

RESOLUTION NO. 2022 - 373

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO EXECUTE CHANGE ORDER NO: 01 TO THE PRELIMINARY DESIGN-BUILD AGREEMENT WITH SUPERIOR CONSTRUCTION COMPANY SOUTHEAST, LLC UNDER RFQ NO: 22-13 DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD.

RECITALS

WHEREAS, the CR-210 widening from Greenbriar Road to Cimarrone Blvd project consists of design, permitting, and construction of improvements on CR-210 from Greenbriar Road to Cimarrone Blvd, approximately 2.3 miles, within existing County Right-of-Way, in accordance with RFQ No. 22-13; and

WHEREAS, on April 19, 2022 the Board of County Commissioners of St. Johns County approved negotiation and execution of a Preliminary Design-Build Agreement with SUPERIOR Construction Company Southeast, LLC for the design and submittal of a Guaranteed Maximum Price Proposal for the Secondary Agreement, for the CR-210 widening project; and

WHEREAS, the County negotiated and executed a Preliminary Agreement with SUPERIOR Construction Company Southeast, LLC for design and other services related to Early Works including coordination of all required utility relocations, clearing and grubbing of agreed upon project area(s), mobilization, MOT, and erosion maintenance, with intent to issue a Change Order for the remaining design services, in order to expedite commencement of the Work, while continuing negotiations on the remaining services to serve the best interest of the County; and

WHEREAS, through the County's negotiation process, agreement was reached for the remaining design activities and Change Order No: 01 is presented for approval; and

WHEREAS, the County finds that executing a Change Order to the Preliminary Design-Build Agreement serves a public purpose; and

WHEREAS, the project will be funded by the SJC Public Works Department.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, as follows:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as finds of fact.

Section 2. The County Administrator, or designee, is hereby authorized to execute Change Order No: 01 to the Preliminary Design-Build Agreement with SUPERIOR Construction Company Southeast, LLC, to provide the remaining design services at the cost of \$2,143,646.33.

Section 3. To the extent that there are typographical and/or administrative errors that do not change the tone, tenor, or concept of this Resolution, then this Resolution may be revised without subsequent approval by the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, on this 4th day of October, 2022.

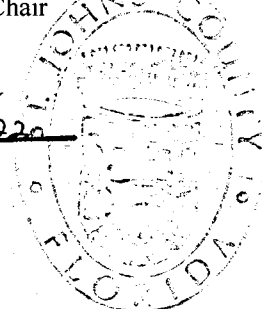
BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA

By: Henry Dean
Henry Dean, Chair

ATTEST: Brandon J. Patty,
Clerk of the Circuit Court & Comptroller

By: Pam Halterman
Deputy Clerk

Rendition Date 10/4/22



Design-Build Change Order Form

Document No. 500-D2

Second Edition, 2010

© Design-Build Institute of America
Washington, D.C.





Design-Build Change Order Form

For Use with DBIA Document No. 525, *Standard Form of Agreement Between Owner and Design-Builder – Lump Sum* (2010 Edition) and DBIA Document No. 530, *Standard Form of Agreement Between Owner and Design-Builder – Cost Plus Fee with an Option for A Guaranteed Maximum Price* (2010 Edition)

Change Order Number: 01	Change Order Effective Date: (date when executed by both parties)
Project: Design-Build Services for CR-210 Widening from Greenbriar Road to Cimarrone Boulevard	Design-Build Firm's Project No:
	Date of Agreement: July 19, 2022
Owner: St. Johns County, FL	Design-Build Firm: SUPERIOR Construction Company Southeast, LLC

Scope of the Change: Addition of complete design services for development of the GMP Proposal, as provided in the Design-Build Firm's proposal dated August 31, 2022, which were previously excluded from the Preliminary Agreement to facilitate expedited commencement of services related to Early Works.

Original Contract Price:	\$ 1,063,386.26
Net Change by Previous Change Order No(s) to:	\$ 0.00
This Change Order Increase/Decrease (attach breakdown):	\$ 2,143,646.33
New Contract Price:	\$ 3,207,032.59

Original Contract Completion Date:	February 15 2023
Adjustments by Change Order No(s) to:	0 (calendar days)
This Change Order Contract Time Increase/Decrease:	0 (calendar days)
Revised Completion Date:	February 15 2023

By executing this Change Order, Owner and Design-Build Firm agree to modify the Agreement's Scope of Work, Contract Price and Contract Time as stated above. Upon execution, this Change Order becomes a Contract Document issued in accordance with DBIA Document No. 535, *Standard Form of General Conditions of Contract Between Owner and Design-Build Firm*, (2010 Edition).

OWNER: St. Johns County, FL

DESIGN-BUILDER: SUPERIOR Construction Company SE, LLC

By: _____
Printed Name: Jaime Locklear
Title: Asst. Director, Purchasing & Contracts
Date: _____

By: _____
Printed Name: _____
Title: _____
Date: _____

Superior Construction Company SE, LLC

7072 Business Park Blvd
 Jacksonville, FL 32256
 USA

Phone: 904-292-4240
 Fax: 904-292-2682

"SUPERIOR in Service, Quality, and Safety Since 1938!"

To: St. Johns County	Contact:
Address: St. Augustine, FL	Phone:
	Fax:
Project Name: St Johns County - CR 210 Widening Phase I Finish	Bid Number:
Project Location:	Bid Date: 8/4/2022
Addendum #: 8	

Item Description	Estimated Quantity	Unit	Unit Price	Total Price
CR-210 Widening Design	1.00	LS	\$1,936,293.68	\$1,936,293.68
SUPERIOR - Project Management	7.00	MO	\$23,082.89	\$161,580.23
Bond	1.00	LS	\$10,533.86	\$10,533.86
Insurances	1.00	LS	\$35,238.56	\$35,238.56

Total Bid Price: \$2,143,646.33

Notes:

- Certified Payroll will be provided if required by Owner.
- 5 days / week

Payment Terms:

Payment due within 30 days of date of invoice, regardless of when payment is made by Owner

<p>ACCEPTED: The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p>Buyer: _____</p> <p>Signature: _____</p> <p>Date of Acceptance: _____</p>	<p>CONFIRMED: Superior Construction Company SE, LLC</p> <p>Authorized Signature: _____</p> <p>Estimator: Jeremy Andrews (904) 292-4240 JAndrews@superiorconstruction.com</p>
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Project Activity 3: General Tasks

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Osiris 9		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	Newsletter notification
3.1.3	Preparing Mailing Lists	LS	1	8	8	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	40	40	2 project boards and 2 copies
3.1.10	Public Meeting Attendance/Followup	LS	1	64	64	4 staff X 6 hours + Virtual Meeting option (40 hours)
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
3.1 Public Involvement Subtotal					112	
3.2	Joint Project Agreements	EA	1	0	0	
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	24	24	
3.3.2	Estimated Quantities Report Preparation	LS	1	0	0	
3.4	Contract Maintenance and Project Documentation	LS	1	204	204	24 hours initial setup and 6 hours per month for 30 months
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	199	199	See listing below
3.7	Plans Update	LS	1	0	0	

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	16	16	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.11.1	Aeronautical Evaluation	LS	1	0	0	
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1		0	
3. Project Common and Project General Tasks Total					555	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	3	3	9	
Drainage	EA	4	2	8	
Utilities	EA	12	2	24	
Environmental	EA	2	3	6	
Structures	EA	0	2	0	
Signing & Pavement Marking	EA	0	2	0	
Signalization	EA	6	2	12	
Lighting	EA	5	2	10	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LIDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	3	2	6	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	52	2	104	Every 1 week during design (12 months)
Phase Reviews	EA	2	2	4	
Field Reviews	EA	8	2	16	
Total Project Manager Meetings		97		199	Total PM Meeting Hours carries to Task 3.6 above

Notes:

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

Project Activity 4: Roadway Analysis

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Osiris 9		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	2 Mainline typicals, 1 M&R Typical, 3 details - Hours Included in plans
4.2	Pavement Type Selection Report	LS	1	0	0	NA
4.3	Pavement Design Package	LS	1	4	4	Submittal to SJC
4.4	Cross-Slope Correction	LS	1	0	0	NA
4.5	Horizontal /Vertical Master Design Files	LS	1	625	625	2.5 milesX 300 hours per mile - 25% reduction due to previous project work
4.6	Access Management	LS	1	25	25	reevaluate based on new design 10 hrs / mile
4.7	Roundabout Evaluation	LS	1	0	0	NA
4.8	Roundabout Final Design Analysis	LS	1	0	0	NA
4.9	Cross Section Design Files	LS	1	0	0	Under 3D Design
4.10	Temporary Traffic Control Plan Analysis	LS	1	250	250	
4.11	Master TTCP Design Files	LS	1	160	160	
4.12a	Selective Clearing and Grubbing of Existing VegetationField Assessment	LS	1	0	0	Included in EW
4.12b	Selective Clearing and Grubbing Site Inventory of Existing Vegetation and Cross-Discipline Coordination (OPTIONAL SERVICES)	LS	1	0	0	NA
4.12c	Selective Clearing and Grubbing- Existing Vegetation Maintenance Report	LS	1	0	0	NA
4.13	Tree Disposition Plan	LS	1	0	0	NA
4.14	Design Variations and Exceptions	LS	1	0	0	NA
4.15	Design Report	LS	1	40	40	
4.16	Quantities for EQ Report	LS	1	16	16	
4.17	Cost Estimate	LS	1	0	0	NA
4.18	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
4.19	Other Roadway Analyses	LS	1	0	0	

Project Activity 4: Roadway Analysis

Task No.	Task	Units	No. of Units	Hours/ Unit	Total Hours	Comments
4.19a	Other Roadway Analyses	LS	1	0	0	
Roadway Analysis Technical Subtotal					1120	

Project Activity 4: Roadway Analysis

Task No.	Task	Units	No. of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	48	48	2staff X4 trips X6 hours
4.21	Monitor Existing Structures	LS	1	0	0	
4.22	Technical Meetings	LS	1	42	42	Meetings are listed below
4.23	Quality Assurance/Quality Control	LS	%	7%	78	
4.24	Independent Peer Review	LS	%	0%	0	
4.25	Supervision	LS	%	5%	56	
Roadway Analysis Nontechnical Subtotal					224	
4.26	Coordination	LS	%	3%	40	
4. Roadway Analysis Total					1384	

Technical Meetings	Units	No. of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number	
Typical Section	EA	0	0	0			0	
Pavement	EA	0	0	0			0	
Access Management	EA	0	0	0			0	
15% Line and Grade	EA	0	0	0			0	
Driveways	EA	0	0	0			0	
Local Governments (cities, counties, MPO)	EA	6	3	18	SJC Meetings	yes	3	
Work Zone Traffic Control	EA	0	0	0			0	
30/60/90/100% Comment Review Meetings	EA	0	0	0			0	
Other Meetings	EA	12	2	24	Monthly Progress Meetings (1 roadway staff)	no	0	
Subtotal Technical Meetings				42			Subtotal Project Manager Meetings	3
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		--	
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--	
Total Meetings				42	Total Project Manager Meetings (carries to Tab 3)		3	

Carries to 4.22

Carries to Tab 3

Project Activity 5: Roadway Plans

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	4	4	
5.2	Typical Section Sheets						
5.2.1	Typical Sections		EA	3	6	18	
5.2.2	Typical Section Details		EA	3	6	18	
5.3	General Notes/Pay Item Notes		Sheet	1	4	4	
5.4	Project Layout		Sheet	2	10	20	Includes Cross Section Pattern Lines & projet control
5.5	Plan/Profile Sheet		Sheet	0	0	0	NA
5.6	Profile Sheet		Sheet	22	4	88	
5.7	Plan Sheet		Sheet	22	4	88	
5.8	Special Profile		Sheet	31	4	124	23 driveway connections and 8 curb return profiles
5.9	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	NA
5.10	Interchange Layout Sheet		Sheet	0	0	0	NA
5.11	Ramp Terminal Details (Plan View)		Sheet	0	0	0	NA
5.12	Intersection Layout Details		Sheet	0	0	0	NA
5.13	Special Details		EA	0	0	0	
5.14	Cross-Section Pattern Sheets		Sheet	0	0	0	NA
5.15	Roadway Soil Survey Sheets		Sheet	0	0	0	
5.16	Cross Sections		EA	0	0	0	Included in 3D
5.17	Temporary Traffic Control Plan Sheets		Sheet	46	6	276	2 major phases

Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/Unit or Sheet	Total Hours	Comments
5.18	Temporary Traffic Control Cross Section Sheets		EA	100	1	100	50 Key Locations X 2 Phases
5.19	Temporary Traffic Control Detail Sheets		Sheet	4	12	48	4 Cross over sheets & 2 phases
5.20	Utility Adjustment Sheets		Sheet	23	10	230	SUE information included
5.21	Selective Clearing and Grubbing Sheets						
5.21.1	Selective Clearing and Grubbing		Sheet	0	0	0	Included in EW
5.21.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	Included in EW
5.22	Tree Disposition Sheets						
5.22.1	Tree Disposition Plan Sheets		Sheet	0	0	0	NA
5.22.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	NA
5.23	Project Control Sheets		Sheet	0	0	0	NA
5.24	Environmental Detail Sheets		Sheet	4	6	24	Updated wetland impact sheets
5.25	Utility Verification Sheets (SUE Data)		Sheet	0	0	0	Included in Utility Adjustment Sheets
Roadway Plans Technical Subtotal						1042	
5.26	Quality Assurance/Quality Control		LS	%	7%	73	
5.27	Supervision		LS	%	5%	52	
5. Roadway Plans Total						1167	

Project Activity 6a: Drainage Analysis

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Osiris 9		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	4	14	56	4 hours to update existing drainage, 24 hours for post development = 14 hrs average
6a.2	Base Clearance Calculations	Per Location	4	16	64	4 key locations
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	NA
6a.4	Design of Cross Drains	EA	1	6	6	
6a.5	Design of Ditches	Per Ditch Mile	4	15	60	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	2	40	80	
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	NA
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	NA
6a.9	Design of Storm Drains	EA	150	2	300	
6a.10	Optional Culvert Material	EA	0	0	0	NA
6a.11	French Drain Systems	Per Cell	0	0	0	NA
6a.11.1	Existing French Drain Systems	Per Cell	0	0	0	NA
6a.12	Drainage Wells	EA	0	0	0	NA
6a.13	Drainage Design Documentation Report	LS	1	40	40	Calculations for WMD and SJC
6a.14	Bridge Hydraulic Report	EA	1	60	60	Update BHR

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	40	40	
6a.16	Quantities for EQ Report	LS	1	0	0	
6a.17	Cost Estimate	LS	1	0	0	
6a.18	Technical Special Provisions / Modified Special Provisions	LS	1	0	0	
6a.19	Hydroplaning Analysis	LS	1	0	0	
6a.20	Existing Permit Analysis	LS	1	0	0	
6a.21	Other Drainage Analysis	LS	1	0	0	
6a.22	Noise Barrier Evaluation	LS	1	0	0	
Drainage Analysis Technical Subtotal					706	
6a.23	Field Reviews	LS	1	32	32	2staff X4 trips X4 hours
6a.24	Technical Meetings	LS	1	32	32	Meetings are listed below
6a.25	Environmental Look-Around (ELA) Meeting	LS	1	0	0	NA
6a.26	Quality Assurance/Quality Control	LS	%	7%	49	
6a.27	Independent Peer Review	LS	%	0%	0	
6a.28	Supervision	LS	%	5%	35	
Drainage Analysis Nontechnical Subtotal					148	
6a.29	Coordination	LS	%	3%	26	
6a. Drainage Analysis Total					880	

Technical Meetings	Units	No. of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0			0
Pond Sitting	EA	0	0	0			0
Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	4	2	8		yes	4
FDOT Drainage	EA	0	0	0			0
Other Meetings	EA	12	2	24	Monthly Progress Meetings (1 roadway staff)		0
Subtotal Technical Meetings				32			4
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				32	Total Project Manager Meetings (carries to Tab 3)		4

Carries to 6a.24

Carries to Tab 3

6b. Drainage Plans

Estimator:

CR 210 widening - Design-Build Project
N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
6b.1	Drainage Map (Including Interchanges)		Sheet	4	18	72	4 hours to update existing drainage, 32 hours for post development = 18 hrs average
6b.2	Bridge Hydraulics Recommendation Sheets		Sheet	1	16	16	Update with new bridge
6b.3	Drainage Structures		LS	1	300	300	2 hours each for plans and 3D
6b.4	Lateral Ditch Plan/Profile		Sheet	0	0	0	
6b.5	Lateral Ditch Cross Sections		EA	0	0	0	
6b.6	Retention/Detention Ponds Detail Sheets		Sheet	2	24	48	Update geometry sheets
6b.7	Retention Pond Cross Sections		EA	24	1	24	
6b.8	Erosion Control Plan Sheets		Sheet	0	0	0	Included in EW Clearing and grubbing
6b.9	SWPPP Sheets		Sheet	4	2	8	Update sheets
Drainage Plans Technical Subtotal						468	
6b.10	Quality Assurance/Quality Control		LS	%	7%	33	
6b.11	Supervision		LS	%	5%	23	
6. Drainage Plans Total						624	

Project Activity 7: Utilities

Estimator:

CR 210 widening - Design-Build Project
N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	2	2	Meeting is listed below
7.2	Identify Existing Utility Agency Owner(s)	LS	1	0	0	
7.3	Make Utility Contacts	LS	1	0	0	
7.4	Exception Processing	LS	1	0	0	
7.5	Preliminary Utility Meeting	LS	1	0	0	Meeting is listed below
7.6	Individual/Field Meetings	LS	1	10	10	Meetings are listed below
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	16	16	
7.8	Subordination of Easements Coordination	LS	1	0	0	
7.9	Utility Design Meeting	LS	1	8	8	Meeting is listed below
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	0	0	
7.11	Utility Coordination/Followup	LS	1	0	0	
7.12	Utility Constructability Review	LS	1	8	8	
7.13	Additional Utility Services	LS	1	0	0	
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	
7.15	Contract Plans to UAO(s)	LS	1	0	0	
7.16	Certification/Close-Out	LS	1	0	0	
7.17	Other Utilities	LS	1	0	0	
7. Utilities Total					56	

Project Activity 7: Utilities

Technical Meetings	Units	No. of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	1	2	2		yes	1
Preliminary Meeting (see 7.5)	EA	0	0	0			0
Individual UAO Meetings (see 7.6)	EA	0	0	0			0
Field Meetings (see 7.6)	EA	5	2	10		yes	5
Design Meeting (see 7.9)	EA	4	2	8			0
Other Meetings (this is automatically added into Utilities Total (cell F27))	EA	6	2	12		yes	6
Total Meetings				32		Total Project Manager Meetings (carries to Tab 3)	12

Carries to Tab 3

Project Activity 8: Environmental Permits

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Environmental Permits and Environmental Clearances						
8.1	Preliminary Project Research	LS	1	0	0	
Permits						
8.2	Field Work					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	0	0	
8.2.3	Species Surveys	LS	1	0	0	
8.3	Agency Verification of Wetland Data	LS	1	0	0	
8.4	Complete And Submit All Required Permit Applications					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	40	40	Modify Permit
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	0	0	
8.6	Prepare USCG Permit Application	LS	1	0	0	
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	
8.10	Compensatory Mitigation Plan	LS	1	0	0	
8.11	Mitigation Coordination and Meetings	LS	1	0	0	

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.12	Other Environmental Permits	LS	1	0	0	
Environmental Clearances/Reevaluations						
8.13	Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.13.2	Archaeological and Historical Resources	LS	1	0	0	
8.13.3	Wetland Impact Analysis	LS	1	0	0	
8.13.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.13.5	Protected Speices and Habitat Impact Analysis	LS	1	0	0	
8.14	Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)					
8.14.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.14.2	Archaeological and Historical Resources	LS	1	0	0	
8.14.3	Wetland Impact Analysis	LS	1	0	0	
8.14.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.14.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.15	Contamination Impact Analysis	LS	1	0	0	
8.16	Asbestos Survey	LS	1	0	0	
Environmental Permits and Environmental Clearances/Reevaluations, Technical Subtotal					40	
8.17	Technical Meetings	LS	1	6	6	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	7%	3	
8.19	Supervision	LS	%	5%	2	
Environmental Permits and Environmental Clearances, Nontechnical Subtotal					11	
8.20	Coordination	LS	%	3%	2	
8: Environmental Permits and Environmental Clearances Total					53	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments		
WMD		EA	2	3	6		yes	2
NMFS		EA	0	0	0			0
USACE		EA	0	0	0			0
USCG		EA	0	0	0			0
USFWS		EA	0	0	0			0
FFWCC		EA	0	0	0			0
FDOT		EA	0	0	0			0
Other Meetings		EA	0	0	0			0
Subtotal Technical Meetings					6		Subtotal Project Manager Meetings	2
Progress Meetings (if required by FDOT)		EA	0	0	0		<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings		EA	0	0	0		<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
Total Meetings					6		Total Project Manager Meetings (carries to Tab 3)	2

Carries to 8.17

Carries to Tab 3

Project Activity 19: Signing and Pavement Marking Analysis

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	1	0	0	
19.2	No Passing Zone Study	LS	1	0	0	
19.3	Signing and Pavement Marking Master Design File	LS	1	350	350	Update signing and marking plan for new typical section
19.4	Multi-Post Sign Support Calculations	EA	0	0	0	
19.5	Sign Panel Design Analysis	EA	0	0	0	
19.6	Sign Lighting/Electrical Calculations	EA	0	0	0	
19.7	Quantities for EQ Report	LS	1	16	16	
19.8	Cost Estimate	LS	1	0	0	
19.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
19.10	Other Signing and Pavement Marking	LS	1	0	0	
Signing and Pavement Marking Analysis Technical Subtotal					366	
19.11	Field Reviews	LS	1	16	16	
19.12	Technical Meetings	LS	1	30	30	
19.13	Quality Assurance/Quality Control	LS	%	7%	26	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	5%	18	
Signing and Pavement Marking Analysis Nontechnical Subtotal					90	
19.16	Coordination	LS	%	3%	14	
19: Signing and Pavement Marking Analysis Total					470	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Sign Panel Design	EA	0	0	0			0
Queue Length Analysis	EA	0	0	0			0

Project Activity 19: Signing and Pavement Marking Analysis

Task No.	Task	Units	No. of Units	Hours/Units	Total Hours	Comments	
	Local Governments (cities, counties)	EA	2	3	6		0
	Other Meetings	EA	12	2	24	Monthly Progress Meetings (1 staff)	0
	Subtotal Technical Meetings				30		Subtotal Project Manager Meetings
	Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
	Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
	Total Meetings				30	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 19.12

Carries to Tab 3

Project Activity 20: Signing and Pavement Marking Plans

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Osiris 9		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	0	0	0	
20.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	
20.3	Project Layout		Sheet	0	0	0	0	
20.4	Plan Sheet	40	Sheet	23	6	23	138	
20.5	Typical Details		EA	0	0		0	
20.6	Guide Sign Worksheets		EA	0	0		0	
20.7	Traffic Monitoring Site		EA	0	0		0	
20.8	Cross Sections		EA	0	0		0	
20.9	Special Service Point Details		EA	0	0		0	
20.10	Special Details		LS	1	0		0	
20.11	Interim Standards		LS	1	0		0	
Signing and Pavement Marking Plans Technical Subtotal						24	142	
20.12	Quality Assurance/Quality Control		LS	%	7%		10	
20.13	Supervision		LS	%	5%		7	
20. Signing and Pavement Marking Plans Total						24	159	

Project Activity 21: Signalization Analysis

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	0	0	0	N/A
21.2	Traffic Data Analysis	PI	4	5	20	Determine signal operational plan, intersection geometry, local signal timings, pre-emption phasing and timings, forecasting traffic, intersection analysis run, etc. per intersection. Assume 5 hours per intersection. Need to include Greenbrier Rd and Cimarrone Blvd in this effort for data evaluation.
21.3	Signal Warrant Study	LS	0	0	0	N/A
21.4	System Timings	LS	1	14	14	Analyze available counts to determine proper coordination timing plans including splits, force offs, offsets and preparation of phasing diagrams. 5 hours for first 2 intersections + 2 hours for the additional 2 intersections = 14 hours
21.5	Reference and Master Signalization Design File	PI	3	28	84	All efforts required per intersection for establishing the signal master design file to include reference files of topo, r/w, roadway, pavement markings, utilities files, etc. Effort would be 30 hours for the 2 intersections (Shearwater and Hampton Club Way) + 24 hours for the third (Cimarrone Blvd) = 84/3 = 28 hours per intersection.
21.6	Reference and Master Interconnect Communication Design File	LS	0	0	0	Refer to ITS Analysis and ITS Plans
21.7	Overhead Street Name Sign Design	EA	15	2	30	Design overhead street name sign, lettering, description, street block numbers, and information to develop the layout of a sign. Anticipate needing 3 at Shearwater Pkwy, 6 at Hampton Club Way and 6 at Cimarrone Blvd = 15 EA.
21.8	Pole Elevation Analysis	LS	1	3	3	Includes effort to determine pole elevations at proposed pole locations. 2 + 1 = 3 hours.
21.9	Traffic Signal Operation Report	LS	1	30	30	Develop a Traffic Signal Operational Report.
21.10	Quantities for EQ Report	LS	1	28	28	Includes all work required to determine pay items and quantities. Based on 20 hours for first intersection + 4 hours for the next 2 intersections = 28 hours.
21.11	Cost Estimate	LS	1	10	10	Effort to complete cost estimating for 90% and Final Plans. 2 submittals * 5 hours
21.12	Technical Special Provisions and Modified Special Provisions	LS	0	0	0	Not Anticipated.
21.13	Other Signalization Analysis	LS	1	12	12	Additional coordination effort and input to St. Johns County.
Signalization Analysis Technical Subtotal					231	
21.14	Field Reviews	LS	1	8	8	2 field meetings * 2 staff * 2 hour meetings
21.15	Technical Meetings	LS	1	32	32	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	7%	16	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	5%	12	
Signalization Analysis Nontechnical Subtotal					68	

Project Activity 21: Signalization Analysis

21.19	Coordination	LS	%	3%	9	
21: Signalization Analysis Total					308	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	2	4	8	2 meetings * 2 staff * 2 hours meeting	yes	2
Maintaining Agency (cities, counties)	EA	2	6	12	2 meetings * 2 staff * 3 hours meeting (including travel time) (90%, Final)	yes	2
Railroads	EA	0	0	0			0
Other Meetings	EA	4	2	8	Progress Mtg 4 meetings * 1 staff * 2 hours meeting	yes	2
Subtotal Technical Meetings				28			6
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	2	2	4	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				32	Total Project Manager Meetings (carries to Tab 3)		6

Carries to 21.15

Carries to Tab 3

Project Activity 22: Signalization Plans

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	5	1	5	Develop Key Sheet.
22.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	Modify the existing general notes and pay item notes as provided by the Local Agency.
22.3	Plan Sheet		Sheet	6	5	6	30	Anticipate needing 6 sheets for the 3 Intersections.
22.4	Interconnect Plans		Sheet	0	0	0	0	N/A
22.5	Traffic Monitoring Site		EA	0	0	0	0	N/A
22.6	Guide Sign Worksheet		EA	1	15	4	15	Develop Guidesign worksheet for street names. 15 signs * 1 hour per sign. Will Require 4 sheets.
22.7	Special Details		Sheet	12	5	12	60	Anticipate needing 12 special detail sheets. 3 ped push buttons inset, 3 equipment details, and 1 mast arm assemblies data table, 5 standard detail sheets
22.8	Special Service Point Details		EA	0	0	0	0	N/A
22.9	Mast Arm/Monolube Tabulation Sheet		PI	2	3	1	6	Incorporating the schedule detail chart for steel mast arms in the plan set.
22.10	Strain Pole Schedule		PI	0	0	0	0	N/A
22.11	TTCP Signal		EA	2	16	1	32	TTC Plan. Temporary traffic details and plan sheet and typical development. Anticipate requiring 2 sheets. One for Shearwater and one for Cimarron
22.12	Temporary Detection Sheet		PI	0	0	0	0	N/A
22.13	Utility Conflict Sheet		Sheet	2	6	2	12	Shows soft-dig utility vertical and horizontal location, Mast arms, poles, etc. for 2 sheets.
22.14	Interim Standards		LS	1	4		4	For appropriate standard plans.
Signalization Plans Technical Subtotal						28	168	
22.15	Quality Assurance/Quality Control		LS	%	7%		12	
22.16	Supervision		LS	%	5%		8	
22. Signalization Plans Total						28	188	

Project Activity 23: Lighting Analysis

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	0	0	0	N/A
23.2	Lighting Design Analysis Report (LDAR)	LS	1	0	0	Prepare an LDAR. Three locations. 2 intersection + 1 bridge. 3 x 10 hours = 30 hours
23.3	Voltage Drop Calculations	EA	4	4	16	Voltage drop calculation for each circuit (typical service point has four branch circuits).
23.4	FDEP Coordination and Report	LS	0	0	0	N/A
23.5	Reference and Master Design Files	LS	1	54	54	Design lighting master design file to include all applicable reference files. This includes design and layout of proposed light poles, conductors and conduit runs, load center locations, pull box, service points, electrical service feed. 18 hours for the 3 locations = 54 hours
23.6	Temporary Highway Lighting	LS	0	0	0	N/A
23.7	Design Documentation	LS	1	8	8	Includes compiling and delivering project documentation.
23.8	Quantities for EQ Report	LS	1	22	22	Based on 20 hours for <= 8 proposed light poles, plus 0.5 hour for each additional pole. 20 hours + 4 * 0.5 = 22 hours
23.9	Cost Estimate	LS	1		0	Effort to complete cost estimating for 90% and Final Plans. 2 submittals * 5 hours
23.10	Technical Special Provisions and Modified Special Provisions	LS	0	0	0	Not Anticipated.
23.11	Other Lighting Analysis	LS	1	0	0	
Lighting Analysis Technical Subtotal					100	
23.12	Field Reviews	LS	1	0	0	Completed with Signalization
23.13	Technical Meetings	LS	1	32	32	Meetings are listed below
23.14	Quality Assurance/Quality Control	LS	%	7%	7	
23.15	Independent Peer Review	LS	%	0%	0	
23.16	Supervision	LS	%	5%	5	
Lighting Analysis Nontechnical Subtotal					44	
23.17	Coordination	LS	%	3%	4	
23: Lighting Analysis Total					148	

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No. of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	3	4	12	3 meetings * 2 staff * 2 hours meeting	yes	3
Maintaining Agency (cities, counties)	EA	2	4	8	2 meetings * 2 staff * 2 hours meeting	yes	2
Airport authority	EA	0	0	0			0
FDEP Lighting (coast areas)	EA	0	0	0			0
Other Meetings	EA	4	2	8	Progress Mtg 4 meetings * 1 staff * 2 hours meeting		0
Subtotal Technical Meetings				28			5
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	2	2	4	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				32	Total Project Manager Meetings (carries to Tab 3)		5

Carries to 23.13

Carries to Tab 3

24. Lighting Plans

Estimator:

CR 210 widening - Design-Build Project
N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	0	1	0	Include in set
24.2	General Notes/Pay Item Notes		Sheet	1	3	1	3	Modifying specific notes from notes provided by County.
24.3	Pole Data, Legend and Criteria		Sheet	1	16	1	16	Plan sheet showing general legend description, wind speed, uniformity ratios, develop pole data, pull station and offset of each pole and update pole descriptions. Anticipate 12 light poles.
24.4	Service Point Details		Sheet	0	0	0	0	N/A
24.5	Project Layout		Sheet	0	0	0	0	N/A
24.6	Plan Sheet		Sheet	3	4	3	12	Develop lighting plan sheets for the design. Anticipate needing 3 plan sheets.
24.7	Special Details		Sheet	2	12	2	24	Anticipate needing one special detail sheet.
24.8	Temporary Highway Lighting Detail Sheets		Sheet	0	0	0	0	N/A
24.9	Temporary Highway Lighting Plan Sheets		Sheet	0	0	0	0	N/A
24.10	Interim Standards		LS	1	4		4	For appropriate standard plans.
Lighting Plans Technical Subtotal						8	59	
24.11	Quality Assurance/Quality Control		LS	%	7%		4	
24.12	Supervision		LS	%	5%		3	
24. Lighting Plans, Total						8	66	

33. ITS Analysis

Estimator:

CR 210 widening - Design-Build Project

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
33.1	ITS Analysis	LS	1	64	64	Review existing ITS infrastructure: 16 hours, Prepare System Engineering Master Plan 48 hours = 64 hours.
33.2	Communications Plan Analysis	LS	1	0	0	Covered in 33.10
33.3	Lightning Protection Analysis	Per Site	2	8	16	Complete lightning protection analysis for two intersection locations.
33.4	Power Subsystem	LS	1	0	0	N/A
33.5	Voltage Drop Calculatlons	LS	1	6	6	Complete voltage drop calculation for the ITS devices
33.6	Design Documentation	LS	1	24	24	Develop ConOps Report.
33.7	Existing ITS System	LS	1	0	0	Evaluated in 33.1 above. N/A.
33.8	Queue Analysis	PI	0	0	0	Not Required.
33.9	Reference and Master ITS Design File	PI	0	0	0	N/A. Covered under signalization.
33.10	Reference and Master Communications Design File	PI	4	20	80	All efforts required for establishing the communications master design file. Need signal interconnection at 4 locations.
33.11	Pole Elevation Analysis	LS	1	4	4	Includes effort to determine CCTV viewing range at proposed pole locations.
33.12	Sign Panel Design Analysis	LS	1	0	0	No DMS signs. Not Required.
33.13	Quantities for EQ Report	LS	1	24	24	Based on 24 hours for <= 6 proposed ITS Installations.
33.14	Cost Estimate	LS	1	0	0	NA
33.15	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	Not Anticipated.
33.16	Other ITS Analyses	LS	1	0	0	Not Anticipated.
Intelligent Transportation Systems Analysis Technical Subtotal					218	

33. ITS Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
33.17	Field Reviews	LS	1	0	0	Completed with Signalization
33.18	Technical Meetings	LS	1	24	24	Meetings are listed below
33.19	Quality Assurance/Quality Control	LS	%	7%	15	
33.20	Supervision	LS	%	5%	11	
Intelligent Transportation Systems Analysis Nontechnical Subtotal					50	
33.21	Coordination	LS	%	3%	8	
33. Intelligent Transportation Systems Analysis Total					276	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	0	0	0			0
Local Governments (cities, counties, MPO)	EA	2	4	8	2 meetings * 2 staff * 2 hours meeting	yes	2
Utility Owners	EA	1	4	4	1 meeting * 2 staff * 2 hours meeting	yes	1
Field Meetings	EA	0	0	0	Captured in Signals		0
Other Meetings	EA	4	2	8	Progress Mtg 4 meetings * 1 staff * 2 hours meeting		0
Subtotal Technical Meetings				20			3
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	2	2	4	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				24			3

Carries to 33.18

Carries to Tab 3

34. ITS Plans

Estimator:

CR 210 widening - Design-Build Project
N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
34.1	Key Sheet		Sheet	1	0	1	0	Included in plan set
34.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	Modify the existing general notes and pay item notes as provided by the Local Agency.
34.3	Project Layout		Sheet	0	0	0	0	N/A
34.4	Typical and Special Details		Sheet	2	6	2	12	May include block diagrams, hub cabinets, wiring diagrams, solar power service, special mounting details.
34.5	Plan Sheet		Sheet	10	6	10	60	Develop plans sheets for ITS components.
34.6	ITS Communications Plans		Sheet	1	6	1	6	Develop communications flow diagram.
34.7	Fiber Optic Splice Diagrams		Sheet	2	5	2	10	Total 5 splice diagrams on 2 sheets are anticipated. 5 splice diagrams @ 2 hours each = 10 hours total.
34.8	Lightning Protection Plans		Sheet	0	0	0	0	N/A
34.9	Cross Sections		Sheet	0	0	0	0	N/A
34.10	Guide Sign Worksheets		Sheet	0	0	0	0	N/A
34.11	Special Service Point Details		Sheet	0	0	0	0	N/A
34.12	Strain Pole Schedule		Sheet	0	0	0	0	N/A
34.13	Overhead/Cantilever Sign Structure		Sheet	0	0	0	0	N/A
34.14	Other Overhead Sign Structures (Long Span, Monotube, etc.)		Sheet	0	0	0	0	N/A
34.15	Temporary Traffic Control Plans		Sheet	0	0	0	0	N/A
34.16	Interim Standards		Sheet	1	4	0	4	For appropriate standard plans.
34.17	GIS Data and Asset Management Requirements		LS	1	0	0	0	Not required for County.

34. ITS Plans

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Intelligent Transportation System Plans Technical Subtotal						17	96	
34.18	Quality Assurance/Quality Control		LS	%	7%		7	
34.19	Supervision		LS	%	5%		5	
34. Intelligent Transportation System Plans Total						17	108	

Project Activity 4: Roadway Analysis

Estimator:

CR 210 widening - Design-Build Project
N/A

Representing	Print Name	Signature / Date
FDOT District		
Osiris 9		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
36.1	Phase I 3D Design Model	Alignment / Corridor Mile	0	0	0	Included in 60%
36.2	Phase II 3D Design Model	Alignment / Corridor Mile	2.5	80	200	Prepare new 3D model for entire corridor
36.3	Phase III 3D Design Model	Alignment / Corridor Mile	2.5	20	50	
36.4	Final 3D Design Model	Alignment / Corridor Mile	2.5	16	40	
36.5	Cross Section Design Files	LS	1	125	125	
36.6	Template and Assembly Development (Optional)	LS	1	0	0	
3D Modeling Technical Subtotal					415	
36.7	Quality Assurance/Quality Control	LS	%	7%	29	
36.8	Supervision	LS	%	5%	21	
36.9	Coordination	LS	%	3%	12	
3D Modeling Total					477	

Project Information Sheet

Financial Project Identification Number: RFQ NO. 22-13		Federal Aid Project Identification Number: NA		
Name of Prime / Subconsultant: CONSOR Engineers, LLC		County: St. Johns		
Project Description: DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD				
Begin Milepost: _____	End Milepost: _____	Project Length: _____	Miles	
Number of Lanes: _____	Typical Section: _____	(Urban / Rural / Int.) Lane Configuration: _____ (Divided / Undivided)		
Project Type: _____ (Minor / Major)	Access Management Classification: _____	Roadway Classification: _____ (NHS/FIHS/OM Sys.)		
CAP Level: _____	TTCP Level: _____	Survey Level: _____		
Design Variations: 1. _____	Design Exceptions: 1. _____			
2. _____	2. _____			
3. _____	3. _____			
4. _____	4. _____			
5. _____	5. _____			
Proposed Design Contract Time: _____ months/days	Date of Negotiation: _____	Context Classification: _____		
Project Activity:	Estimated By:		Negotiated By: (name - firm)	
	Consultant	St. Johns County	Consultant	St. Johns County
3. Project Common & Project General Tasks	CONSOR	Enter name & office	Enter name & office	Enter name & office
4. Roadway Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
5. Roadway Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
5a. Drainage Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
5b. Drainage Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
7. Utilities	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
8. Environmental Permits and Env. Clearances	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
9. Structures Summary	CONSOR	Enter name & office	Enter name & firm	Enter name & office
10. Structures - Bridge Development Report	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
11. Structures - Temporary Bridge	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
12. Structures - Short Span Concrete	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
13. Structures - Medium Span Concrete	CONSOR	Enter name & office	Enter name & firm	Enter name & office
14. Structures - Structural Steel	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
15. Structures - Segmental Concrete	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
16. Structures - Movable Span	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
17. Structures - Retaining Walls	CONSOR	Enter name & office	Enter name & firm	Enter name & office
18. Structures - Miscellaneous	CONSOR	Enter name & office	Enter name & firm	Enter name & office
19. Signing and Pavement Marking Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
20. Signing and Pavement Marking Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
21. Signalization Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
22. Signalization Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
23. Lighting Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
24. Lighting Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
25. Landscape Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
26. Landscape Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
27. Survey	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
28. Photogrammetry	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
29. Mapping	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
30. Terrestrial Mobile LIDAR	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
31. Architecture Development	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
32. Noise Barriers Impact Design Assessment	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
33. Intelligent Transportation Systems Analysis	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
34. Intelligent Transportation Systems Plans	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
35. Geotechnical	Enter name & firm	Enter name & office	Enter name & firm	Enter name & office
36. 3D Modeling	CONSOR	Enter name & office	Enter name & firm	Enter name & office

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD
 County: St. Johns
 FPN: RFQ NO. 22-13
 FAP No.: NA

Consultant Name: CONSOR Engineers, LLC
 Consultant No.: D220230FL
 Date: 2/21/2022
 Estimator: C. Howard / S. Radecki

Staff Classification	Total Staff Hours From "SH Summary Form"	Senior Engineer	Engineer	Engineer Intern	Senior Designer/CADD	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$240.00	\$152.00	\$110.00	\$100.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	
3. Project General and Project Common Tasks	21	11	6	4	0	0	0	0	0	0	0	0	0	21	\$3,092	\$180.10
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
5a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
5b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
9. Structures - Misc. Tasks, Dwg, Non-Tech.	279	126	84	42	27	0	0	0	0	0	0	0	0	279	\$50,328	\$180.39
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
13. Structures - Medium Span Concrete Bridge	598	120	239	150	89	0	0	0	0	0	0	0	0	598	\$80,528	\$151.38
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
17. Structures - Retaining Walls	40	8	16	14	2	0	0	0	0	0	0	0	0	40	\$6,092	\$152.30
18. Structures - Miscellaneous	104	21	42	36	5	0	0	0	0	0	0	0	0	104	\$15,884	\$152.73
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DN/01
Total Staff Hours	1,042	288	387	248	123	0	0	0	0	0	0	0	0	1,042		
Total Staff Cost		\$88,640.00	\$58,824.00	\$27,060.00	\$12,300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$166,824.00	\$160.10

Check = \$166,824.00

SUBTOTAL ESTIMATED FEE:																	\$166,824.00
Survey (Field)		0	4-person crew	\$	-	/ day											\$0.00
Geotechnical Field and Lab Testing																	\$0.00
SUBTOTAL ESTIMATED FEE:																	\$166,824.00
Optional Services																	\$0.00
GRAND TOTAL ESTIMATED FEE:																	\$166,824.00

Notes:
 1. This sheet to be used by Subconsultant to calculate its fee.

Project Activity 3: General Tasks

Estimator: Christopher Howard, PE & Scott Radecki, PE

DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD

RFQ NO. 22-13

Representing:	Print Name	Signature / Date
St. Johns County		
CONSOR Engineers, LLC		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	None.
3.1.2	Notifications	LS	1	0	0	None.
3.1.3	Preparing Mailing Lists	LS	1	0	0	None.
3.1.4	Median Modification Letters	LS	1	0	0	None.
3.1.5	Driveway Modification Letters	LS	1	0	0	None.
3.1.6	Newsletters	LS	1	0	0	None.
3.1.7	Renderings and Fly Throughs	LS	1	0	0	None.
3.1.8	PowerPoint Presentation	LS	1	0	0	None.
3.1.9	Public Meeting Preparations	LS	1	0	0	None.
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	None.
3.1.11	Other Agency Meetings	LS	1	0	0	None.
3.1.12	Web Site	LS	1	0	0	None.
3.1 Public Involvement Subtotal					0	
3.2	Joint Project Agreements	EA	0	0	0	NA (Not Applicable)
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	0	0	None, prepared by Osiris.
3.3.2	Estimated Quantities Report Preparation	LS	1	0	0	NA
3.4	Contract Maintenance and Project Documentation	LS	1	18	18	Setup 12hrs and 1hr/mo. x 180days/30days/mo = 18hrs
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	NA
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below
3.7	Plans Update	LS	1	0	0	None.

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	NA - See separate fee proposal for post design services.
3.9	Digital Delivery	LS	1	3	3	Final signed and sealed digital delivery of plans, calculations, and load rating package.
3.10	Risk Assessment Workshop	LS	1	0	0	NA
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	NA
3.11.1	Aeronautical Evaluation	LS	1	0	0	NA
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	NA
3.13	Other Project General Tasks	LS	1	0	0	NA
3. Project Common and Project General Tasks Total					21	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	0	0	NA
Drainage	EA	0	0	0	NA
Utilities	EA	0	0	0	NA
Environmental	EA	0	0	0	NA
Structures	EA	0	0	0	NA
Signing & Pavement Marking	EA	0	0	0	NA
Signalization	EA	0	0	0	NA
Lighting	EA	0	0	0	NA
Landscape Architecture	EA	0	0	0	NA
Survey	EA	0	0	0	NA
Photogrammetry	EA	0	0	0	NA
ROW & Mapping	EA	0	0	0	NA
Terrestrial Mobile LIDAR	EA	0	0	0	NA
Architecture	EA	0	0	0	NA
Noise Barriers	EA	0	0	0	NA
ITS Analysis	EA	0	0	0	NA
Geotechnical	EA	0	0	0	NA
Progress Meetings	EA	0	0	0	NA
Phase Reviews	EA	0	0	0	NA
Field Reviews	EA	0	0	0	NA
Total Project Manager Meetings		0		0	Total PM Meeting Hours carries to Task 3.6 above

Project Activity 6a: Drainage Analysis

Estimator: Melinda Fischl, PE

DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD
RFQ NO. 22-13

Representing	Print Name	Signature / Date
St. Johns County		
CONSOR Engineers, LLC		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	0	0	0	NA
6a.2	Base Clearance Calculations	Per Location	0	0	0	NA
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	NA
6a.4	Design of Cross Drains	EA	0	0	0	NA
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	NA
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	NA
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	NA
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	NA
6a.9	Design of Storm Drains	EA	0	0	0	NA
6a.10	Optional Culvert Material	EA	0	0	0	NA
6a.11	French Drain Systems	Per Cell	0	0	0	NA
6a.11.1	Existing French Drain Systems	Per Cell	0	0	0	NA
6a.12	Drainage Wells	EA	0	0	0	NA
6a.13	Drainage Design Documentation Report	LS	1	0	0	NA
6a.14	Bridge Hydraulic Report	EA	1	0	0	Osiris 9 to update and take professional responsibility for the Bridge Hydraulics Report (changes include: new low chord elevation for bridge, update spread calculations for smaller shoulder/bike lane, new report drawings for changes to channel/bridge limits, etc.) [Main Bridge, non-tidal, includes floodway involvement where FEMA "No Rise" is expected]. Bridge Hydraulic Report updates not included in this fee proposal.

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	0	0	NA
6a.16	Quantities for EQ Report	Drainage Structures	0	Calculated Hours	0	NA
		Phase 2 Submittal				0
6a.17	Cost Estimate	LS	1	0	0	NA
6a.18	Technical Special Provisions / Modified Special Provisions	LS	1	0	0	NA
6a.19	Hydroplaning Analysis	LS	1	0	0	NA
6a.20	Existing Permit Analysis	LS	1	0	0	NA
6a.21	Other Drainage Analysis	LS	1	0	0	NA
6a.22	Noise Barrier Evaluation	LS	1	0	0	NA
6a.23	Erosion Control Plan	Per Mile	0	0	0	NA
Drainage Analysis Technical Subtotal					0	
6a.24	Field Reviews	LS	1	0	0	NA
6a.25	Technical Meetings	LS	1	0	0	Meetings are listed below
6a.26	Environmental Look-Around (ELA) Meeting	LS	0	0	0	NA
6a.27	Quality Assurance/Quality Control	LS	%	5%	0	
6a.28	Independent Peer Review	LS	%	0%	0	NA
6a.29	Supervision	LS	%	5%	0	
Drainage Analysis Nontechnical Subtotal					0	
6a.30	Coordination	LS	%	5%	0	
6a. Drainage Analysis Total					0	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0			0
Pond Siting	EA	0	0	0			0
Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	0	0	0	Meet with local floodplain manager for County		0
FDOT Drainage	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				0			0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				0	Total Project Manager Meetings (carries to Tab 3)		0

6b. Drainage Plans-CONSOR

6b. Drainage Plans Staff Hours									
Representing		Print Name						Signature / Date	
St. Johns County									
CONSOR Engineers, LLC									
<i>NOTE: Signature Block is Optional per District preference</i>									
Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
6b.1	Drainage Map (Including Interchanges)	Length (Miles)	0.00		0	0	0	0	NA
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	0		0	0	0	0	District 9 to update and take professional responsibility for the Bridge Hydraulics Recommendation Sheet. Bridge Hydraulic Recommendation Sheet updates not included in this fee proposal.
6b.3	Drainage Structures	Drainage Structures	0		0	0	0	0	NA
		Details	0						NA
6b.4	Lateral Ditches	Ditches	0	Standard					NA
			0	Complex	0	0	0	0	NA
		Cross Section Alignments	0						NA
6b.5	Retention/Detention/Floodplain Compensation Ponds	Ponds	0	Standard					NA
			0	Complex	0	0	0	0	NA
		Cross Section Alignments	0						NA
6b.6	Erosion Control Plan	Length (Miles)	0.00		0	0	0	0	NA
6b.7	SWPPP				0	0	0	0	NA
Drainage Plans Technical Subtotal					0	0	0	0	
6b.8	Quality Assurance/Quality Control	%	0%		0	0	0	0	
6b.9	Supervision	%	11%		0	0	0	0	11% was used to add one hour for QA/QC since this form has a minimum 10 hours in line 6b.8.
6. Drainage Plans Total					0	0	0	0	

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator: Christopher Howard, PE & Scott Radecki, PE

DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD
RFQ NO. 22-13

Representing	Print Name	Signature / Date
St. Johns County		
CONSOR Engineers, LLC		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
General Drawings											
9.1	Key Sheet and Index of Drawings	Sheet	1	6	1	6	Structures component key sheet.				
9.2	Project Layout	Sheet	0	0	0	0	NA				
9.3	General Notes and Bid Item Notes	Sheet	1	16	1	16	Includes general notes, bid item notes				
9.4	Miscellaneous Common Details	Sheet	1	4	1	4	Signature Sheet				
9.5	Incorporate Report of Core Borings	Sheet	1	1	1	1					
9.6	Standard Plans- Bridges	LS	1	2		2					
9.7	Existing Bridge Plans	LS	1	4		4	Label & incorporate existing bridge plans.				
9.8	Quantities for EQ Report	LS	1	16		16					
9.9	Cost Estimate	LS	1	0		0	NA				
9.10	Technical Special Provisions and Modified Special Provisions	LS	1	0		0	NA				
Structures - Summary and Miscellaneous Tasks and Drawings					4	49					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	598	0	0	0	598	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

10-16	Bridge 6	0								
10-16	Bridge 7	0								
10-16	Bridge 8	0								
10-16	Bridge 9	0								
10-16	Bridge 10	0								
17	Retaining Walls	40							40	
18	Miscellaneous Structures	104								104
Structures Technical Subtotal		742	0	0	0	598	0	0	0	40
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments				
9.11	Field Reviews	LS	1	8	8	1 visits x 2 persons x 4 hrs/person				
9.12	Technical Meetings	LS	1	24	24	Meetings are listed below				
9.13	Quality Assurance/Quality Control	LS	%	5%	40					
9.14	Independent Peer Review	LS	1	0	0	NA				
9.15	Supervision	LS	%	5%	40					
Structures Nontechnical Subtotal					112					
9.16	Coordination	LS	1	118	118	Rdwy (38 hrs); Utilities (16 hrs due to utilities on bridge underside); County (8 hrs); Geotech for Bridge and Gravity Walls (16 hrs); Bridge Hydraulics (8 hrs); Contractor (30 hrs); FDOT Bridge Maintenance for Bridge (2hrs)(Mast Arm numbers to be applied for by Osiris 9)				
9. Structures - Summary and Miscellaneous Tasks and Drawings					279					

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0			0
90/100% Comment Review	EA	2	4	8	Response to County Review		0
Aesthetics Coordination	EA	0	0	0			0
Regulatory Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	2	2	4	County Mtg (assume 2 meetings) - Teams Mtg.		0
Utility Companies	EA	2	2	4	Utility attachment to bridge		0
Other Meetings	EA	4	2	8	Teams Mtgs w/Design-Build team (assume 4 mtgs.)		0
Subtotal Technical Meetings				24			0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				24	Total Project Manager Meetings (carries to Tab 3)		0

Project Activity 13: Structures- Medium Span Concrete

Estimator: Christopher Howard, PE & Scott Radecki, PE
 Bridge Identifier: CR 210 over Trout Creek

DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD
 RFQ NO. 22-13

Representing	Print Name	Signature / Date
St. Johns County		
CONSOR Engineers, LLC		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Layout Design and Plans							
13.1	Overall Bridge Final Geometry	LS	1	16		16	2 separate bridges (same span lengths)
13.2	Expansion/Contraction Analysis	EA Unit	1	4		4	1- span bridge. One design for both bridges (same span lengths and typical section)
13.3	General Plan and Elevation	Sheet	1	32	1	32	1 sheet for plan & elevation view (both bridges)
13.4	Construction Staging	Sheet	1	16	1	16	Bridge construction sequence
13.5	Approach Slab Plan and Details	Sheet	1	16	1	16	Same details for both bridges; Add detail for 2% sidewalk slope.
13.6	Miscellaneous Details	Sheet	6	15	6	96	Slope Protection (2 sht); Utility hanger Details (1 sht); Load Rating Summary Sheet (2 shts); Vertical Utility Hanger Design for attaching utility pipe to underside of deck (16hrs)(All other utility design, utility joint design, utility restraint members, and utility forces to be restrained shall be provided by others).
End Bent Design and Plans							
13.7	End Bent Geometry	EA End Bent	4	6		24	4 end bents for 2 bridges. Utilities hung from bridge may require the need to shift beams for 4 different bent geometry.
13.8	Wingwall Design and Geometry	EA End Bent	2	4		8	2 different wingwall designs (2 different length wingwalls)
13.9	End Bent Structural Design	EA Design	1	30		30	One design for end bents at both bridges. Utilities hung from bridge may require the need to shift beams for different WB and EB end bents.
13.10	End Bent Plan and Elevation	Sheet	2	24	2	48	2 bridges. Double label for elevation at EB and WB end bents.
13.11	End Bent Details	Sheet	2	16	2	32	End bent cap sections, details, and elevations.
Intermediate Bent Design and Plans							
13.12	Bent Geometry	EA Bent	0	0		0	NA
13.13	Bent Stability Analysis	EA Design	0	0		0	NA
13.14	Bent Structural Design	EA Design	0	0		0	NA
13.15	Bent Plan and Elevation	Sheet	0	0	0	0	NA
13.16	Bent Details	Sheet	0	0	0	0	NA
Pier Design and Plans							
13.17	Pier Geometry	EA Pier	0	0		0	NA
13.18	Pier Stability Analysis	EA Design	0	0		0	NA

Project Activity 13: Structures- Medium Span Concrete

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.19	Pier Structural Design	EA Design	0	0		0	NA
13.20	Pier Plan and Elevation	Sheet	0	0	0	0	NA
13.21	Pier Details	Sheet	0	0	0	0	NA
Miscellaneous Substructure Design and Plans							
13.22	Foundation Layout	Sheet	2	16	2	32	2 bridges. Foundation Layout (both bridges)(1 sht) & Pile Data Table (both bridges)(1 sht)
Superstructure Deck Design and Plans							
13.23	Finish Grade Elevation (FGE) Calculation	LS	1	24		24	2 bridges (12 hrs x 2)
13.24	Finish Grade Elevations	Sheet	2	12	2	24	2 bridges. Plan and Bridge Typical Section (1 sht) & Table and Approach Slab Typical Section (1 sht)
13.25	Bridge Deck Design	EA Section	1	20		20	One design for both bridges; Add utility to deck design.
13.26	Bridge Deck Reinforcing and Concrete Quantities	EA Unit	1	16		16	2 similar bridges
13.27	Diaphragm Design	EA Section	0	0		0	NA
13.28	Superstructure Plan	Sheet	1	16	1	16	One layout for both bridges
13.29	Superstructure Section	Sheet	1	24	1	24	Typical section for each bridge. Utilities hung from bridge may require the need to shift beams for 2 different typical sections.
13.30	Miscellaneous Superstructure Details	Sheet	3	16	3	48	Build-Up and Deflection Data Table; Stay-in-Place Forms Details; Thickened Slab End Details; Poured Expansion Joint Data Table; Beam Temporary Bracing Table & Notes.
Reinforcing Bar Lists							
13.31	Preparation of Reinforcing Bar List	Sheet	1	12	1	12	2 similar bridges
Continuous Concrete Girder Design							
13.32	Section Properties	LS	1	0		0	NA
13.33	Material Properties	LS	1	0		0	NA
13.34	Construction Sequence	EA Unit	0	0		0	NA
13.35	Tendon Layouts	EA Unit	0	0		0	NA
13.36	Live Load Analysis	EA Unit	0	0		0	NA
13.37	Temperature Gradient	EA Unit	0	0		0	NA
13.38	Time Dependent Analysis	EA Unit	0	0		0	NA
13.39	Stress Summary	EA Unit	0	0		0	NA
13.40	Ultimate Moments	EA Unit	0	0		0	NA
13.41	Ultimate Shear	EA Unit	0	0		0	NA

Project Activity 13: Structures- Medium Span Concrete

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.42	Construction Loading	EA Unit	0	0		0	NA
13.43	Framing Plan	Sheet	0	0	0	0	NA
13.44	Girder Elevation, including Grouting Plan and Vent Locations	Sheet	0	0	0	0	NA
13.45	Girder Details	Sheet	0	0	0	0	NA
13.46	Erection Sequence	Sheet	0	0	0	0	NA
13.47	Splice Details	Sheet	0	0	0	0	NA
13.48	Girder Deflections and Camber	Sheet	0	0	0	0	NA
Simple Span Concrete Design							
13.49	Prestressed Beam	EA Design	2	8		16	Interior & exterior beams - design covers both bridges
13.50	Prestressed Beam Schedules	Sheet	1	12	1	12	Similar bridges
13.51	Framing Plan	Sheet	0	0	0	0	NA. Included w/superstructure plan (Line 13.28)
Beam Stability							
13.52	Beam/girder stability	EA Unit	1	8		8	Similar bridges
Bearing							
13.53	Bearing pad and bearing plate design	Type/ Span	1	8		8	Pad design. 1 typical span.
13.54	Bearing pad and bearing plate details	Sheet	0	0	0	0	NA
Load Rating							
13.55	Load Ratings	Per Beam	2	8		16	Interior & Exterior Beam; Includes: Load Rating Package Preparation (Load Rating Summary Form, S&S of Summary Form, Narrative, Load Rating Calculations, Inclusion of Relevant Plan Sheets, Quick Check of Controlling Load Rating); Reviewing and Responding to Load Rating Comments from FDOT; Resubmitting S&S Load Rating, if required; As-built load rating letter.
13. Structures - Medium Span Concrete Bridge Total					24	598	

Project Activity 17: Retaining Walls

Estimator: Christopher Howard, PE & Scott Radecki, PE

DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD
RFQ NO. 22-13

Representing	Print Name	Signature / Date
St. Johns County		
CONSOR Engineers, LLC		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Requirements							
17.1	Key Sheet	Sheet	0	0	0	0	NA. No separate component.
17.2	Horizontal Wall Geometry	Per Wall	0	0		0	NA
Permanent Proprietary Walls							
17.3	Vertical Wall Geometry	Per Wall	0	0		0	NA
17.4	Semi-Standard Drawings	Sheet	0	0	0	0	NA
17.5	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	NA
17.6	Details	Sheet	0	0	0	0	NA
Temporary Proprietary Walls							
17.7	Vertical Wall Geometry	Per Wall	0	0		0	NA
17.8	Semi-Standard Drawings	Sheet	0	0	0	0	NA
17.9	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	NA
17.10	Details	Sheet	0	0	0	0	NA
Cast-In-Place Retaining Walls							
17.11	Design	EA Design	0	0		0	NA
17.12	Vertical Wall Geometry	EA Wall	0	0		0	NA
17.13	General Notes	Sheet	0	0	0	0	NA
17.14	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	NA
17.15	Sections and Details	Sheet	0	0	0	0	NA
17.16	Reinforcing Bar List	Sheet	0	0	0	0	NA

Project Activity 17: Retaining Walls

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Other Retaining Walls and Bulkheads							
17.17	Design	EA Design	0	0		0	NA - Gravity Wall design to be provided by the Geotechnical Engineer.
17.18	Vertical Wall Geometry	EA Wall	4	2		8	Gravity walls at each bridge quadrant within limits of approach slab (4 ea). Gravity Walls outside of bridge/approach slab limits not included in this fee proposal.
17.19	General Notes, Tables and Misc. Details	Sheet	0	0	0	0	Included in Tab 9 line 9.3
17.20	Wall Plan and Elevations	Sheet	1	16	1	16	4 walls on 1 sheet. Elevation only.
17.21	Details	Sheet	1	16	1	16	Approach slab/barrier interface with gravity wall
17: Structures - Retaining Walls Total					2	40	

Project Activity 18: Miscellaneous Structures

Estimator: Christopher Howard, PE & Scott Radecki, PE

DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD

RFQ NO. 22-13

Representing	Print Name	Signature / Date
St. Johns County		
CONSOR Engineers, LLC		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
Concrete Box Culvert							
18.1	Concrete Box Culverts	EA	0	0		0	NA
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	NA
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	NA
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	NA
Strain Poles							
18.5	Steel Strain Poles	Initial Config	0	0		0	NA
		EA Addl Config	0	0		0	NA
18.6	Concrete Strain Poles	Initial Config	0	0		0	NA
		EA Addl Config	0	0		0	NA
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	NA
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	NA
Mast Arms							
18.9	Mast Arms	EA Design	3	12		36	Assume 4 low range (4 x 6 hrs/ea = 24 hrs); 4 mid-range (4 x 18hrs/ea = 72 hrs); total = 24 + 72 = 96 hrs (Temporary signalization designs are not included in this fee proposal.)
18.10	Mast Arms Data Table Plan Sheets	Sheet	2	4	2	8	5 mast arms per sheet
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	NA
Overhead/Cantilever Sign Structures							
18.12	Cantilever Sign Structures	EA Design	0	0		0	NA
18.13	Overhead Span Sign Structures	EA Design	0	0		0	NA
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	NA
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	NA
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	NA
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	NA
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	NA
High Mast Lighting							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	NA
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	NA
Noise Barrier Walls (Ground Mount)							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	NA
18.22	Vertical Wall Geometry	EA Wall	0	0		0	NA
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	NA
18.24	Control Drawings	Sheet	0	0	0	0	NA
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	NA
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	NA
18.27	Aesthetic Details	LS	1	0		0	NA
Special Structures							
18.28	Fender System	LS	1	0		0	NA

Project Activity 18: Miscellaneous Structures

18.29	Fender System Access	LS	1	0		0	NA
18.30	Special Structures	LS	1	0		0	NA
18.31	Other Structures	LS	1	0		0	NA
Ancillary Structures Report							
18.32	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	NA
18.33	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles (No As built or Design Plans Available)	EA structure	0	0	0	0	NA
18.34	Analytical Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	NA
18.35	Ancillary Structures Report	LS	1	0		0	NA
18. Structures - Miscellaneous Total			2	0	0	0	NA

Project Activity 4: Roadway Analysis

Estimator: Christopher Howard, PE & Scott Radecki, PE

DESIGN-BUILD SERVICES FOR CR-210 WIDENING FROM GREENBRIAR ROAD TO CIMARRONE BOULEVARD
RFQ NO. 22-13

Representing	Print Name	Signature / Date
St. Johns County		
CONSOR Engineers, LLC		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
36.1	Phase I 3D Design Model	Alignment / Corridor Mile	0	0	0	NA. No 3D model provided for the bridge.
36.2	Phase II 3D Design Model	Alignment / Corridor Mile	0	0	0	NA. No 3D model provided for the bridge.
36.3	Phase III 3D Design Model	Alignment / Corridor Mile	0	0	0	NA. No 3D model provided for the bridge.
36.4	Final 3D Design Model	Alignment / Corridor Mile	0	0	0	NA. No 3D model provided for the bridge.
36.5	Cross Section Design Files	LS	1	0	0	NA. No 3D model provided for the bridge.
36.6	Template and Assembly Development (Optional)	LS	1	0	0	NA. No 3D model provided for the bridge.
3D Modeling Technical Subtotal					0	
36.7	Quality Assurance/Quality Control	LS	%	0%	0	NA. No 3D model provided for the bridge.
36.8	Supervision	LS	%	0%	0	NA. No 3D model provided for the bridge.
36.9	Coordination	LS	%	0%	0	NA. No 3D model provided for the bridge.
3D Modeling Total					0	

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: CR210 from Greenbriar to Cimarrone Blvd
 County: St Johns
 FPN:
 FAP No.:

Consultant Name: DRMP
 Consultant No.: enter consultants proj. number
 Date: 8/17/2022
 Estimator: Bill Faust, PSM

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Senior Professional Surveyor and Mapper	Surveyor Project Manager	Surveyor in Training/Technician II	S.U.E. Project Manager	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH	Salary	Average
														By Activity	Cost By Activity	Rate Per Task
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	201	0	20	30	90	60	0	0	0	0	0	0	0	200	\$27,800	\$139.00
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	201	0	20	30	90	60	0	0	0	0	0	0	0	200		
Total Staff Cost		\$0.00	\$4,400.00	\$5,250.00	\$9,450.00	\$8,700.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$27,800.00	\$139.00

Check = \$27,800.00

SALARY RELATED COSTS:				\$27,800.00
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
SUBTOTAL ESTIMATED FEE:				\$27,800.00
SUE (Field)	38	3-person crew	\$ 2,400.00 / day	\$91,280.00
Geotechnical Field and Lab Testing				\$0.00
SUBTOTAL ESTIMATED FEE:				\$119,080.00
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$119,080.00

Notes:
 1. This sheet to be used by Subconsultant to calculate its fee.

*3. SUE crew base on 3 man 10 hour days

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: CR210 from Greenbriar to Cimarrone Blvd
 County: St Johns
 FPN:
 FAP No.:

Consultant Name: DRMP
 Consultant No.: enter consultants proj. number
 Date: 8/17/2022
 Estimator: Bill Faust, PSM

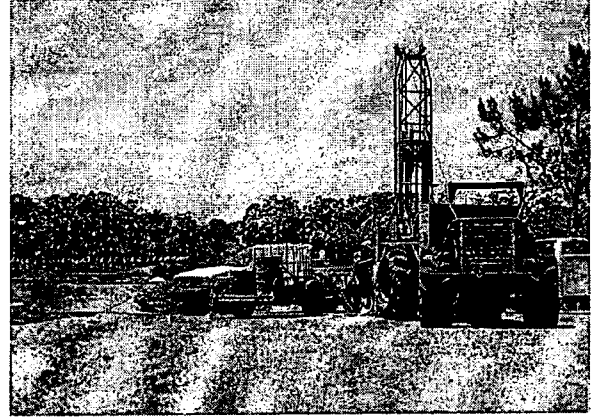
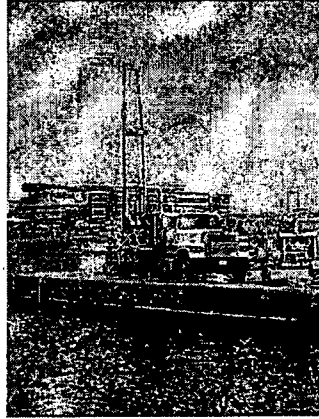
Staff Classification	Total Staff Hours From "SH Summary Form"	Project Manager	Senior Professional Surveyor and Mapper	Surveyor Project Manager	Surveyor in Training/Technician II	S.U.E. Project Manager	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH	Salary	Average
														By Activity	Cost By Activity	Rate Per Task
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	104	0	10	42	52	0	0	0	0	0	0	0	0	104	\$15,010	\$144.33
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	104	0	10	42	52	0	0	0	0	0	0	0	0	104		
Total Staff Cost		\$0.00	\$2,200.00	\$7,350.00	\$5,460.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$15,010.00	\$144.33

Check = \$15,010.00

Notes:

- This sheet to be used by Subconsultant to calculate its fee.
- Survey crew based on 3 man 10 hour days

SALARY RELATED COSTS:				\$15,010.00
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
SUBTOTAL ESTIMATED FEE:				\$15,010.00
Survey (Field)	19	3-person crew	\$ 2,000.00 / day	\$37,080.00
Geotechnical Field and Lab Testing				\$0.00
SUBTOTAL ESTIMATED FEE:				\$52,100.00
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$52,100.00



ECS Florida, LLC

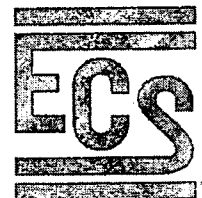
Proposal for Subsurface Exploration and Geotechnical
Engineering Services

County Road 210 Design-Build

County Road 210
St. Johns County, Florida

ECS Proposal Number 35:18906-GP

February 22, 2022





ECS FLORIDA, LLC

"Setting the Standard for Service"

Geotechnical • Construction Materials • Environmental • Facilities

February 22, 2022

Mr. Clint Capps, P.E.
Osiris 9
10199 Southside Boulevard
Suite 104
Jacksonville, Florida 32256

ECS Proposal No. 35:18906-GP

Reference: Proposal for Subsurface Exploration and Geotechnical Engineering Services
County Road 210 Design-Build
County Road 210
St. Johns County, Florida

Dear Mr. Capps:

ECS Florida, LLC (ECS) is pleased to submit this proposal to provide subsurface exploration and geotechnical engineering services for the above referenced project. This proposal contains our project understanding, proposed scope of services, lump sum fee, schedule of work, and authorization requirements.

Project Description

Based on our correspondence, we understand County Road 210 will be widened between Cimmarone Boulevard and Greenbriar Boulevard. The widening area will include one bridge, one culvert, one stormwater pond, and the widening of the roadway. ECS previously performed a geotechnical exploration for the site (ECS Project No. 35:24556). The results of our previous explorations will be utilized, where appropriate.

We propose to perform auger borings along the roadway widening area with a spacing of approximately 500 feet to supplement the previously performed borings and further evaluate the groundwater depths. Additionally, we propose to further evaluate the soil and groundwater conditions within proposed Pond 100 for a drawdown analysis and/or berm stability analysis.

Scope of Services

Our integrated services will include drilling of soil borings by drill crews under our supervision, laboratory testing of representative soil samples for pertinent engineering properties, various engineering analyses, and preparation of an engineering report. The objective of the geotechnical exploration is to provide site and subsurface information to evaluate the subsurface conditions at the site for the proposed construction. Upon completion of drilling operations, the samples will be

returned to our laboratory in Jacksonville, Florida for further identification and testing. The following field services are proposed:

Location	Number of Borings	Depth of Borings Below Ground Surface, feet
Roadway Alignment	26 Auger 9 Pavement Cores	6 1-2
Pond 100	1 SPT*	30

*Standard Penetration Test With 3 Horizontal Permeability Tests

Laboratory classification and index property tests will be performed as necessary on selected soil samples obtained from the exploration.

The results of the exploration and engineering evaluation will then be documented in a report containing the following:

1. A brief discussion of our understanding of the planned construction and imposed loading conditions.
2. A presentation of the field and laboratory test procedures used and the data obtained.
3. A presentation of the existing on-site conditions, such as topography, surface vegetation, etc. as they relate to the planned construction.
4. A presentation of the encountered subsurface conditions, including subsurface profiles and measured groundwater levels, estimated seasonal high groundwater levels, and estimated geotechnical engineering properties (as necessary).
5. A geotechnical engineering evaluation of the site and subsurface conditions with respect to the planned construction.
6. General recommendations for pavement design.
7. Recommendations for the required site preparation and earthwork construction.

Proposal Assumptions

ECS has made the following assumptions in developing this proposal:

1. Two full business days are needed for utility mark-up prior to the start of drilling operations.
2. Drilling operations will last approximately 4-6 business days.
3. No maintenance of traffic (MOT) will be required to complete the borings; however, MOT will be required for the pavement cores.
4. The pavement cores can be performed during typical business hours and days.
5. Client will provide the right of access to the property.

Fee

ECS will provide the proposed geotechnical base scope of services for a lump sum fee of **\$21,700**. If additional services are required because of unexpected field conditions encountered in our field exploration program, or because of a request for additional services, they would be invoiced in accordance with our current Fee Schedule. Before modifying or expanding the extent of our exploration program, you would be informed of our intentions for both your review and authorization.

Schedule

We are prepared to mobilize to the site within five weeks after authorization to proceed. Preliminary verbal results and recommendations can be provided within 1 to 2 days after completion of the field drilling portion of the project. The written report containing final recommendations will be submitted within two weeks after completion of all field and laboratory testing.

Utility Clearance

We will contact Sunshine 811 to locate underground utilities at the site; however, our experience indicates that Sunshine 811 will not locate utilities beyond the point of distribution (meters or gauge points) on private property. We will coordinate the location of our exploration in an attempt to avoid any underground utilities indicated by the Sunshine 811 locating system. However, we will not be responsible for any private utilities not pointed out to us by the land owner or client prior to drilling activities. **If private utilities are a concern, we can provide a private utility line locator to reduce your liability.** Please read the following section on private utility locator services and if desired, indicate your request for their services on the attached Proposal Acceptance sheet.

Contracting a private utility locator service is not a guarantee that all utilities within a work site will be identified, but a service that is offered to lower the risk of the owner/client. ECS and our clients have had success in avoiding utility conflicts by augmenting the Sunshine 811 services with a private utility locator service. Private utility locator services can identify utility alignments that incorporate significant iron content in the conduit materials. However, private utilities possessing the higher likelihood of not being easily identifiable, beyond the point of distribution, include all utilities not containing significant ferrous (iron) content (examples would include but not be limited to most sanitary sewer alignments, copper or PVC water lines, fiber optic lines without tracer ribbons, copper electric lines with no surface exposure, drainage tiles/pipes, and irrigation lines).

Where a private locator service identifies a potential risk that is not traceable through conventional methods, ECS will notify the client immediately and work to resolve the issue. Additional costs related to the resolution of these potential utility conflicts will be invoiced out per our unit rates, as identified in this proposal, or as negotiated and approved at the time of the occurrence.

Site Repair

Upon completion of the subsurface exploration procedures, we will backfill each of the excavations with the excavated soil and mound the excess spoil back up over the test location(s). In pavement

areas, we will patch the asphalt surface with a cold mix asphalt patch. Typically, we will not provide site repairs beyond what is outlined above unless specifically contracted. Alternatively, we will remove excess spoils from job sites and dispose of them in an approved manner for a negotiated fee.

Please note that some disturbance to off-pavement/gravel covered the surface areas, including the possible cutting of trees, running over of brush and understory in wooded areas might occur. We will attempt to limit such disturbance; however, we have not budgeted for site repairs including filling of tire ruts, seeding of lawn areas, or the planting of trees. If necessary, additional site restoration can be provided at an additional cost.

Closing

Our insurance carrier requires that we receive written authorization prior to initiation of work, and a signed contract prior to the release of any work product. Your acceptance of this proposal may be indicated by signing and returning the enclosed Proposal Acceptance Form. Our work will be done in accordance with the attached Terms and Conditions which is made a part of this proposal.

Thank you for the opportunity to submit this proposal to provide services and serve as your consultant. We look forward to working with you on this project, and to hopefully serve as your consultant in the future. If you have any questions, or if we can be of any additional service, please contact us at (904) 880.0960.

Respectfully submitted,
ECS FLORIDA, LLC



Chris M. Egan, P.E.
Geotechnical Department Manager
CEgan@ecslimited.com



Robert W. Clark, P.E.
Senior Project Engineer
rwclark@ecslimited.com

Attachments: Proposal Acceptance Form
ECS Terms and Conditions of Service

PROPOSAL ACCEPTANCE FORM
ECS FLORIDA, LLC

Project Name: County Road 210 Design-Build
Location: County Road 210, St. Johns County, Florida
Fee: \$21,700 Private Utility Locator

Indicate if a private utility locator is requested by checking the box above for private utility locator.
The fee will be established based on site specific requirements.

Please complete and return this Proposal Acceptance Form to ECS as shown at the bottom of this form. By signing and returning this form, you are authorizing ECS to proceed, providing ECS permission to enter the site, and making this proposal the agreement between ECS and Client. Your signature also indicates you have read this document and the Terms and Conditions of Service in their entirety and agree to pay for services as above set forth.

CLIENT AND BILLING INFORMATION

Name of Client: _____
Contact Person: _____
Telephone No.: _____
E-mail: _____

	<u>Responsible for Payment</u>	<u>Approval of Invoice (if different)</u>
Contact Name:	_____	_____
Company Name:	_____	_____
Address:	_____	_____
Address:	_____	_____
City, State, Zip:	_____	_____
Telephone No.:	_____	_____
Fax No:	_____	_____
E-mail Address:	_____	_____

The reports are normally e-mailed directly to client. If you require copies to others, please provide their names, e-mail addresses and fax numbers below.

Name	E-mail Address	Phone Number	Fax Number
_____	_____	_____	_____
_____	_____	_____	_____

Special Instructions: _____

Client Signature: x _____ Date: _____



ECS FLORIDA, LLC TERMS AND CONDITIONS OF SERVICE

The professional services ("Services") to be provided by ECS Florida, LLC ("ECS") pursuant to the Proposal shall be provided in accordance with these Terms and Conditions of Service ("Terms"), including any addenda as may be incorporated or referenced in writing and shall form the Agreement between ECS and CLIENT.

1.0 INDEPENDENT CONSULTANT STATUS - ECS shall serve as an independent professional consultant to CLIENT for Services on the Project and shall have control over, and responsibility for, the means and methods for providing the Services identified in the Proposal, including the retention of Subcontractors and Subconsultants

2.0 SCOPE OF SERVICES - It is understood that the fees, reimbursable expenses and time schedule defined in the Proposal are based on information provided by CLIENT and/or CLIENT'S agents, contractors and consultants ("Contractors"). CLIENT acknowledges that if this information is not current, is incomplete or inaccurate, if conditions are discovered that could not be reasonably foreseen, or if CLIENT orders additional services, the scope of services will change, even while the Services are in progress.

3.0 STANDARD OF CARE

3.1 In fulfilling its obligations and responsibilities enumerated in the Proposal, ECS shall be expected to comply with and its performance evaluated in light of the standard of care expected of professionals in the industry performing similar services on projects of like size and complexity at that time in the region (the "Standard of Care"). Nothing contained in the Proposal, the agreed-upon scope of Services, these Terms or any ECS report, opinion, plan or other document prepared by ECS shall constitute a warranty or guarantee of any nature whatsoever.

3.2 CLIENT understands and agrees that ECS will rely on the facts learned from data gathered during performance of Services as well as those facts provided by the CLIENT and/or CLIENT'S contractors and consultants. CLIENT acknowledges that such data collection is limited to specific areas that are sampled, bored, tested, observed and/or evaluated. Consequently, CLIENT waives any and all claims based upon erroneous facts provided by the CLIENT, facts subsequently learned or regarding conditions in areas not specifically sampled, bored, tested, observed or evaluated by ECS.

3.3 If a situation arises that causes ECS to believe compliance with CLIENT'S directives would be contrary to sound engineering practices, would violate applicable laws, regulations or codes, or will expose ECS to legal claims or charges, ECS shall so advise CLIENT. If ECS' professional judgment is rejected, ECS shall have the right to terminate its Services in accordance with the provisions of Section 25.0, below.

3.4 If CLIENT decides to disregard ECS' recommendations with respect to complying with applicable laws or regulations, ECS shall determine if applicable law requires ECS to notify the appropriate public officials. CLIENT agrees that such determinations are ECS' sole right to make.

4.0 CLIENT DISCLOSURES

4.1 Where the Services requires ECS to penetrate a surface, CLIENT shall furnish and/or shall direct CLIENT'S or CLIENT'S Contractors to furnish ECS information identifying the type and location of utility lines and other man-made objects known, suspected, or assumed to be located beneath or behind the Site's surface. ECS shall be entitled to rely on such information for completeness and accuracy without further investigation, analysis, or evaluation.

4.2 "Hazardous Materials" shall include but not be limited to any substance that poses or may pose a present or potential hazard to human health or the environment whether contained in a product, material, by-product, waste, or sample, and whether it exists in a solid, liquid, semi-solid or gaseous form. CLIENT shall notify ECS of any known, assumed, or suspected regulated, contaminated, or other similar Hazardous Materials that may exist at the Site prior to ECS mobilizing to the Site.

4.3 If any Hazardous Materials are discovered, or are reasonably suspected by ECS after its Services begin, ECS shall be entitled to amend the scope of Services and adjust its fees or fee schedule to reflect any additional work or personal protective equipment and/or safety precautions required by the existence of such Hazardous Materials.

5.0 INFORMATION PROVIDED BY OTHERS - CLIENT waives, releases and discharges ECS from and against any claim for damage, injury or loss allegedly arising out of or in connection with errors, omissions, or inaccuracies in documents and other information in any form provided to ECS by CLIENT or CLIENT'S Contractors, including such information that becomes incorporated into ECS documents.

6.0 CONCEALED RISKS - CLIENT acknowledges that special risks are inherent in sampling, testing and/or evaluating concealed conditions that are hidden from view and/or neither readily apparent nor easily accessible, e.g., subsurface conditions, conditions behind a wall, beneath a floor, or above a ceiling. Such circumstances require that certain assumptions be made regarding existing conditions, which may not be verifiable without expending additional sums of money or destroying otherwise adequate or serviceable portions of a building or component thereof. Accordingly, ECS shall not be responsible for the verification of such conditions unless verification can be made by simple visual observation. CLIENT agrees to bear any and all costs, losses, damages and expenses (including, but not limited to, the cost of ECS' additional services) in any way arising from or in connection with the existence or discovery of such concealed or unknown conditions.

7.0 RIGHT OF ENTRY/DAMAGE RESULTING FROM SERVICES

7.1 CLIENT warrants that it possesses the authority to grant ECS right of entry to the site for the performance of Services. CLIENT hereby grants ECS and its agents, subcontractors and/or subconsultants ("Subconsultants"), the right to enter from time to time onto the property in order for ECS to perform its Services. CLIENT agrees to indemnify and hold ECS and its Subconsultants harmless from any claims arising from allegations that ECS trespassed or lacked authority to access the Site.

7.2 CLIENT warrants that it possesses all necessary permits, licenses and/or utility clearances for the Services to be provided by ECS except where ECS' Proposal explicitly states that ECS will obtain such permits, licenses, and/or utility clearances.

7.3 ECS will take reasonable precautions to limit damage to the Site and its improvements during the performance of its Services. CLIENT understands that the use of exploration, boring, sampling, or testing equipment may cause damage to the Site. The correction and restoration of such common damage is CLIENT'S responsibility unless specifically included in ECS' Proposal.

7.4 CLIENT agrees that it will not bring any claims for liability or for injury or loss against ECS arising from (i) procedures associated with the exploration, sampling or testing activities at the Site, (ii) discovery of Hazardous Materials or suspected Hazardous Materials, or (iii) ECS' findings, conclusions, opinions, recommendations, plans, and/or specifications related to discovery of contamination.

8.0 UNDERGROUND UTILITIES

8.1 ECS shall exercise the Standard of Care in evaluating client-furnished information as well as information readily and customarily available from public utility locating services (the "Underground Utility Information") in its effort to identify underground utilities. The extent of such evaluations shall be at ECS' sole discretion.

8.2 CLIENT recognizes that the Underground Utility Information provided to or obtained by ECS may contain errors or be incomplete. CLIENT understands that ECS may be unable to identify the locations of all subsurface utility lines and man-made features.

8.3 CLIENT waives, releases, and discharges ECS from and against any claim for damage, injury or loss allegedly arising from or related to subterranean structures (pipes, tanks, cables, or other utilities, etc.) which are not called to ECS' attention in writing by CLIENT, not correctly shown on the Underground Utility Information and/or not properly marked or located by the utility owners, governmental or quasi-governmental locators, or private utility locating services as a result of ECS' or ECS' Subconsultant's request for utility marking services made in accordance with local industry standards.

9.0 SAMPLES

9.1 Soil, rock, water, building materials and/or other samples and sampling by-products obtained from the Site are and remain the property of CLIENT. Unless other arrangements are requested by CLIENT and mutually agreed upon by ECS in writing, ECS will retain samples not consumed in laboratory testing for up to sixty (60) calendar days after the first issuance of any document containing data obtained from such samples. Samples consumed by laboratory testing procedures will not be stored.

9.2 Unless CLIENT directs otherwise, and excluding those issues covered in Section 10.0, CLIENT authorizes ECS to dispose of CLIENT'S non-hazardous samples and sampling or testing by-products in accordance with applicable laws and regulations.

10.0 ENVIRONMENTAL RISKS

10.1 When Hazardous Materials are known, assumed, suspected to exist, or discovered at the Site, ECS will endeavor to protect its employees and address public health, safety, and environmental issues in accordance with the Standard of Care. CLIENT agrees to compensate ECS for such efforts.

10.2 When Hazardous Materials are known, assumed, or suspected to exist, or discovered at the Site, ECS and/or ECS' subcontractors will exercise the Standard of Care in containerizing and labeling such Hazardous Materials in accordance with applicable laws and regulations, and will leave the containers on Site. CLIENT is responsible for the retrieval, removal, transport and disposal of such contaminated samples, and sampling process byproducts in accordance with applicable law and regulation.

10.3 Unless explicitly stated in the Scope of Services, ECS will neither subcontract nor arrange for the transport, disposal, or treatment of Hazardous Materials. At CLIENT'S written request, ECS may assist CLIENT in identifying appropriate alternatives for transport, off-site treatment, storage, or disposal of such substances, but CLIENT shall be solely responsible for the final selection of methods and firms to provide such services. CLIENT shall sign all manifests for the disposal of substances affected by contaminants and shall otherwise exercise prudence in arranging for lawful disposal.

10.4 In those instances where ECS is expressly retained by CLIENT to assist CLIENT in the disposal of Hazardous Materials, samples, or wastes as part of the Proposal, ECS shall do so only as CLIENT'S agent (notwithstanding any other provision of this Agreement to the contrary). ECS will not assume the role of, nor be considered a generator, storer, transporter, or disposer of Hazardous Materials.

10.5 Subsurface sampling may result in unavoidable cross-contamination of certain subsurface areas, as when a probe or excavation/boring device moves through a contaminated zone and links it to an aquifer, underground stream, previous soil stratum, or other hydrous body not previously contaminated, or connects an uncontaminated zone with a contaminated zone. Because sampling is an essential element of the Services indicated herein, CLIENT agrees this risk cannot be eliminated. Provided such services were performed in accordance with the Standard of Care, CLIENT waives, releases and discharges ECS from and against any claim for damage, injury, or loss allegedly arising from or related to such cross-contamination.

10.6 CLIENT understands that a Phase I Environmental Site Assessment (ESA) is conducted solely to permit ECS to render a professional opinion about the likelihood of the site having a Recognized Environmental Condition on, in, beneath, or near the Site at the time the Services are conducted. No matter how thorough a Phase I ESA study may be, findings derived from its conduct are highly limited and ECS cannot know or state for an absolute fact that the Site is unaffected or adversely affected by one or more Recognized Environmental Conditions. CLIENT represents and warrants that it understands the limitations associated with Phase I ESAs.

11.0 OWNERSHIP OF DOCUMENTS

- 11.1 ECS shall be deemed the author and owner (or licensee) of all documents, technical reports, letters, photos, boring logs, field data, field notes, laboratory test data, calculations, designs, plans, specifications, reports, or similar documents and estimates of any kind furnished by it [the "Documents of Service"] and shall retain all common law, statutory and other reserved rights, including copyrights. CLIENT shall have a limited, non-exclusive license to use copies of the Documents of Service provided to it in connection with its Project for which the Documents of Service are provided until the completion of the Project.
- 11.2 ECS' Services are performed and Documents of Service are provided for the CLIENT'S sole use. CLIENT understands and agrees that any use of the Documents of Service by anyone other than the CLIENT and its Contractors is not permitted. CLIENT further agrees to indemnify and hold ECS harmless for any errors, omissions or damage resulting from its contractors' use of ECS' Documents of Service.
- 11.3 Without ECS' prior written consent, CLIENT agrees to not use ECS' Documents of Service for the Project if the Project is subsequently modified in scope, structure or purpose. Any reuse without ECS' written consent shall be at CLIENT'S sole risk and without liability to ECS or its Subconsultants. CLIENT agrees to indemnify and hold ECS harmless for any errors, omissions or Damage resulting from its use of ECS' Documents of Service after any modification in scope, structure or purpose.
- 11.4 CLIENT agrees to not make any modification to the Documents of Service without the prior written authorization of ECS. To the fullest extent permitted by law, CLIENT agrees to indemnify, defend, and hold ECS harmless from any damage, loss, claim, liability or cost (including reasonable attorneys' fees and defense costs) arising out of or in connection with any unauthorized modification of the Documents of Service by CLIENT or any person or entity that acquires or obtains the Documents of Service from or through CLIENT. CLIENT represents and warrants that the Documents of Service shall be used only as submitted by ECS.

12.0 SAFETY

- 12.1 Unless expressly agreed to in writing in its Proposal, CLIENT agrees that ECS shall have no responsibility whatsoever for any aspect of site safety other than for its own employees. Nothing herein shall be construed to relieve CLIENT and/or its Contractors from their responsibility for site safety. CLIENT also represents and warrants that the General Contractor is solely responsible for Project site safety and that ECS personnel may rely on the safety measures provided by the General Contractor.
- 12.2 In the event ECS assumes in writing limited responsibility for specified safety issues, the acceptance of such responsibilities does not and shall not be deemed an acceptance of responsibility for any other non-specified safety issues, including, but not limited to those relating to excavating, fall protection, shoring, drilling, backfilling, blasting, or other construction activities.

13.0 CONSTRUCTION TESTING AND REMEDIATION SERVICES

- 13.1 CLIENT understands that construction testing and observation services are provided in an effort to reduce, but cannot eliminate, the risk of problems arising during or after construction or remediation. CLIENT agrees that the provision of such Services does not create a warranty or guarantee of any type.
- 13.2 Monitoring and/or testing services provided by ECS shall not in any way relieve the CLIENT'S contractor(s) from their responsibilities and obligations for the quality or completeness of construction as well as their obligation to comply with applicable laws, codes, and regulations.
- 13.3 ECS has no responsibility whatsoever for the means, methods, techniques, sequencing or procedures of construction selected, for safety precautions and programs incidental to work or services provided by any contractor or other consultant. ECS does not and shall not have or accept authority to supervise, direct, control, or stop the work of any of CLIENT'S Contractors or any of their subcontractors.
- 13.4 ECS strongly recommends that CLIENT retain ECS to provide construction monitoring and testing services on a full time basis to lower the risk of defective or incomplete work being installed by CLIENT'S Contractors. If CLIENT elects to retain ECS on a part-time or on-call basis for any aspect of construction monitoring and/or testing, CLIENT accepts the risk that a lower level of construction quality may occur and that defective or incomplete work may result and not be detected by ECS' part time monitoring and testing in exchange for CLIENT'S receipt of an immediate cost savings. Unless the CLIENT can show that ECS' errors or omissions are contained in ECS' reports, CLIENT waives, releases and discharges ECS from and against any other claims for errors, omissions, damages, injuries, or loss alleged to arise from defective or incomplete work that was monitored or tested by ECS on a part-time or on-call basis. Except as set forth in the preceding sentence, CLIENT agrees to indemnify and hold ECS harmless from all Damages, costs, and attorneys' fees, for any claims alleging errors, omissions, damage, injury or loss allegedly resulting from work that was monitored or tested by ECS on a part-time or on-call basis.

- 14.0 **CERTIFICATIONS** - CLIENT may request, or governing jurisdictions may require, ECS to provide a "certification" regarding the Services provided by ECS. Any "certification" required of ECS by the CLIENT or jurisdiction(s) having authority over some or all aspects of the Project shall consist of ECS' Inferences and professional opinions based on the limited sampling, observations, tests, and/or analyses performed by ECS at discrete locations and times. Such "certifications" shall constitute ECS' professional opinion of a condition's existence, but ECS does not guarantee that such condition exists, nor does it relieve other parties of the responsibilities or obligations such parties have with respect to the possible existence of such a condition. CLIENT agrees it cannot make the resolution of any dispute with ECS or payment of any amount due to ECS contingent upon ECS signing any such "certification."

15.0 BILLINGS AND PAYMENTS

- 15.1 Billings will be based on the unit rates, plus travel costs, and other reimbursable expenses as stated in the professional fees section of the Proposal. Any estimate of professional fees stated shall not be considered as a not-to-exceed or lump sum amount unless otherwise explicitly stated. CLIENT understands and agrees that even if ECS agrees to a lump sum or not-to-exceed amount, that amount shall be

limited to number of hours, visits, trips, tests, borings, or samples stated in the Proposal.

- 15.2 CLIENT agrees that all professional fees and other unit rates may be adjusted annually to account for inflation based on the most recent 12-month average of the Consumer Price Index (CPI-U) for all items as established by www.bls.gov when the CPI-U exceeds an annual rate of 2.0%.
- 15.3 Should ECS identify a Changed Condition(s), ECS shall notify the CLIENT of the Changed Condition(s). ECS and CLIENT shall promptly and in good faith negotiate an amendment to the scope of Services, professional fees, and time schedule.
- 15.4 CLIENT recognizes that time is of the essence with respect to payment of ECS' invoices, and that timely payment is a material consideration for this Agreement. All payment shall be in U.S. funds drawn upon U.S. banks and in accordance with the rates and charges set forth in the professional Fees. Invoices are due and payable upon receipt.
- 15.5 If CLIENT disputes all or part of an invoice, CLIENT shall provide ECS with written notice stating in detail the facts of the dispute within fifteen (15) calendar days of the invoice date. CLIENT agrees to pay the undisputed amount of such invoice promptly.
- 15.6 ECS reserves the right to charge CLIENT an additional charge of one-and-one-half (1.5) percent (or the maximum percentage allowed by Law, whichever is lower) of the invoiced amount per month for any payment received by ECS more than thirty (30) calendar days from the date of the invoice, excepting any portion of the invoiced amount in dispute. All payments will be applied to accrued interest first and then to the unpaid principal amount. Payment of invoices shall not be subject to unilateral discounting or set-offs by CLIENT.
- 15.7 CLIENT agrees that its obligation to pay for the Services is not contingent upon CLIENT'S ability to obtain financing, zoning, approval of governmental or regulatory agencies, permits, final adjudication of a lawsuit, CLIENT'S successful completion of the Project, settlement of a real estate transaction, receipt of payment from CLIENT'S client, or any other event unrelated to ECS provision of Services. Retainage shall not be withheld from any payment, nor shall any deduction be made from any invoice on account of penalty, liquidated damages, or other sums incurred by CLIENT. It is agreed that all costs and legal fees including actual attorney's fees, and expenses incurred by ECS in obtaining payment under this Agreement, in perfecting or obtaining a lien, recovery under a bond, collecting any delinquent amounts due, or executing judgments, shall be reimbursed by CLIENT.
- 15.8 Unless CLIENT has provided notice to ECS in accordance with Section 16.0 of these Terms, payment of any invoice by the CLIENT shall mean that the CLIENT is satisfied with ECS' Services and is not aware of any defects in those Services.

16.0 DEFECTS IN SERVICE

- 16.1 CLIENT and CLIENT'S Contractors shall promptly inform ECS during active work on any project of any actual or suspected defects in the Services so to permit ECS to take such prompt, effective remedial measures that in ECS' opinion will reduce or eliminate the consequences of any such defective Services. The correction of defects attributable to ECS' failure to perform in accordance with the Standard of Care shall be provided at no cost to CLIENT. However, ECS shall not be responsible for the correction of any deficiency attributable to client-furnished information, the errors, omissions, defective materials, or improper installation of materials by CLIENT'S personnel, consultants or contractors, or work not observed by ECS. CLIENT shall compensate ECS for the costs of correcting such defects.
- 16.2 Modifications to reports, documents and plans required as a result of jurisdictional reviews or CLIENT requests shall not be considered to be defects. CLIENT shall compensate ECS for the provision of such Services.

- 17.0 **INSURANCE** - ECS represents that it and its subcontractors and subconsultants maintain workers compensation insurance, and that ECS is covered by general liability, automobile and professional liability insurance policies in coverage amounts it deems reasonable and adequate. ECS shall furnish certificates of insurance upon request. The CLIENT is responsible for requesting specific inclusions or limits of coverage that are not present in ECS insurance package. The cost of such inclusions or coverage increases, if available, will be at the expense of the CLIENT.

18.0 LIMITATION OF LIABILITY

- 18.1 CLIENT AGREES TO ALLOCATE CERTAIN RISKS ASSOCIATED WITH THE PROJECT BY LIMITING ECS' TOTAL LIABILITY TO CLIENT ARISING FROM ECS' PROFESSIONAL LIABILITY, I.E. PROFESSIONAL ACTS, ERRORS, OR OMISSIONS AND FOR ANY AND ALL CAUSES INCLUDING NEGLIGENCE, STRICT LIABILITY, BREACH OF CONTRACT, OR BREACH OF WARRANTY, INJURIES, DAMAGES, CLAIMS, LOSSES, EXPENSES, OR CLAIM EXPENSES (INCLUDING REASONABLE ATTORNEY'S FEES) RELATING TO PROFESSIONAL SERVICES PROVIDED UNDER THIS AGREEMENT TO THE FULLEST EXTENT PERMITTED BY LAW. THE ALLOCATION IS AS FOLLOWS.
 - 18.1.1 If the proposed fees are \$10,000 or less, ECS' total aggregate liability to CLIENT shall not exceed \$20,000, or the total fee received for the services rendered, whichever is greater.
 - 18.1.2 If the proposed fees are in excess of \$10,000, ECS' total aggregate liability to CLIENT shall not exceed \$50,000, or the total fee for the services rendered, whichever is greater.
- 18.2 CLIENT agrees that ECS shall not be responsible for any injury, loss or damage of any nature, including bodily injury and property damage, arising directly or indirectly, in whole or in part, from acts or omissions by the CLIENT, its employees, agents, staff, consultants, contractors, or subcontractors to the extent such injury, damage, or loss is caused by acts or omissions of CLIENT, its employees, agents, staff, consultants, contractors, subcontractors or person/entities for whom CLIENT is legally liable.
- 18.3 CLIENT agrees that ECS' liability for all non-professional liability arising out of this Agreement or the services provided as a result of the Proposal be limited to \$500,000.

19.0 INDEMNIFICATION

- 19.1 Subject to Section 18.0, ECS agrees to hold harmless and indemnify CLIENT from and against damages arising from ECS' negligent performance of its Services, but only to the extent that such damages are found to be caused by ECS' negligent

- acts, errors or omissions, (specifically excluding any damages caused by any third party or by the CLIENT.)
- 19.2 To the fullest extent permitted by law, CLIENT agrees to indemnify, and hold ECS harmless from and against any and all liability, claims, damages, demands, fines, penalties, costs and expenditures (including reasonable attorneys' fees and costs of litigation defense and/or settlement) ("Damages") caused in whole or in part by the acts, errors, or omissions of the CLIENT or CLIENT's employees, agents, staff, contractors, subcontractors, consultants, and clients, provided such Damages are attributable to: (a) the bodily injury, personal injury, sickness, disease and/or death of any person; (b) the injury to or loss of value to tangible personal property; or (c) a breach of these Terms. The foregoing indemnification shall not apply to the extent such Damage is found to be caused by the sole negligence, errors, omissions or willful misconduct of ECS.
- 19.3 It is specifically understood and agreed that in no case shall ECS be required to pay an amount of Damages disproportionate to ECS' culpability. IF CLIENT IS A HOMEOWNER, HOMEOWNERS' ASSOCIATION, CONDOMINIUM OWNER, CONDOMINIUM OWNER'S ASSOCIATION, OR SIMILAR RESIDENTIAL OWNER, ECS RECOMMENDS THAT CLIENT RETAIN LEGAL COUNSEL BEFORE ENTERING INTO THIS AGREEMENT TO EXPLAIN CLIENT'S RIGHTS AND OBLIGATIONS HEREUNDER, AND THE LIMITATIONS, AND RESTRICTIONS IMPOSED BY THIS AGREEMENT. CLIENT AGREES THAT FAILURE OF CLIENT TO RETAIN SUCH COUNSEL SHALL BE A KNOWING WAIVER OF LEGAL COUNSEL AND SHALL NOT BE ALLOWED ON GROUNDS OF AVOIDING ANY PROVISION OF THIS AGREEMENT.
- 19.4 IF CLIENT IS A RESIDENTIAL BUILDER OR RESIDENTIAL DEVELOPER, CLIENT SHALL INDEMNIFY AND HOLD HARMLESS ECS AGAINST ANY AND ALL CLAIMS OR DEMANDS DUE TO INJURY OR LOSS INITIATED BY ONE OR MORE HOMEOWNERS, UNIT-OWNERS, OR THEIR HOMEOWNER'S ASSOCIATION, COOPERATIVE BOARD, OR SIMILAR GOVERNING ENTITY AGAINST CLIENT WHICH RESULTS IN ECS BEING BROUGHT INTO THE DISPUTE.
- 19.5 IN NO EVENT SHALL THE DUTY TO INDEMNIFY AND HOLD ANOTHER PARTY HARMLESS UNDER THIS SECTION 19.0 INCLUDE THE DUTY TO DEFEND.
- 20.0 CONSEQUENTIAL DAMAGES**
- 20.1 CLIENT shall not be liable to ECS and ECS shall not be liable to CLIENT for any consequential damages incurred by either due to the fault of the other or their employees, consultants, agents, contractors or subcontractors, regardless of the nature of the fault or whether such liability arises in breach of contract or warranty, tort, statute, or any other cause of action. Consequential damages include, but are not limited to, loss of use and loss of profit.
- 20.2 ECS shall not be liable to CLIENT, or any entity engaged directly or indirectly by CLIENT, for any liquidated damages due to any fault, or failure to act, in part or in total by ECS, its employees, agents, or subcontractors.
- 21.0 SOURCES OF RECOVERY**
- 21.1 All claims for damages related to the Services provided under this Agreement shall be made against the ECS entity contracting with the CLIENT for the Services, and no other person or entity. CLIENT agrees that it shall not name any affiliated entity including parent, peer, or subsidiary entity or any individual officer, director, or employee of ECS.
- 21.2 In the event of any dispute or claim between CLIENT and ECS arising out of in connection with the Project and/or the Services, CLIENT and ECS agree that they will look solely to each other for the satisfaction of any such dispute or claim. Moreover, notwithstanding anything to the contrary contained in any other provision herein, CLIENT and ECS' agree that their respective shareholders, principals, partners, members, agents, directors, officers, employees, and/or owners shall have no liability whatsoever arising out of or in connection with the Project and/or Services provided hereunder. In the event CLIENT brings a claim against an affiliated entity, parent entity, subsidiary entity, or individual officer, director or employee in contravention of this Section 21, CLIENT agrees to hold ECS harmless from and against all damages, costs, awards, or fees (including attorneys' fees) attributable to such act.
- 21.3 For projects located in Florida, the parties agree that **PURSUANT TO FLA. STAT. SECTIONS 558.002 AND 558.0035, CLIENT AGREES THAT AN INDIVIDUAL EMPLOYEE OR AGENT OF ECS MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE FOR ACTS OR OMISSIONS ARISING OUT OF THE SERVICES.**
- 22.0 THIRD PARTY CLAIMS EXCLUSION** - CLIENT and ECS agree that the Services are performed solely for the benefit of the CLIENT and are not intended by either CLIENT or ECS to benefit any other person or entity. To the extent that any other person or entity is benefited by the Services, such benefit is purely incidental and such other person or entity shall not be deemed a third party beneficiary to the Agreement. No third-party shall have the right to rely on ECS' opinions rendered in connection with ECS' Services without written consent from both CLIENT and ECS, which shall include, at a minimum, the third-party's agreement to be bound to the same Terms and Conditions contained herein and third-party's agreement that ECS' Scope of Services performed is adequate.
- 23.0 DISPUTE RESOLUTION**
- 23.1 In the event any claims, disputes, and other matters in question arising out of or relating to these Terms or breach thereof (collectively referred to as "Disputes"), the parties shall promptly attempt to resolve all such Disputes through executive negotiation between senior representatives of both parties familiar with the Project. The parties shall arrange a mutually convenient time for the senior representative of each party to meet. Such meeting shall occur within fifteen calendar (15) days of either party's written request for executive negotiation or as otherwise mutually agreed. Should this meeting fail to result in a mutually agreeable plan for resolution of the Dispute, CLIENT and ECS agree that either party may bring litigation.
- 23.2 CLIENT shall make no claim (whether directly or in the form of a third-party claim) against ECS unless CLIENT shall have first provided ECS with a written certification executed by an independent engineer licensed in the jurisdiction in which the Project is located, reasonably specifying each and every act or omission which the certifier contends constitutes a violation of the Standard of Care. Such certificate shall be a precondition to the institution of any judicial proceeding and shall be provided to ECS thirty (30) days prior to the institution of such judicial proceedings.
- 23.3 Litigation shall be instituted in a court of competent jurisdiction in the county or district in which ECS' office contracting with the CLIENT is located. The parties agree that the law applicable to these Terms and the Services provided pursuant to the Proposal shall be the laws of the Commonwealth of Virginia, but excluding its choice of law rules. Unless otherwise mutually agreed to in writing by both parties, CLIENT waives the right to remove any litigation action to any other jurisdiction. Both parties agree to waive any demand for a trial by jury.
- 24.0 CURING A BREACH**
- 24.1 A party that believes the other has materially breached these Terms shall issue a written cure notice identifying its alleged grounds for termination. Both parties shall promptly and in good faith attempt to identify a cure for the alleged breach or present facts showing the absence of such breach. If a cure can be agreed to or the matter otherwise resolved within thirty (30) calendar days from the date of the termination notice, the parties shall commit their understandings to writing and termination shall not occur.
- 24.2 Either party may waive any right provided by these Terms in curing an actual or alleged breach; however, such waiver shall not affect future application of such provision or any other provision.
- 25.0 TERMINATION**
- 25.1 CLIENT or ECS may terminate this Agreement for breach, non-payment, or a failure to cooperate. In the event of termination, the effecting party shall so notify the other party in writing and termination shall become effective fourteen (14) calendar days after receipt of the termination notice.
- 25.2 Irrespective of which party shall effect termination, or the cause therefore, ECS shall promptly render to CLIENT a final invoice and CLIENT shall immediately compensate ECS for Services rendered and costs incurred including those Services associated with termination itself, including without limitation, demobilizing, modifying schedules, and reassigning personnel.
- 25.3 **TIME BAR TO LEGAL ACTION** - Unless prohibited by law, and notwithstanding any Statute that may provide additional protection, CLIENT and ECS agree that a lawsuit by either party alleging a breach of this Agreement, violation of the Standard of Care, non-payment of invoices, or arising out of the Services provided hereunder, must be initiated in a court of competent jurisdiction no more than two (2) years from the time the party knew, or should have known, of the facts and conditions giving rise to its claim, and shall under no circumstances shall such lawsuit be initiated more than three (3) years from the date of substantial completion of ECS' Services.
- 25.4 **ASSIGNMENT** - CLIENT and ECS respectively bind themselves, their successors, assigns, heirs, and legal representatives to the other party and the successors, assigns, heirs and legal representatives of such other party with respect to all covenants of these Terms. Neither CLIENT nor ECS shall assign these Terms, any rights thereunder, or any cause of action arising therefrom, in whole or in part, without the written consent of the other. Any purported assignment or transfer, except as permitted above, shall be deemed null, void and invalid, the purported assignee shall acquire no rights as a result of the purported assignment or transfer and the non-assigning party shall not recognize any such purported assignment or transfer.
- 25.5 **SEVERABILITY** - Any provision of these Terms later held to violate any law, statute, or regulation, shall be deemed void, and all remaining provisions shall continue in full force and effect. CLIENT and ECS shall endeavor to quickly replace a voided provision with a valid substitute that expresses the intent of the issues covered by the original provision.
- 25.6 **SURVIVAL** - All obligations arising prior to the termination of the agreement represented by these Terms and all provisions allocating responsibility or liability between the CLIENT and ECS shall survive the substantial completion of Services and the termination of the Agreement.
- 30.0 TITLES: ENTIRE AGREEMENT**
- 30.1 The titles used herein are for general reference only and are not part of the Terms.
- 30.2 These Terms together with the Proposal, including all exhibits, appendixes, and other documents appended to it, constitute the entire agreement between CLIENT and ECS ("Agreement"). CLIENT acknowledges that all prior understandings and negotiations are superseded by this Agreement.
- 30.3 CLIENT and ECS agree that subsequent modifications to the Agreement shall not be binding unless made in writing and signed by authorized representatives of both parties.
- 30.4 All preprinted terms and conditions on CLIENT'S purchase order, Work Authorization, or other service acknowledgement forms, are inapplicable and superseded by these Terms and Conditions of Service.
- 30.5 CLIENT'S execution of a Work Authorization, the submission of a start work authorization (oral or written) or issuance of a purchase order constitutes CLIENT'S acceptance of this Proposal and these Terms and their agreement to be fully bound to them. If CLIENT fails to provide ECS with a signed copy of these Terms or the attached Work Authorization, CLIENT agrees that by authorizing and accepting the services of ECS, it will be fully bound by these Terms as if they had been signed by CLIENT.

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project:
County:
FPM:
RFP No.:

St. Johns County - Design Build of CR210 from Greenbrier (Old CR210) to Cimarrone Blvd.
St. Johns
N/A
N/A

Consultant Name: OSIRIS
Consultant No.:
Date: 8/17/2022
Estimator: Terry Crews

Staff Classification	Total Staff Hours From "BH Summary Plan"	SUR Chief Surveyor	SUR Senior Surveyor	SUR Project Surveyor	SUR Survey/CLS	Secretary/Clerical	Senior Utility Coordinator	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	0	0	0	0	0	2794	2809	0	0	0	0	0	0	0	0	0
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Utilities	118	0	0	0	0	5	113	0	0	0	0	0	0	118	28,704	\$241
6. Environmental Permits and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Structures - Misc. Tasks, Dwg, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Staff Hours	118	0	0	0	0	5	113	0	0	0	0	0	0	118		
Total Staff Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$125.70	\$6,904.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$6,703.87	\$56.81

- Notes:
1. This sheet to be used by Subconsultant to calculate its fee.
2. Crew days are based on 8 hour days

NOTE: Hours/Fee for this estimate is associated with carrying UC Services through final design. The scope language/comments reflected under "Tab 7 - Utilities" represent full scope of services for Utility Coordination. Completion of the full scope will be accommodated with a completion of the Two Easy Works UC Scope Fee and the UC Services carried through final design. 3 Person Crew/Tab 7/Utilities Manager/CPM

SALARY RELATED COSTS:		\$6,703.87
OVERHEAD:	150.000%	\$10,055.81
OPERATING MARGIN:	20.000%	\$1,340.77
FCCM (Fixed/Other Capital Cost Money):	0.130%	\$8.72
EXPENSES:	19.059%	\$1,277.09
SURVEY EFFORT		
3 Person Survey Crew	0.00	Total Crew Days
	0.00	Hours \$ - /hour
		Total Survey Effort
		\$0.00
DESIGNATING EFFORT		
3 Person Designating Crew	0.00	Total Crew Days
	0.00	Hours \$ - /hour
		Total Designating Effort
		\$0.00
LOCATING EFFORT		
3 Person Locating Crew	0.00	Total Crew Days
Designating Truck	0.00	Hours \$ - /hour
		Total Locating Effort
		\$0.00
Maintenance Of Traffic		
8 Hour days	0	Total Crew Days
	0	Hours \$ - /hour
		Total MOT Effort
		\$0.00
Subconsultant		
SUBTOTAL ESTIMATED FEE:		\$19,388.28
SUBTOTAL ESTIMATED FEE:		\$19,388.28
Optional Services		\$0.00
GRAND TOTAL ESTIMATED FEE:		\$19,388.28