route No.: 684

Project No.: 0684-029-306, C501 UPC #: 5574

Federal No.: N/A (State Funded Project) City/County: Fairfax County

Electronic Submission

The complete plan assembly and project documentation have been placed in Falcon in both Micro-station (~~Archived for Right of Way or Pre-Ad stage~~) and TIFF Format under UPC# 5574

Exempt – County Managed project in Auto CADD

General Project Information

Functional Classification: Urban Minor Arterial Project Length: 2,900 ft

This project is scheduled for advertisement on October 30, 08

Note: Project will be Advertised by Fairfax County.

Is there a Railroad encroachment involved? No Sheet No's. _____

Number of Utilities involved. 7

Number of Utilities to be relocated None

Does this project include cross-sections? Yes No

Area Construction Engineer who will handle project: Mike Shaw

Residency: Fairfax

Public Involvement

A waiver of willingness to hold a Public Hearing was approved on N/A

A willingness was posted on N/A, expired on _____ and approved on _____

A (~~Location / Location & Design~~ / Design Public Hearing) was held on 12/13/1989
All comments resulting from the Public Hearing have been addressed.

The (~~Location, Location & Design or Design~~) approval was given on 5/25/1990

Quality Control

The Quality Control Review has been completed for the appropriate stage of plan development in accordance with Section 1E of the Road Design Manual. The project team has completed a field review and found no change in site conditions. A quality control review has been conducted in all functional areas of the plans and all comments resulting from such reviews have been properly addressed and resolved.

Design Exceptions/Waivers

Is this project designed in accordance with appropriate design criteria? Yes No

A Design Exception for Horizontal Curve approved on 6/25/04.

If not, were required design exceptions or waivers obtained? Yes No

For all design exceptions or waivers obtained, please provide a copy of the approved design exceptions or waiver letter.

All approved design exceptions are correctly shown on the title sheet? Yes No

County Title Sheet format

Funding (PE, R/W & CN)

Funding for this project includes (Type of Funds, i.e. - State, Federal, Locality) State funds.

This project is listed in the Final FY 09 SYIP and the Live FY 10 SYIP/SSYP
(<http://ISYP/SYP/>).

	Final FY 09 SYIP	Live FY 10 SYIP/SSYP	Current Estimate (PCES)
PE	\$950,000	\$950,000	\$1000,000
RW	\$3,650,000	\$3,650,000	\$4,500,000
CN	\$6,300,000	\$6,300,000	\$7,100,000
Total	\$10,900,000	\$10,900,000	\$12,600,000 *

* See attached confirmation of funds from Fairfax PE Office (also available in iPM Documents section)

Right of Way Plan Certification:

This is to certify that the plans for the above referenced project are complete, checked and are ready to be approved for right of way acquisition advertisement as noted below:

The Right of Way Quality Control Review (RW-301) was completed on 9/6/05

The Environmental Re-evaluation for R/W (EQ-201) was completed on N/A (State Funded)

This work is proposed for construction by Contract State Forces Locality X
Advertised by Fairfax County

The date this project was submitted to Programming Division in advance of R/W Submission for FHWA Approval was N/A – State Funded

After coordination with the Right of Way Division, please inform us in order that the plans may be completed for construction. (Completed)

***If certification is for Right of Way only, skip to Certification Signatures at bottom of page 6.**

Construction Plan Certification:

This is to certify that the plans for the above referenced project are complete, checked and are ready to be approved for advertisement as noted below:

Right of Way

Plans were made available to the Right of Way Division on November 2005
(Note: For Federally Funded projects, R/W revisions and estimates have been approved by FHWA.)

FHWA approval was given on N/A

All Right of Way Was cleared on October 31, 2005

TRANSPORTATION FOR THE 21ST CENTURY

Utilities

All utilities have been relocated or will be relocated by VDOT on 8/7/2007 – Fairfax County on 7/8/2008 All have been relocated except those that must be done in-plan as noted in Fairfax County's certification letter.

Quality Control/Constructability Comments and Resolution

A Constructability Review was completed on VDOT on 8/7/2007 – Fairfax County on 7/8/2008

A Quality Control Review was completed on 8/7/2007

All quality control and constructability issues have been reviewed and reconciled.

Pre-Advertisement Conference Date November 20, 2008

Purpose and Need Narrative

Reconstruct Spring Hill Road to 4 lanes from Leesburg Pike to International Drive
A Project Narrative has been attached as a separate Word document? Yes X No _____
Note: Project will be Advertised by Fairfax County

Environmental Re-evaluation

Environmental PS&E Re-evaluation (EQ-200) was initiated via Form LD-442 on June 2005

Environmental Certification Checklist (EQ-103) was initiated via Form LD-442 on June 2005

Survey Control

The District Survey Manager has verified that adequate control is in place for the Construction Operation. N/A

Estimates

The estimate for construction is \$7,100,000 . ~~The detailed construction cost~~

~~estimate has been developed in TRNS*PORT, checked for accuracy and uploaded into PCES.~~

Note: Detailed Construction Estimate provided by Fairfax County.

Cost Estimate in Six Year Improvement Plan-Construction Phase (SYIP-CN)

\$ 7,100,000

Project Cost Estimate on date of this submission broken down as follows:

Construction Bid Items	\$	<u>5,348,548</u>
Construction Engineering Cost	\$	<u>802,282</u>
Contingency Cost	\$	<u>802,282</u>
Other Contract Required. Cost	\$	<u>100,000</u>
State Forces Cost	\$	<u>N/A</u>
Railroad Cost	\$	<u>N/A</u>
 Total CN Phase	\$	<u>7,053,112</u>
	Say	\$ <u>7,100,000</u>
Any Deficit Balance (in authorized funding)	\$	<u>1,100,000 in betterment</u>

Cost Estimate in STIP - CN Phase
(Contact Programming Division if you have questions) \$ 4,400,000

The recommended fixed date of completion for this project is 6/28/2010 based on a 10/30/08 advertisement date and the standard 60-day period from receipt of bids to execution of the contract. (Advertise by Fairfax County)

All Special Provisions and Copy Notes for this project were submitted to the Scheduling & Contract Division Specifications Section on N/A (Advertise by Fairfax County)

1. Are copies of either of the following included? N/A – Advertise by Fairfax County
Soil Survey No CBR No Number of Copies N/A
(Three are needed)
2. Will Government Bench Marks have to be moved? No Is list furnished? _____
Sheet No's. _____
3. Construction Surveying to be accomplished by Contract X State Forces _____
4. Project scheduled for construction by Contract _____ State Forces _____ Locality X
Advertise by Fairfax County

TRANSPORTATION FOR THE 21ST CENTURY

FINAL COMMENT RESOLUTION REPORT

SPRING HILL ROAD

PROJECT NO. 0684-029-306, C501

UPC 5574

MANAGED BY FAIRFAX COUNTY



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION
1401 EAST BROAD STREET
RICHMOND, VIRGINIA 23219 2000

David S. Ekern, P.E.
COMMISSIONER

April 6, 2007

Mr. Claude Napier, Jr., P.E.
Division Bridge Engineer
FHWA – Virginia Division
400 North 8th Street, Room 750
Richmond, Virginia 23240

Dear Mr. Napier,

The Virginia Department of Transportation (VDOT) is requesting your approval and authorization for the expenditure of federal aid funds in support of State forces Bridge Preventive Maintenance for VDOT's Northern Virginia District (NOVA).

VDOT's position is that state forces can install bridge scour countermeasures and perform debris removal at lower cost and with a greater certainty of timely accomplishment than a contractor. The cost effectiveness of using state forces in lieu of a contractor will be subsequently demonstrated. We also believe that the likelihood of accomplishing preventive maintenance is greater with state forces because procurement of maintenance-oriented contracts with short term, a low volume of work, and a relatively low fee is not always assured in NOVA; the number of bidders for such work is usually small—zero bids are not uncommon—and bid prices often exceed the engineer's estimate.

SCOUR COUNTERMEASURES

To perform an evaluation of costs between state forces and a contractor for installation of scour countermeasures, and in the absence of a contract history for such work, the Northern Virginia District developed a "notional" contract estimate using its Trns.prt program. A comparison of the estimates indicate that a contract could more than double the state force cost and exceed it by more than \$280,000, which is an increase in cost to the state of 142%. Please see the following table and the enclosure for the Trns.prt estimate; note that the contract cost shown in the table is comprised of bid items plus a 10% contingency.

County	Route	Va. Structure No.	State Force (SF) Estimate	Contract Estimate	Δ = Contract - SF	% Savings, SF vs. Contract
29	495	2108	\$30,000	\$124,656.16	\$94,656.16	316%
76	637	6055	\$35,000	\$75,839.92	\$40,839.92	117%
76	627	6144	\$35,000	\$62,451.60	\$27,451.60	78%
29	495	2031	\$100,000	\$220,978.65	\$120,978.65	121%
Total			\$200,000.00	\$483,926.33	\$283,926.33	142%

VirginiaDOT.org
WE KEEP VIRGINIA MOVING

Mr. Claude Napier, Jr., P.E.
 March 14, 2007
 Page Two

DEBRIS REMOVAL

In assessing the cost differential between state forces and a contract for debris removal at bridges NOVA obtained actual contract and state force data from two other Districts that have performed similar work: Lynchburg and Culpeper. Contract and state force actual costs were adjusted to the current year and to the northern Virginia locale by using an 4% annual inflation rate and the percentage of the district average construction cost to the statewide average construction cost; the latter averages were obtained from PCES. Subsequent comparison of the average unit cost per cubic yard indicates that the contract cost for debris removal could be more than double the state force cost and an increase to the state by as much as 134%.

District	Resource				
	Contract		State Force		
	Lynchburg	Culpeper	Lynchburg	Lynchburg	NOVA (Proposed)
Year	2000	2003	2005	2005	2006
VA Structure No.	1137	Varies	1137	Varies	Varies
Contract No. (If Known)	BR-3D-00	UNK	2,700	NA	NA
Debris Removed (CY)	800	400	800	2,700	7,168
Total Cost	\$65,000.00	\$23,000.00	\$30,883.00	\$77,229.00	\$280,000.00
2007 Cost (4% inflation)	\$85,535.57	\$26,906.75	\$33,403.05	\$83,530.89	\$291,200.00
% Statewide Average Cost	90%	100%	90%	90%	105%
Equiv. Cost in NOVA @ 105% SW Avg.	\$99,791.49	\$28,252.08	\$38,970.23	\$97,452.70	\$291,200.00
Average NOVA Cost Per CY, 2007	\$124.74	\$70.63	\$48.71	\$36.09	\$40.63
Average Contract or SF Cost	\$97.68		\$41.81		
% Savings, SF vs. Contract	134%				

We believe that this short analysis demonstrates that the cost savings of performing preventive bridge maintenance with state forces in lieu of a contractor is in the best public interest. This work is planned for an early April 2007 start date. Your review and favorable consideration of this matter is appreciated. Should you require additional information, please contact Mr. Nick Roper, NOVA District Bridge Engineer, at (703) 383-2117, or Mrs. Allison Richter, NOVA Assistant District Maintenance Administrator, at (703) 383-2873.

Sincerely,



Robert A. Hanson, P.E.
 Director, Operations Planning Division

Enclosure

cc: Ms. Diane Mitchell
 Ms. Deborah Grant



U. S. Department
of Transportation

**Federal Highway
Administration**

Virginia Division
(804) 775-3320

400 N. 8th Street, Rm. 750
P. O. Box 10249
Richmond, VA 23240

April 18, 2007

Re: Bridge Preventive Maintenance in NOVA

Robert A. Hanson
Director, Operations Planning Division
Virginia Department of Transportation
101 North 14th Street Monroe Building - 19th Floor
Richmond, Virginia 23219

Dear Mr. Hanson:

We have reviewed your April 6, 2007 letter requesting our approval and authorization for the expenditure of federal aid funds in support of the State forces Bridge Preventive Maintenance activities for VDOT's Northern Virginia District (NOVA). We concur with your determination that it is in the public interest to install scour countermeasures and perform debris removal activities utilizing state forces as preventive maintenance activity.

Our approval is based the information that was provided indicating that the use of State forces will result in a substantial savings to the people of Virginia. Specifically, using state forces will result in a savings of 142% for scour countermeasure installation and 134% for debris removal activities. In addition, due the fact that the work is spread out to many locations and limited in scope, it is difficult to attract many qualified bidders.

We would like VDOT to track and report to us on an annual basis, the bridges that were subject to preventive maintenance activities, the scope of preventive maintenance activities performed and the actual cost of the work performed. In addition, our approval for using state forces for bridge preventive maintenance activities will expire December 31, 2011 with the understanding that if VDOT wishes to continue using state forces for preventive maintenance activities, you will have to resubmit a new request for a finding in the public interest.

Should you have any questions concerning this matter please contact Mr. Claude Napier at (804) 775-3353.

Sincerely yours,

Roberto Fonseca-Martinez
Division Administrator

A handwritten signature in black ink, appearing to read "Michael Canavan".

By: Michael Canavan
Field Operations Team Leader.