

CONSULTANT APPROVAL FORM

RECEIVED

FEB 13 2023

ROADS & DRAINAGE DIVISION

CPO: If Consultant fee is under \$50,000 & construction is under \$250,000 (procedure)

CSA: If Construction is under \$4,000,000;

OR for study activity if consultant fee is under \$500,000- FS 287.055(CCNA))

CPO/CSA #: 22-084-01 (Assigned by Procurement)

To be completed by the requesting Division:

Date: 01/06/2023 Division: Roads & Drainage

Project Manager's Name: Jose Fernandez Phone #: 535-2310

Project Name: Rockridge Road Bridge 164138 Replacement

Total Project Budget: \$ 750,000.00 2,500,000 Project # 5400005

Estimate of Construction Cost: \$ 2,000,000.00

Proposed Consultant: CONSOR Engineers, LLC Fee: \$ 341,316.26

Master Consultant Agreement # 22-084

Attach Scope of Services Proposed by the Consultant (Exhibit "A")

Approved By: [Signature]
Division Director/Designee

Date: 1/27/23

Procurement Division

Date Received: 1-26-23

Date Reviewed by Analyst: 1-27-23

Approved by: [Signature]
(Procurement Director/Designee)

County Attorney's Office (Required for all CSA's)

Date Received: 1/31/23

Date Reviewed: 2/3/23

Approved by: Sandra B. Harp
(County Attorney Office Signature)

County Manager's Office (Required if consultant fee is greater than \$100,000)

Date Received: [Signature]

Date Reviewed: 2023/02-06

Approved by: [Signature]
(County Manager Office Signature)

Additional Attachments: number of days to complete project, not to exceed/lump sum amount, justification for consultant selected, fee schedule, and Professional Liability COI (COI applicable to CSA only, description field must be project specific (contract requirement)).

Selection Procedure for Consultants with Continuing Contracts

Division: Roads & Drainage Division
Division Director: Jay M. Jarvis, P.E.

Date Analysis Performed:
 January 20, 2023

CSA 22-084-01

Scope: Rockridge Road Bridge 164138 Replacement

Step 1: Review current list of Master Consultant Agreements

Consultant	Address	Local Y/N	Elevated for Consideration
AECOM	212 E. Main Street, Bartow, FL 33830	Y	Y
AIM Engineering & Survey	195 South Orange, Ave., Suite 1, Bartow, FL 33830	Y	Y
Burgess and Niple	1511 N. Westshore Blvd., Suite 500, Tampa, FL 33607	N	Y
CONSOR Engineers	801 South Florida Ave., Lakeland FL 33801	Y	Y
Dewberry Engineers	202 Lake Miriam Dr., Suite E1, Lakeland, FL 33813	Y	Y
DRMP	1125 Bartow, Rd., Suite 100, Lakeland, FL 33801	Y	Y
HDR Engineering	4830 W. Kennedy Blvd., Suite 400, Tampa, FL 33609	N	Y
HNTB	555 North Broadway Ave., Bartow, FL 33830	Y	Y
Jacobs Engineering Group	5401 W. Kennedy Blvd., Suite 300, Tampa, FL 33609	N	Y
Kissinger Campo & Associates	201 N. Franklin St., Suite 400, Tampa, FL 33602	N	Y
Kimley-Horn and Associates	189 South Orange Avenue, Suite 1000, Orlando, FL 32801	N	Y
Mott MacDonald Florida	8875 Hidden River Way, Suite 300, Tampa, FL 33637	N	Y
NV5	201 South Bumby Avenue, Orlando, FL 32803	N	Y
Patel, Greene, and Associates	215 Easet Main Street, Bartow, FL 33830	Y	Y
Rummel, Klepper & Kahl	402 S. Kentucky Ave., Suite 400, Lakeland, FL 33801	Y	Y
Wood Environmental & Infrastructure Solutions	5051 South Florida Avenue, Suite 301, Lakeland, FL 33813	Y	Y
WSP USA	1649 Williamsburg Square, Suite 206, Lakeland, FL 33803	Y	Y

Step 2: Review List for appropriate Expertise, Experience, and Personnel

Consultant	Expertise	Experience	Personnel	Elevated for Consideration
AECOM	Y	Y	Y	Y
AIM Engineering & Survey	Y	Y	Y	Y
Burgess and Niple	Y	Y	Y	Y
CONSOR Engineers	Y	Y	Y	Y
Dewberry Engineers	Y	Y	Y	Y
DRMP	Y	Y	Y	Y
HDR Engineering	Y	Y	Y	Y
HNTB	Y	Y	Y	Y
Jacobs Engineering Group	Y	Y	Y	Y
Kissinger Campo & Associates	Y	Y	Y	Y
Kimley-Horn and Associates	Y	Y	Y	Y
Mott MacDonald Florida	Y	Y	Y	Y
NV5	Y	Y	Y	Y
Patel, Greene, and Associates	Y	Y	Y	Y
Rummel, Klepper & Kahl	Y	Y	Y	Y
Wood Environmental & Infrastructure Solutions	Y	Y	Y	Y
WSP USA	Y	Y	Y	Y

State justification for each firm not elevated by category:

N/A

State justification for each firm that is elevated by category:

All firms have appropriate expertise, experience, and personnel.

Step 3: Past Performance on Similar Projects Satisfactory

Consultant	Past Performance on Similar Projects Satisfactory	Elevated for Consideration
AECOM	Y	Y
AIM Engineering & Survey	Y	Y
Burgess and Niple	Y	Y
CONSOR Engineers	Y	Y
Dewberry Engineers	Y	Y
DRMP	Y	Y
HDR Engineering	Y	Y
HNTB	Y	Y
Jacobs Engineering Group	Y	Y
Kissinger Campo & Associates	Y	Y
Kimley-Horn and Associates	Y	Y
Mott MacDonald Florida	Y	Y
NV5	Y	Y
Patel, Greene, and Associates	Y	Y
Rummel, Klepper & Kahl	Y	Y

Wood Environmental & Infrastructure Solutions	Y	Y
WSP USA	Y	Y

State justification for each firm not elevated by category:

N/A

Step 4: 24 Month Total Contract Value (RFP 22-242)

Consultant	Contract Value CSA	Contract Value CPO	Elevated for Consideration
AECOM	\$ -	\$	N
AIM Engineering & Survey	\$ -	\$	N
Burgess and Niple	\$ -	\$	N
CONSOR Engineers	\$ -	\$	Y
Dewberry Engineers	\$ -	\$	N
DRMP	\$ -	\$	N
HDR Engineering	\$ -	\$	N
HNTB	\$ -	\$	N
Jacobs Engineering Group	\$ -	\$	N
Kissinger Campo & Associates	\$ -	\$	N
Kimley-Horn and Associates	\$ -	\$	N
Mott MacDonald Florida	\$ -	\$	N
NV5	\$ -	\$	N
Patel, Greene, and Associates	\$ 361,659.28	\$	N
Rummel, Klepper & Kahl	\$ -	\$	N
Wood Environmental & Infrastructure Solutions	\$ -	\$	N
WSP USA	\$ -	\$	N

State justification for each firm not elevated by category:

The new master Service Agreement was approved by the Board on October 4, 2022. All of the proposed FY 22/23 intersection and sidewalk design projects, which vary with scope and complexity, are being distributed among the engineering consultants. CONSOR Engineers was assigned this new project by Roads & drainage staff. The balance of the projects will be assigned throughout the FY via individual CSAs.

Meet Needs of Project Scope, Assigned Professional, Location, Special Needs of Project, Sub-Consultant

Consultant	Meet Scope	Assigned	Location	Special Needs
CONSOR Engineers, LLC	Yes	Scott Radecki, P.E.	Lakeland, FL	None

Step 5: Verify Proposed Scope Consistent with Scope of Services required for project

Proposed Scope has been verified to meet the needs of the project by Jose Fernandez, E.I., Roads & Drainage Division

Step 6: Fee Proposal Fair and Reasonable

Proposed Fee of \$341,312.26 is fair and reasonable, as determined by Jose Fernandez, E.I., Roads & Drainage Division

Step 7: Recommendation

CONSOR is selected

Consultant Services Authorization

Firm	CONSOR Engineers, LLC
Master Agreement No.	22-084
CSA No.	22-084-01
Project Name	Rockridge Road Bridge 164138 Replacement
Project Description	The consultant will provide professional engineering services for the design of Bridge 164138 Replacement on Rockridge Road and the preparation of the associated construction permits, analyses and plans.
Projects Exhibits and Attachments	Exhibit "A"- Scope of Services Exhibit "B"-Fee Schedule (Master Agreement) Exhibit "C"-Reimbursable Cost Schedule Exhibit "D"-Insurance Documents
Duration (in days)	Through completion of all related work.
Compensation	Total Cost Not to Exceed: \$ 341,312.26
Special Contract Conditions	None
Insurance Requirements	Professional Liability
Liquidated Damages	\$ 0.00 Per Day
Budget Source/Availability	14971.540152101.5666000.5400005.71

IN WITNESS WHEREOF, the parties hereto have executed this CSA on this ___ day of _____, 20__.

Attest:

STACY M. BUTTERFIELD

POLK COUNTY, a Political subdivision
of the State of Florida

By: _____
Deputy Clerk

By: _____
Chairman
Board of County Commissioners

Date Approved by Board: _____

Review as to form and legal sufficiency
Sandra B. How 2/3/23
County Attorney's Office Date

Attest:

Matthew P. Lass
Corporate Secretary
SEAL

Date: 1/9/2023



Consor Engineers
CONSULTANT COMPANY NAME
David Bowden
Authorized Corporate Officer

David Bowden, EVP
[Printed Name and Title]

Date: 1/9/2023



EXHIBIT A

SCOPE OF SERVICES

MASTER AGREEMENT NO. 2022-084

ROCKRIDGE RD BRIDGE 164138 REPLACEMENT



Florida's Crossroads of Opportunity

1/4/2023 Revision 4

PROJECT OBJECTIVES

Consor Engineers, LLC (CONSULTANT) will provide professional engineering services for the planned improvements at the following location on Rockridge Road:

- Rockridge Road over Rockridge Ditch Bridge (Existing Bridge No.164138)

The CONSULTANT shall use the Polk County (COUNTY) determined Geosynthetic Reinforced Soil Integrated Bridge System (GRS-IBS) with a Florida Slab Beam (FSB) superstructure for the Rockridge Road bridge replacement, and the roadway approaches shall only be replaced within the as needed limits set during design and at a minimum to the ends of the required guardrail. A similar bridge/roadway typical section, pavement design, and temporary traffic control scheme will be utilized from the COUNTY provided plans of the 2014 FDOT Rockridge Road over Gator Creek bridge replacement



project (FPIDs: 431429-1-52-01 and 431430-1-52-01) located approximately 750' the south to perform engineering services for the planned improvements and prepare construction contract documents. The temporary traffic control scheme consists of a one lane, two-way alternating traffic pattern and temporary signals used for both bridge construction phases. CONSULTANT services for the planned improvements will be developed under the contract parameters of the Master Consulting Agreement for Professional Engineering Services for Roads and Drainage.

SERVICES TO BE PROVIDED BY THE CONSULTANT

The CONSULTANT shall provide the following services:

1. The CONSULTANT shall coordinate a site visit with COUNTY personnel to determine existing conditions, take field measurements and verify intent of scope of services. Site visit shall include visual observations from the ground.
2. The CONSULTANT shall review relevant routine bridge inspection reports, any past repair projects, and original plans. The CONSULTANT shall also review the Survey provided by the COUNTY.
3. Utilizing data collected as part of the scope of services, the CONSULTANT shall perform engineering analysis/design necessary to prepare signed and sealed construction plans, specifications, and quantities (contract documents) which can be used for construction letting for the improvements. All work shall be performed in accordance with the latest versions of the documents listed in this scope of services. The CONSULTANT'S professional engineering services shall include the following:
 - Roadway Analysis and Plans
 - Signing and Pavement Marking Analysis and Plans
 - Temporary Traffic Control Analysis and Plans
 - Temporary Signalization for the Temporary Traffic Control (with Portable Signals)
 - Bridge Hydraulics Report and Bridge Hydraulics Recommendations Sheet
 - GRS-IBS Bridge Design and Plans with a superstructure consisting of Florida Slab Beams (FSBs) and C.I.P. Concrete Topping
 - Critical Temporary Sheet Pile Wall Plans and Design (as required)
 - Drainage Analysis and Plans
 - Specifications (FDOT Specifications for Road and Bridge Construction)
 - Construction Cost Estimates
 - Utility Coordination and Permitting Oversight, Management, and COUNTY Coordination
4. The CONSULTANT shall obtain the services of ECHO Utility Engineering & Survey (EHCO) for utility coordination to identify all existing and proposed utilities which may influence location and design considerations. ECHO's services shall also include making utility contacts, field review of the project site, collecting and reviewing Utility Agency/Owners (UAO's) data and markups, Utility Relocation Schedule & Permit processing and review, final utility certification, and reviewing utility adjustment plan sheets. Based on the information provided by the utility companies during early coordination, the CONSULTANT will prepare construction plans consistent with utility needs along the length of the project and assist with/review any required utility relocation schedules as well as oversight and management of the utility coordination services including coordination with the COUNTY.
5. The CONSULTANT shall obtain the services of Quest Ecology (QUEST) to assist the COUNTY with permitting (SWFWMD, FDEP, and USCG) including filling out the application form(s), providing sketches and drawings along with submitting the permit applications. The CONSULTANT shall oversee and manage the permitting services including coordination with the COUNTY as well as aiding ESciences with permit sketches and drawings, as necessary.
6. The CONSULTANT shall obtain the services of QUEST to flag any wetlands, wildlife evaluation, and prepare a Natural Resources Evaluation Summary Report.
7. The CONSULTANT shall obtain the services of ECHO to perform Subsurface Utility Exploration (SUE) to verify underground utility locations, as required by the COUNTY.
8. The CONSULTANT shall obtain the services of AREHNA Engineering to perform all geotechnical services including but not limited to:



- Services of a Geotechnical Engineering Firm to perform subsurface investigation/analysis and develop Geotechnical recommendations for the roadway, both GRS abutments, and two temporary sheet pile walls in accordance with current FDOT criteria including two (2) SPT borings to 50' for the bridge and two (2) undisturbed Shelby tube samples of clay soils.
 - Provide internal and external stability analysis/design (LRFD) for GRS abutments per 2022 FDOT Structures Design Guidelines 3.13.4.A and 2012 FHWA-HRT-11-026 "Geosynthetic Reinforced Soil Integrated Bridge System Interim Implementation Guide" 4.3.6 (External Stability - Direct Sliding, Bearing Capacity, Global Stability) and 4.3.7 (Internal Stability - Ultimate Capacity, Vertical and Lateral Deformations, Required Reinforcement Length, Depth of Bearing Bed Reinforcement).
 - Review and provide any required changes/updates to FDOT Developmental Specification 549 Geosynthetic Reinforced Soil Abutments & Walls based the internal and external stability analysis and site conditions.
 - Provide a GRS-IBS drawing to include the "GRS-IBS Design Dimensions" table, "Soil Properties:" notes, and "Geosynthetic Reinforcement:" notes per the FDOT Developmental Design Standard Plans Instructions Index D549-025 GRS-IBS in AutoCAD and PDF formats. Florida PE to sign and seal this sheet for the project plan set.
 - Geotechnical Engineering Firm shall be required to coordinate with CONSULTANT throughout the duration of the project and update reports/recommendations as required.
 - Provide monitor existing structure recommendations.
 - Geotechnical reports shall be provided to the CONSULTANT for each project submittal with the latest geotechnical information.
 - Provide Report of Core Boring plan sheets in CADD and PDF formats per the latest FDOT criteria including environmental classifications. No roadway borings or Soil Survey sheets provided.
 - Provide professional engineer to sign and seal the project plan set which will include the boring sheets.
9. All plan sheets shall be submitted to the COUNTY in PDF format and ledger (11"x17") paper size.
10. The CONSULTANT shall attend project related meetings virtually as required.
11. The CONSULTANT shall allow for three (3) weeks review time by the COUNTY after each submittal at which time the COUNTY will forward written comments to the CONSULTANT. Written responses to the COUNTY comments shall be forwarded to the COUNTY within two (2) weeks after receiving. All comments and responses shall be resolved prior to the next submittal.
12. CONSULTANT shall prepare the professional engineer services as listed above in accordance with the current editions of the following standards/guidelines:
- FDOT Structures Manual (2022)
 - FDOT Standard Plans for Road and Bridge Construction FY2022-23
 - FDOT Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (Florida Greenbook 2018)
 - FDOT Drainage Manual (2022)
 - AASHTO Guidelines for Geometric Design of Low-Volume Roads (2019)
 - Polk County Technical Standards Manual (2009)
13. CONSULTANT shall perform Post Design Services as detailed below:
- Respond to Bid Questions as requested by the COUNTY.
 - Attend the pre-construction meeting, as required. The CONSULTANT is not required to attend meetings during construction including kick-off and progress meetings.
 - Meet with the COUNTY's Engineer in the office, field, or virtual meeting as required by the COUNTY to address construction issues.
 - Respond to Requests for Clarification (RFC) as requested by the COUNTY.



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- Respond to Requests for Information (RFI) and Requests for Modification (RFM) transmitted to the CONSULTANT from the COUNTY's Engineer. This includes review and comment on any proposed design changes, proposed by the Contractor, as requested by the COUNTY.
- Review shop drawings and approve/comment as requested by the COUNTY.
- Deliverables to include:
 - Stamped shop drawings with review comments or approvals.
 - Written email responses to RFI, RFM and RFC's.

14. NOT INCLUDED IN CONSULTANT SERVICES:

- Public Involvement
- Pavement Design
- Construction Engineering Inspection services.
- Cultural Resource Assessment Surveys, MOA Development, Historic American Engineering Record (HAER) Documentation.
- Temporary Strain Pole design and plans for temporary MOT.
- All historical significance research, as well as coordination with the Florida Department of State Historical Resources including determination if the bridge is included in the National Register of Historic Places (NHRP).

SERVICES TO BE PROVIDED BY POLK COUNTY

The COUNTY shall provide the following:

1. Copies of all original and repair bridge/roadway plans (preferably in electronic format).
1. Copies of all bridge inspection reports (preferably in electronic format).
2. Copies of all existing traffic information and crash data (preferably in electronic format).
3. Copies of right of way maps or maintenance maps (preferably in electronic format).
4. Copies of all existing aerials (preferably in electronic format).
5. All survey services including but not limited to:
 - Project limits for survey shall be defined as:
 - Along Rockridge Rd: 650' before and after Bridge #164138 and 100' down any side streets within the project limits.
 - Survey of all features within the project limits delivered to the CONSULTANT in CADD and PDF formats:
 - Right of way mapping.
 - Existing horizontal and vertical topography.
 - Existing above ground and visible utilities.
 - Existing drainage structures/pipes.
 - Horizontal/vertical control points tied to the baseline of survey and referenced to the FL SPC system.
 - Wetland locations.
 - Provide a baseline of survey with stations along the center of the Rockridge Road right-of-way.
 - Survey of the existing bridge #164138 to include existing bridge elevations and limits for deck joints, barriers, wingwalls, foundations, slope protection, water elevation, and low member elevation of bottom of bridge deck slab.
 - Topographic and DTM information throughout the project limits and a minimum of 25' outside of the right-of-way.
 - Topographical and DTM information along waterway channel:
 - Bridge #164138 – 100 feet upstream and downstream of Rockridge Road. Survey limits shall include top of banks, bottom of banks, centerline of channel plus a minimum 15' outside top of bank. Provide water surface elevation at time of survey.
 - Survey of geotechnical boring locations based on the CONSULTANT's coordination with the COUNTY Survey and Mapping Section.



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- Additional survey needs as they arise throughout the duration of the project based on the CONSULTANT's coordination with the COUNTY Surveying and Mapping Section for any additional survey needs.
- 6. All Public Involvement. The CONSULTANT shall provide project related information produced under this scope in a timely manner to the COUNTY to aid in their public involvement efforts.
- 7. All contamination screening evaluations and remediation, as required.
- 8. All asbestos survey reports, as required.
- 9. All permitting fees.
- 10. All required mitigation and associated fees.
- 11. All vessel survey reports, as required.
- 12. All Right-of-Way impact/acquisition information. The CONSULTANT shall coordinate right of way acquisition needs based upon horizontal/vertical alignment criteria while the COUNTY will be responsible for final right of way map preparation, legal sketches, fee estimates, etc. to obtain ultimate property acquisition.

SUBMITTALS

The CONSULTANT shall email progress submittals (PDF format) of the Construction Plan Set and cost estimate at the 60%, 90% and 100% stages to the COUNTY for review and comment. After the 100% submittal and upon COUNTY acceptance of all CONSULTANT comment responses, the CONSULTANT shall email the final electronically signed and sealed set of all contract documents with all signed and sealed project files, CADD drawings in AutoCAD format, and signed and sealed design calculations to the COUNTY Project Manager.

BEGINNING AND LENGTH OF SERVICES

The above outlined services shall begin upon the receipt of the Notice to Proceed (NTP) from the COUNTY. The CONSULTANT shall provide a schedule to the COUNTY for the design services described above within 2 weeks after NTP. The COUNTY shall review and approve the design schedule prior to the CONSULTANT beginning work. For COUNTY planning purposes, an estimated 15-month schedule is anticipated for this scope following NTP.

COMPENSATION

Compensation for the above services shall be a Limiting Amount of \$341,312.26 in accordance with the attached letter and Estimate of Work Effort and Cost spreadsheet summarizing the fees and work effort.



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January 4, 2023

Jose Fernandez, EI
Project Manager
Polk County Roads & Drainage Division
3000 Sheffield Road
Winter Haven, FL 33880

Re: Design Scope and Fee Proposal Revision 4 for:
Rockridge Rd Bridge 164138 Replacement
Master Consulting Agreement No. 2022-084

Mr. Fernandez,

Consor Engineers, LLC (CONSOR) is pleased to submit this fee proposal for the following scoped task assignments:

1. Roadway and GRS-IBS bridge design services at Rockridge Road over Rockridge Ditch Bridge (#164138).

Accordingly, our fees commensurate with the above scope are noted in the table below.

Service	Limiting Amount Fee
1. Roadway and GRS-IBS bridge design services at Rockridge Road over Rockridge Ditch Bridge (#164138).	\$341,312.26

The total for this assignment is a limiting amount of **\$341,312.26**.

Attached to this letter is an associated "Estimate of Work Effort and Cost" as fee proposal backup documentation for your review.

CONSOR is pleased to continue to support Polk County and look forward to serving the County on this assignment.

Sincerely,

C. Scott Radecki, PE
Project Manager
Consor Engineers, LLC

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: ROCKRIDGE RD BRIDGE 164138 REPLACEMENT
 County: Polk County
 MASTER CONSULTING AGREEMENT: 17-053

Consultant Name: Consor Engineers, LLC
 Consultant No.: DZ20489FL01
 Date: 1/4/2023
 Estimator: Scott Radecki, PE

Staff Classification	Total Staff Hours From "SH Firm"	Chief Engineer	Senior Engineer - Structures	Project Engineer - Structures	Engineer Intern - Structures	Senior Technician	Senior Engineer - Roadway	Project Engineer - Roadway	Senior Engineer - Drainage	Engineer Intern - Drainage	Project Engineer - Traffic Control	—	—	Staff Hours By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	173	9	121		34									173	\$36,966	\$213.68
4. Roadway Analysis	228	11	0	0	0	103	9	68	0	0	0	0	0	228	\$38,344	\$168.18
5. Roadway Plans	117	6	0	0	0	75	12	23	0	0	0	0	0	116	\$17,148	\$147.83
6a. Drainage Analysis	225	11	0	0	0	0	0	0	68	146	0	0	0	225	\$30,570	\$135.87
6b. Drainage Plans	41	2	0	0	0	0	0	0	8	31	0	0	0	41	\$5,078	\$123.85
7. Utilities	16	0	8	0	0	0	0	8	0	0	0	0	0	16	\$3,336	\$208.50
8. Environmental Permits and Env. Clearances	28	0	14	0	0	0	0	14	0	0	0	0	0	28	\$5,838	\$208.50
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	250	13	124	50	38	25	0	0	0	0	0	0	0	250	\$46,446	\$185.78
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	468	23	94	94	164	94	0	0	0	0	0	0	0	469	\$69,236	\$147.52
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	80	4	12	16	28	20	0	0	0	0	0	0	0	80	\$11,316	\$141.45
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	21	0	0	0	0	17	4	0	0	0	0	0	0	21	\$2,924	\$139.24
20. Signing & Pavement Marking Plans	14	0	0	0	0	11	3	0	0	0	0	0	0	14	\$1,997	\$142.64
21. Signalization Analysis	29	0	0	0	0	13	3	0	0	0	13	0	0	29	\$3,638	\$125.45
22. Signalization Plans	16	0	0	0	0	9	2	0	0	0	6	0	0	17	\$2,172	\$127.76
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)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
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	1,706	79	373	160	264	367	79	113	76	177	19	0	0	1,707	\$275,009.00	\$161.11
Total Staff Cost		\$20,382.00	\$88,401.00	\$21,760.00	\$28,512.00	\$41,104.00	\$20,145.00	\$20,340.00	\$15,656.00	\$16,638.00	\$2,071.00	\$0.00	\$0.00		\$275,009.00	

TOTAL CONSOR FEE:																
Subconsultant:	Quest															\$275,009.00
Subconsultant:	AREHNA															\$18,535.00
Subconsultant:	ECHO UES															\$27,860.14
GRAND TOTAL ESTIMATED FEE:																\$341,312.26

Check = \$275,009.00

December 9, 2022

Scott Radecki, PE
Project Manager/Sr. Structural Engineer
Conсор
sradecki@consoreng.com



QUEST
ecology

RE: Polk County RFP 22-242 - Rockridge Road Environmental Permitting

Dear Mr. Radecki:

We appreciate the opportunity to provide you with this proposal to assist with the environmental permitting for the above referenced project. Our proposed scope of work is detailed below.

Task 1 – Wetland Evaluation

Quest Ecology Inc. (Quest) will compile project background information, to include existing data such as soils, NWI, and field maps in preparation of field reviews. Quest staff will conduct an inspection of the proposed project limits and will delineate the landward extent of wetlands and other surface waters jurisdictional to the Southwest Florida Water Management District (SWFWMD) and the Florida Department of Environmental Protection (FDEP). Quest will use a handheld GPS to record flagged wetland boundaries, and coordinate with the project surveyor providing surveying services for the project to assist them in identifying the location of the flagged wetland boundary. Delineation services will also include field inspection with regulatory agencies as necessary during permitting.

Task 2 – Wildlife Evaluation

Quest will inspect the project area for evidence of the occurrence of wildlife including those listed by State and Federal regulatory agencies as endangered, threatened and species of special concern (listed species). The wildlife evaluation will address the potential occurrence of gopher tortoise, bald eagle, wood stork, and other listed species anticipated to occur based upon existing occurrence data and available suitable habitat on the project site.

Task 3 – Natural Resource Evaluation Summary Report

Quest will provide a Natural Resource Evaluation Summary report documenting the existing environmental conditions including a narrative description of wetlands and other natural habitats associated with the project location, wildlife and listed species habitats and occurrences, and permitting and mitigation requirements for activities that may disturb those habitats. The report will address current environmental permitting criteria of the Southwest Florida Water Management District (SWFWMD) and Section 404 of the federal Clean Water Act (CWA) for activities in Waters of the United States as assumed by the Florida Department of Environmental Protection (FDEP) in accordance with CWA Section 404(g).

Task 4 – SWFWMD & Section 404 Permitting

Quest will prepare the appropriate sections of Environmental Resource Permit (ERP) application for submittal to the SWFWMD that will also include the supplemental Section 404 application information for submittal to the FDEP pursuant to the State of Florida's assumption of the federal Section 404 permitting program in accordance with CWA Section 404(g). It is understood that Quest will prepare each required section of the permit application and include the above Environmental Resource Summary Report to address environmental review criteria. Quest will also prepare the required sections of the permit application that address engineering design criteria based upon information to be provided by CONSOR Engineers. CONSOR Engineers will provide all design plans and engineering information necessary for Quests' preparation of the applicable sections of the ERP and Section 404 applications. Quest, with assistance from CONSOR Engineers, will submit the permit applications electronically following review and approval of Polk County. Permit fees are not included. Quest will coordinate with FDEP regarding any

Quest Ecology Inc. 735 Lakeview Drive, Wimauma, FL 33598 813.642.0799 Fax 813.642.0380

SHPO requirements and contact the FMSF. Quest will respond to SWFWMD and FDEP RAI's and coordinate final permit issuance.

COSTS:

Proposed staffhours by task are provided in the attached Tab 8. Rates and fees are provided below.

Staff	Project Manager	Chief Scientist	Senior Specialist (GIS)	Total Hours	Total Fee
Rate	\$230.00	\$155.00	\$115.00		
Hours	14	81	24	119	
Cost	\$3,220.00	\$12,555.00	\$2,760.00		\$18,535.00

If you have questions, please feel free to contact me.

Sincerely,

Quest Ecology Inc.



Vivienne Handy
President

Revised December 15, 2022

Mr. Scott Radecki, PE
Consor Engineers

Via Email: sradecki@consoreng.com

Subject: Proposal for Geotechnical Engineering Services
Bridge #164138 Replacement
Rockridge Road
Lakeland, Florida
AREHNA B.Prop-22-257 Rev1

AREHNA Engineering, Inc. is pleased to present this proposal to provide geotechnical engineering services for the referenced project. This proposal summarizes our understanding of the project, presents our scope of services, and provides a proposed scope, fee and schedule.

Project Description

The project site is located at a small creek crossing near the intersection of Rockridge Road and Trailwood Path in Lakeland, Florida. The project consists of replacing the existing bridge with a bridge supported by shallow foundations (GRS-IBS design) and replacing approximately 100 feet of roadway on either side of the bridge.

Based on recent aerial images, there is not sufficient access to complete the borings on the shoulder. The borings will need to be completed within the roadway with flaggers to control one-way traffic in the open lane. It is possible that a permit may be required for the lane closure/flagging operation.

Scope of Services

The purpose of our geotechnical study is to obtain information on the general subsurface soil conditions at the project site. The subsurface materials encountered will then be evaluated with respect to the available project characteristics. In this regard, engineering assessments for the following items will be formulated:

- Identification of the existing groundwater levels and estimated normal seasonal high groundwater fluctuations.
- General location and description of potentially deleterious materials encountered in the borings which may have an impact on the proposed construction.
- Complete GRS-IBS analysis/design in accordance with FDOT's requirements and procedures. Including:
 - Internal and external LRFD analysis and design for GRS abutments including abutment walls per 2022 FDOT Structures Design Guidelines 3.13.4.A and 2012 FHWA-HRT-11-026 Geosynthetic Reinforced Soil Integrated Bridge System Interim Implementation Guide – 4.3.6 (External Stability: Direct Sliding, Bearing Capacity, Global Stability) and 4.3.7 (Internal Stability: Ultimate Capacity, Vertical and Lateral Deformations, Required Reinforcement Length, Depth of Bearing Bed Reinforcement). Superstructure dead and live loads to be provided by CONSOR.

- Review and provide any required changes/updates to FDOT Developmental Specification 549 Geosynthetic Reinforced Soil Abutments & Walls based on the internal and external stability analysis and site conditions.
- Provide a GRS-IBS drawing to include the GRS-IBS Design Dimensions table, Soil Properties, Notes, and Geosynthetic Reinforcement notes per the FDOT Developmental Design Standard Plans Instructions Index D549-025 GRS-IBS in Microstation and PDF formats. Florida PE to sign and seal this sheet in the project plan set.
- Provide allowable capacities and estimated foundation settlement for shallow foundations supporting the bridge.
- Provide recommended design soil parameters for each boring including parameters for temporary sheet pile walls and bridge abutment.
- Existing pavement and base layer thicknesses based on pavement cores at the boring locations.
- Provide Report of Core Borings (RCB) drawings for the bridge in Microstation and PDF formats. Florida PE will sign and seal these sheets in the project plan set.
- General geotechnical recommendations for the proposed construction including pavement recommendations.
- Environmental classifications based on both soil and water corrosion testing.

The following services will be performed:

- Site reconnaissance and mark boring locations.
- Request utility location services from Sunshine811.
- Obtain any permits/permissions/forms to perform the requested services within the existing roadway, if required.
- Provide Maintenance of Traffic (MOT) in accordance with Florida Department of Transportation (FDOT) Standard Indices, as needed. Provide flaggers for lane closures. Provide all site access and MOT required to complete the borings.
- Perform a total of 2 Standard Penetration Test (SPT) borings to a depth of 50 feet, one within each bridge approach, at the project site. Samples will be collected, and Standard Penetration Test resistances measured continuously for the top 16 feet and at approximate intervals of 2.5 feet, thereafter.
- Collect a shallow bulk soil sample and a water sample for corrosion lab testing.
- Collect two undisturbed samples (Shelby tube) of clay soil (if encountered), one from each boring, for possible consolidation testing.
- Perform analyses for GRS-IBS bridge foundation design and applicable wall analyses for the bridge abutments.
- Visually classify and stratify soil samples in the laboratory using the Unified Soil Classification System and conduct a laboratory testing program.
- Report the results of the field exploration and engineering analysis. The results of the subsurface exploration will be presented in a written report signed and sealed by a professional engineer specializing in geotechnical engineering. The report will include:
 - Brief summary of NRCS Soil Survey including published seasonal high groundwater data
 - Summary of field work and lab testing completed
 - Soil characterization including boring logs/profiles
 - CAD figures including RCB's with recommended design soil parameters



- General geotechnical recommendations for shallow GRS abutments (internal and external stability as described above as well as the GRS-IBS Design Dimensions Table, Soil Properties notes and Geosynthetic Reinforcement notes, and soil parameters for temporary sheet pile walls
- GRS Abutment internal and external stability calculations
- General earthwork recommendations including fill and compaction requirements
- Discussion of any deleterious soil conditions
- Discussion regarding monitoring of existing structures during construction
- Discussion of FDOT environmental classifications for substructure and superstructure

Schedule

We can perform the field work within approximately five weeks from receiving the notice to proceed. During this time, any required permits will be obtained, the boring locations will be marked, and a utility locates request will be submitted to Sunshine811. The field work may require up to 3 business days to complete, weather and access permitting. Our initial 60% draft report will be submitted for Client review approximately 3 to 4 weeks after completion of the field work. Preliminary data may be provided prior to report completion, upon request. Once final comments are received from the draft report, the 60% report should be available approximately within 1 week. The 60%, 90% and 100%, along with signed and sealed copies, will follow a similar schedule from the Client's submittal schedule.

Service Fee

We propose to complete our geotechnical engineering services for a Not-To-Exceed (NTE) fee estimate of \$27,860.14 per the attached staff hour and fee estimate. The attached Work Order is an integral part of this proposal. To authorize our services, please sign the work order or reference this proposal in a letter of authorization. Please note that samples will be retained for 90 days after the date of the report and then disposed, unless other arrangements have been made.

We appreciate the opportunity to support you on this project. If you have any questions regarding this proposal, please do not hesitate to contact us at 813.944.3464.

Sincerely,
AREHNA Engineering, Inc.



Kevin M. Hill, P.E., PMP
Senior Geotechnical Engineer

Attachments: Staff Hour Estimate
 Fee Estimate



Fee Estimate

Proposal No. Proposal Date

B.Prop-22-257 Rev1 12/12/2022

Project Name

Rockridge Road Bridge

PREPARED BY

KH

PREPARED FOR

Consor Engineers

SCOPE SUMMARY

Item	Quantity	Depth (ft)	Total
SPT Borings (2.5ft Intervals)	2	50	100
Pavement Cores	2	N/A	2
Undisturbed Samples	2	N/A	2
Bulk Samples	2	N/A	2

A. ENGINEERING SERVICES		QUANTITY	UNIT TYPE	UNIT PRICE	SUBTOTAL
MAT Chief Engineer		6	Hour	\$ 235.00	\$ 1,410.00
MAT Senior Engineer		11	Hour	\$ 200.00	\$ 2,200.00
MAT Engineer		17	Hour	\$ 147.00	\$ 2,499.00
MAT Engineer Intern		35	Hour	\$ 108.00	\$ 3,780.00
MAT CADD/Computer Designer		16	Hour	\$ 104.00	\$ 1,664.00
MAT Sr. Eng. Technician		16	Hour	\$ 94.00	\$ 1,504.00
MAT Engineering Technician		6	Hour	\$ 62.00	\$ 372.00
MAT Technical Secretary		6	Hour	\$ 72.00	\$ 432.00
TOTAL ENGINEERING SERVICES				\$	13,861.00
B. FIELD SERVICES		QUANTITY	UNIT TYPE	UNIT PRICE	TOTAL COST
418 Geo Drill Crew Support Vehicle		3	Day	\$ 217.69	\$ 653.07
427 Geo Extra SPT Samples-Truck/Mud Bug 0-50 Ft		16	Each	\$ 70.20	\$ 1,123.20
440 Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft		100	LF	\$ 6.50	\$ 650.00
478 Geo SPT Truck/Mud Bug 0-50 Ft		100	LF	\$ 15.79	\$ 1,579.00
498 Geo Temp Casing 4in Truck/Mud Bug 0-50 Ft		80	LF	\$ 12.28	\$ 982.40
514 Geo Truck/Mud Bug Mobil (30 miles straightline distance)		1	Each	\$ 565.00	\$ 565.00
519 Geo Undisturbed Samples Truck/Mud Bug 0-50 Ft		2	Each	\$ 202.37	\$ 404.74
TOTAL FIELD SERVICES				\$	5,957.41
C. LABORATORY SERVICES		QUANTITY	UNIT TYPE	UNIT PRICE	TOTAL COST
802 Soils Consol-Addtl Incrmnts AASHTO T216 (up to 12 Loads)		1	Each	\$ 605.16	\$ 605.16
804 Soils Consol-Extend Load Incrmnts AASHTO T216		1	Day	\$ 174.25	\$ 174.25
805 Soils Corrosion Series FM 5-550 through 5-553		2	Test	\$ 274.97	\$ 549.95
811 Soils Liquid Limit AASHTO T89		1	Test	\$ 65.51	\$ 65.51
812 Soils Materials Finer than 200 Sieve FM 1-T011		4	Test	\$ 50.00	\$ 200.00
817 Soils Moisture Content Laboratory AASHTO T265		5	Test	\$ 17.96	\$ 89.81
819 Soils Organic Content Ignition FM 1 T-267		1	Test	\$ 48.45	\$ 48.45
822 Soils Particle Size Anlys AASHTO T88 (No Hydrometer)		2	Test	\$ 74.74	\$ 149.48
826 Soils Plastic Limit & Plasticity Index AASHTO T90		1	Test	\$ 72.50	\$ 72.50
831 Soils Specific Gravity AASHTO T100		1	Test	\$ 86.63	\$ 86.63
TOTAL LABORATORY SERVICES				\$	2,041.73
D. OTHER SERVICES		QUANTITY	UNIT TYPE	UNIT PRICE	TOTAL COST
Subcontracted MOT Services		3	Day	\$ 2,000.00	\$ 6,000.00
TOTAL OTHER SERVICES				\$	6,000.00

For specific questions regarding this proposal, please contact:

Kevin Hill

Estimate Total \$ 27,860.14

~~December 12, 2022 (Revised 12/13/2022) (Revised 12/15/2022)~~

Scott Radecki, PE
Project Manager/Sr. Structural Engineer
Conсор
1560 Capital Circle Northwest, Units 9 & 10
Tallahassee, Florida 32303
sradecki@consoreng.com
(888) 451-6822 Ext. 52430

PROPOSAL FOR SUBSURFACE UTILITY ENGINEERING (SUE) AND UTILITY COORDINATION (UC) SERVICES

Project: Rockridge Road Bridge Replacement, Polk County, Florida

Dear Mr. Radecki:

At ECHO UES, Inc. (ECHO) we value your consideration and appreciate the opportunity to provide a technical proposal for the provision of professional services. This technical proposal inclusive of economical offer and schedule details the approach we consider as the most suitable for your specific project's needs.

Project Synopsis: Based on the information made available to ECHO, we understand the project consists of design services for bridge replacement of the **Rockridge Road Bridge, Polk County, Florida**. ECHO has been tasked with performing subsurface utility engineering (SUE) services necessary to determine the horizontal and limited vertical disposition of below ground utilities and to perform the corresponding utility coordination (UC) services to address potential utility relocations.

Project Limits: ECHO's proposed services will be performed within a well-defined area (i.e., Project Limits) as shown on the attached EXHIBIT A. The area covers the temporary MOT that extends 400 feet before and after the existing bridge.

Subsurface Utility Engineering (SUE) Services: Using a combination of field investigative techniques and technology, including surface geophysical instruments and vacuum excavation, ECHO will perform the following services.

1. **Identification and marking of existing utilities.** Utilities potentially in conflict with the project and located within the project limits will be investigated in the attempt to identify their position. The results will be marked on the ground surface using the most appropriate

method (i.e., pin flags, paint etc.) and showing the approximate position of the identified utilities.

ECHO will attempt to identify and mark conductive and non-conductive underground utilities potentially in conflict with the proposed bridge replacement location within the project limits, with the exclusion of irrigation lines, minor services lines (private facilities) and gravity lines (i.e. stormwater, sewer, etc.).

2. **Test Holes – (16 total). Verification of utility location and characteristics.** At locations selected by the Client and as identified in the attached exhibit, ECHO will attempt to expose utilities via minimally intrusive methods (e.g. use of vacuum excavation) to confirm their characteristics (e.g. vertical depth of utility below the surface, utility type, size, material, direction, configuration) and provide an accurate location. At completion of each excavation (test hole) ECHO will record all verifiable utility information (i.e. vertical depth of utility below the surface, utility type, size, shape, material, and orientation), mark the utility location with the most appropriate method (e.g. wooden lathes, “X” mark on concrete, disc and nail on asphalt) and restore the field to as close as possible to its original conditions.
3. **Survey of SUE:**
 - a. ECHO will perform a utility survey, collecting below ground utilities designated (line work) and located (test holes) per steps above.
 - b. The coordinate system will be based on the control to be performed by Polk County.

All surveying services to be provided by ECHO shall be coordinated with the Survey & Mapping Division (Real Estate Department) and all work shall be done in accordance with the Survey Division’s current survey procedures, right-of-way manuals, and Chapter 472 of Florida Administrative Code.

The methodology proposed to perform and prepare the utility survey is the discretion of ECHO. This methodology must be approved by the County Surveying and Mapping Department, the County Location Surveyor, or his designee. When utilizing conventional survey instruments and technologies, ECHO shall follow the FDOT Surveying Procedure, Topic No. 550-030-101.

SUE Deliverables:

1. Field deliverables will consist of field marks (e.g. pin flags, paint marks, wooden lathes, nails/discs etc.) showing the position of the found utilities.
2. Office deliverables will consist of:
 - images and a sketch (out of scale unless otherwise stated) based on the project plans or aerial imagery publicly available.
 - Test hole data sheets containing all the information obtained via test holes and visual verification.
3. Deliverables will consist of an electronic file (MicroStation) and a signed and sealed surveyor report. Our SUE CADD file will be based upon the County’s survey control file and referenced into the engineer of record’s (EOR) design file.

Proposed Schedule: We propose to mobilize for this work within 15 days from the Notice to Proceed by Consor. Field work will take a maximum of 5-6 working days for all designating and locating (16 test holes) activities. Deliverables will be submitted within 15 working days after test holes are completed.

Utility Coordination (UC) Services: ECHO is responsible for certifying that all necessary arrangements for utility work on this project have been made and will not conflict with the physical construction schedule.

1. Identification of Utility Agency / Owners (UAOs) within the corridor requiring coordination
2. Make Utility Contacts – send design plans to UAOs to establish existing facilities (green-lines) and later in the process to determine if facilities are impacted by the project.
3. Field review of the project site.
4. Collect and review all data received from the UAOs.
5. Follow-up with UAOs to ensure required data is secured in a timely fashion.
6. Review utility markups and Utility Relocation Schedules & Permits (Polk County Format), and processing of schedules and any required agreements.
7. Finalize/Certify to the Engineer of Record (EOR) that all coordination efforts are complete and supply all data to support the certification. Includes final Utility Relocation Schedules and Permit Forms as needed for each utility.
8. Review the utility adjustment sheets created by CONSOR to verify utilities are accurately shown. If SUE is performed, will verify that utilities located and designated are shown properly.

Utility Coordination Deliverables:

1. All plans and data received from UAOs.
2. All correspondence relevant to the coordination efforts.
3. Any meeting notes or minutes created.
4. Certification Letter to EOR.

Utilities anticipated on the project: AT&T, Frontier Communications, City of Lakeland – Electric, and Uniti Fiber.

Utility Coordination Schedule:

We propose to begin the utility coordination efforts the day after the project's 60% plans submittal to the County or sooner if the plans are at a point to communicate accurately the project intent to the UAOs. We propose to complete the utility coordination by the project's 100% plans submittal to the County or sooner. We will coordinate with CONSOR to assist in developing the overall project schedule, within the first two weeks after the County's NTP, to allow for a reasonable time frame to complete the utility coordination.

Notes and Limitations:

1. Client shall facilitate access to the site and provide any relevant project information.
2. Site must be clear of obstacles impeding access to any portion of the project limits.
3. Standard work hours are from 7:00am to 4:00pm, Monday through Friday; additional charges may occur (following discussion with the Client) in case of weekend or nighttime work.

4. ECHO will not work on any site that is known to be contaminated with any hazardous or harmful substance.
5. FDOT Design Standards (Index 102 Series) will be utilized for the Maintenance of Traffic (MOT). Should the site require modification to the Index 102 for non-standard MOT arrangements, ECHO will seek the Client's concurrence to obtain signed and sealed project's specific MOT plans (to be provided by others).
6. Unless otherwise stated within this proposal, test holes have usual depth of up to eight (8) ft. from the ground surface, and diameter of up to 1 ft. Should there be a need for deeper or wider excavations, additional charges may apply.
7. The original ground surface at each test hole location will be restored to as close as possible to its original conditions, using concrete mix or asphalt cold patch as applicable. Any deviation from this standard (e.g., use of hot asphalt, flowable fill etc.) may require additional charges and the use of specialty subcontractors.
8. Regardless of the type of estimate proposed (e.g., lump sum, time and materials, etc.) such estimate should be considered indicative and based on preliminary information. Should any situation out of ECHO's control heavily impact ECHO's field work performance (e.g., adverse site conditions), ECHO reserves the right to seek additional funds to complete the work.
9. The exact location of any underground utility is not guaranteed unless clearly exposed and visually verified at a specific location. Utility characteristics, methods of installation, soil conditions and the surrounding environment all may impact adversely the results of any utility investigation with surface geophysical instruments and technology. No guarantee is made that all utilities will be found and identified.
10. Independently from ECHO's scope of work and performance, the Client shall comply with the relative chapter from the Florida (or any other applicable) Statutes: "Underground Facility Damage Prevention and Safety Act" and call 811 prior to any excavation taking place.
11. Subsurface Utility Engineering, Designating and Locating terms all refer to the American Society of Civil Engineers / Construction Institute Standard for the Collection and Depiction of Subsurface Utility Data (ASCE/CI 38-02). Should ECHO adopt this standard for the performance of the scope of work and preparation of deliverables, clear mention to the Standard shall be made throughout the deliverable.

Fee: ECHO's economical offer is provided below.

- | | |
|--|---|
| • Subsurface Utility Engineering (SUE) | = \$ 13,676.07 (Limiting Amount) |
| • Utility Coordination (UC) | = \$ <u>6,232.05</u> (Limiting Amount) |
| TOTAL | = \$ 19,908.12 (Limiting Amount) |

Acceptance: We will honor this proposal for 90 days. If accepted, please return together with the associate subagreement duly executed.

At ECHO UES, Inc. we believe in collaboration and communication with our clients, driven to understand their needs and provide time efficient and cost-effective solutions. ECHO strives to provide quality utility and survey reliable data to design better, build faster, and safely enhance Engineering, Design, Construction and Maintenance of infrastructure.

Thank you for considering ECHO for your project, and please do not hesitate to contact me directly should you have any question or concern.

Sincerely,



Jeraldo 'Jerry' Comellas, Jr., PE
President
ECHO UES, Inc.



CONSOR

Labor Category	Range of Direct Labor Rates (rounded to the nearest dollar)	Range of Hourly Billing Rates (rounded to the nearest dollar)
Contract Manager	\$125.00 - \$125.00	\$380.00 - \$380.00
Chief Engineer	\$81.00 - \$133.00	\$248.00 - \$405.00
Project Manager	\$75.00 - \$86.00	\$228.00 - \$261.00
Senior Engineer - Roadway	\$80.00 - \$96.00	\$245.00 - \$292.00
Senior Engineer - Traffic Control	\$93.00 - \$94.00	\$283.00 - \$284.00
Project Engineer - Traffic Control	\$34.00 - \$46.00	\$104.00 - \$140.00
Engineer Intern - Traffic Control	\$33.00 - \$34.00	\$102.00 - \$103.00
Project Engineer - Roadway	\$47.00 - \$59.00	\$144.00 - \$180.00
Engineer Intern - Roadway	\$34.00 - \$35.00	\$104.00 - \$106.00
Senior Engineer - Drainage	\$65.00 - \$87.00	\$197.00 - \$265.00
Project Engineer - Drainage	\$55.00 - \$58.00	\$169.00 - \$176.00
Engineer Intern - Drainage	\$29.00 - \$49.00	\$90.00 - \$147.00
Senior Engineer - Structures	\$52.00 - \$86.00	\$159.00 - \$261.00
Project Engineer - Structures	\$43.00 - \$67.00	\$130.00 - \$203.00
Engineer Intern - Structures	\$34.00 - \$39.00	\$104.00 - \$119.00
Senior Engineer - PD&E	\$96.00 - \$125.00	\$291.00 - \$380.00
Senior Engineer - Water/Wastewater	\$62.00 - \$63.00	\$190.00 - \$190.00
Engineer Intern - Water/Wastewater	\$34.00 - \$41.00	\$104.00 - \$125.00
Team Leader - Bridge Inspection	\$48.00 - \$79.00	\$148.00 - \$238.00
Assistant Inspector - Bridge Inspection	\$24.00 - \$38.00	\$74.00 - \$114.00
Report Technician - Bridge Inspection	\$22.00 - \$27.00	\$68.00 - \$81.00
Diver - Bridge Inspection	\$35.00 - \$56.00	\$107.00 - \$170.00
Senior Technician	\$35.00 - \$40.00	\$107.00 - \$122.00
Technician	\$25.00 - \$32.00	\$76.00 - \$95.00
Admin/Clerical	\$21.00 - \$23.00	\$65.00 - \$70.00
CEI Project Administrator	\$65.00 - \$74.00	\$197.00 - \$225.00
CEI Engineer	\$74.00 - \$74.00	\$224.00 - \$225.00
CEI Senior Inspector/Technician	\$28.00 - \$57.00	\$85.00 - \$173.00
CEI Inspector/Technician	\$21.00 - \$34.00	\$63.00 - \$104.00
Emergency Management	\$57.00 - \$92.00	\$174.00 - \$279.00
Planner	\$64.00 - \$65.00	\$197.00 - \$198.00
Grant Writing	\$50.00 - \$51.00	\$153.00 - \$154.00

Fran McAskill
Director
Procurement Division



330 West Church Street
P.O. Box 9005, Drawer AS05
Bartow, Florida 33831-9005
Phone: (863) 534-6757
Fax: (863) 534-6789
www.polk-county.net

EXHIBIT C

Board of County Commissioners

REIMBURSABLE COST SCHEDULE

1. Reproduction Cost
 - A. Regular Copying Single Side Double Sided

8 ½ x 11 (black & white).....	\$ 0.15/page	\$ 0.25/sheet
8 ½ x 11 (color).....	\$ 0.30/page	\$ 0.40/sheet
8 ½ x 14 (black & white).....	\$ 0.15/page	\$ 0.25/sheet
8 ½ x 14 (color).....	\$ 0.30/page	\$ 0.40/sheet
11 x 17 (black & white).....	\$ 0.25/page	\$ 0.35/sheet
11 x 17 (color).....	\$ 0.40/page	\$ 0.50/sheet
9 ½ x 24 Single Side Only.....	\$ 1.00/page	
17 x 22 Single Side Only.....	\$ 2.00/page	
18 x 24 Single Side Only.....	\$ 2.00/page	
24 x 36 Single Side Only.....	\$ 3.00/page	
30 x 30 Single Side Only.....	\$ 5.00/page	
32 x 34 Single Side Only.....	\$ 5.00/page	
Other sizes-per square inch.....	\$ 0.03/page	
Compact Digital Disk.....	\$ 6.00/disk	
 - B. Blueprint Copy..... \$10.00/page
2. Subcontractor Services Actual Costs
3. Special Consultants Actual costs
4. Telecommunications
 - A. Local Non-reimbursable
 - B. Non-Local Actual Costs
5. Computer Services Non-reimbursable
6. Travel Expenses In accordance with Chapter 112.061, F.S.;
and further defined in the Polk County Employee Handbook.
7. Postage, Fed Express, UPS Actual Costs
8. Pre-approved Equipment
(includes purchase and rental of equipment used in project) Actual Costs



CERTIFICATE OF LIABILITY INSURANCE

12/31/2023

DATE (MM/DD/YYYY)

1/18/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies Three City Place Drive, Suite 900 St. Louis MO 63141-7081 (314) 432-0500	CONTACT NAME:	
	PHONE (A/C, No, Ext): FAX (A/C, No):	
INSURED 1407115 Consor Engineers, LLC 15310 Park Row Houston TX 77084	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Continental Casualty Company	NAIC # 20443
	INSURER B: Great American Insurance Company	16691
	INSURER C: National Fire Insurance Co of Hartford	20478
	INSURER D: AXIS Surplus Insurance Company	26620
INSURER E:		
INSURER F:		

COVERAGES **CERTIFICATE NUMBER:** 19242410 **REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	N	Y	7036360752	12/31/2022	12/31/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY	N	N	7036360766	12/31/2022	12/31/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$	N	N	TUE 3274463 03	12/31/2022	12/31/2023	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$ XXXXXXXX
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N	N/A	7036465081 (AOS) 7036441749 (CA)	12/31/2022 12/31/2022	12/31/2023 12/31/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Professional & Environmental Liability	N	N	EBZ634816/01/2022	12/31/2022	12/31/2023	\$10,000,000 per Claim \$10,000,000 Aggregate Deductible: \$200,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

THIS CERTIFICATE SUPERSEDES ALL PREVIOUSLY ISSUED CERTIFICATES FOR THIS HOLDER, APPLICABLE TO THE CARRIERS LISTED AND THE POLICY TERM(S) REFERENCED.

RE: Master Agreement No. 22-084, CSA No. 22-084-01 Rockridge Road Bridge 164138 Replacement Consor Project No. D220489FL.00. A waiver of subrogation applies in favor of Polk County a Political Subdivision of the State of Florida if required by written contract with respect to General Liability per the terms and conditions of the policy where permitted by state law.

CERTIFICATE HOLDER**CANCELLATION** See Attachment**19242410**Polk County a Political Subdivision
of the State of Florida
Procurement Division; Room 150
330 West Church Street,
Bartow FL 33830

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Polk County a Political Subdivision of the State of Florida Procurement
Division; Room 150
330 West Church Street,
Bartow FL 33830

To whom it may concern:

In our continuing effort to provide timely certificate delivery, Lockton Companies is transitioning to paperless delivery of Certificates of Insurance.

To ensure electronic delivery for future renewals of this certificate, we need your email address. Please contact us via one of the methods below, referencing Certificate ID **19242410**.

- Email: STL-edelivery@lockton.com
- Phone: (866) 728-5657 (toll-free)

If you received this certificate through an internet link where the current certificate is viewable, we have your email and no further action is needed.

In the event your mailing address has changed, will change in the future, or you no longer require this certificate, please let us know using one of the methods above.

The above inbox is for providing e-Delivery email addresses for next year's renewal certificates ONLY. Your information will be input within 90 days.

Thank you for your cooperation and willingness in reducing our environmental footprint.

Lockton Companies

REQUEST FOR LEGAL SERVICES

RECEIVED

FEB 13 2023

ROADS & DRAINAGE DIVISION

TO: COUNTY ATTORNEY'S OFFICE (AT01)

ATTENTION: Elizabeth Voss

(CHECK ONE)

Sandi Howard



FROM:

Jose Fernandez, EI 863-535-2310

(Name and Phone Number)

DATE: 01/06/2023

RETURN TO: Jose Fernandez, EI (TR 01)

DIVISION: Roads and Drainage

BOARD AGENDA DATE: 02/21/22

COUNTY MANAGER ITEM: ☐

PROJECT: Rockridge Road Bridge 164138 Replacement

CSA/CONTRACT NUMBER: 22-084-01

MODIFICATION NUMBER:

CHANGE ORDER NUMBER:

TYPE OF AGREEMENT:

CSA

NAME OF CONSULTANT/CONTRACTOR: CONSOR Engineers, LLC

Please indicate any time limits and attach all necessary documentation.

REQUEST IN DETAIL:

Please review attachments for the Board Agenda date indicated and return APPROVED documents at your earliest convenience. THANK YOU.

For CAO Use Only:

Assigned Staff:

Sandi

Log-In Date:

1-31-23

CAO Project Number:

2023-44

Log-Out Date: