ARLINGTON COUNTY, VIRGINIA
AGREEMENT NO. 20-239-7-8
AMENDMENT NUMBER 2

This Amendment Number 2 is made on 5/18/2023 and amends Agreement Number 20-239-7-8 ("Main Agreement") dated April 6, 2021, between **Vanasse Hangen Brustlin, Inc.** ("Contractor") and the County Board of Arlington County, Virginia ("County").

The County and the Contractor agree to amend the Main Agreement as follows:

1. **Contract Term** is hereby changed from **May 26, 2023 to May 26, 2025**, adding additional time extension to complete the added optional preliminary engineering services.

2. **ADD: Preliminary Engineering Services:** Pursuant to EXHIBIT A, SCOPE OF WORK, Task 7. OPTIONAL SERVICES, Optional Task A – Preliminary Engineering, Bid Document Preparation, and Procurement Services, the County will exercise its right to add Preliminary Engineering Services as described in the Contractor's proposal dated March 2, 2023, attached hereto and made part hereof the Scope of Work, ending May 26, 2025. **Upon execution of Amendment No. 2 by the County and the Contractor, this amendment will constitute as the Notice to Proceed.**

3. **ADD: Attachment B Detailed Fee** as described in the Contractor's proposal dated March 2, 2023, attached hereto and made part hereof **Exhibit D – Contractor Price Schedule.** The total detailed fee for the preliminary engineering services, including expenses, on a unit price/time and materials basis is **$3,857,067.**

All other terms and conditions of the Main Agreement remain in effect.

WITNESS these signatures:

THE COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA

AUTHORIZED SIGNATURE: DocuSigned by: Dr. SHARON T. LEWIS 89B86B1AD301462...

NAME: DR. SHARON T. LEWIS

TITLE: PURCHASING AGENT

DATE: 5/18/2023

VANASSE HANGEN BRUSTLIN, INC.

AUTHORIZED SIGNATURE: DocuSigned by: 8BD9A8EE056847E...

NAME: Nancy Barker

TITLE: Sr. VP/Mid-Atlantic Regional Manager

DATE: 5/17/2023

March 2, 2023

Ref: CC2DCA 30% Design Fee

Kyle Kling
Arlington County, Department of Environmental Services
by email

Dear Mr. Kling,

VHB is pleased to submit our fee proposal for the 30% Design Scope of Work for the Crystal City to Ronald Reagan Washington National Airport in response to Arlington County's comments on our initial proposal. The revised fee, broken down by task, is summarized in **Table 1** below. The total fee, including expenses, on a unit price/time and materials basis, is $3,950,080, for a net amount of **$3,857,067** after accounting for the geotechnical investigation and visualization costs authorized under the current contract.

Table 1. Revised 30% Design Fee by Task

Task	**Fee**
1. Project Management	$505,318
2. Data Collection & Survey	$485,105
3. Preliminary Engineering	$1,891,614
4. Supplementary Engineering	$484,361
5. Public Engagement	$264,829
Sub-Total Labor	$3,631,228
Expenses[1]	$318,852
Total	**$3,950,080**
Existing Geotechnical Fee	($83,013)
Existing Visualizations Fee	($10,000)
Net Total (rounded)	**$3,857,067**

1. Expenses include costs for geotechnical borings, Maintenance of Traffic (MOT) for different field activities, property records research, subsurface utility work, and tree surveys. In-house reprographic and permit fees are also included. Please see Attachment A, Section 3, for more information
.

Attachment A to this letter provides a narrative of the revisions to the proposal made in response to Arlington County's comments on our November 23, 2022 submittal; a walkthrough of the different scope elements to clarify our approach and assumptions; a detailed explanation of expenses; and a breakdown of each firm's responsibilities and labor hours by task. Detailed cost breakdowns are provided as **Attachment B.** Itemized responses to the County's comments on our November 23, 2022 and February 10, 2023 submittals are provided as **Attachment C. Attachment D** is the Scope of Services to be completed under this proposal**.**

VHB and our partner firms greatly appreciate the opportunity to continue supporting Arlington County to advance this exciting and critical project.

Sincerely,

Laurent Cartayrade

Project Manager
lcartayrade@vhb.com

ATTACHMENT A

I. Summary of Changes

Consistent with Arlington County's comments on our November 23, 2002, proposal, VHB worked with our team to identify opportunities for a more efficient execution of the scope of work. In this regard, the greater clarity on the preferred alternative achieved since November was essential, as it allowed us to refine and refine our assumptions around design, as discussed in **Section 2** below. We also tightened our assumptions related to VHB's management and organization of Task 3 (Preliminary Engineering) activities and reviewed hours with the goal to eliminate any potential duplication. Thirdly, we streamlined the expectations around meeting attendance consistent with the management of the NEPA phase. Regarding expenses, we provided greater clarity and identified opportunities for savings based on internal coordination.

II. Scope Assumptions and Clarifications

General Assumptions

- This proposed fee assumes that design drawings are prepared to Arlington County standards, not NPS standards. Drawings meeting NPS standards may be required in the future.
- Unless otherwise specified in this document, the proposed fee covers the activities described in the RFP Scope of Work.

Task 1 Assumptions and Clarifications

- Time for technical lead engagement is integral to their technical work and provided in the relevant task. Project management time is focused on VHB in our role as prime consultant. All general management of the project is the responsibility of VHB and included in Task 1. Only VHB time is shown in Task 1.
- In order to streamline costs, VHB directed subconsultants to reduce their assumed participation in **Task 1.2** meetings to clarify that non-VHB team members would only be made available periodically. This approach is consistent with how the NEPA phase has been managed. As VHB will also be taking a substantive role in the design work, our Structures Lead will generally be able to represent the design team in meetings.

Task 2

- Survey, subsurface utility, and geotechnical boring work all will require NPS, MWAA, and WMATA access permits and Maintenance of Traffic (MOT) provisions. Work in the rail corridor is excluded.

- Please find in the **Section 3, Detailed Expense Breakdown,** a discussion of the nature of the expenses and refinements.
- **Task 2.1 Survey.** Please see below:
    - The boundary of the survey is the Preferred Alternative's Limits of Disturbance and any immediately adjacent areas needed to survey to capture the LOD.
    - VHB wishes to clarify the activities associated with **Bullet 9 of Task 2.1 of the Scope of Work**, regarding title research. Our team's coordination with Title Companies indicated that the unique ownership nature of the site (NPS and MWAA, specifically) would mean that traditional Title Report information could either a) not be achieved or b) not be achieved economically. Therefore, as described further in **Section 3**, we propose to conduct a Property Records Research to identify known property issues and to collect from property owners the information described in **Bullet 9**.
    - Costs associated with utility test pitting have been reduced by revising the number of assumed MOT days from 40 to 12, based on a more efficient test pitting approach developed with our partner firms. A total of 24 test pits are assumed. The test pits are assumed not to exceed 6' in depth. It is assumed that all utility test pits will be backfilled. Dump fees would apply if the test pits were not backfilled. Such fees are not included in this proposal.
    - MOT costs associated with the topographical survey have been reduced by consolidating all MOT activities under the lowest rate. The revised MOT costs assume that survey truck parking can be provided at no cost. Should paid parking costs be required for survey trucks, additional resources will be requested.
    - Should additional MOT days be required for field work, additional resources will be requested.
- **Task 2.2 Geotechnical Investigations.** This section clarifies the specific elements of the geotechnical investigations to be performed, namely:
    - Site reconnaissance and approximate boring stakeout.
    - Retaining a private utility locator to sweep a 25-ft radius around the boring locations on DCA property or along the service road.
    - Providing 20 days of Maintenance of Traffic (MOT) to perform the borings along or adjacent to the George Washington Memorial Parkway and MWAA roadways.
    - Providing for a vacuum truck to excavate the top 5 ft of borings performed on DCA property prior to the start of drilling to verify that the boring locations are clear of underground utilities.
    - Providing a full-time test boring inspector to observe and log the test borings.

- Drilling eight test borings to depth of 100 ft for bridge foundations; drilling two borings 75 feet deep for the retaining wall; drilling four 15 feet deep borings for stormwater management and performing four infiltration tests.
- Drilling the borings to the depths indicated or to prior auger or sampler refusal. Sampler refusal is defined as a Standard Penetration Test N-value of 50 blows for 1 inch or less penetration. In the event shallow obstructions are encountered below grade which cannot be penetrated with ordinary soil drilling equipment, the obstructed borings will be offset and redrilled. Boring depths can be adjusted once we have received more information on the site conditions and constraints.
- Collect 10 Shelby tubes and 5 bulk samples from the borings for laboratory testing.
- Borings will be backfilled with cuttings upon completion. Straw and grass seed will be placed on open areas.
- Samples collected during the exploration will be delivered to our and/or our subcontractor's soil laboratory for the following tests:
  - 60 Moisture Content, ASTM D2216
  - 30 Grain Size Distribution, ASTM D422 (and/or D1140)
  - 30 Liquid Limit, Plastic Limit, and Plasticity Index of Soils, ASTM D4318
  - 7 One-Dimensional Consolidation Test (Method A, 12 Load Increments)
  - 6 Consolidated-undrained Triaxial Shear Test, ASTM D4767
  - 5 Corrosion Potential Test Series (pH, Reduction-Oxidation Potential, Resistivity, Qualitative Test for Sulfides)
  - 5 Water-soluble Sulfate and Chloride Test for soil
  - 2 Moisture-Density (Proctor) Relationships, ASTM D1557
  - 2 California Bearing Ratio Test, ASTM D1883

Task 3

- A brief summary of the various firms' responsibilities is provided here. See Section 4 for a more detailed breakdown:
  - VHB is providing project management services and general oversight of all technical tasks. VHB is also leading the civil design, pedestrian and bicycle facilities planning, and sharing the structural engineering responsibilities with TY Lin. VHB is overseeing the Supplementary Engineering tasks. VHB is leading the public engagement process.

- SOM is the lead architect, providing architectural design services, and supporting supplementary engineering and public engagement efforts. SOM's fee includes direct costs for high-quality rendering.
- TY Lin is the co-lead structural engineer, providing focused leadership on the signature crossings of NPS and MWAA roadways and coordination on other elements. TY Lin is also supporting the Supplementary Engineering and public engagement tasks.
- RHI is the landscape architect, providing landscape architecture/urban design services, and supporting public engagement efforts. RHI's fee includes direct costs for vegetation/tree surveying.
- Schnabel is the lead geotechnical engineer. Schnabel's fee includes direct costs for geotechnical investigations/borings, including Maintenance of Traffic (MOT).
- CXC is helping to lead the Supplementary Engineering tasks, with a focus on cost and constructability, scheduling, risk management, and value engineering.
- AULtec is providing survey services. AULtec's fee also includes direct costs for title reports/property investigations and MOT for their work.
- Insight is providing subsurface utility exploration (SUE) services. Their fee includes direct costs associated with test pits and utility delineation.
- Clark is providing public engagement support.

- The fee for Task 3 is organized as follows:
  - **Tasks 3.1 to 3.3** include VHB's time for the management, organization, execution, quality activities, and execution of the three design deliverables. All three tasks have been streamlined through coordination with our partner firms. As described below, it also includes time associated with general civil design tasks to meet Civil Engineering Plan (CEP) requirements that do not fall squarely into other identified disciplines.
  - **Tasks 3.3.1 to 3.3.9** include the technical time for all disciplines and subconsultants related to the substantive design work.
  - Because there is not a single civil design scope item, time associated with civil design is divided among different scope items, namely 3.2, 3.3, and 3.3.4 to 3.3.8. Please see below for more on the civil items.
- **General Assumptions:** The revised price for Task 3 assumes that the preferred alternative, which achieved concurrence on February 8, does not change. It assumes that the decision on the appropriate MVT link can be made based on available background/engineering information, rather than requiring studies of multiple design permutations. It similarly assumes that the

ultimate alignment of the preferred alternative on MWAA property can be achieved through a high-level analysis of constraints, design parameters, and a limited number of sketched options rather than advanced engineering. These assumptions are integral to the revised fee.

- **Civil Design:** The proposed fee assumes that the civil drawings should be developed to meet the County's Civil Engineering Plans (CEP) Minimum Acceptable Criteria (MAC) Checklist. While the level of design of the CEP process is slightly higher than 30%, it is our team's experience that Arlington County reviewers are best able to provide substantive feedback when all of the items in the Checklist have been completed. Consistent with the checklist, the civil scope includes the following drawings:
    - MAC Cover Sheet, Index, and Narrative
    - Development Conditions
    - Overview Plan
    - Existing Conditions & Utility Plans
    - Existing Property and Easement Plan
    - Proposed Property and Easement Plan
    - Demolition Plan
    - Site Plan
    - Survey Traverse Plan
    - Geometric Plan
    - Civil Grading Plan
    - Wet Utility Plan
    - Dry Utility Plan
    - Site Details
    - ADA Details
    - Utility Details
    - Erosion and Sediment Control Phase 1 Plan
    - Erosion and Sediment Control Phase 2 Plan
    - E & S Notes, Narrative, and Details
    - Pre-Development Drainage Divide Maps
    - Post-Development Drainage Divide Maps
    - Pre-Development Land Cover Map
    - Post-Development Land Cover Map
    - Arlington County Soils Map
    - Stormwater Management Overview Plan, Calculations, and Details
    - WQIA Plan and Narrative
    - Pollution Prevention Plan
    - Fire Protection and Access Plan
    - Construction Phasing/Staging Plan
    - Maintenance of Traffic Plan

- **Task 3.3.2. Bicycle and Pedestrian Facilities.** This proposal excludes time associated with the planning of a potential bicycle connection to Crystal City in coordination with VRE.
- **Task 3.3.5. Landscape Architecture.** Please see **Section 3** below for discussion of tree survey assumptions and cost. To achieve the goals identified in **Task 3.3.5**, the following plans are anticipated:
    - Landscape Conservation Plan
    - Tree Protection Plan
    - Grading Plans
    - Planting Plans, Plant Lists, and Planting Details
    - Vegetation Demolition Plan
- **Task 3.3.9. Geotechnical Engineering.** As part of this scope, Schnabel will provide geotechnical engineering recommendations in a report format to support the preliminary design at 30% level. The report will provide preliminary design level foundation recommendations, including an evaluation of various shallow and deep foundation alternatives, allowable capacities or net allowable bearing pressures; retaining wall recommendations including static earth pressures, subdrainage, and backfill requirements; a summary of geotechnical issues facing the proposed construction; and comments regarding the potential geotechnical impact to existing structures.

Task 4

- In this task, efforts from design subconsultants have been streamlined. VHB and CXC, our specialty subconsultant for these tasks, will perform the bulk of the work with input from the design subconsultants. Efforts have been made to reduce hours on items, like the Permit and Approvals Strategy, where substantial progress is being made during the NEPA phase.

Task 5

- No change has been made to this task in this refined fee.

Task 6

- All items under Task 6, Bid Documentation Preparation and Procurement Services, are not priced at this time.

III. Detailed Expense Breakdown

This table details the expenses incorporated in the revised fee proposal to provide greater clarity to the County on the nature and purpose of these expenses.

Expense Category	Expense	Amount	Discussion	Responsible Firm
Consultant In-House Reproduction Costs	In-House Reproduction costs	**$6,900**	Includes costs for printing of plan sets and drawings.	VHB - $5,900 AULtec - $1,000
	Visualization costs	**$10,000**	Costs for specialized visualization work. Will be offset by existing $10,000 authorization in NEPA phase. No new cost.	SOM
Permits	Permit Fee Reserve	**$2,500**	Includes expected NPS permits and other permits that may be required	VHB
Survey and SUE	Maintenance of Traffic (MOT) for Topographical Survey	**$21,000**	Costs associated with assumed level of MOT for topographical survey. Assumes 10 days and that no costs are incurred for truck parking.	AULtec
	Property Records Research	**$10,000**	Detailed investigation of available property records information for Limit of Disturbance	VHB

Expense Category	Expense	Amount	Discussion	Responsible Firm
	Utility Delineation and Location	**$68,000**	Includes cost for utility delineation, 24 test pits for utility locating to 6 feet of depth, and associated MOT costs. 12 days of MOT assumed.	Insight
Geotechnical Exploration	Drilling Contractor	**$73,170**	Includes cost for drilling team to provide the borings according to the methodology described in Section 2 above.	Schnabel
	MOT for Soil Borings	**$61,906**	Costs associated with assumed level of MOT for soil borings. 20 days assumed.	Schnabel
	Utility Location for Soil Borings	**$12,536**	Test pits provided for soil boring locations to deconflict soil boring work before beginning	Schnabel
	Soil Laboratory Testing	**$24,843**	Laboratory analysis of geotechnical borings	Schnabel
	Geotechnical Exploration Expenses	**$1,397**	Miscellaneous administrative costs associated with boring including costs required for drilling inspector	Schnabel
Tree/Vegetation Survey	Tree Inventory and Assessment	**$6,600**	On-site tree inventory to assess the trees in the Limit of Disturbance. A maximum of 400 trees is included in this price.	RHI
	Tree Location Survey	**$15,600**	Survey location of trees to confirm their location and inform tree preservation plans. A maximum of 400 trees is included in this price.	RHI

Expense Category	Expense	Amount	Discussion	Responsible Firm
	Tree Protection Plan	**$4,200**	Development of tree preservation plan by professional arborists for 30% design informed by the assessment and survey.	RHI
	Arborist Expenses	**$200**	Reimbursable expenses associated with tree survey field work	RHI

IV. Firm Responsibilities and Effort Breakdown

Arlington County's comments requested more information of the delineation of responsibility between the different firms to ensure that efforts are not duplicated. Accordingly, VHB has prepared the following two tables that a) provide additional detail on the respective roles of the firms, and b) show how hours are allocated across firms in the individual tasks.

Task	Lead Firm	Contributing Firm(s)	Notes
Task 1. Project Management			
Task 1.1. General Project Management	VHB		VHB is providing PM services. Time for other firms under Tasks 1.1 and 1.2 are incorporated in their technical time.
Task 1.2. Attend Stakeholder Coordination Meetings	VHB		
Task 1.3. Participate in Weekly Technical Calls	VHB		
Task 1.4. Attend Kickoff Meeting	VHB		
Task 1.5. Prepare Meeting Notes and Action Items	VHB		

Task	Lead Firm	Contributing Firm(s)	Notes
Task 1.6. Prepare Project Management Plan (PMP)	VHB		
Task 2. Data Collection and Survey			
Task 2.1 Survey and Subsurface Utilities	AULtec	Insight, VHB	AULtec is providing survey, Insight is providing utility delineation and locating (including test pit program), VHB overall support/coordination. Direct costs assumed for test pits, property records research, utility markings, and Maintenance of Traffic (MOT).
Task 2.2 Geotechnical Investigations*	Schnabel	TYLin, VHB	Schnabel is providing geotechnical investigations. TY Lin and VHB are providing structural engineering support. Direct costs assumed for boring including surveying, localized test pitting, laboratory testing, inspector, miscellaneous costs, and MOT.
Task 3. Preliminary Engineering			
Task 3.1 Basis of Design Report (BOD)	VHB		VHB is managing the BOD effort. Technical time under 3.3 subtasks.
Task 3.2 15% Design Submission	VHB		VHB is managing the review and compilation of the 15% design. Technical time under 3.3 subtasks.

Task	Lead Firm	Contributing Firm(s)	Notes
Task 3.3 30% Design Submission	VHB		VHB is managing the review and compilation of the 30% design. Technical time under 3.3 subtasks.
Task 3.3.1 Architectural Design	SOM	TYLin, VHB	SOM is lead architect. TYLin and VHB provide design time for structural-architectural coordination. Direct costs included for high-quality renderings.
Task 3.3.2 Bicycle and Pedestrian Facilities	VHB	-	VHB is providing bicycle and pedestrian facilities planning and design.
Task 3.3.3 Structural Design	VHB and TY Lin		VHB and TY Lin are splitting the structural design, with VHB providing rail corridor, trail connection, and final airport approach elements. TY Lin is leading on signature crossings of NPS and DCA main roadways.
Task 3.3.4 Stormwater Management/Erosion and Sediment Control	VHB	-	VHB is providing SWM and E&SC design consistent with Arlington County CEP requirements. Full civil design requirements of CEP incorporated throughout.
Task 3.3.5 Landscape Architecture	RHI	VHB	RHI is lead landscape architect. VHB providing supporting services and coordination. Direct costs included for tree/vegetation survey.
Task 3.3.6 Maintenance of Traffic	VHB	-	VHB is providing MOT design.

Task	Lead Firm	Contributing Firm(s)	Notes
Task 3.3.7 Utility Design	VHB	-	VHB is providing utility design.
Task 3.3.8 Technical Specifications	VHB	All	VHB is leading specifications effort, with support from all technical disciplines.
Task 3.3.9 Geotechnical Engineering*	Schnabel	TY Lin, VHB	Schnabel is providing geotechnical engineering. TY Lin is providing structural engineering support. VHB is providing structural engineering support and coordination.
Task 4. Supplementary Engineering Reports, Analyses and Documentation			
Task 4.1 Risk Management (RM)	VHB	CXC	VHB is leading RM tasks with CXC support
Task 4.2 Value Engineering	VHB	CXC, SOM	VHB and CXC are leading VE tasks, with support from SOM
Task 4.3 Constructability Review	CXC	VHB	CXC is leading Constructability analysis with VHB support.

Task	Lead Firm	Contributing Firm(s)	Notes
Task 4.4 Quality Assurance and Quality Control Plan	VHB	-	VHB is performing QA/QC services
Task 4.5 Cost Estimating	CXC	VHB	CXC is leading cost estimating activities with VHB support
Task 4.6 Preliminary Engineering Data Collection Permitting	VHB	-	VHB is providing the permitting working for PE data collection activities
Task 4.7 Permitting & Approvals Strategy	VHB	CXC, TY Lin	VHB is leading the Permitting and Approvals Strategy, with input from CXC as it relates to range of feasible approaches, and support from TY Lin on structural feasibility considerations.
Task 4.8 Milestone Project Schedule (design and construction)	CXC	VHB	CXC is leading schedule development with VHB support
Task 4.9 Project Delivery Method	VHB	CXC	VHB and CXC are leading the project delivery method review.
Task 5. Public Engagement			

Task	Lead Firm	Contributing Firm(s)	Notes
Task 5. Public Engagement	VHB	Clark SOM, TY Lin, RHI	VHB is leading the public engagement effort. Clark is providing significant support in the form of material design and production, translations, ads, and publicity. Design team is providing ancillary support to public engagement.

Hours-by-Firm Breakdown

Task	VHB	TY Lin	SOM	RHI	Schnabel	AULtec	Insight	CXC	Clark
Task 1. Project Management									
Task 1.1. General Project Management	432								
Task 1.2. Attend Stakeholder Coordination Meetings	1,056								
Task 1.3. Participate in Weekly Technical Calls	610								
Task 1.4. Attend Kickoff Meeting	74								
Task 1.5. Prepare Meeting Notes and Action Items	192								

Task	VHB	TY Lin	SOM	RHI	Schnabel	AULtec	Insight	CXC	Clark
Task 1.6. Prepare Project Management Plan (PMP)	92								
Task 2. Data Collection and Survey									
Task 2.1 Survey and Subsurface Utilities	124					2,856	220		
Task 2.2 Geotechnical Investigations*	56	10			397	40			
Task 3. Preliminary Engineering									
Task 3.1 Basis of Design Report (BOD)	124								
Task 3.2 15% Design Submission	444								

Task	VHB	TY Lin	SOM	RHI	Schnabel	AULtec	Insight	CXC	Clark
Task 3.3 30% Design Submission	578								
Task 3.3.1 Architectural Design	112	80	2,225						
Task 3.3.2 Bicycle and Pedestrian Facilities	372								
Task 3.3.3 Structural Design	2,000	1,346							
Task 3.3.4 Stormwater Management/Erosion and Sediment Control	1,396	42							
Task 3.3.5 Landscape Architecture	100			1,225					
Task 3.3.6 Maintenance of Traffic	252								

Task	VHB	TY Lin	SOM	RHI	Schnabel	AULtec	Insight	CXC	Clark
Task 3.3.7 Utility Design	486								
Task 3.3.8 Technical Specifications	96	20		48	8			44	
Task 3.3.9 Geotechnical Engineering*	48	10			182				
Task 4. Supplementary Engineering Reports, Analyses and Documentation									
Task 4.1 Risk Management (RM)	184		24					40	
Task 4.2 Value Engineering	232		24					56	
Task 4.3 Constructability Review	92		8					208	

Task	VHB	TY Lin	SOM	RHI	Schnabel	AULtec	Insight	CXC	Clark
Task 4.4 Quality Assurance and Quality Control Plan	216		4						
Task 4.5 Cost Estimating	100		16					224	
Task 4.6 Preliminary Engineering Data Collection Permitting	86								
Task 4.7 Permitting & Approvals Strategy	80	16						24	
Task 4.8 Milestone Project Schedule (design and construction)	94							204	
Task 4.9 Project Delivery Method	76							24	

Task	VHB	TY Lin	SOM	RHI	Schnabel	AULtec	Insight	CXC	Clark
Task 5. Public Engagement									
Task 5. Public Engagement	1,016	48	40	128					547

Arlington County
Ref: CC2DCA 30% Design Fee
March 2, 2023

ATTACHMENT B

Detailed Fee

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM							
All Firms							
PROJECT NUMBER(S) AND DESCRIPTION							**DATE**
Contract No. 20-239-7-8 CC2DCA - PE Phase							

I. DIRECT COSTS				**FOR COUNTY USE ONLY**		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	1534	Note 1	$ 118,247.08			$ -
1a Project Manager/Designer Manager	187	126.50	$ 23,655.50			
2. Senior Engineer	2044	Note 1	$ 148,594.78			$ -
2a Principal in Charge	60	54.55	$ 3,272.82			
2b Lead Architect	192	126.50	$ 24,288.00			
3. Project Engineer	2662	Note 1	$ 155,660.60			$ -
3.a Designer (SOM)	585	52.80	$ 30,888.00			
3b Web Developer/Creative Director	43	58.73	$ 2,525.39			
3c Professional Surveyor	164	41.82	$ 6,858.32			
4. Junior Engineer	1077	Note 1	$ 45,892.95			$ -
4.a Junior Designer	1377	40.70	$ 56,043.90			
4b. Junior Office/Field Survey Technician	200	32.73	$ 6,545.44			
5. Senior Planner	972	Note 1	$ 63,284.04			$ -
5a. Senior Office/Field Survey Technician	192	34.55	$ 6,632.72			
6. Project Planner	824	55.34	$ 45,600.16			$ -
6a Designer (Clark)	86	46.58	$ 4,005.88			
6b 2-Person Field Crw/1-Person Robotic	1840	43.64	$ 80,293.18			
7. Junior Planner	1208	44.37	$ 53,598.96			$ -
7a 3-Person Field Survey Crew	160	61.82	$ 9,891.18			
8. QA/QC Manager	586	Note 1	$ 53,608.86			$ -
9. Office Support	96	36.17	$ 3,472.32			$ -
10. Technician	640	Note 1	$ 40,041.60			$ -
10a Translator	102	48.45	$ 4,941.90			
11. Urban/Civil Designer	2072	Note 1	$ 86,255.00			$ -
12. Landscape Architect	827	Note 1	$ 24,182.25			$ -
13. Engagement Lead	200	41.63	$ 8,326.00			$ -
14. Engagement Specialist	0	-	$ -			$ -
15. Sr Technical Specialist	1026	Note 1	$ 118,058.94			$ -
16 Sr. Environmental Scientist	0	-	$ -			$ -
17 Jr. Environmental Scientist	0	-	$ -			$ -
18 Sr. Transportation Engineer	120	80.86	$ 9,703.20			$ -
19 Sr. CADD Technician	0	-	$ -			$ -
20 CADD Technician	0	-	$ -			$ -
21 Senior Civil Engineer	132	102.64	$ 13,548.48			$ -
			$ -			$ -
TOTAL OF SECTION I			$ 1,247,917.45			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ 16,900.00			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage		Note 1	$ 1,737,226.45			$
2. General and Administrative Costs *(% Direct Labor)*		Note 1	$ 315,972.15			$
A. Profit - % of All above Direct and Indirect Costs		10.00%	$ 330,111.60			$
TOTAL OF SECTION IV			$ 2,383,310.20			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 3,648,127.65			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ 94,170.00			$
2. Soil Borings			$ 105,706.00			$
3. Chemical, Mechanical, etc., Surveys			$ 12,536.00			$
4. Preparation of Technical Manuals			$ 24,843.00			$
5. Making Technical Studies/Investigations			$ 64,497.00			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ 200.00			$
9. Credit from NEPA Phase			$ (93,013.00)			
TOTAL OF SECTION VI			$ 208,939.00			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 3,857,066.65			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

This sheet summarizes the total cost (all firms and all tasks included).
Note 1: Rates vary by firm. See firm-specific breakdowns for each firm's rates.

CC2DCA PE Phase
Fee Proposal
Workload Chart
Labor Hours-ALL

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban/Civil Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr. Technical Specialist	Sr. Environmental Scientist	Jr. Environmental Scientist	Sr. Transportation Engineer	Sr. CADD Technician	CADD Technician	Sr. Civil Engineer	Total Estimated Hours
Task 1: Project Management																							
1.1	Project Management	240	0	0	0	0	96	0	0	96	0	0	0	0	0	0	0	0	0	0	0	0	432
1.2	Attend Coordination Meetings	192	64	64	0	264	132	132	0	0	0	0	0	0	0	192	0	0	0	0	0	16	1056
1.3	Participate in Weekly Technical Calls	104	36	36	0	208	104	0	0	0	0	0	0	0	0	104	0	0	0	0	0	18	610
1.4	Attend Kickoff Meeting	6	6	4	0	12	12	12	12	0	0	0	0	0	0	6	0	0	0	0	0	4	74
1.5	Prepare Meeting Minutes	48	0	0	0	0	0	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	192
1.6	Prepare Project Management Plan (PMP)	8	0	0	0	0	0	60	0	0	0	0	0	0	0	24	0	0	0	0	0	0	92
	Task 1: Project Management	598	106	104	0	484	344	348	12	96	0	0	0	0	0	326	0	0	0	0	0	38	2,456
Task 2:Data Collection and Survey																							
2.1	Survey and Subsurface Utilities	312	92	196	200	192	1800	160	28	0	160	52	0	0	0	0	0	0	0	0	0	8	3200
2.2	Geotechnical Investigation	74	96	104	173	0	40	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8	503
	Task 2:Data Collection and Survey	386	188	300	373	192	1,840	160	28	0	160	60	0	0	0	0	0	0	0	0	0	16	3,703
Task 3. Preliminary Engineering																							
3.1	Basis of Design Report (BOD)	0	0	0	0	24	20	40	24	0	0	0	0	0	0	16	0	0	0	0	0	0	124
3.2	15% Design Submission	0	40	92	24	24	20	40	24	0	0	160	0	0	0	16	0	0	0	0	0	4	444
3.3	30% Design Submission	0	54	92	24	40	40	80	40	0	0	180	0	0	0	20	0	0	0	0	0	8	578
3.3.1	Architectural Design	159	212	537	1365	40	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	2417
3.3.2	Bicycle and Pedestrian Facilities	0	0	120	120	0	0	0	0	0	0	0	0	0	0	12	0	0	120	0	0	0	372
3.3.3	Structural Design	104	614	1160	656	0	0	0	172	0	480	0	0	0	0	160	0	0	0	0	0	0	3346
3.3.4	Stormwater Management	2	256	464	0	0	0	0	0	0	0	680	0	0	0	12	0	0	0	0	0	24	1438
3.3.5	Landscape Architecture	86	0	0	0	0	0	0	0	0	0	472	767	0	0	0	0	0	0	0	0	0	1325
3.3.6	Maintenance of Traffic	0	28	80	0	0	0	0	0	0	0	120	0	0	0	12	0	0	0	0	0	12	252
3.3.7	Utility Design	0	72	156	0	0	0	0	0	0	0	240	0	0	0	12	0	0	0	0	0	6	486
3.3.8	Technical Specifications	28	40	36	0	24	0	24	0	0	0	40	0	0	0	24	0	0	0	0	0	0	216
3.3.9	Geotechnical Engineering	26	12	74	80	24	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	240
	Task 3. Preliminary Engineering	405	1,328	2,811	2,269	176	80	184	260	0	480	1,892	767	0	0	412	0	0	120	0	0	54	11,238
Task 4: Supplementary Engineering																							
4.1	Risk Management	24	56	16	0	0	40	60	32	0	0	0	0	0	0	20	0	0	0	0	0	0	248
4.2	Value Engineering	24	88	20	0	8	40	60	40	0	0	0	0	0	0	30	0	0	0	0	0	2	312
4.3	Constructability Review	72	138	4	0	0	24	16	16	0	0	0	0	0	0	34	0	0	0	0	0	4	308
4.4	Quality Assurance	0	24	0	0	0	24	40	116	0	0	0	0	0	0	16	0	0	0	0	0	0	220
4.5	Cost Estimating	24	164	104	0	12	0	0	16	0	0	0	0	0	0	16	0	0	0	0	0	4	340
4.6	Preliminary Engineerring Data Collection Permitting	0	8	24	0	0	0	0	0	0	0	44	0	0	0	4	0	0	0	0	0	6	86
4.7	Permitting and Approvals Strategy	12	56	0	0	32	0	0	8	0	0	0	0	0	0	8	0	0	0	0	0	4	120
4.8	Milestone Project Schedule	24	60	0	0	8	24	32	6	0	0	0	0	0	0	144	0	0	0	0	0	0	298
4.9	Project Delivery Method	8	32	0	0	0	20	12	4	0	0	16	0	0	0	8	0	0	0	0	0	0	100
	Task 4: Supplementary Engineering	188	626	168	0	60	172	220	238	0	0	60	0	0	0	280	0	0	0	0	0	20	2,032
Task 5: Public Engagement																							
5.1	Public Engagement	144	48	71	12	252	314	456	48	0	102	60	60	200	0	8	0	0	0	0	0	4	1779
	Task 5: Public Engagement	144	48	71	12	252	314	456	48	0	102	60	60	200	0	8	0	0	0	0	0	4	1,779
Task 6: Bid Documentation Preperation & Procurement Services																							
6.1	Requests for Qualifications& Proposal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.2	Technical Specifications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.3	Pre-Proposal Conference	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.4	Bid Analyses and Selection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**1,721**	**2,296**	**3,454**	**2,654**	**1,164**	**2,750**	**1,368**	**586**	**96**	**742**	**2,072**	**827**	**200**	**0**	**1,026**	**0**	**0**	**120**	**0**	**0**	**132**	**21,208**
	Percent of Hour By Classification	8.1%	10.8%	16.3%	12.5%	5.5%	13.0%	6.5%	2.8%	0.5%	3.5%	9.8%	3.9%	0.9%	0.0%	4.8%	0.0%	0.0%	0.6%	0.0%	0.0%	0.6%	98.8%

CC2DCAPEPhase
FeeProposal
WorkloadChart
CostBreakdownbyTask-ALL

March 2, 2023

Phase	TaskDescription	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban/Civil Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr. Technical Specialist	Sr. Environmental Scientist	Jr. Environmental Scientist	Sr. Transportation Engineer	Sr. CADD Technician	CADD Technician	Sr. Civil Engineer	Total Estimated Hours
Project Management																							
	Project Management	$17,572.80	$0.00	$0.00	$0.00	$0.00	$5,312.64	$0.00	$0.00	$3,472.32	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$26,357.76
	Attend Coordination Meetings	$14,058.24	$3,941.12	$3,169.28	$0.00	$18,152.64	$7,304.88	$5,856.84	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$23,493.12	$0.00	$0.00	$0.00	$0.00	$0.00	$1,642.24	$77,618.36
	Participate in Weekly Technical Calls	$7,614.88	$2,216.88	$1,782.72	$0.00	$14,302.08	$5,755.36	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,725.44	$0.00	$0.00	$0.00	$0.00	$0.00	$1,847.52	$46,244.88
	Attend Kickoff Meeting	$439.32	$369.48	$198.08	$0.00	$825.12	$664.08	$532.44	$1,100.76	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$734.16	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$5,274.00
	Prepare Meeting Minutes	$3,514.56	$0.00	$0.00	$0.00	$0.00	$0.00	$6,389.28	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$9,903.84
	Prepare Project Management Plan (PMP)	$585.76	$0.00	$0.00	$0.00	$0.00	$0.00	$2,662.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$6,184.60
	Project Management	$43,785.56	$6,527.48	$5,150.08	$0.00	$33,279.84	$19,036.96	$15,440.76	$1,100.76	$3,472.32	$0.00	$0.00	$0.00	$0.00	$0.00	$39,889.36	$0.00	$0.00	$0.00	$0.00	$0.00	$3,900.32	$171,583.44
Data Collection and Survey																							
	Survey and Subsurface Utilities	$14,188.84	$5,243.38	$8,442.96	$6,545.44	$6,632.72	$78,547.68	$9,891.18	$2,324.28	$0.00	$20,000.00	$1,973.92	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$821.12	$154,611.51
	Geotechnical Investigation	$7,478.48	$6,982.24	$6,604.00	$6,689.91	$0.00	$1,745.50	$0.00	$0.00	$0.00	$0.00	$303.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$821.12	$30,624.93
	Data Collection and Survey	$21,667.32	$12,225.62	$15,046.96	$13,235.35	$6,632.72	$80,293.18	$9,891.18	$2,324.28	$0.00	$20,000.00	$2,277.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,642.24	$185,236.45
Preliminary Engineering																							
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$1,650.24	$1,106.80	$1,774.80	$2,201.52	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$8,691.12
	15% Design Submission	$0.00	$2,463.20	$4,555.84	$1,033.92	$1,650.24	$1,106.80	$1,774.80	$2,201.52	$0.00	$0.00	$6,073.60	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$23,228.24
	30% Design Submission	$0.00	$3,325.32	$4,555.84	$1,033.92	$2,750.40	$2,213.60	$3,549.60	$3,669.20	$0.00	$0.00	$6,832.80	$0.00	$0.00	$0.00	$2,447.20	$0.00	$0.00	$0.00	$0.00	$0.00	$821.12	$31,199.00
	Architectural Design	$20,113.50	$23,701.84	$28,353.60	$55,555.50	$2,750.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$10,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$141,411.48
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$5,942.40	$5,169.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,468.32	$0.00	$0.00	$9,703.20	$0.00	$0.00	$0.00	$22,283.52
	Structural Design	$10,400.00	$43,758.80	$76,808.00	$28,872.00	$0.00	$0.00	$0.00	$15,876.80	$0.00	$20,041.60	$0.00	$0.00	$0.00	$0.00	$19,577.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$215,334.80
	Stormwater Management	$200.00	$16,139.20	$23,588.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$25,812.80	$0.00	$0.00	$0.00	$1,468.32	$0.00	$0.00	$0.00	$0.00	$0.00	$2,463.36	$69,672.48
	Landscape Architecture	$7,740.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$24,190.00	$22,577.25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$54,507.25
	Maintenance of Traffic	$0.00	$1,724.24	$3,961.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,555.20	$0.00	$0.00	$0.00	$1,468.32	$0.00	$0.00	$0.00	$0.00	$0.00	$1,231.68	$12,941.04
	Utility Design	$0.00	$4,433.76	$7,725.12	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$9,110.40	$0.00	$0.00	$0.00	$1,468.32	$0.00	$0.00	$0.00	$0.00	$0.00	$615.84	$23,353.44
	Technical Specifications	$2,909.16	$3,569.44	$2,246.32	$0.00	$1,650.24	$0.00	$1,064.88	$0.00	$0.00	$0.00	$2,050.00	$0.00	$0.00	$0.00	$2,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$16,426.68
	Geotechnical Engineering	$2,626.16	$959.76	$4,791.00	$3,093.60	$1,650.24	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$16,057.40
	Preliminary Engineering	$43,988.82	$100,075.56	$162,528.52	$94,758.54	$12,101.76	$4,427.20	$8,164.08	$23,949.04	$0.00	$20,041.60	$78,624.80	$22,577.25	$0.00	$0.00	$48,623.52	$0.00	$0.00	$9,703.20	$0.00	$0.00	$5,542.56	$635,106.45
Supplementary Engineering																							
	Risk Management	$2,858.40	$4,278.16	$844.80	$0.00	$0.00	$2,213.60	$2,662.20	$2,935.36	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,447.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$18,239.72
	Value Engineering	$2,858.40	$6,801.84	$1,042.88	$0.00	$550.08	$2,213.60	$2,662.20	$3,669.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,670.80	$0.00	$0.00	$0.00	$0.00	$0.00	$205.28	$23,674.28
	Constructability Review	$8,353.20	$12,715.58	$211.20	$0.00	$0.00	$1,328.16	$709.92	$1,467.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,429.26	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$28,625.56
	Quality Assurance	$0.00	$1,737.60	$0.00	$0.00	$0.00	$1,328.16	$1,774.80	$10,640.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$17,439.00
	Cost Estimating	$2,769.60	$14,594.84	$5,968.08	$0.00	$825.12	$0.00	$0.00	$1,467.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$27,993.64
	Preliminary Engineering Data Collection Permitting	$0.00	$492.64	$1,188.48	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,670.24	$0.00	$0.00	$0.00	$489.44	$0.00	$0.00	$0.00	$0.00	$0.00	$615.84	$4,456.64
	Permitting and Approvals Strategy	$1,323.20	$4,188.96	$0.00	$0.00	$2,200.32	$0.00	$0.00	$733.84	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$889.44	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$9,746.32
	Milestone Project Schedule	$2,769.60	$5,769.00	$0.00	$0.00	$550.08	$1,328.16	$1,419.84	$550.38	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,746.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$25,133.70
	Project Delivery Method	$923.20	$2,523.68	$0.00	$0.00	$0.00	$1,106.80	$532.44	$366.92	$0.00	$0.00	$607.36	$0.00	$0.00	$0.00	$978.88	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$7,039.28
	Supplementary Engineering	$21,855.60	$53,102.30	$9,255.44	$0.00	$4,125.60	$9,518.48	$9,761.40	$21,831.74	$0.00	$0.00	$2,277.60	$0.00	$0.00	$0.00	$28,567.18	$0.00	$0.00	$0.00	$0.00	$0.00	$2,052.80	$162,348.14
Public Engagement																							
	Public Engagement	$10,605.28	$4,224.64	$3,951.31	$488.40	$13,776.84	$16,623.40	$20,232.72	$4,403.04	$0.00	$4,941.90	$3,075.00	$1,605.00	$8,326.00	$0.00	$978.88	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$93,642.97
	Public Engagement	$10,605.28	$4,224.64	$3,951.31	$488.40	$13,776.84	$16,623.40	$20,232.72	$4,403.04	$0.00	$4,941.90	$3,075.00	$1,605.00	$8,326.00	$0.00	$978.88	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$93,642.97
Bid Documentation Preperation & Procurement Services																							
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$141,902.58**	**$176,155.60**	**$195,932.31**	**$108,482.29**	**$69,916.76**	**$129,899.22**	**$63,490.14**	**$53,608.86**	**$3,472.32**	**$44,983.50**	**$86,255.00**	**$24,182.25**	**$8,326.00**	**$0.00**	**$118,058.94**	**$0.00**	**$0.00**	**$9,703.20**	**$0.00**	**$0.00**	**$13,548.48**	**$1,247,917.45**
	Percent of Price By Classification	11.4%	14.1%	15.7%	8.7%	5.6%	10.4%	5.1%	4.3%	0.3%	3.6%	6.9%	1.9%	0.7%	0.0%	9.5%	0.0%	0.0%	0.8%	0.0%	0.0%	1.1%	100.0%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM						
VHB	1775 Greensboro Station Place Suite 200 Tysons VA 22102					

PROJECT NUMBER(S) AND DESCRIPTION	DATE
CC2DCA PE Phase	

I. DIRECT COSTS				FOR COUNTY USE ONLY		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	646	$ 73.22	$ 47,300.12			$ -
2. Senior Engineer	1256	$ 61.58	$ 77,344.48			$ -
3. Project Engineer	1580	$ 49.52	$ 78,241.60			$ -
4. Junior Engineer	768	$ 43.08	$ 33,085.44			$ -
5. Senior Planner	720	$ 68.76	$ 49,507.20			$ -
6. Project Planner	824	$ 55.34	$ 45,600.16			$ -
7. Junior Planner	1208	$ 44.37	$ 53,598.96			$ -
8. QA/QC Manager	546	$ 91.73	$ 50,084.58			$ -
9. Office Support	96	$ 36.17	$ 3,472.32			$ -
10. Technician	320	$ 34.63	$ 11,081.60			$ -
11. Urban/Civil Designer	1500	$ 37.96	$ 56,940.00			$ -
12. Landscape Architect	100	$ 47.35	$ 4,735.00			$ -
13 Engagement Lead	200	$ 41.63	$ 8,326.00			$ -
14 Engagement Specialist	0		$ -			$ -
15 Sr Technical Specialist	804	$ 122.36	$ 98,377.44			$ -
16 Sr. Environmental Scientist	0	$ 66.59	$ -			$ -
17 Jr. Environmental Scientist	0	$ 33.43	$ -			$ -
18 Sr. Transportation Engineer	120	$ 80.86	$ 9,703.20			$ -
19 Sr. CADD Technician	0	$ 57.16	$ -			$ -
20 CADD Technician	0	$ 36.05	$ -			$ -
21 Senior Civil Engineer	132	$ 102.64	$ 13,548.48			$ -
		TOTAL OF SECTION I	$ 640,946.58			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ 5,900.00			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage		167.73%	$ 1,075,059.70			$
2. General and Administrative Costs *(% Direct Labor)*		0.00%	$ -			$
A. Profit - % of All above Direct and Indirect Costs		10.00%	$ 171,600.63			$
		TOTAL OF SECTION IV	$ 1,246,660.33			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 1,893,506.91			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ -			$
2. Soil Borings			$ -			$
3. Chemical, Mechanical, etc., Surveys			$ -			$
4. Preparation of Technical Manuals			$ -			$
5. Making Technical Studies/Investigations			$ 12,500.00			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ -			$
		TOTAL OF SECTION VI	$ 12,500.00			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 1,906,006.91			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart
Labor Hours-VHB

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban/Civil Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr. Technical Specialist	Sr. Environmental Scientist	Jr. Environmental Scientist	Sr. Transportation Engineer	Sr. CADD Technician	CADD Technician	Sr. Civil Engineer	Total Estimated Hours
Task 1: Project Management																							
1.1	Project Management	240					96			96													432
1.2	Attend Coordination Meetings	192	64	64		264	132	132								192						16	1056
1.3	Participate in Weekly Technical Calls	104	36	36		208	104									104						18	610
1.4	Attend Kickoff Meeting	6	6	4		12	12	12	12							6						4	74
1.5	Prepare Meeting Minutes	48						144															192
1.6	Prepare Project Management Plan (PMP)	8						60								24							92
	Task 1: Project Management	598	106	104	0	484	344	348	12	96	0	0	0	0	0	326	0	0	0	0	0	38	2,456
Task 2:Data Collection and Survey																							
2.1	Survey and Subsurface Utilities		32	32								52										8	124
2.2	Geotechnical Investigation		40									8										8	56
	Task 2:Data Collection and Survey	0	72	32	0	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	16	180
Task 3. Preliminary Engineering																							
3.1	Basis of Design Report (BOD)					24	20	40	24							16							124
3.2	15% Design Submission		40	92	24	24	20	40	24			160				16						4	444
3.3	30% Design Submission		54	92	24	40	40	80	40			180				20						8	578
3.3.1	Architectural Design		48			40										24							112
3.3.2	Bicycle and Pedestrian Facilities			120	120											12			120				372
3.3.3	Structural Design		360	400	600				160		320					160							2000
3.3.4	Stormwater Management		240	440								680				12						24	1396
3.3.5	Landscape Architecture						0	0					100			0							100
3.3.6	Maintenance of Traffic		28	80								120				12						12	252
3.3.7	Utility Design		72	156								240				12						6	486
3.3.8	Technical Specifications		8	16		24		24								24							96
3.3.9	Geotechnical Engineering					24										24							48
	Task 3. Preliminary Engineering	0	850	1,396	768	176	80	184	248	0	320	1,380	100	0	0	332	0	0	120	0	0	54	6,008
Task 4: Supplementary Engineering																							
4.1	Risk Management		32				40	60	32							20							184
4.2	Value Engineering		48	4		8	40	60	40							30						2	232
4.3	Constructability Review		16				24	16	16							16						4	92
4.4	Quality Assurance		20				24	40	116							16							216
4.5	Cost Estimating		48	4		12			16							16						4	100
4.6	Preliminary Engineering Data Collection Permitting		8	24								44				4						6	86
4.7	Permitting and Approvals Strategy		32			32			8							4						4	80
4.8	Milestone Project Schedule					8	24	32	6							24							94
4.9	Project Delivery Method		16				20	12	4			16				8							76
	Task 4: Supplementary Engineering	0	220	32	0	60	172	220	238	0	0	60	0	0	0	138	0	0	0	0	0	20	1,160
Task 5: Public Engagement																							
5.1	Public Engagement	48	8	16			228	456	48					200		8						4	1016
	Task 5: Public Engagement	48	8	16	0	0	228	456	48	0	0	0	0	200	0	8	0	0	0	0	0	4	1,016
Task 6: Bid Documentation Preperation & Procurement Services																							
6.1	Requests for Qualifications& Proposal																						0
6.2	Technical Specifications																						0
6.3	Pre-Proposal Conference																						0
6.4	Bid Analyses and Selection																						0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**646**	**1,256**	**1,580**	**768**	**720**	**824**	**1,208**	**546**	**96**	**320**	**1,500**	**100**	**200**	**0**	**804**	**0**	**0**	**120**	**0**	**0**	**132**	**10,820**
	Percent of Hour By Classification	6.0%	11.6%	14.6%	7.1%	6.7%	7.6%	11.2%	5.0%	0.9%	3.0%	13.9%	0.9%	1.8%	0.0%	7.4%	0.0%	0.0%	1.1%	0.0%	0.0%	1.2%	97.7%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-VHB

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban/Civil Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Sr. Environmental Scientist	Jr. Environmental Scientist	Sr. Transportation Engineer	Sr. CADD Technician	CADD Technician	Senior Civil Engineer	Total Estimated Hours
Project Management																							
	Project Management	$17,572.80	$0.00	$0.00	$0.00	$0.00	$5,312.64	$0.00	$0.00	$3,472.32	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$26,357.76
	Attend Coordination Meetings	$14,058.24	$3,941.12	$3,169.28	$0.00	$18,152.64	$7,304.88	$5,856.84	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$23,493.12	$0.00	$0.00	$0.00	$0.00	$0.00	$1,642.24	$77,618.36
	Participate in Weekly Technical Calls	$7,614.88	$2,216.88	$1,782.72	$0.00	$14,302.08	$5,755.36	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,725.44	$0.00	$0.00	$0.00	$0.00	$0.00	$1,847.52	$46,244.88
	Attend Kickoff Meeting	$439.32	$369.48	$198.08	$0.00	$825.12	$664.08	$532.44	$1,100.76	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$734.16	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$5,274.00
	Prepare Meeting Minutes	$3,514.56	$0.00	$0.00	$0.00	$0.00	$0.00	$6,389.28	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$9,903.84
	Prepare Project Management Plan (PMP)	$585.76	$0.00	$0.00	$0.00	$0.00	$0.00	$2,662.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$6,184.60
	Project Management	$43,785.56	$6,527.48	$5,150.08	$0.00	$33,279.84	$19,036.96	$15,440.76	$1,100.76	$3,472.32	$0.00	$0.00	$0.00	$0.00	$0.00	$39,889.36	$0.00	$0.00	$0.00	$0.00	$0.00	$3,900.32	$171,583.44
Data Collection and Survey																							
	Survey and Subsurface Utilities	$0.00	$1,970.56	$1,584.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,973.92	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$821.12	$6,350.24
	Geotechnical Investigation	$0.00	$2,463.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$303.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$821.12	$3,588.00
	Data Collection and Survey	$0.00	$4,433.76	$1,584.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,277.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,642.24	$9,938.24
Preliminary Engineering																							
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$1,650.24	$1,106.80	$1,774.80	$2,201.52	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$8,691.12
	15% Design Submission	$0.00	$2,463.20	$4,555.84	$1,033.92	$1,650.24	$1,106.80	$1,774.80	$2,201.52	$0.00	$0.00	$6,073.60	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$23,228.24
	30% Design Submission	$0.00	$3,325.32	$4,555.84	$1,033.92	$2,750.40	$2,213.60	$3,549.60	$3,669.20	$0.00	$0.00	$6,832.80	$0.00	$0.00	$0.00	$2,447.20	$0.00	$0.00	$0.00	$0.00	$0.00	$821.12	$31,199.00
	Architectural Design	$0.00	$2,955.84	$0.00	$0.00	$2,750.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$8,642.88
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$5,942.40	$5,169.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,468.32	$0.00	$0.00	$9,703.20	$0.00	$0.00	$0.00	$22,283.52
	Structural Design	$0.00	$22,168.80	$19,808.00	$25,848.00	$0.00	$0.00	$0.00	$14,676.80	$0.00	$11,081.60	$0.00	$0.00	$0.00	$0.00	$19,577.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$113,160.80
	Stormwater Management	$0.00	$14,779.20	$21,788.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$25,812.80	$0.00	$0.00	$0.00	$1,468.32	$0.00	$0.00	$0.00	$0.00	$0.00	$2,463.36	$66,312.48
	Landscape Architecture	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,735.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,735.00
	Maintenance of Traffic	$0.00	$1,724.24	$3,961.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,555.20	$0.00	$0.00	$0.00	$1,468.32	$0.00	$0.00	$0.00	$0.00	$0.00	$1,231.68	$12,941.04
	Utility Design	$0.00	$4,433.76	$7,725.12	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$9,110.40	$0.00	$0.00	$0.00	$1,468.32	$0.00	$0.00	$0.00	$0.00	$0.00	$615.84	$23,353.44
	Technical Specifications	$0.00	$492.64	$792.32	$0.00	$1,650.24	$0.00	$1,064.88	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$6,936.72
	Geotechnical Engineering	$0.00	$0.00	$0.00	$0.00	$1,650.24	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,586.88
	Preliminary Engineering	$0.00	$52,343.00	$69,129.92	$33,085.44	$12,101.76	$4,427.20	$8,164.08	$22,749.04	$0.00	$11,081.60	$52,384.80	$4,735.00	$0.00	$0.00	$40,623.52	$0.00	$0.00	$9,703.20	$0.00	$0.00	$5,542.56	$326,071.12
Supplementary Engineering																							
	Risk Management	$0.00	$1,970.56	$0.00	$0.00	$0.00	$2,213.60	$2,662.20	$2,935.36	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,447.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,228.92
	Value Engineering	$0.00	$2,955.84	$198.08	$0.00	$550.08	$2,213.60	$2,662.20	$3,669.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,670.80	$0.00	$0.00	$0.00	$0.00	$0.00	$205.28	$16,125.08
	Constructability Review	$0.00	$985.28	$0.00	$0.00	$0.00	$1,328.16	$709.92	$1,467.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$6,859.36
	Quality Assurance	$0.00	$1,231.60	$0.00	$0.00	$0.00	$1,328.16	$1,774.80	$10,640.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$16,933.00
	Cost Estimating	$0.00	$2,955.84	$198.08	$0.00	$825.12	$0.00	$0.00	$1,467.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,957.76	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$7,815.04
	Preliminary Engineerring Data Collection Permitting	$0.00	$492.64	$1,188.48	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,670.24	$0.00	$0.00	$0.00	$489.44	$0.00	$0.00	$0.00	$0.00	$0.00	$615.84	$4,456.64
	Permitting and Approvals Strategy	$0.00	$1,970.56	$0.00	$0.00	$2,200.32	$0.00	$0.00	$733.84	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$489.44	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$5,804.72
	Milestone Project Schedule	$0.00	$0.00	$0.00	$0.00	$550.08	$1,328.16	$1,419.84	$550.38	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,936.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$6,785.10
	Project Delivery Method	$0.00	$985.28	$0.00	$0.00	$0.00	$1,106.80	$532.44	$366.92	$0.00	$0.00	$607.36	$0.00	$0.00	$0.00	$978.88	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,577.68
	Supplementary Engineering	$0.00	$13,547.60	$1,584.64	$0.00	$4,125.60	$9,518.48	$9,761.40	$21,831.74	$0.00	$0.00	$2,277.60	$0.00	$0.00	$0.00	$16,885.68	$0.00	$0.00	$0.00	$0.00	$0.00	$2,052.80	$81,585.54
Public Engagement																							
	Public Engagement	$3,514.56	$492.64	$792.32	$0.00	$0.00	$12,617.52	$20,232.72	$4,403.04	$0.00	$0.00	$0.00	$0.00	$8,326.00	$0.00	$978.88	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$51,768.24
	Public Engagement	$3,514.56	$492.64	$792.32	$0.00	$0.00	$12,617.52	$20,232.72	$4,403.04	$0.00	$0.00	$0.00	$0.00	$8,326.00	$0.00	$978.88	$0.00	$0.00	$0.00	$0.00	$0.00	$410.56	$51,768.24
Bid Documentation Preperation & Procurement Services																							
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$47,300.12**	**$77,344.48**	**$78,241.60**	**$33,085.44**	**$49,507.20**	**$45,600.16**	**$53,598.96**	**$50,084.58**	**$3,472.32**	**$11,081.60**	**$56,940.00**	**$4,735.00**	**$8,326.00**	**$0.00**	**$98,377.44**	**$0.00**	**$0.00**	**$9,703.20**	**$0.00**	**$0.00**	**$13,548.48**	**$640,946.58**
	Percent of Price By Classification	7.4%	12.1%	12.2%	5.2%	7.7%	7.1%	8.4%	7.8%	0.5%	1.7%	8.9%	0.7%	1.3%	0.0%	15.3%	0.0%	0.0%	1.5%	0.0%	0.0%	2.1%	100.0%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM						
TYLin	5285 Shawnee Road Suite 210 Alexandria VA 22312					

PROJECT NUMBER(S) AND DESCRIPTION	DATE
CC2DCA PE Phase	

I. DIRECT COSTS				FOR COUNTY USE ONLY		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	134	$ 100.00	$ 13,400.00			$ -
2. Senior Engineer	318	$ 85.00	$ 27,030.00			$ -
3. Project Engineer	808	$ 75.00	$ 60,600.00			$ -
4. Junior Engineer	56	$ 54.00	$ 3,024.00			$ -
5. Senior Planner	0	$ 85.00	$ -			$ -
6. Project Planner	0	$ 73.00	$ -			$ -
7. Junior Planner	0	$ 46.00	$ -			$ -
8. QA/QC Manager	12	$ 100.00	$ 1,200.00			$ -
9. Office Support	0	$ 23.00	$ -			$ -
10. Technician	160	$ 56.00	$ 8,960.00			$ -
11. Urban Designer	0	$ 58.00	$ -			$ -
12. Landscape Architect	0	$ 58.00	$ -			$ -
13. Engagement Lead	0	$ 70.00	$ -			$ -
14. Engagement Specialist	0	$ 70.00	$ -			$ -
15. Sr Technical Specialist	84	$ 100.00	$ 8,400.00			$ -
		TOTAL OF SECTION I	$ 122,614.00			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ -			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage		103.89%	$ 127,383.68			$
2. General and Administrative Costs *(% Direct Labor)*		53.95%	$ 66,150.25			$
A. Profit - % of All above Direct and Indirect Costs		10.00%	$ 31,614.79			$
		TOTAL OF SECTION IV	$ 225,148.73			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 347,762.73			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ -			$
2. Soil Borings			$ -			$
3. Chemical, Mechanical, etc., Surveys			$ -			$
4. Preparation of Technical Manuals			$ -			$
5. Making Technical Studies/Investigations			$ -			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ -			$
		TOTAL OF SECTION VI	$ -			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 347,762.73			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart
Labor Hours-TYLin

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Task 1: Project Management																	
1.1	Project Management																0
1.2	Attend Coordination Meetings																0
1.3	Participate in Weekly Technical Calls																0
1.4	Attend Kickoff Meeting																0
1.5	Prepare Meeting Minutes																0
1.6	Prepare Project Management Plan (PMP)																0
Task 1: Project Management		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 2:Data Collection and Survey																	
2.1	Survey and Subsurface Utilities																0
2.2	Geotechnical Investigation	2	8														10
Task 2:Data Collection and Survey		2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Task 3. Preliminary Engineering																	
3.1	Basis of Design Report (BOD)																0
3.2	15% Design Submission																0
3.3	30% Design Submission																0
3.3.1	Architectural Design															80	80
3.3.2	Bicycle and Pedestrian Facilities																0
3.3.3	Structural Design	104	254	760	56				12		160						1346
3.3.4	Stormwater Management	2	16	24													42
3.3.5	Landscape Architecture																0
3.3.6	Maintenance of Traffic																0
3.3.7	Utility Design																0
3.3.8	Technical Specifications	4		16													20
3.3.9	Geotechnical Engineering	2		8													10
Task 3. Preliminary Engineering		112	270	808	56	0	0	0	12	0	160	0	0	0	0	80	1,498
Task 4: Supplementary Engineering																	
4.1	Risk Management																0
4.2	Value Engineering																0
4.3	Constructability Review																0
4.4	Quality Assurance																0
4.5	Cost Estimating																0
4.6	Preliminary Engineerring Data Collection Permitting																0
4.7	Permitting and Approvals Strategy	4	8													4	16
4.8	Milestone Project Schedule																0
4.9	Project Delivery Method																0
Task 4: Supplementary Engineering		4	8	0	0	0	0	0	0	0	0	0	0	0	0	4	16
Task 5: Public Engagement																	
5.1	Public Engagement	16	32														48
Task 5: Public Engagement		16	32	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Task 6: Bid Documentation Preperation & Procurement Services																	
6.1	Requests for Qualifications& Proposal																0
6.2	Technical Specifications																0
6.3	Pre-Proposal Conference																0
6.4	Bid Analyses and Selection																0
Task 6: Bid Documentation Preperation & Procurement Services		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Offeror Team - Total Hours		**134**	**318**	**808**	**56**	**0**	**0**	**0**	**12**	**0**	**160**	**0**	**0**	**0**	**0**	**84**	**1,572**
Percent of Hour By Classification		8.5%	20.2%	51.4%	3.6%	0.0%	0.0%	0.0%	0.8%	0.0%	10.2%	0.0%	0.0%	0.0%	0.0%	5.3%	100.0%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-TYLin

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Project Management																	
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Coordination Meetings	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Participate in Weekly Technical Calls	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Kickoff Meeting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Meeting Minutes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Project Management Plan (PMP)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Data Collection and Survey																	
	Survey and Subsurface Utilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Investigation	$200.00	$680.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$880.00
	Data Collection and Survey	$200.00	$680.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$880.00
Preliminary Engineering																	
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	15% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	30% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Architectural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$8,000.00	$8,000.00
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Structural Design	$10,400.00	$21,590.00	$57,000.00	$3,024.00	$0.00	$0.00	$0.00	$1,200.00	$0.00	$8,960.00	$0.00	$0.00	$0.00	$0.00	$0.00	$102,174.00
	Stormwater Management	$200.00	$1,360.00	$1,800.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,360.00
	Landscape Architecture	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Maintenance of Traffic	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Utility Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$400.00	$0.00	$1,200.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,600.00
	Geotechnical Engineering	$200.00	$0.00	$600.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$800.00
	Preliminary Engineering	$11,200.00	$22,950.00	$60,600.00	$3,024.00	$0.00	$0.00	$0.00	$1,200.00	$0.00	$8,960.00	$0.00	$0.00	$0.00	$0.00	$8,000.00	$115,934.00
Supplementary Engineering																	
	Risk Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Value Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Constructability Review	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Quality Assurance	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Cost Estimating	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineerring Data Collection Permitting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Permitting and Approvals Strategy	$400.00	$680.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$400.00	$1,480.00
	Milestone Project Schedule	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Delivery Method	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Supplementary Engineering	$400.00	$680.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$400.00	$1,480.00
Public Engagement																	
	Public Engagement	$1,600.00	$2,720.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,320.00
	Public Engagement	$1,600.00	$2,720.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,320.00
Bid Documentation Preperation & Procurement Services																	
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$13,400.00**	**$27,030.00**	**$60,600.00**	**$3,024.00**	**$0.00**	**$0.00**	**$0.00**	**$1,200.00**	**$0.00**	**$8,960.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$8,400.00**	**$122,614.00**
	Percent of Price By Classification	10.9%	22.0%	49.4%	2.5%	0.0%	0.0%	0.0%	1.0%	0.0%	7.3%	0.0%	0.0%	0.0%	0.0%	6.9%	84.9%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM						
SOM	2001 K Street NW, Suite 200 Washington DC 20006					

PROJECT NUMBER(S) AND DESCRIPTION	DATE
CC2DCA PE Phase	

I. DIRECT COSTS				FOR COUNTY USE ONLY		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager (Design Manager)	187	$ 126.50	$ 23,655.50			$ -
2. Senior Engineer (Lead Architect)	192	$ 126.50	$ 24,288.00			$ -
3. Project Engineer (Designer)	585	$ 52.80	$ 30,888.00			$ -
4. Junior Engineer (Jr Designer)	1377	$ 40.70	$ 56,043.90			$ -
5. Senior Planner	0		$ -			$ -
6. Project Planner	0		$ -			$ -
7. Junior Planner	0		$ -			$ -
8. QA/QC Manager	0		$ -			$ -
9. Office Support	0		$ -			$ -
10. Technician	0		$ -			$ -
11. Urban Designer	0		$ -			$ -
12. Landscape Architect	0		$ -			$ -
13. Engagement Lead	0		$ -			$ -
14. Engagement Specialist	0		$ -			$ -
15. Sr Technical Specialist	0		$ -			$ -
		TOTAL OF SECTION I	$ 134,875.40			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ 10,000.00			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage		59.76%	$ 80,601.54			$
2. General and Administrative Costs *(% Direct Labor)*		136.82%	$ 184,536.52			$
A. Profit - % of All above Direct and Indirect Costs		10.00%	$ 40,001.35			$
		TOTAL OF SECTION IV	$ 305,139.41			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 450,014.81			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ -			$
2. Soil Borings			$ -			$
3. Chemical, Mechanical, etc., Surveys			$ -			$
4. Preparation of Technical Manuals			$ -			$
5. Making Technical Studies/Investigations			$ -			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ -			$
		TOTAL OF SECTION VI	$ -			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 450,014.81			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart
Labor Hours-SOM

March 2, 2023

Phase	Task Description	Project Manager (Design Manager)	Senior Engineer (Lead Architect)	Project Engineer (Designer)	Junior Engineer (Jr Designer)	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Task 1: Project Management																	
1.1	Project Management																0
1.2	Attend Coordination Meetings																0
1.3	Participate in Weekly Technical Calls																0
1.4	Attend Kickoff Meeting																0
1.5	Prepare Meeting Minutes																0
1.6	Prepare Project Management Plan (PMP)																0
	Task 1: Project Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 2:Data Collection and Survey																	
2.1	Survey and Subsurface Utilities																0
2.2	Geotechnical Investigation																0
	Task 2:Data Collection and Survey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 3. Preliminary Engineering																	
3.1	Basis of Design Report (BOD)																0
3.2	15% Design Submission																0
3.3	30% Design Submission																0
3.3.1	Architectural Design	159	164	537	1365												2225
3.3.2	Bicycle and Pedestrian Facilities																0
3.3.3	Structural Design																0
3.3.4	Stormwater Management																0
3.3.5	Landscape Architecture																0
3.3.6	Maintenance of Traffic																0
3.3.7	Utility Design																0
3.3.8	Technical Specifications																0
3.3.9	Geotechnical Engineering																0
	Task 3. Preliminary Engineering	159	164	537	1,365	0	0	0	0	0	0	0	0	0	0	0	2,225
Task 4: Supplementary Engineering																	
4.1	Risk Management	8		16													24
4.2	Value Engineering	8		16													24
4.3	Constructability Review	4		4													8
4.4	Quality Assurance		4														4
4.5	Cost Estimating		16														16
4.6	Preliminary Engineerring Data Collection Permitting																0
4.7	Permitting and Approvals Strategy																0
4.8	Milestone Project Schedule																0
4.9	Project Delivery Method																0
	Task 4: Supplementary Engineering	20	20	36	0	0	0	0	0	0	0	0	0	0	0	0	76
Task 5: Public Engagement																	
5.1	Public Engagement	8	8	12	12												40
	Task 5: Public Engagement	8	8	12	12	0	0	0	0	0	0	0	0	0	0	0	40
Task 6: Bid Documentation Preperation & Procurement Services																	
6.1	Requests for Qualifications& Proposal																0
6.2	Technical Specifications																0
6.3	Pre-Proposal Conference																0
6.4	Bid Analyses and Selection																0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**187**	**192**	**585**	**1,377**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,341**
	Percent of Hour By Classification	8.0%	8.2%	25.0%	58.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-SOM

March 2, 2023

Phase	Task Description	Project Manager (Design Manager)	Senior Engineer (Lead Architect)	Project Engineer (Designer)	Junior Engineer (Jr Designer)	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Project Management																	
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Coordination Meetings	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Participate in Weekly Technical Calls	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Kickoff Meeting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Meeting Minutes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Project Management Plan (PMP)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Data Collection and Survey																	
	Survey and Subsurface Utilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Investigation	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Data Collection and Survey	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Preliminary Engineering																	
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	15% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	30% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Architectural Design	$20,113.50	$20,746.00	$28,353.60	$55,555.50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$124,768.60
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Structural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Stormwater Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Landscape Architecture	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Maintenance of Traffic	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Utility Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineering	$20,113.50	$20,746.00	$28,353.60	$55,555.50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$124,768.60
Supplementary Engineering																	
	Risk Management	$1,012.00	$0.00	$844.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,856.80
	Value Engineering	$1,012.00	$0.00	$844.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,856.80
	Constructability Review	$506.00	$0.00	$211.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$717.20
	Quality Assurance	$0.00	$506.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$506.00
	Cost Estimating	$0.00	$2,024.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,024.00
	Preliminary Engineerring Data Collection Permitting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Permitting and Approvals Strategy	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Milestone Project Schedule	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Delivery Method	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Supplementary Engineering	$2,530.00	$2,530.00	$1,900.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$6,960.80
Public Engagement																	
	Public Engagement	$1,012.00	$1,012.00	$633.60	$488.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,146.00
	Public Engagement	$1,012.00	$1,012.00	$633.60	$488.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,146.00
Bid Documentation Preperation & Procurement Services																	
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$23,655.50**	**$24,288.00**	**$30,888.00**	**$56,043.90**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$134,875.40**
	Percent of Price By Classification	17.5%	18.0%	22.9%	41.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM

Schnabel Engineering, LLC 1300 Piccard Drive, Suite 106, Rockville, MD 20850

PROJECT NUMBER(S) AND DESCRIPTION | **DATE**

CC2DCA PE Phase

I. DIRECT COSTS				**FOR COUNTY USE ONLY**		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	100	$ 101.09	$ 10,109.00			$ -
2. Senior Engineer	60	$ 79.98	$ 4,798.80			$ -
3. Project Engineer	174	$ 63.50	$ 11,049.00			$ -
4. Junior Engineer	253	$ 38.67	$ 9,783.51			$ -
5. Senior Planner	0		$ -			$ -
6. Project Planner	0		$ -			$ -
7. Junior Planner	0		$ -			$ -
8. QA/QC Manager	0		$ -			$ -
9. Office Support	0		$ -			$ -
10. Technician	0		$ -			$ -
11. Urban Designer	0		$ -			$ -
12. Landscape Architect	0		$ -			$ -
13. Engagement Lead	0		$ -			$ -
14. Engagement Specialist	0		$ -			$ -
15. Sr. Tunnel Engineer	0		$ -			$ -
		TOTAL OF SECTION I	$ 35,740.31			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ -			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage		189.01%	$ 67,552.76			$
2. General and Administrative Costs *(% Direct Labor)*		0.00%	$ -			$
A. Profit - % of All above Direct and Indirect Costs		10.00%	$ 10,329.31			$
		TOTAL OF SECTION IV	$ 77,882.07			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 113,622.38			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Drilling Contractor			$ 73,170.00			$
2. Maintenance of Traffic (with Park Police support)			$ 61,906.00			$
3. Utility Location (private utility location and vacuum truck)			$ 12,536.00			$
4. Soil Laboratory Testing			$ 24,843.00			$
5. Geotechnical Exploration Expenses			$ 1,397.00			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ -			$
		TOTAL OF SECTION VI	$ 173,852.00			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 287,474.38			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart

Labor Hours-Schnabel

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Task 1: Project Management																	
1.1	Project Management																0
1.2	Attend Coordination Meetings																0
1.3	Participate in Weekly Technical Calls																0
1.4	Attend Kickoff Meeting																0
1.5	Prepare Meeting Minutes																0
1.6	Prepare Project Management Plan (PMP)																0
	Task 1: Project Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 2:Data Collection and Survey																	
2.1	Survey and Subsurface Utilities																0
2.2	Geotechnical Investigation	72	48	104	173												397
	Task 2:Data Collection and Survey	72	48	104	173	0	0	0	0	0	0	0	0	0	0	0	397
Task 3. Preliminary Engineering																	
3.1	Basis of Design Report (BOD)																0
3.2	15% Design Submission																0
3.3	30% Design Submission																0
3.3.1	Architectural Design																0
3.3.2	Bicycle and Pedestrian Facilities																0
3.3.3	Structural Design																0
3.3.4	Stormwater Management																0
3.3.5	Landscape Architecture																0
3.3.6	Maintenance of Traffic																0
3.3.7	Utility Design																0
3.3.8	Technical Specifications	4		4													8
3.3.9	Geotechnical Engineering	24	12	66	80												182
	Task 3. Preliminary Engineering	28	12	70	80	0	0	0	0	0	0	0	0	0	0	0	190
Task 4: Supplementary Engineering																	
4.1	Risk Management																0
4.2	Value Engineering																0
4.3	Constructability Review																0
4.4	Quality Assurance																0
4.5	Cost Estimating																0
4.6	Preliminary Engineerring Data Collection Permitting																0
4.7	Permitting and Approvals Strategy																0
4.8	Milestone Project Schedule																0
4.9	Project Delivery Method																0
	Task 4: Supplementary Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 5: Public Engagement																	
5.1	Public Engagement																0
	Task 5: Public Engagement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 6: Bid Documentation Preperation & Procurement Services																	
6.1	Requests for Qualifications& Proposal																0
6.2	Technical Specifications																0
6.3	Pre-Proposal Conference																0
6.4	Bid Analyses and Selection																0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**100**	**60**	**174**	**253**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**587**
	Percent of Hour By Classification	17.0%	10.2%	29.6%	43.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-Schnabel

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Project Management																	
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Coordination Meetings	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Participate in Weekly Technical Calls	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Kickoff Meeting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Meeting Minutes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Project Management Plan (PMP)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Data Collection and Survey																	
	Survey and Subsurface Utilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Investigation	$7,278.48	$3,839.04	$6,604.00	$6,689.91	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$24,411.43
	Data Collection and Survey	$7,278.48	$3,839.04	$6,604.00	$6,689.91	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$24,411.43
Preliminary Engineering																	
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	15% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	30% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Architectural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Structural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Stormwater Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Landscape Architecture	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Maintenance of Traffic	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Utility Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$404.36	$0.00	$254.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$658.36
	Geotechnical Engineering	$2,426.16	$959.76	$4,191.00	$3,093.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$10,670.52
	Preliminary Engineering	$2,830.52	$959.76	$4,445.00	$3,093.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$11,328.88
Supplementary Engineering																	
	Risk Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Value Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Constructability Review	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Quality Assurance	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Cost Estimating	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineerring Data Collection Permitting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Permitting and Approvals Strategy	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Milestone Project Schedule	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Delivery Method	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Supplementary Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Public Engagement																	
	Public Engagement	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Public Engagement	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Bid Documentation Preperation & Procurement Services																	
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$10,109.00**	**$4,798.80**	**$11,049.00**	**$9,783.51**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$35,740.31**
	Percent of Price By Classification	28.3%	13.4%	30.9%	27.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM						
Rhodeside Harwell 510 King St., Suite 300 Alexandria VA 22314						

PROJECT NUMBER(S) AND DESCRIPTION	DATE
CC2DCA PE Phase	

I. DIRECT COSTS				FOR COUNTY USE ONLY		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	102	$ 90.00	$ 9,180.00			$ -
2. Senior Engineer	0		$ -			$ -
3. Project Engineer	0		$ -			$ -
4. Junior Engineer	0		$ -			$ -
5. Senior Planner	0		$ -			$ -
6. Project Planner	0		$ -			$ -
7. Junior Planner	0		$ -			$ -
8. QA/QC Manager	0		$ -			$ -
9. Office Support	0		$ -			$ -
10. Technician	0		$ -			$ -
11. Urban Designer	572	$ 51.25	$ 29,315.00			$ -
12. Landscape Architect	727	$ 26.75	$ 19,447.25			$ -
13. Engagement Lead	0		$ -			$ -
14. Engagement Specialist	0		$ -			$ -
15. Sr Technical Specialist	0		$ -			$ -
		TOTAL OF SECTION I	$ 57,942.25			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS						$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage		49.91%	$ 28,918.98			$
2. General and Administrative Costs *(% Direct Labor)*		102.79%	$ 59,558.84			$
A. Profit - % of All above Direct and Indirect Costs		10.00%	$ 14,642.01			$
		TOTAL OF SECTION IV	$ 103,119.82			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 161,062.07			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ -			$
2. Soil Borings			$ -			$
3. Chemical, Mechanical, etc., Surveys			$ -			$
4. Preparation of Technical Manuals			$ -			$
5. Making Technical Studies/Investigations			$ 26,400.00			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ 200.00			$
		TOTAL OF SECTION VI	$ 26,600.00			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 187,662.07			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart

Labor Hours-Rhodeside Harwell

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Task 1: Project Management																	
1.1	Project Management																0
1.2	Attend Coordination Meetings																0
1.3	Participate in Weekly Technical Calls																0
1.4	Attend Kickoff Meeting																0
1.5	Prepare Meeting Minutes																0
1.6	Prepare Project Management Plan (PMP)																0
	Task 1: Project Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 2:Data Collection and Survey																	
2.1	Survey and Subsurface Utilities																0
2.2	Geotechnical Investigation																0
	Task 2:Data Collection and Survey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 3. Preliminary Engineering																	
3.1	Basis of Design Report (BOD)																0
3.2	15% Design Submission																0
3.3	30% Design Submission																0
3.3.1	Architectural Design																0
3.3.2	Bicycle and Pedestrian Facilities																0
3.3.3	Structural Design																0
3.3.4	Stormwater Management																0
3.3.5	Landscape Architecture	86										472	667				1225
3.3.6	Maintenance of Traffic																0
3.3.7	Utility Design																0
3.3.8	Technical Specifications	8										40	0				48
3.3.9	Geotechnical Engineering																0
	Task 3. Preliminary Engineering	94	0	0	0	0	0	0	0	0	0	512	667	0	0	0	1,273
Task 4: Supplementary Engineering																	
4.1	Risk Management																0
4.2	Value Engineering																0
4.3	Constructability Review																0
4.4	Quality Assurance																0
4.5	Cost Estimating																0
4.6	Preliminary Engineerring Data Collection Permitting																0
4.7	Permitting and Approvals Strategy																0
4.8	Milestone Project Schedule																0
4.9	Project Delivery Method																0
	Task 4: Supplementary Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 5: Public Engagement																	
5.1	Public Engagement	8										60	60				128
	Task 5: Public Engagement	8	0	0	0	0	0	0	0	0	0	60	60	0	0	0	128
Task 6: Bid Documentation Preperation & Procurement Services																	
6.1	Requests for Qualifications& Proposal																0
6.2	Technical Specifications																0
6.3	Pre-Proposal Conference																0
6.4	Bid Analyses and Selection																0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**102**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**572**	**727**	**0**	**0**	**0**	**1,401**
	Percent of Hour By Classification	7.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.8%	51.9%	0.0%	0.0%	0.0%	100.0%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-Rhodeside Harwell

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Project Management																	
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Coordination Meetings	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Participate in Weekly Technical Calls	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Kickoff Meeting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Meeting Minutes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Project Management Plan (PMP)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Data Collection and Survey																	
	Survey and Subsurface Utilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Investigation	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Data Collection and Survey	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Preliminary Engineering																	
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	15% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	30% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Architectural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Structural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Stormwater Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Landscape Architecture	$7,740.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$24,190.00	$17,842.25	$0.00	$0.00	$0.00	$49,772.25
	Maintenance of Traffic	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Utility Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$720.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,050.00	$0.00	$0.00	$0.00	$0.00	$2,770.00
	Geotechnical Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineering	$8,460.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$26,240.00	$17,842.25	$0.00	$0.00	$0.00	$52,542.25
Supplementary Engineering																	
	Risk Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Value Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Constructability Review	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Quality Assurance	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Cost Estimating	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineerring Data Collection Permitting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Permitting and Approvals Strategy	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Milestone Project Schedule	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Delivery Method	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Supplementary Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Public Engagement																	
	Public Engagement	$720.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,075.00	$1,605.00	$0.00	$0.00	$0.00	$5,400.00
	Public Engagement	$720.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,075.00	$1,605.00	$0.00	$0.00	$0.00	$5,400.00
Bid Documentation Preperation & Procurement Services																	
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$9,180.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$29,315.00**	**$19,447.25**	**$0.00**	**$0.00**	**$0.00**	**$57,942.25**
	Percent of Price By Classification	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.6%	33.6%	0.0%	0.0%	0.0%	15.8%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM						
Clark Concepts	**2273 Research Blvd. Suite 375, Rockville MD 20850**					

PROJECT NUMBER(S) AND DESCRIPTION	DATE
CC2DCA PE Phase	

I. DIRECT COSTS				**FOR COUNTY USE ONLY**		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	64	$ 58.73	$ 3,758.72			$ -
2. Senior Engineer	0		$ -			$ -
3. Project Engineer (Web Developer, Creative Director	43	$ 58.73	$ 2,525.39			$ -
4. Junior Engineer	0		$ -			$ -
5. Senior Planner	252	$ 54.67	$ 13,776.84			$ -
6. Project Planner (Designer)	86	$ 46.58	$ 4,005.88			$ -
7. Junior Planner	0		$ -			$ -
8. QA/QC Manager	0		$ -			$ -
9. Office Support	0		$ -			$ -
10. Technician (Translator)	102	$ 48.45	$ 4,941.90			$ -
11. Urban Designer	0		$ -			$ -
12. Landscape Architect	0		$ -			$ -
13. Engagement Lead	0		$ -			$ -
14. Engagement Specialist	0		$ -			$ -
15. Sr Technical Specialist	0		$ -			$ -
		TOTAL OF SECTION I	$ 29,008.73			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ -			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage	134.55%		$ 39,031.25			$
2. General and Administrative Costs *(% Direct Labor)*	0.00%		$ -			$
A. Profit - % of All above Direct and Indirect Costs	10.00%		$ 6,804.00			$
		TOTAL OF SECTION IV	$ 45,835.24			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 74,843.97			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ -			$
2. Soil Borings			$ -			$
3. Chemical, Mechanical, etc., Surveys			$ -			$
4. Preparation of Technical Manuals			$ -			$
5. Making Technical Studies/Investigations			$ -			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ -			$
		TOTAL OF SECTION VI	$ -			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 74,843.97			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart

Labor Hours-Clark

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer (Web Developer, Creative Director)	Junior Engineer	Senior Planner	Project Planner (Designer)	Junior Planner	QA/QC Manager	Office Support	Technician (Translator)	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Task 1: Project Management																	
1.1	Project Management																0
1.2	Attend Coordination Meetings																0
1.3	Participate in Weekly Technical Calls																0
1.4	Attend Kickoff Meeting																0
1.5	Prepare Meeting Minutes																0
1.6	Prepare Project Management Plan (PMP)																0
	Task 1: Project Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 2:Data Collection and Survey																	
2.1	Survey and Subsurface Utilities																0
2.2	Geotechnical Investigation																0
	Task 2:Data Collection and Survey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 3. Preliminary Engineering																	
3.1	Basis of Design Report (BOD)																0
3.2	15% Design Submission																0
3.3	30% Design Submission																0
3.3.1	Architectural Design																0
3.3.2	Bicycle and Pedestrian Facilities																0
3.3.3	Structural Design																0
3.3.4	Stormwater Management																0
3.3.5	Landscape Architecture																0
3.3.6	Maintenance of Traffic																0
3.3.7	Utility Design																0
3.3.8	Technical Specifications																0
3.3.9	Geotechnical Engineering																0
	Task 3. Preliminary Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 4: Supplementary Engineering																	
4.1	Risk Management																0
4.2	Value Engineering																0
4.3	Constructability Review																0
4.4	Quality Assurance																0
4.5	Cost Estimating																0
4.6	Preliminary Engineerring Data Collection Permitting																0
4.7	Permitting and Approvals Strategy																0
4.8	Milestone Project Schedule																0
4.9	Project Delivery Method																0
	Task 4: Supplementary Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 5: Public Engagement																	
5.1	Public Engagement	64		43		252	86				102						547
	Task 5: Public Engagement	64	0	43	0	252	86	0	0	0	102	0	0	0	0	0	547
Task 6: Bid Documentation Preperation & Procurement Services																	
6.1	Requests for Qualifications& Proposal																0
6.2	Technical Specifications																0
6.3	Pre-Proposal Conference																0
6.4	Bid Analyses and Selection																0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**64**	**0**	**43**	**0**	**252**	**86**	**0**	**0**	**0**	**102**	**0**	**0**	**0**	**0**	**0**	**547**
	Percent of Hour By Classification	11.7%	0.0%	7.9%	0.0%	46.1%	15.7%	0.0%	0.0%	0.0%	18.6%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-Clark

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer (Web Developer, Creative Director)	Junior Engineer	Senior Planner	Project Planner (Designer)	Junior Planner	QA/QC Manager	Office Support	Technician (Translator)	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Project Management																	
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Coordination Meetings	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Participate in Weekly Technical Calls	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Kickoff Meeting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Meeting Minutes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Project Management Plan (PMP)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Data Collection and Survey																	
	Survey and Subsurface Utilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Investigation	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Data Collection and Survey	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Preliminary Engineering																	
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	15% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	30% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Architectural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Structural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Stormwater Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Landscape Architecture	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Maintenance of Traffic	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Utility Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Supplementary Engineering																	
	Risk Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Value Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Constructability Review	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Quality Assurance	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Cost Estimating	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineerring Data Collection Permitting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Permitting and Approvals Strategy	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Milestone Project Schedule	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Delivery Method	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Supplementary Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Public Engagement																	
	Public Engagement	$3,758.72	$0.00	$2,525.39	$0.00	$13,776.84	$4,005.88	$0.00	$0.00	$0.00	$4,941.90	$0.00	$0.00	$0.00	$0.00	$0.00	$29,008.73
	Public Engagement	$3,758.72	$0.00	$2,525.39	$0.00	$13,776.84	$4,005.88	$0.00	$0.00	$0.00	$4,941.90	$0.00	$0.00	$0.00	$0.00	$0.00	$29,008.73
Bid Documentation Preperation & Procurement Services																	
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$3,758.72**	**$0.00**	**$2,525.39**	**$0.00**	**$13,776.84**	**$4,005.88**	**$0.00**	**$0.00**	**$0.00**	**$4,941.90**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$29,008.73**
	Percent of Price By Classification	13.0%	0.0%	8.7%	0.0%	47.5%	13.8%	0.0%	0.0%	0.0%	17.0%	0.0%	0.0%	0.0%	0.0%	0.0%	69.2%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM						
AULtec	7895 Cessna Ave., Suite D	Gaithersburg, MD 20879				

PROJECT NUMBER(S) AND DESCRIPTION	DATE
CC2DCA PE Phase	

I. DIRECT COSTS				FOR COUNTY USE ONLY		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	280	$ 36.36	$ 10,182.12			$ -
2. Principal-in-Charge	60	$ 54.55	$ 3,272.82			$ -
3. Professional Surveyor	164	$ 41.82	$ 6,858.32			$ -
4. Junior Office/Field Survey Technician	200	$ 32.73	$ 6,545.44			$ -
5. Senior Office/Field Survey Technician	192	$ 34.55	$ 6,632.72			$ -
6. 2-Person Field Crw/1-Person Robotic	1840	$ 43.64	$ 80,293.18			$ -
7. 3-Person Field Survey Crew	160	$ 61.82	$ 9,891.18			$ -
8. Junior CAD Technician	0	$ 30.91	$ -			$ -
9. QA/QC Manager	0	$ 41.82	$ -			$ -
10. Office Admin	0	$ 25.46	$ -			$ -
11. Urban Designer	0		$ -			$ -
12. Landscape Architect	0		$ -			$ -
13. Engagement Lead	0		$ -			$ -
14. Engagement Specialist	0		$ -			$ -
15. Sr Technical Specialist	0		$ -			$ -
TOTAL OF SECTION I			$ 123,675.78			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ 1,000.00			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage	150.00%		$ 185,513.67			$
2. General and Administrative Costs *(% Direct Labor)*	0.00%		$ -			$
A. Profit - % of All above Direct and Indirect Costs	10.00%		$ 30,918.94			$
TOTAL OF SECTION IV			$ 216,432.61			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 341,108.39			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ 21,000.00			$
2. Soil Borings			$ -			$
3. Chemical, Mechanical, etc., Surveys			$ -			$
4. Preparation of Technical Manuals			$ -			$
5. Making Technical Studies/Investigations			$ -			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ -			$
TOTAL OF SECTION VI			$ 21,000.00			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 362,108.39			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart

Labor Hours-AULtec

March 2, 2023

Phase	Task Description	Project Manager	Principal-in-Charge	Professional Surveyor	Junior Office/Field Survey Technician	Senior Office/Field Survey Technician	2-Person Field Crw/1-Person Robotic	3-Person Field Survey Crew	Junior CAD Technician	QA/QC Manager	Office Admin	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Task 1: Project Management																	
1.1	Project Management																0
1.2	Attend Coordination Meetings																0
1.3	Participate in Weekly Technical Calls																0
1.4	Attend Kickoff Meeting																0
1.5	Prepare Meeting Minutes																0
1.6	Prepare Project Management Plan (PMP)																0
	Task 1: Project Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 2:Data Collection and Survey																	
2.1	Survey and Subsurface Utilities	280	60	164	200	192	1800	160									2856
2.2	Geotechnical Investigation						40										40
	Task 2:Data Collection and Survey	280	60	164	200	192	1,840	160	0	0	0	0	0	0	0	0	2,896
Task 3. Preliminary Engineering																	
3.1	Basis of Design Report (BOD)																0
3.2	15% Design Submission																0
3.3	30% Design Submission																0
3.3.1	Architectural Design																0
3.3.2	Bicycle and Pedestrian Facilities																0
3.3.3	Structural Design																0
3.3.4	Stormwater Management																0
3.3.5	Landscape Architecture																0
3.3.6	Maintenance of Traffic																0
3.3.7	Utility Design																0
3.3.8	Technical Specifications																0
3.3.9	Geotechnical Engineering																0
	Task 3. Preliminary Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 4: Supplementary Engineering																	
4.1	Risk Management																0
4.2	Value Engineering																0
4.3	Constructability Review																0
4.4	Quality Assurance																0
4.5	Cost Estimating																0
4.6	Preliminary Engineerring Data Collection Permitting																0
4.7	Permitting and Approvals Strategy																0
4.8	Milestone Project Schedule																0
4.9	Project Delivery Method																0
	Task 4: Supplementary Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 5: Public Engagement																	
5.1	Public Engagement																0
	Task 5: Public Engagement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 6: Bid Documentation Preperation & Procurement Services																	
6.1	Requests for Qualifications& Proposal																0
6.2	Technical Specifications																0
6.3	Pre-Proposal Conference																0
6.4	Bid Analyses and Selection																0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**280**	**60**	**164**	**200**	**192**	**1,840**	**160**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,896**
	Percent of Hour By Classification	9.7%	2.1%	5.7%	6.9%	6.6%	63.5%	5.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-AULtec

March 2, 2023

Phase	Task Description	Project Manager	Principal-in-Charge	Professional Surveyor	Junior Office/Field Survey Technician	Senior Office/Field Survey Technician	2-Person Field Crw/1-Person Robotic	3-Person Field Survey Crew	Junior CAD Technician	QA/QC Manager	Office Admin	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Project Management																	
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Coordination Meetings	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Participate in Weekly Technical Calls	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Kickoff Meeting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Meeting Minutes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Project Management Plan (PMP)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Data Collection and Survey																	
	Survey and Subsurface Utilities	$10,182.12	$3,272.82	$6,858.32	$6,545.44	$6,632.72	$78,547.68	$9,891.18	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$121,930.27
	Geotechnical Investigation	$0.00	$0.00	$0.00	$0.00	$0.00	$1,745.50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,745.50
	Data Collection and Survey	$10,182.12	$3,272.82	$6,858.32	$6,545.44	$6,632.72	$80,293.18	$9,891.18	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$123,675.78
Preliminary Engineering																	
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	15% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	30% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Architectural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Structural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Stormwater Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Landscape Architecture	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Maintenance of Traffic	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Utility Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Supplementary Engineering																	
	Risk Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Value Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Constructability Review	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Quality Assurance	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Cost Estimating	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineerring Data Collection Permitting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Permitting and Approvals Strategy	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Milestone Project Schedule	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Delivery Method	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Supplementary Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Public Engagement																	
	Public Engagement	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Public Engagement	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Task 6: Bid Documentation Preperation & Procurement Services																	
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Task 6: Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$10,182.12**	**$3,272.82**	**$6,858.32**	**$6,545.44**	**$6,632.72**	**$80,293.18**	**$9,891.18**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$123,675.78**
	Percent of Price By Classification	8.2%	2.6%	5.5%	5.3%	5.4%	64.9%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	27.1%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM						
CXC	98 Elm Street	Salisbury, Massachusetts 01952				

PROJECT NUMBER(S) AND DESCRIPTION	DATE
CC2DCA PE Phase	

I. DIRECT COSTS				FOR COUNTY USE ONLY		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	176	$ 115.40	$ 20,310.40			$ -
2. Senior Engineer	410	$ 96.15	$ 39,421.50			$ -
3. Project Engineer	100	$ 57.70	$ 5,770.00			$ -
4. Junior Engineer	0		$ -			$ -
5. Senior Planner	0		$ -			$ -
6. Project Planner	0		$ -			$ -
7. Junior Planner	0		$ -			$ -
8. QA/QC Manager	0		$ -			$ -
9. Office Support	0		$ -			$ -
10. Technician	0		$ -			$ -
11. Urban Designer	0		$ -			$ -
12. Landscape Architect	0		$ -			$ -
13. Engagement Lead	0		$ -			$ -
14. Engagement Specialist	0		$ -			$ -
15. Sr Technical Specialist	138	$ 81.75	$ 11,281.50			$ -
		TOTAL OF SECTION I	$ 76,783.40			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ -			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage		170.00%	$ 130,531.78			$
2. General and Administrative Costs *(% Direct Labor)*		3.00%	$ 2,303.50			$
A. Profit - % of All above Direct and Indirect Costs		10.00%	$ 20,961.87			$
		TOTAL OF SECTION IV	$ 153,797.15			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 230,580.55			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ -			$
2. Soil Borings			$ -			$
3. Chemical, Mechanical, etc., Surveys			$ -			$
4. Preparation of Technical Manuals			$ -			$
5. Making Technical Studies/Investigations			$ -			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ -			$
		TOTAL OF SECTION VI	$ -			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 230,580.55			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart
Labor Hours-CXC

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Task 1: Project Management																	
1.1	Project Management																0
1.2	Attend Coordination Meetings																0
1.3	Participate in Weekly Technical Calls																0
1.4	Attend Kickoff Meeting																0
1.5	Prepare Meeting Minutes																0
1.6	Prepare Project Management Plan (PMP)																0
	Task 1: Project Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 2:Data Collection and Survey																	
2.1	Survey and Subsurface Utilities																0
2.2	Geotechnical Investigation																0
	Task 2:Data Collection and Survey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 3. Preliminary Engineering																	
3.1	Basis of Design Report (BOD)																0
3.2	15% Design Submission																0
3.3	30% Design Submission																0
3.3.1	Architectural Design																0
3.3.2	Bicycle and Pedestrian Facilities																0
3.3.3	Structural Design																0
3.3.4	Stormwater Management																0
3.3.5	Landscape Architecture																0
3.3.6	Maintenance of Traffic																0
3.3.7	Utility Design																0
3.3.8	Technical Specifications	12	32														44
3.3.9	Geotechnical Engineering																0
	Task 3. Preliminary Engineering	12	32	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Task 4: Supplementary Engineering																	
4.1	Risk Management	16	24														40
4.2	Value Engineering	16	40														56
4.3	Constructability Review	68	122													18	208
4.4	Quality Assurance																0
4.5	Cost Estimating	24	100	100													224
4.6	Preliminary Engineerring Data Collection Permitting																0
4.7	Permitting and Approvals Strategy	8	16														24
4.8	Milestone Project Schedule	24	60													120	204
4.9	Project Delivery Method	8	16														24
	Task 4: Supplementary Engineering	164	378	100	0	0	0	0	0	0	0	0	0	0	0	138	780
Task 5: Public Engagement																	
5.1	Public Engagement																0
	Task 5: Public Engagement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 6: Bid Documentation Preperation & Procurement Services																	
6.1	Requests for Qualifications& Proposal																0
6.2	Technical Specifications																0
6.3	Pre-Proposal Conference																0
6.4	Bid Analyses and Selection																0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**176**	**410**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**138**	**824**
	Percent of Hour By Classification	21.4%	49.8%	12.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.7%	100.0%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-CXC

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Project Management																	
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Coordination Meetings	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Participate in Weekly Technical Calls	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Kickoff Meeting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Meeting Minutes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Project Management Plan (PMP)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Data Collection and Survey																	
	Survey and Subsurface Utilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Investigation	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Data Collection and Survey	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Preliminary Engineering																	
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	15% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	30% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Architectural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Structural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Stormwater Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Landscape Architecture	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Maintenance of Traffic	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Utility Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$1,384.80	$3,076.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,461.60
	Geotechnical Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineering	$1,384.80	$3,076.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,461.60
Supplementary Engineering																	
	Risk Management	$1,846.40	$2,307.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,154.00
	Value Engineering	$1,846.40	$3,846.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$5,692.40
	Constructability Review	$7,847.20	$11,730.30	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,471.50	$21,049.00
	Quality Assurance	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Cost Estimating	$2,769.60	$9,615.00	$5,770.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$18,154.60
	Preliminary Engineerring Data Collection Permitting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Permitting and Approvals Strategy	$923.20	$1,538.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,461.60
	Milestone Project Schedule	$2,769.60	$5,769.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$9,810.00	$18,348.60
	Project Delivery Method	$923.20	$1,538.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,461.60
	Supplementary Engineering	$18,925.60	$36,344.70	$5,770.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$11,281.50	$72,321.80
Public Engagement																	
	Public Engagement	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Public Engagement	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Bid Documentation Preperation & Procurement Services																	
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$20,310.40**	**$39,421.50**	**$5,770.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$11,281.50**	**$76,783.40**
	Percent of Price By Classification	26.5%	51.3%	7.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.7%	85.3%

Arlington County Government
PRICE SCHEDULE

NAME AND ADDRESS OF FIRM						
Insights	14707A Willard Road, Chantilly, VA 20151					

PROJECT NUMBER(S) AND DESCRIPTION	DATE
CC2DCA PE Phase	

I. DIRECT COSTS				FOR COUNTY USE ONLY		
Work Classification	No. Hours	Rate / Hour	Total	No. Hours	Rate / Hour	Total
1. Project Manager	32	$ 125.21	$ 4,006.72			$ -
2. Senior Engineer	0		$ -			$ -
3. Project Engineer	0		$ -			$ -
4. Junior Engineer	0		$ -			$ -
5. Senior Planner	0		$ -			$ -
6. Project Planner	0		$ -			$ -
7. Junior Planner	0		$ -			$ -
8. QA/QC Manager	28	$ 83.01	$ 2,324.28			$ -
9. Office Support	0		$ -			$ -
10. Technician	160	$ 125.00	$ 20,000.00			$ -
11. Urban Designer	0		$ -			$ -
12. Landscape Architect	0		$ -			$ -
13. Engagement Lead	0		$ -			$ -
14. Engagement Specialist	0		$ -			$ -
15. Sr Technical Specialist	0		$ -			$ -
		TOTAL OF SECTION I	$ 26,331.00			$ -
II. CONSULTANT IN-HOUSE REPRODUCTION COSTS			$ -			$
III. MATERIALS AND SUPPLIES *(Not included in G&A Costs)*			$ -			$
IV. INDIRECT COSTS *(Furnish details)*						
1. Overhead on Direct Labor - Percentage		10.00%	$ 2,633.10			$
2. General and Administrative Costs *(% Direct Labor)*		13.00%	$ 3,423.03			$
A. Profit - % of All above Direct and Indirect Costs		10.00%	$ 3,238.71			$
		TOTAL OF SECTION IV	$ 9,294.84			$ -
V. TOTAL OF SECTIONS I, II, III AND IV *(Subject to statutory cost limitation)*			$ 35,625.84			$ -
VI. REIMBURSABLE ITEMS *(Give details)*						
1. Topographical Surveys			$ -			$
2. Soil Borings			$ 43,800.00			$
3. Chemical, Mechanical, etc., Surveys			$ -			$
4. Preparation of Technical Manuals			$ -			$
5. Making Technical Studies/Investigations			$ 24,200.00			$
6. Travel, Per Diem *(Number of Trips)*			Not reimbursable			$
7. Long Distance Telephone Costs			Not reimbursable			$
8. Reproduction Costs *(Where subcontracted)*			$ -			$
		TOTAL OF SECTION VI	$ 68,000.00			$ -
VII. PROPOSAL (TOTAL OF SECTIONS V AND VI)			$ 103,625.84			$ -

REMARKS *(Identify by Section and Item Number, if applicable, if additional space is required, use separate blank sheet of paper.)*

CC2DCA PE Phase
Fee Proposal
Workload Chart
Labor Hours-Insights

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Task 1: Project Management																	
1.1	Project Management																0
1.2	Attend Coordination Meetings																0
1.3	Participate in Weekly Technical Calls																0
1.4	Attend Kickoff Meeting																0
1.5	Prepare Meeting Minutes																0
1.6	Prepare Project Management Plan (PMP)																0
	Task 1: Project Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 2:Data Collection and Survey																	
2.1	Survey and Subsurface Utilities	32							28		160						220
2.2	Geotechnical Investigation																0
	Task 2:Data Collection and Survey	32	0	0	0	0	0	0	28	0	160	0	0	0	0	0	220
Task 3. Preliminary Engineering																	
3.1	Basis of Design Report (BOD)																0
3.2	15% Design Submission																0
3.3	30% Design Submission																0
3.3.1	Architectural Design																0
3.3.2	Bicycle and Pedestrian Facilities																0
3.3.3	Structural Design																0
3.3.4	Stormwater Management																0
3.3.5	Landscape Architecture																0
3.3.6	Maintenance of Traffic																0
3.3.7	Utility Design																0
3.3.8	Technical Specifications																0
3.3.9	Geotechnical Engineering																0
	Task 3. Preliminary Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 4: Supplementary Engineering																	
4.1	Risk Management																0
4.2	Value Engineering																0
4.3	Constructability Review																0
4.4	Quality Assurance																0
4.5	Cost Estimating																0
4.6	Preliminary Engineerring Data Collection Permitting																0
4.7	Permitting and Approvals Strategy																0
4.8	Milestone Project Schedule																0
4.9	Project Delivery Method																0
	Task 4: Supplementary Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 5: Public Engagement																	
5.1	Public Engagement																0
	Task 5: Public Engagement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 6: Bid Documentation Preperation & Procurement Services																	
6.1	Requests for Qualifications& Proposal																0
6.2	Technical Specifications																0
6.3	Pre-Proposal Conference																0
6.4	Bid Analyses and Selection																0
	Task 6: Bid Documentation Preperation & Procurement Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Offeror Team - Total Hours	**32**	**0**	**0**	**0**	**0**	**0**	**0**	**28**	**0**	**160**	**0**	**0**	**0**	**0**	**0**	**220**
	Percent of Hour By Classification	14.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.7%	0.0%	72.7%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

CC2DCA PE Phase
Fee Proposal
Workload Chart
Cost Breakdown by Task-Insights

March 2, 2023

Phase	Task Description	Project Manager	Senior Engineer	Project Engineer	Junior Engineer	Senior Planner	Project Planner	Junior Planner	QA/QC Manager	Office Support	Technician	Urban Designer	Landscape Architect	Engagement Lead	Engagement Specialist	Sr Technical Specialist	Total Estimated Hours
Project Management																	
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Coordination Meetings	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Participate in Weekly Technical Calls	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Attend Kickoff Meeting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Meeting Minutes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Prepare Project Management Plan (PMP)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Data Collection and Survey																	
	Survey and Subsurface Utilities	$4,006.72	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,324.28	$0.00	$20,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$26,331.00
	Geotechnical Investigation	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Data Collection and Survey	$4,006.72	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,324.28	$0.00	$20,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$26,331.00
Preliminary Engineering																	
	Basis of Design Report (BOD)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	15% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	30% Design Submission	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Architectural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bicycle and Pedestrian Facilities	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Structural Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Stormwater Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Landscape Architecture	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Maintenance of Traffic	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Utility Design	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Geotechnical Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Supplementary Engineering																	
	Risk Management	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Value Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Constructability Review	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Quality Assurance	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Cost Estimating	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Preliminary Engineerring Data Collection Permitting	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Permitting and Approvals Strategy	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Milestone Project Schedule	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Project Delivery Method	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Supplementary Engineering	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Public Engagement																	
	Public Engagement	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Public Engagement	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Task 6: Bid Documentation Preperation & Procurement Services																	
	Requests for Qualifications& Proposal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Technical Specifications	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Pre-Proposal Conference	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Bid Analyses and Selection	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Task 6: Bid Documentation Preperation & Procurement Services	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Offeror Team - Total Cost	**$4,006.72**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$2,324.28**	**$0.00**	**$20,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$26,331.00**
	Percent of Price By Classification	15.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.8%	0.0%	76.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.2%

Arlington County
Ref: CC2DCA 30% Design Fee
March 2, 2023

ATTACHMENT C

Responses to Comments on November 23, 2022 and February 10, 2023 Submittals

ARLINGTON COUNTY - DEPARTMENT OF ENVIRONMENTAL SERVICES (AC DES)
PROJECT REVIEW COMMENT RESOLUTION FORM

First Review

Project No.:		**#REF!**		**County Project Manager:**	#REF!	**Date County provided the materials:**
Project Name:		**#REF!**		**Volkert Project Manager**	#REF!	**Date Submitted to the County:**
Name of submittals		**30% Fee Proposal**				
Item	**Sheet No.**	**Reviewer** **1. Volkert** **2. Terracon**	**Review Comment** **1. Requirement** **2. Recommendation** **3. Clarification**	**Comment**	**Response** **A. Agree with Comment** **B. Designer will Evaluate** **C. Disagree with Comment** **D. Department will Evaluate**	**Justification for Deviation**
1	General	1. Volkert	3. Clarification	Please clarify which alternative is being carried forward for final design.		The Preferred Alternative as concurred with on February 8, 2023. Please note that the Preferred Alternative contains substantial ambiguity around alignment and structural type.
2	General	1. Volkert	3. Clarification	Is VHB accepting the RFP Scope of work as the scope of work for their services, including the listed assumptions?		Yes, VHB is accepting the scope with additional clarifications and assumptions as noted in the response. Arlington may wish to incorporate these into the SOW itself.
3	2 of 3	1. Volkert	3. Clarification	SOW Page 2, Bullet 2: RFP states 30% Design. SOW refers to 60% design. Please clarify and correct.		30% Design
4	2 of 3	1. Volkert	3. Clarification	SOW Page 2, Table 1: Please clarify why Task 2 and Topographic Survey are listed as separate fees and line items? It is not clear how this task is separated among the various firms. Please clarify		This was described in error. The expense refers to MOT costs associated with the topographic survey.
5	3 of 3	1. Volkert	3. Clarification	SOW Page 3: Who is responsible for obtaining permits?	B. Designer will Evaluate	VHB is responsible for obtaining permits on behalf of the County.
6	General	1. Volkert	3. Clarification	Subconsultant proposals were not provided for review.	B. Designer will Evaluate	More information regarding the delineation of effort has been provided in the revised fee submission.
7	Fee	1. Volkert	3. Clarification	What does the Project Management task include? Other personnel are shown with hours.		Please refer to the SOW
8	Fee	1. Volkert	3. Clarification	Indicate how many meetings are assumed in the line item descriptions. Who is attending those meetings?		Please refer to the SOW
9	Fee	1. Volkert	3. Clarification	Survey, Utilities and Geotech seem to show excessive hours. How are the task broken down among the personnel and subs?		Please find additional clarification. We have streamlined VHB participation and reviewed scopes with subconsultants.
10	Fee	1. Volkert	3. Clarification	What are the deliverables for the each of the tasks? These should be defined for each milestone and item of work, as necessary.		Please refer to the SOW and additional clarifications in the response.
11	Fee	1. Volkert	2. Recommendation	It is important to have detailed scopes for each of the team members to understand the levels of effort for each member, for each task.		More information regarding the delineation of effort has been provided in the revised fee submission. Subconsultant scopes are not finalized until master agreement is finalized, but the additional information clarifies the roles of the firms.
12	Fee	1. Volkert	3. Clarification	Many of the items of work show hours that are redundant among personnel and subs. Without subs proposals, it is not clear how the hours are divided among the team.		More information regarding the delineation of effort has been provided in the revised fee submission. In particular, we have explained how time in Task 3 is allocated. We have also addressed a tracking error.
13	Fee	1. Volkert	3. Clarification	Fee; VI Reimbursable Items: #5: What Technical Studies/Investigations are being prepared? What deliverable will be provided?		This is further explained in the revised fee submission.

ARLINGTON COUNTY - DEPARTMENT OF ENVIRONMENTAL SERVICES (AC DES)
PROJECT REVIEW COMMENT RESOLUTION FORM

	14	Fee	1. Volkert	3. Clarification	Fee; VI Reimbursable Items: #4: What Technical Manuals are being prepared? What deliverable will be provided? How is this different than #5?		This is further explained in the revised fee submission.
	15	Fee	1. Volkert	3. Clarification	What are the limits of the topographic survey? Scope of the survey?		This is further explained in the revised fee submission.
	16	Fee	1. Volkert	3. Clarification	What are locations / depths of the borings? What type of analysis will be performed?		This is further explained in the revised fee submission.
	17	Fee	1. Volkert	3. Clarification	Does the Geotech effort include a geotechnical report and structural recommendations?		This is further explained in the revised fee submission.
	18	SOW	1. Volkert	1. Requirement	SOW should state that ITB Documents/Procurement assistance is not included.		The revised fee submission clarifies this point.
	19	Fee	1. Volkert	3. Clarification	Preliminary Engineering has hours for 15% design submission and 30% design submission. Additional hours are listed for each discipline. Are efforts being double counted? For example, VHB has 704 hours for a Civil Designer to do SWM and 340 hours to do 30% design. What is the difference between the 2 tasks?		We have clarified this further. The time on the 15% and 30% line is associated with developing, reviewing, and coordinating the submission.
	20	Fee	1. Volkert	3. Clarification	Tasks for each discipline in Task 3 (PE) should have clearly defined deliverables and be broken down into detailed sub-tasks in order to properly evaluate the number of hours proposed. For example, structural design should have line items for foundation design, pier design, beam design, etc...		This request is for detail beyond the tasks defined in the SOW. VHB believes there is no added value in providing this kind of detail as additional sub-tasks would require additional assumptions and exclusions as well as generate additional tracking and management costs for both Arlington County and VHB. Through the SOW as defined in the contract, we are committing to delivering a 30% structural design and recommend maintaining as much flexibility as possible regarding the steps through which this will be achieved.
	21	Fee	1. Volkert	3. Clarification	3746 hours seems high for 30% structural design. Define what sheets will be developed and what level of detail will be provided. Many of the design requirements were already determine during the concept phase.		We have reduced hours. We have also provided more details on deliverables. We would caution that "many of the design requirements were already determined during the concept phase" is not VHB's position. We expect that substantial iteration with property owners will be required and have outlined some specific strategies to manage this level of effort.
	22	Fee	1. Volkert	3. Clarification	What is the difference between task 3.3.8 and 6.2?		As denoted in the SOW, Task 3.3.8 is the development of a specification matrix. Task 6.2 advances those specifications and develops project-specific specs for bridging/procurement purposes.
					End of Comments		

Project No.:	**#REF!**		**County Project Manager:**	#REF!	**Date County provided the materials:**	
Project Name:	**#REF!**		**Volkert Project Manager**	#REF!	**Date Submitted to the County:**	
Name of submittals	**30% Fee Proposal**					

Item	**Sheet No.**	**Reviewer**	**Review Comment**	**Comment**	**Response**	**Justification for Deviation**
		1. Volkert	**1. Requirement**		**A. Agree with Comment**	
		2. Terracon	**2. Recommendation**		**B. Designer will Evaluate**	
			3. Clarification		**C. Disagree with Comment**	
					D. Department will Evaluate	

ARLINGTON COUNTY - DEPARTMENT OF ENVIRONMENTAL SERVICES (AC DES)
PROJECT REVIEW COMMENT RESOLUTION FORM

Second Review	1		1. Volkert	2. Recommendation	The Work Classifications in the "ALL" tabs are misleading because each firm has different classifications. For example, none of AULte's survey classifications are listed. It would be more appropriate to summarize total hours and fee for each firm instead of each classification.	A. Agree with Comment	We tried to stay as close to the template as possible, which led to the noted inconsistency. Total fee and hours for each firm are shown in the "Consultant Cost Breakdown" tab for that firm. We revised the summary sheet to separate all distinct labor categories.
	2		1. Volkert	1. Requirement	The fee seems high for Architectural Design. The scope states that the design presented in the NEPA concept will proceed largely as depicted and all major scope elements will remain unchanged. The fee includes $197,282 in General and Administrative Costs. This direct cost is not listed in Section III of the revised scope document. SOM has the highest fee of any subconsultant.	C. Disagree with Comment	(1) This comment underestimates the level of effort for the architectural design task. The NEPA concepts define a (partial) aligment and a structure type (girder bridge); these are the elements assumed to remain unchanged. Specific architectural and design elements have purposefully been left undefined until the PE phase due to their sensitivity. Architectural design will require extensive coordination with NPS NCA and the GWMP. Aesthetics and context sensitivity will be a primary focus of these entities throughout the process and extensive workshopping and multiple iterations are anticipated. There will be a need to develop bespoke design solutions for all key bridge elements, such as formal superstructure, guardrail, finish, lighting, signage, etc. (2) The overhead and G&A indirect costs were SOM's approved audited costs at the time of submission. Since then, SOM has finalized its 2022 FAR audit, which has resulted in slighlty lower audited rates. These current rates have been incorporated into the proposal, resulting in a reduction of SOM's and the overall fee. (3) Section III of Attachment A of the cover letter describes the project's direct costs. These are distinct and unrelated to indirect G&A costs.
	3		1. Volkert	3. Clarification	How are direct costs accounted for in the fee proposal? Should the sum of the direct costs in Section III of the revised scope document match the General and Administrative Costs?	C. Disagree with Comment	Direct costs, detailed in Section III of Attachment A of the cover letter, are shown in Section VI of the "Consultant Cost Breakdown" tab for each firm and compiled in Section VI of the summary "Consultant Cost Breakdown-ALL." G&A costs are non-project-specific indirect costs. They are based on raw labor costs and are unrelated to the project's direct costs.
	4		1. Volkert	3. Clarification	The rates for General and Administrative Costs seem high for some firms and the rate is 0.0% for other firms. Are these actual audited rates? Typically this rate is less than 1%. The approved rate should be used in the profit calculation, not actual direct costs.	C. Disagree with Comment	Overhead rates and G&A rates vary by firm. Some firms separate overhead and G&A costs while others include all indirect labor costs under a single overhead rate. The rates used for each firm are the firm's audited rates. These rates are unrelated to direct costs for the project.
					End of Comments		

ARLINGTON COUNTY - DEPARTMENT OF ENVIRONMENTAL SERVICES (AC DES)
PROJECT REVIEW COMMENT RESOLUTION FORM

First Review

Project No.:				**County Project Manager:**	Kyle Kling	
Project Name:		**Multi Modal connection Between Crystal Drive and Ronald Reagan Washington National Airport**		**Commentor Name:**	Kyle Kling	**Date Submitted to VHB:**
Name of submittals		**30% Fee Proposal**				

Item	Sheet No.	Review Comment 1. Requirement 2. Recommendation 3. Clarification	Comment	Response A. Agree with Comment B. Designer will Evaluate C. Disagree with Comment D. Department will Evaluate	Justification for Deviation	Status / Notes
1	General	3. Clarification	It has been relayed to Arlington County that subconsultant manhour/fee proposals were developed utilizing singular scopes. Please provide clarification on how VHB QA/QC proposals to ensure efforts weren't duplicated across subs and excessive hours weren't allocated?. If efforts were duplicated, please revise scope/hours accordingly.		VHB reviewed each proposal, identified areas of overlap/duplication, and reduced fee accordingly. VHB time where we are not the only responsible consultant includes management and coordination of the task. Delineation between VHB and TY Lin on structural design was coordinated between the two entities accordingly. VHB has worked with the team to further streamline activities.	
2	General	3. Clarification	Hours allocated for "Project Manager" duties for various subs seems excessive. Ex.) Ty Lyn - Structural Design ; SOM - Architecural Design. QA, Cost Estimating, Public Engagement, Schnabel - Geotechnical Engineering , RHI Landscape Architecture ……... Please review and consider revising.		VHB has worked with the team to revise the allocation of hours consistent with Arlington County's comments.	
3	SOM Scope	3. Clarification	SOM has allocated ~$105k in overhead and $228k is general/admin cost. This seems excessive for architectural work/ renderings. Please provide clarification on what these cost are for.		The OH and G/A costs shown here are based on firm-specific audited rates that are used to calculate fully loaded billing rates for all projects.	
4	RHI Scope	3. Clarification	RHI has allocated $~40k in overhead and $82k is genral/admin cost. This seems excessive. Please provide clarification of what these cost are for.		As above.	
5	RHI Scope	3. Clarification	What techincal studies will RHI be preparing?		The technical study is the vegetation/tree survey to meet NPS requirements. *The scope of the survey has been revised and reduced based on the Preferred Alternative LOD.*	
6	Aultec Scope	3. Clarification	An Email from Drew M. dated 12/23 indicated AULtec's fee includes direct costs for title reports/property investigations and topographical survey work. What are the per parcel costs associated with preparing/reviewing title reports?		Please see the revised discussion of these cost items and how title reports are now being addressed.	
7	Aultec Scope	3. Clarification	An Email from Drew M. dated 12/23 indicated AULtec's fee includes direct costs for title reports/property investigations and topographical survey work. Topo is listed as a reimburseable. Please clarify what efforts outside of title reports/property investigations are inlcuded in overhead cost		Please see the clarification about the topographical work in the revised fee response.	
8	CXC Scope	3. Clarification	CXC has allocated ~$130.5K to overhead. This seems excessive for estimating/scheduling and VE duties. Please provide clarification on what these cost include		The OH and G/A costs shown here are based on firm-specific audited rates that are used to calculate the firm's fully loaded billing rates for all projects.	
9	General	3. Clarification	Overhead and Admin cost of ~2.33MM seems excessive. It is hard to justify these costs without seeing spefic cost allocation.		The OH and G/A costs shown here are based on firm-specific audited rates that are used to calculate the firm's fully loaded billing rates for all projects.	
10	General	3. Clarification	Overall fee of $4.4MM seems high. This would break down to an average of $185k invoiced monthly for 24 months. I envisoned the level of effort required for 30% scope to be on par with existing NEPA efforts, which is ~ $100k/mo. Outside of some more technically direct cost, please explain why there is such a difference in level of effort between existing NEPA efforts and planned 30%		The higher level of effort is due to the need to mobilize more intensive design labor and due to the man-hour intensive nature of some of the field work envisioned in the SOW. Consistent with County comment, we have worked to streamline the effort to a level comparable to the NEPA fee.	
10	Task 3 - Preliminary Engineering	3. Clarification	Cost Estimates created by VHB dated 5/30/22 indicated a Preliminary Engineering cost of $1.04MM for Alternative 7D and $1.55MM for Alternative 9D. Task 3 estimate on cover sheet is listed at $2,359,829. Please clarify what has contributed discrepancies in cost from estimates?		Given the potential length of the Preferred Alternative used for pricing, 9D is the more relevant comparison. The $1.55MM represented the estimate for PE of a "known" alternative. We carried contingency (of 50%) across all line items. The continued uncertainty around alignment, structure type, and most planning elements means a high likelihood of a substantial amount of coordination in advancing the design. If the contingency were fully used, that comes to $2.325MM. Consistent with Arlington's comments, we have worked to streamline fee further as greater clarity has been achieved.	

	11	Task 3 - Preliminary Engineering	3. Clarification	13,816 man hours seems excessive for Task 3. This breaks down to ~132hr/wk over duration of 24 months (3 full time employees working 40+ hr/wk for duration of project). Please review and revise accordingly.		Noted and we have identified efficiencies in the level of effort.	
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				End of Comments			
Second Review	**Project No.:**		**#REF!**		**County Project Manager:**	#REF!	**Date County provided the materials:**
	Project Name:		**#REF!**		**Volkert Project Manager**	#REF!	**Date Submitted to the County:**
	Name of submittals		**30% Fee Proposal**				
	Item	**Sheet No.**	**Reviewer**	**Review Comment**	**Comment**	**Response**	**Justification for Deviation**
			1. Volkert	**1. Requirement**		**A. Agree with Comment**	
			2. Terracon	**2. Recommendation**		**B. Designer will Evaluate**	
				3. Clarification		**C. Disagree with Comment**	
						D. Department will Evaluate	
					End of Comments		

Arlington County
Ref: CC2DCA 30% Design Fee
March 2, 2023

ATTACHMENT D

Scope of Services

Attachment A: Statement of Work

October 11, 2022

I. SCOPE OF SERVICES

The Consultant shall be responsible for the successful execution of the following tasks and deliverables.

The objective of the scope of work is to conduct engineering design and project coordination from current NEPA level conceptual design through an approved 30% engineering design. Preliminary Engineering is generally defined as 30% design plans, though some elements of the design may need to be advanced beyond the 30% level, including identifying right-of-way (ROW) needs, while some elements of design may be slightly less than 30%.

Services are also to include assistance with the preparation of Invitation to Bid (ITB) documents and other relevant procurement services, which may include the preparation of technical specifications for bid items and assistant in responding to and analyzing prospective bid submittals.

Task 1. Project Management and Coordination

The Consultant shall appoint a Project Manager (PM) who will serve as the primary point of contact between the County and The Consultant. All communications with the County shall flow through and from The Consultant PM to the Project Officer. The Consultant PM is responsible for managing their team's work and keeping the project work on schedule and within the project budget.

In coordination with the Project Officer other meetings, phone calls, email communications shall be expected between The Consultant and County Staff, Project Stakeholders.

- **Task 1.1. General Project Management**: The Consultant will prepare monthly progress reports and invoices for the duration of the project (twenty-four [24] months). This task will also include coordinating and leading internal project planning, execution, and communications as well as ensuring compliance with scope and contract terms.

  Task 1.2. Attend Stakeholder Coordination Meetings: The Consultant will attend stakeholder coordination meetings (i.e., with Crystal City BID, VRE, adjacent commercial and residential property owners, etc.) as requested by Arlington County, to be conducted up to two (2) times per month for the duration of the project (twenty-four [24] months), for a total of forty-eight (48) meetings. The Consultant will develop a draft and final agenda for each meeting. It is assumed that on average one meeting each month will be held in person in Arlington County, and one (1) meeting each month will be held by conference call. The in-person meetings will be held via Microsoft Teams until restrictions caused by the COVID- 19 virus are lifted. All stakeholder coordination meetings are assumed to be up to ninety (90) minutes in duration.

  This task includes preparation for, and attendance of, all the meetings by the Consultant project manager and preparation for and attendance of half the meetings by on other key project team member, on average. Due to the complexities of the project, additional technical subject matter experts will be made available to attend meetings periodically to support Arlington County and the consultant management team when requested.

  Task 1.3. Participate in Weekly Technical Calls: The Consultant will attend weekly technical calls with Arlington County, and VDOT representatives (as needed), to discuss technical aspects of the 30% Design. These calls will occur for the duration of the project (twenty [24] months). All calls are assumed to be one (1) hour or less. The Consultant will develop recurring

documentation for these calls with Arlington County input to include weekly meeting agendas and meeting materials. The Consultant meeting agenda will include a coordination log that tracks key milestones, deliverables, action items, and upcoming stakeholder coordination meetings throughout the PE Phase In addition to the Project Manager, other consultant staff will attend the calls as needed based on the topics to be discussed.

- **Task 1.4. Attend Kickoff Meeting**: The Consultant will attend a project kick-off meeting to review the project approach, scope of work, schedule, and milestones. It is anticipated that this meeting will be held virtually via Microsoft Teams.

- **Task 1.5. Prepare Meeting Notes and Action Items**: The Consultant will prepare summary notes and action items of all meetings for submission to Arlington County project managers. For meetings involving other stakeholders, one (1) draft will be submitted for review and one (1) final version will be prepared and distributed as appropriate in response to comments.

- **Task 1.6. Prepare Project Management Plan (PMP)**: The Consultant will prepare and adhere to a Project Management Plan (PMP) identifying the Consultants approach to managing the project and fulfilling contract requirements. The PMP will be a "living document" updated and resubmitted to Arlington County as needed in response to comments from the County and as the project progresses and elements of the Consultant approach change. Up to six (6) revisions are assumed over the 24-month PE Phase schedule. The PMP is anticipated to include the following:

    - Summary of the approach to completing the Project;
    - Project schedule by task with agency and stakeholder review periods identified.
    - Project budget by task;
    - Proposed project organization and responsibilities including identification of key staff and their roles;
    - Document control procedure and recordkeeping system to be used for the Project,
    - Quality control and quality assurance measures to be implemented during PE Phase

Task 2. Data Collection and Survey

The Consultant shall be responsible for conducting all necessary data collection activities associated with the preparation of a 30% design submittal. These efforts include topographic survey and subsurface utility investigation, designation, & coordination and Geotechnical investigations.

- **Task 2.1 Survey and Subsurface Utilities:** The Consultant shall be responsible for conducting topographic and boundary survey along with subsurface utility investigation, designation, & coordination. The Consultant shall conduct field surveys, property research, underground utility locating services, utility test hole investigations and fully integrate this data into the existing conditions plans and survey base mapping with identified property boundaries and Right-of-Way limits.

  It is assumed that the project will be able to acquire and rely on survey base plan data from adjacent rail corridor projects and that no railroad Right of Entry permitting, or access coordination will be required.

  Task 4.6 below includes the necessary NPS coordination and access permitting required to access the site over Park lands.

The Consultant will be provided access to any airport property or buildings that may be required to complete the survey fieldwork, which will require areas to be cleared of vehicles prior to data collection.

The Consultant will develop the survey and mapping needed to achieve final design level survey for this project including, but not limited to, the following:

- Establish horizontal and vertical control including construction/survey control in airport structures.
- Base mapping to be completed using one Coordinate Datum
- Perform conventional topographic survey at scale 1" = 20'
- Locate subsurface utility designated lines and include on base topographic survey
- Boundary survey for impacted lots
- Survey sanitary and storm sewer structures within the Project limits to obtain pipe sizes, pipe material, invert into structure, invert out of structure, direction of flow, etc.
- Perform structure surveys for airport structures
- Develop survey control sheets
- Coordinate with Title Company to compile property ownership information from local databases, Title searches for existing third-party agreements, and easements for properties adjacent to, or potentially impacted by the planned project work
- Research existing as-builts and survey for prior projects within project limits
- Locate soil boring locations as identified by geotechnical engineer
- Compute and establish survey baseline with monumentation for design reference
- Develop up to ten (10) legal descriptions with sketches for ROW takings/easements on impacted properties
- Support tree survey requirements as noted under Landscape Architecture task below

Utility Records Research – the Consultant will conduct utility records research to assist in the identification of utility owners likely to own assets within the project limits and will contact and request documentation of subsurface utilities from these sources. Gathered materials will be evaluated for validity and indications of other available records and then used to inventory and identify the probable number, type, size, and material of utilities located at the project site. Record data will not be used as a substitute for actual geophysical location unless the utility system cannot be verified electronically using industry standard techniques for this level of investigation. The Consultant will provide all record information to the County with final deliverables.

Underground Utility Locating – the Consultant will conduct a thorough field investigation of each utility system identified in the utility inventory as existing or likely to exist within the project limits and perform utility locating services to a Quality Level B. The field investigation will utilize active and passive type utility detection equipment that detects induced or naturally occurring energy fields present on conductive utilities. All investigated utilities will be targeted or marked on the ground at the interpreted position of each subsurface utility and then topographic survey will be completed to record those markings.

Utility Test Pitting – the Consultant will conduct utility test pitting at up to 12 locations within the project limits with specific locations to be determined once utility coordination and design is advanced sufficiently to effectively identify the desired test pit locations. These services also require maintenance of traffic deployment to support these services in the vicinity of roadways and pedestrian access locations as well as access permitting by the various agencies, which covered under tasks 3.3.6 and 4.7 below, respectively.

The Consultant shall also set up and lead utility coordination meetings with utility owners as necessary. Assume eight (8) meetings total – 60 minutes each.

- **Task 2.2 Geotechnical Investigations:** The Consultant shall be responsible for conducting geotechnical investigations with desktop review and soil borings. The majority of this work was included as part of the initial NEPA tasks under this contract as per Exhibit A, however additional project management, stakeholder coordination, and access permitting is included under the tasks outlined in this SOW.

Deliverables

- Survey Data to be incorporated into Preliminary Engineering drawings and supplied to the County at the completion of this contract.
- Plans in both CADD (*.dwg) and PDF formats. Plan files may be submitted via e-mail or FTP site provided by the Contractor.
- The CADD file shall also include survey points used within the drawing, including control points, digital terrain model (dtm) points and topographic points.
- For projects that require a survey, the following shall be provided:
  - Bound copies of all deed research, including instruments and plats, of the recorded land records used to determine the limits of property, existing easements, and rights-of-way;
  - A bound copy of survey field book and notes; and
  - Electronic copies of the field raw data files.
- All Survey Work shall be performed under the direct supervision of Virginia Licensed Land Surveyor.
- Sub surface utility designation information shall include:
  - A survey of the utilities designated and located. Horizontal surveying of underground utilities shall be accurate to applicable survey standards;
  - Comparison of survey information plotted on base plans/CADD file with information provided from field sketches and evaluate all plotted information in the field for accuracy and reliability.
  - Final plot of all information to account for any corrections noted from the previous step and review plan sheets against the following:
    - records,
    - field sketches,
    - CADD drafting and d) field notes. Depict non-designatable utilities at their appropriate “Quality Level.”
- The Contractor shall provide the Project Officer a copy of the CADD files in a “.dwg” format, compatible with Arlington County's CADD software program (Civil 3D 2022);
- All drawing files shall conform to the current Arlington County CADD Standards. A signed and Sealed hard copy and PDF shall also be submitted to the Project Officer.
- CADD files shall be submitted to the County via FTP site provided by the Contractor, or via email. The files can also be provided on a CD-ROM (if allowed by the Project Officer). In addition to the aforementioned elements, the CADD file shall also include survey points used within the drawing, including control points, utility location points and topographic

Task 3. Preliminary Engineering

The Consultant shall perform Preliminary Engineering for all elements of the Project to be advanced from the conceptual design completed during the NEPA Phase to the Preliminary Engineering level. Preliminary Engineering is generally defined as 30% design plans, though some elements of the design may need to be advanced beyond the 30% level, including identifying right-of-way (ROW) needs, while some elements of design may be slightly less than 30%. The Preliminary Engineering design shall conform to the latest versions of all applicable local, state, and federal design criteria including, but not limited to the standards, specifications, and publications outlined in the Terms and Conditions section. Consultant and the County shall discuss and agree on what are the various design components to be included in the 30% design plan submittal.

- **Task 3.1 Basis of Design Report (BOD)** - Prior to advancing design plan packages, the Consultant shall develop the BOD, which will be the foundational element for all design from 30% through 100% and used early in the 30% phase to obtain major stakeholder signoff on required design criteria.

  The Basis of Design document preparation shall:

  - Utilize NEPA phase design concepts as the baseline requirements and confirm County those elements that should not be changed and those that will require further design development.
  - Utilize guidelines, standards, specifications, and requirements as applicable from the County, CSX Transportation (CSXT), Commonwealth of Virginia, NPS, VRE, MWAA, and other applicable sources.
  - Establish criteria and specifications for required design life, horizontal and vertical geometry, hand railings, fencing, lighting, signage, clearances, intersections/landings, strutures, construction materials, drainage, surface walkways, stairways, utilities, bridge loading, design methods, retaining walls, site distances, landscape design, and other project elements or special considerations as applicable and/or deemed necessary by the County.
  - Reference specifications based on overall goal of using sustainable and resilient materials that can be efficiently maintained and/or replaced.
  - Include reference information criteria, project commitments, and specific requirements from the NEPA and Section 106 Phase.
  - Assume four (4) BOD submissions as follows:
    - Draft 1 for internal team review (Arlington County and VDOT only)
    - Draft 2 for internal team, external agencies, and stakeholder review
    - Draft 3 for internal team back-check review
    - Final 30% BOD

  <u>Deliverables</u>
  - An approved 30% Basis of Design Report

- **Task 3.2 15% Design Submission** – the purpose of this task is to quickly advance from the NEPA phase concepts to an approximate 15% design proof of concept that is constructible given the project constraints and updates the footprint and limits of disturbance of the Project to identify ROW needs while confirming overall design approach with the County and major stakeholders while completing the necessary Section 106 Design Review process

prior to advancing 30% design details. It is critical that these key agency inputs be obtained prior to advancing to a full 30% design level of effort and potentially risking re-design efforts that can be avoided.

The 15% design shall include two (2) submittals as follows:

- Draft 1 for internal team review (Arlington County and VDOT only)
- Draft 2 for internal team, external agencies, and stakeholder review (including the Section 106 Design Review process outlined below)

Design Review - As part of the completion of the Environmental Assessment (EA), the County and VDOT worked with their partner agencies to ensure compliance with its obligations under the National Environmental Policy Act (NEPA). Concurrent with the NEPA process, the Lead Agencies facilitated public and agency participation and coordination in compliance with Section 4(f) of the USDOT Act of 1966 and Section 106 of the National Historic Preservation Act of 1966 (NHPA). As part of this consultation, the Lead Agencies are anticipated to agree to a Design Review process for aspects of the project that introduce new structures and elements in historic districts. The Design Review process and parties to be involved will be clearly documented in the Project's Section 106 Programmatic Agreement. The Consultant shall work with the County to implement the Design Review process using the above 15% Design Package consistent with the Section 106 Programmatic Agreement and in compliance with the necessary permitting processes.

Comments received on above second draft of the 15% design will be incorporated directly into the first 30% design submission to follow.

- **Task 3.3 30% Design Submission** – the 30% design shall include four (4) submittals as follows:
  - Draft 1 for internal team review (Arlington County and VDOT only)
  - Draft 2 for internal team, external agencies, and stakeholder review
  - Draft 3 for internal team back-check review (Arlington County and VDOT only)
  - Final 30% design submission

  The Consultant is also responsible for providing the County with written comment responses following each submittal review period.

  Design waivers may be pursued in certain cases to achieve context-appropriate design solutions with concurrence of Arlington County. Furthermore, the Consultant should ensure that the design aligns with Arlington County's approach to Urban Design.

  The development of the 30% design packages will be used to inform the Task 4.5 Cost Estimating and Task 4.6 Permitting & Approvals Strategy as defined below.

  Deliverables

  - An approved set of 30% design plans (PDF or 36'x24' hardcopy)
  - Project CADD Files
  - All approved design waivers and exceptions are required for design
  - Written responses to Arlington County, VDOT, and external agency design review comments for all draft design plan packages

  Task 3.3 will incorporate the following discipline-specific design services:

- **Task 3.3.1 Architectural Design -** The Consultant shall perform the following tasks:
  - Progress architectural drawings, specifications, and digital graphics depicting proposed color palette and materials to the 30% level of completion.
  - The design as presented in the NEPA preferred alternative concept will proceed largely as depicted and all major scope elements will remain unchanged.
  - Prepare up to ten (10) renderings, six (6) cross sections, one (1) set of archite ctural plans, and twelve (12) other sketches or details for public and stakeholder engagement meetings and incorporation into final 30% plans. It is assumed there will be two (2) drafts for review and then one final submission of each for 30% design.
  - Documentation and design for certification by a sustainable rating system such as Envision
  - Lighting design and calculations.
  - Fixtures, furniture, and equipment design for incorporation into the plans.

- **Task 3.3.2 Bicycle and Pedestrian Facilities -** The Consultant shall complete Bicycle and Pedestrian design services consistent with the NEPA commitments, Section 106 Programmatic Agreement, and consider the the following:
  - AASHTO Guide for the Development of Bicycle Facilities
  - AASHTO, A Policy on Geometric Design of Highways and Streets
  - National Association of City Transportation Officials (NACTO) Urban Bikeway Design Guide
  - NPS Active Transportation Guidebook
  - VDOT Manual of the Structure and Bridge Division
  - VDOT Road and Bridge Specifications
  - Arlington County Design guidance documents

- Other considerations should include the Arlington Master Transportation Plan, as well as the interconnectivity with existing trails in the vicinity, including but not limited to, Mt. Vernon Trail.

- **Task 3.3.3 Structural Design -** The Consultant will advance the concept designs for the various structural elements for the bridge, ramps, and retaining walls completed during the NEPA Phase to a Preliminary Engineering level (30% design). The design will rely on the technical criteria established in the above Basis of Design Report task and Concepts developed during NEPA Phase as the starting point for the Preliminary Engineering through the use of the applicable codes, technical criteria, specifications, standards, and agreements provided by the County.

  The structural design will consider the following publications:

  - AREMA Manual for Railway Engineering, dated April 2018
  - AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017
  - AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges, dated December 2009
  - CSXT Design & Construction Standard Specifications
  - Washington Metropolitan Area Transit Authority (WMATA) Adjacent

Construction Project Manual, dated September 2015
- NPS Structural Engineering Standards
- Americans with Disabilities Act (ADA) Standards for Accessible Design
- Loads resulting from proposed bridge will be designed to not impart additional loads on existing structures that are adjacent to the proposed project.
- Live loads for bike-pedestrian bridges will consider both pedestrian live loads and emergency and maintenance vehicular access.

- **Task 3.3.4 Stormwater Management/Erosion and Sediment Control** - Proper drainage from railroad, roadways, and bridges is critical to providing safe conditions and maintaining transportation infrastructure. The Consultant shall adequately design drainage and stormwater management facilities to a 30% design level to adequately convey design flows while meeting the needs of multimodal transportation users. All designs shall consider the NEPA commitments, Section 106 Programmatic Agreement, environmental concerns, floodplain impacts, erosion and sediment control measures, and the protection of structures.

  All current federal, state, and local regulations pertinent to the design of drainage and stormwater management shall be adhered to. If differences exist between the above-stated regulations, the more stringent of the regulations shall apply.

  The Consultant also shall prepare 30% design Soil Erosion and Sediment Control Plans showing the site's existing topography, indicating how it will be altered, identifying the anticipated control measures that will need to be installed. All erosion and sediment control measures shall be consistent with the requirements of the NEPA Phase commitments and follow the Virginia Department of Environmental Quality Erosion and Sediment Control Handbook.

- **Task 3.3.5 Landscape Architecture -** The Consultant shall develop landscaping plans where temporary and permanent impacts are anticipated that meet the requirements of the NEPA commitments and the Section 106 Programmatic Agreement. These plans shall include, but are not limited to:

  - Appropriate measures to protect mature trees along the limits of disturbance
  - Mitigation measures such as planting of trees or other vegetation to offset permanent impacts to existing vegetation buffers in coordination with NPS and other property owners
  - Screen fencing and planting around staging areas
  - Plan and section views for NPS and Design review submissions
  - Landscaping plans shall incorporate any relevant drainage and stormwater management designs, such as BMP and revegetation to mitigate erosion and project impacts
  - Species list for planting will be consolidated and presented for approval by appropriate agencies for each entity’s jurisdictional location along Project
  - Existing tree and shrub location and quality base data will be obtained by a tree survey conducted by Consultant through use of a licensed arborist. The data sets to be collected will include information about up to 1,500 tree and shrub locations, size, age, species, general health, canopy size, and any noticeable damage or disease. The Consultant tree survey will also note if a tree has experienced storm damage or is susceptible to disease.

- **Task 3.3.6 Maintenance of Traffic -** Temporary vehicular and trail shoulder and lane closures as well as temporary detours may be required for soil borings, survey, and Subsurface Utility Engineering (SUE) data collection activities as well as future project construction operations. It is anticipated that the proposed 30% design efforts will include the following areas:

  - George Washington Memorial Parkway
  - Mount Vernon Trail
  - Airport Access Road
  - Airport Parking Garage

  The Consultant shall develop an appropriate level of maintenance of traffic (MOT) plans consistent with the NEPA commitments and the Section 106 Programmatic Agreement as part of this task. Standard maintenance of traffic and detour design will be primarily based upon procedures outlined in the following:

  - Manual on Uniform Traffic Control Devices (MUTCD)
  - The Virginia Work Area Protection Manual
  - NPS traffic control design guidance
  - VDOT traffic control design guidance
  - Arlington County traffic control design guidance

  It is anticipated that each impacted agency will require coordination meetings with traffic operations staff to discuss the development of maintenance of traffic plans and permits to satisfy differing jurisdictional requirements. Where MOT and/or construction phasing work extend into multiple jurisdictions, collaborative sessions with the jurisdictions will be held to discuss and determine an acceptable course of action for preliminary engineering data collection and future construction permit and approval needs.

  The development of MOT plans and/or construction staging plans will include plan views developed at a scale of 1” = 20’ and will depict the traffic control as follows:

  - 100% complete plans for data collection and field work related to geotechnical borings, survey, and SUE for execution during the development of the 30% preliminary design phase. Coordination and permit approvals will be secured for these activities.
  - It is assumed that there are approximately 12 data collection operations for geotechnical boring, survey, and SUE needs that will require plans that depict various work zones for temporary access. It is anticipated that the development of MOT plan sets will consist of mobile work zones, simple shoulder closures, and potential lane closures.
  - 30% development plans will depict the intent of traffic control for the construction of the project as well. These plans may include shoulder and lane closures, lane shifts, detours for vehicular, pedestrian, and bicycle traffic that will be implemented for significant durations. These plans will include preliminary plans and notes that may cover lane use, work zone areas, and traffic control devices sufficiently for a 30% review. Proposed MOT signage will not be depicted on these plans. No plans will be developed for daily operations where temporary traffic control is deployed and picked up at the beginning and ending of the day’s construction operation.

- The Consultant will define the required parameters for reasonable construction-phase MOT traffic operations relying primarily on available data resources, qualitative assessments of MOT options, and coordination with reviewing agency staff and will summarize the intent of and potential alternatives for MOT options in narrative format for use in bidding documents to aid detailed analysis by the future final design team. Traffic data collection for MOT plan development will include the following:
  - Available pre-pandemic daily and peak hour traffic count data available from VDOT, Arlington County, MWAA, NPS, or other local transportation agencies
  - Publicly/freely available traffic probe data (e.g., INRIX) for use developing estimates or forecasts of traffic flows and distributions
  - New traffic counts at approximately 8 automatic traffic recorder (2-day ATR) and 5 turning movement locations (6-hour time period), as necessary, primarily to determine trip distributions, such as at highway ramps
  - Pedestrian and bicycle counts for a 6-hour time period at 2-4 locations
  - Site visits to observe traffic patterns, pedestrian routes, and critical considerations for temporarily modifying roadway geometry, lane assignments, or pedestrian accessibility
- Short-term temporary lane closures to conduct soil borings on or near roadways are assumed to require largely perfunctory agency permit approval, with traffic operational data limited primarily to reporting daily or peak traffic volume flows. The Consultant shall assume detailed traffic analysis is not required for these 30% design data collection activities.
- Construction-phase MOT will be evaluated based on traffic engineering judgement and interpretation of available data to define MOT requirements and parameters in the following locations (including coordination with identified reviewing agencies)
- Traffic analysis will be focused on critical locations to support data collection activities and construction-phase MOT plan development:
- VHB assumes traffic analysis will be performed at up to 6 locations (including potential lane closures, highway/freeway ramps, and/or intersections)

- **Task 3.3.7 Utility Design -** The Consultant shall be responsible for the preliminary design of water and sanitary sewer utility relocation and the preparation of preliminary Utility Relocation Plans to the 30% design level.

  Proposed relocations of water and/ or sanitary sewer facilities shall be designed in accordance with the utility owner's requirements and standards. The approximate horizontal location of proposed water and sanitary sewer lines shall be coordinated with the utility owner during the above utility survey efforts.

  Approximate easements required and preliminary horizontal alignments for water or sanitary sewer shall be shown on the preliminary Utility Relocation Plans. All utility information obtained through subsurface utility locating shall be shown on the preliminary Utility Relocation Plans.

  The Consultant is responsible for coordinating the potential relocation or avoidance of all utilities other than water and sanitary sewer directly with utility owners.

The Consultant shall develop a matrix of potential impacts to all utilities in order to determine a preliminary cost and impacts to construction schedule and shall research and determine if there are any prior rights for Private Utilities that mpact determination of relocation processes or responsibilities.

- **Task 3.3.8 Technical Specifications -** As part of each design submission, the Consultant shall submit a matrix list of anticipated Technical Specifications needed for the project and indicate whether existing specifications can be used as-is or will required modification to be applicable to the project. The preparation of actual specifications will be completed under Task 6.0 below.

- **Task 3.3.9 Geotechnical Engineering:** The Consultant shall be responsible for conducting geotechnical engineering services consistent with the work defined as part of the initial NEPA tasks under this contract as per Exhibit A, however additional project management, stakeholder coordination, and preliminary structural design is included under the tasks outlined in this SOW.

Task 4. Supplementary Engineering Reports, Analyses and Documentation

- **Task 4.1 Risk Management (RM):** The Consultant shall perform a RM exercise and submit a RM report as follows:

  - After the Draft 1 Design submittal has been completed, the Consultant shall prepare an initial RM worksheet using the VDOT RM Worksheet (RiskManagementWorksheet.xls (live.com)).

  - The Consultant will perform a qualitative analysis to:

    - Identify and assess potential risks
    - Identify the entity responsible for each risk
    - Identify parties other than the risk owner that are affected by each risk, and
    - Evaluate each risk based on probability and severity.

  - The Consultant shall incorporate elements from the risk assessment into the design deliverables, where applicable.
  - The Consultant shall provide quarterly updates to the RM worksheet as design progresses and will submit to County for review at each update.
  - Prior to the completion of PE, the Consultant will hold a formal Risk Workshop including key Project staff, County, and major stakeholders. The Workshop shall be used to determine the required amount of cost and schedule contingency necessary at this level of design and the Consultant will apply the risk contingency to the Construction Cost Estimate and the Construction Schedule. It is anticipated that the workshop will consist of a full day duration. Costs included with this scope item include efforts for preparation of workshop materials and post workshop analysis of contingencies.
  - The Consultant will issue a Final Risk Management Report including updated risk register, narrative description of major cost and schedule risks, and recommended contingencies for use in development of 30% cost and schedule estimates.

- **Task 4.2 Value Engineering:** The Consultant shall perform a Value Engineering (VE) exercise and submit the findings and recommendations in a VE report. This task shall be in accordance with the VDOT Value Engineering Program Administration Manual linked here:

    - https://www.virginiadot.org/business/resources/const/VE_AdminManual.pdf.

  Arlington County solely retains the decision- making authority on this project for approving and rejecting the VE recommendations.

- **Task 4.3 Constructability Review:** The Consultant shall conduct a thorough constructability review and document constructability comments. The designer shall provide responses to the constructability comments. Assume two (2) constructability review meetings held during the 30% design process (assume 90 minutes duration each).

- **Task 4.4 Quality Assurance and Quality Control Plan:** The Consultant shall prepare a Quality Assurance and Quality Control (QA/QC) plan. Each 30% design plan submittal shall be accompanied by a completed VDOT LD-436 Quality Control Checklist

    - http://vdotforms.vdot.virginia.gov/SearchResults.aspx?strFormNumber=LD-436

- **Task 4.5 Cost Estimating:** The Consultant shall prepare detailed, itemized Project Cost Estimate reflecting all anticipated administration, design, and construction costs after the PE Phase to completion of Construction Phase. Costs will be based upon estimated current market prices with appropriate contingencies and escalation factors with the assumption that the project is delivered by a design-builder (PDF and MS Excel format). This estimate should be updated on a biannual basis.

- **Task 4.6 Preliminary Engineering Data Collection Permitting:** The Consultant will complete all required access permitting for 30% design fieldwork for survey, utility locating, soil borings, utility test pits, and engineering field visits.

- **Task 4.7 Permitting & Approvals Strategy:** The Consultant will develop a draft and final Permitting & Approvals Strategy Report that documents all anticipated project permitting, including all NEPA and Section 106 Programmatic Agreement commitments, along with required agency or property owner approvals needed through final design and construction. This task shall also include identifying any activities that the County may be able to advance early to eliminate, minimize, or mitigate cost and schedule risks during the alternative delivery phase.

- **Task 4.8 Milestone Project Schedule:** The Consultant shall develop a milestone schedule for the full design and construction of the Project in a Microsoft Project Critical Path Method file format with a narrative of schedule assumptions. The Consultant shall submit an updated construction schedule at the Draft 2 15%, Draft 2 30%, and Final 30% design submittals.

- **Task 4.9 Project Delivery Method:** The Consultant shall analyze the available project delivery alternatives (design-bid-build, design-build, construction manager/general contractor, etc.) and provide technical memorandum with comparison of each delivery method with recommendation for preferred option to the County as well as recommendations for the larger implementation and approach to coordination with adjacent projects. This task includes two designated project delivery meetings as well as two drafts of the memorandum for County review and one final submission with agreed-upon recommendations.

Deliverables

- An approved Risk Register and Risk Management report
- An approved Value Engineering study
- A constructability review report/technical memorandum
- A Quality Assurance and Quality Control Plan
- A detailed, itemized Construction Cost Estimate reflecting current market prices with the assumption that the project is delivered by a design-builder;(PDF and MS Excel format)
- Preliminary Engineering Data Collection Permitting completion
- Permitting & Approvals Strategy
- A milestone project schedule reflecting a construction manager at-risk or design-build project delivery. The schedule should also include a suggested sequence of construction and durations for each.

Task 5. Public Engagement

The Consultant shall exhibit (color rendering) plan, organize, and execute two (2) hybrid (in-person and virtual) public meetings during the 30% design, one at completion of 15% design package stakeholder review and one midway through completion of 30% design package such that each opportunity for public input will help inform the 30% design process. The meetings will explain the proposed design, seek feedback on it, and provide an update to the community on the overall project timeline.

The Consultant shall also plan, organize, and execute two hybrid (in-person and virtual) stakeholder group meetings which are timed to be help at least 30 days prior to each public review period such that major stakeholder input can be incorporated into public engagement updates as appropriate.

Furthermore, The Consultant shall document and gather public comments received during each meeting and share how inputs influenced the project design.

Public engagement efforts shall be consistent with those requests mentioned in Section 8 Public and Stakeholder Outreach of the original RFP.

OPTIONAL SERVICES

The County may elect to execute the following optional services after the Draft 2 30% Design Package submittal and after the preferred method of final design and construction procurement is identified, which is likely to be design-build, progressive design-build, or construction manager at-risk. Each of the procurement methods will require a different strategy and level of effort for the completion of Task 6 below. Therefore, once the delivery method is finalized and the County elects to move forward with these Optional services, the Consultant will be asked to prepare a proposal for these services in time to ensure a NTP is provided a minimum of 6 months prior to the need to start these services.

Task 6. Bid Documentation Preparation and Procurement Services

Following approval of the 30% design plans and upon a formal written notification by the County to start the work described herein below, The Consultant shall perform work associated with bid document preparation and procurement services to assist in the advertisement of the project for a potential alternative delivery method, mainly a Construction Manager At Risk

(CMAR) or Design-Build delivery.

- **Task 6.1 Requests for Qualifications (RFQs) & Request for Proposal (RFPs) Solicitation:** The Consultant shall **a**ssist the County in the preparation of the Requests for Qualifications (RFQs) and Request for Proposals (RFPs) for the solicitation of a Design-Build Contractor or Construction Manager at Risk (CMAR) procurement method. This task should also include assistance with responding to questions and request for clarifications that may arise during the various bidding processes.

  During the RFQ and RFP processes The Consultant shall also assist the County in the preparation of Addenda to the RFQ and RFP. These are revisions to the bid documents while the advertisement period is still open to address errors, add/remove bid items, minor revisions to design drawings, and/or providing more clarification; and

- **Task 6.2 Technical Specifications:** The Consultant shall assist the County in the preparation of technical construction specifications, which are supplemental specifications for bid items that lack a corresponding standard County and/or VDOT standard specification, including any special provisions.

- **Task 6.3 Pre – Proposal Conference:** The Consultant shall attend pre-proposal meetings with potential offerors ahead of the RFQ and RFP processes as well as Technical Presentations by the design-build teams. The Consultant shall assume ten (10) meetings total – 90 minutes each. The Consultant shall assist in the preparation and delivery of the pre-proposal presentation during these meetings as well as follow-up meeting notes and response to bidder questions.

- **Task 6.4 Bid Analyses and Selection:** The Consultant shall assist county staff in the analysis and selection of a potential design -builder or Construction Manager at Risk.