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City of Jacksonville, Florida
Procurement Award Form (PAF)

Part 1: Form Type JPAC Award Request and Administrative Details

Goods and/or Services: Professional Engineering Services for New Berlin Rd from Pulaski Rd/Starratt Rd to Cedar Pt Rd P-02-20

Requested Action/Authority:

Recommend approval for Amendment #1 to incorporate the Scope of Services, Exhibit C and Fee Summary, Exhibit D for Amendment #1 as detailed in the attached.

Justification/Explanation:

Amendment #1 is to add final design phase services for the proposed roadway, drainage and pedestrian improvements along New Berlin Rd.

Legal Contract #:	71198-21	Contract Date:	10/06/2021	Change Order/AMD #:	Amendment #1	
PO/Release #:	631077-22	Bid Date:	08/08/2024	Awarded Supplier:	Connelly & Wicker, Inc.	
Licenses Verified:	N/A	Effective Date:	08/08/2024	Basis of Award:	N/A	
Federally Funded:	N/A	No. Invited:	N/A	Responses Received:	N/A	Attachments:
Solicitation:	N/A - P-02 - 20			Procurement Contract #:	POA - 71198-21	
Executed By:	Office of General Counsel					

PoP:Base:	Project Completion	Options:	N/A	Extension(s):	N/A
JSEB Rec.:	N/A	%:	N/A	Bonds Waived Pursuant To:	N/A

Fund:	10105	Center:	153119	Acct:	565030	Proj:	009015	Activity:	00000000	$	1,461,080.57
Fund:	32124	Center:	153101	Acct:	565051	Proj:	009015	Activity:	00000000	$	2,341,774.16
Fund:		Center:		Acct:		Proj:		Activity:		$	

New NTE/GMP:	$ 5,094,292.73	Contingent Amount:	$ 0.00	DMP/ODPO Amount:	$ 0.00

Using Agency/BU:	PWEN:ENGINEERING_AND_CONSTRUCTION_MANAGEMENT			
Concurrence:	DocuSigned by: Sheldon D. Gibbs, P.E. 843DE27A46A74CA...	Title:	CHIEF OF ENGINEERING CONSTRUCTION MANAGEMENT	7/30/2024
Concurrence:	DocuSigned by: Nina Sicker 1EFA223D5D23487...	Title:	DIRECTOR OF PUBLIC WORKS	8/1/2024
Concurrence:		Title:		
Concurrence:		Title:		

Procurement Analyst/Buyer:	Signed by: Alex Baker 06D1A3C4B98C4CA...	Chief of Procurement:	DocuSigned by: B19F1D517352456...
Name:	Alex Baker	Name:	Dustin L. Freeman

Part 2: JPAC Actions on Above Requests/Recommendations
All Award Actions Subject to Lawfully Appropriated Funds

Members Who Approve:	
Members Who Disapprove:	
Other Action:	

Date:

Part 3: Final Awarding Authority Action

Action:

Date:

Signature:

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PAF Instructions

Form Type: Select the type of award from the dropdown options. This form will be used for all Procurement awards (Administrative Awards and JPAC Requests).

Goods and/or Services: Enter a brief description of the types of goods and services included in the request.

Requested Action/Authority: Enter a brief description of the requested action or authority being sought. i.e.; *request permission to award to the lowest, responsive responsible bidder for ITB or award the highest ranked supplier for an RFP*.

Justification/Explanation: Enter a brief justification or explanation for the requested action. Use this box to add any additional information such as additional account strings, or other information essential for contract execution.

Legal Contract Number: Provide the existing City contract number if applicable. This will be the same number as your POA number.

Contract Date: Select the effective date for the contract using the calendar option in the form. Leave blank for contracts to become effective on the execution date.

Change Order/AMD #: Provide the applicable Change Order or Amendment number represented by this request.

Date: Enter the date of PAF submission.

Effective Date: Enter the effective date of requested authority and/or action.

Solicitation: Select the competitive procurement method used (1Cloud generated prefix), enter the 1Cloud generated numbering sequence, and 1Cloud generated fiscal year of solicitation

Basis of Award: Select from Lowest Price Technical Acceptable (LPTA), Highest Price Technical Acceptable (HPTA),

Procurement Contract #: This is your PO number. Select Type, Enter Number

PO/Release Number: Enter PO Release Number

Awarded Supplier: Enter Awarded Supplier Name

Federally Funded: Select yes or no from dropdown if Federal Funds will be used.

Responses Received: This is the number of responses received.

No Bids Received: The number of responses received that indicated supplier would not bid.

Executed By: Select whether executed by OGC or JPAC / Chief of Procurement

PoP Base: Select the Period of Performance for the initial period.

Options: Period for each renewal period i.e. one (1) two (2) year.

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Extensions: How many extensions have we preformed after the initial base period and option periods have been completed?

JSEB Goal: Select the percentage established by JSEB.

JESB Other: Select Encouragement or Set Aside Option

Bonds Waived Pursuant to: Select authority allowing bonds to be waived.

Funding Source: Fund/Center/Account/Project/Activity, all fields are required even if zeros.

New NTE/GMP: Enter the new total not to exceed the amount. Note, this should match the contract maximum indebtedness, if applicable**.**

Contingent Amount: If your agency requests an allowance for unforeseen additional expenses, then specify the amount of your requested increase and new NTE that represents the contingency allowance. This is over and above any quote.

DMP/ODPO Amount: Enter the total Direct Materials Purchase/Owner Direct Purchase Order amount for project.

Attachments: Name any attachments included as supplemental information to the PAF.

Using Agency/BU: This should be the requesting agency/requirement owner.

Concurrence: Electronic Signature

Title: Enter the title of person electronically signing form.

**Any fields where there is no data available, or no entry is required, either leave it blank or enter N/A. Any fields where there is known data, include for informational purposes. Any changes to an original award should contain the data that is being changed and any other relevant data required for JPAC review and approval.*

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A NEW DAY

City of Jacksonville, Florida

Donna Deegan, Mayor

Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202
(904) 255-8762
Jacksonville.gov

Procurement Award Form

Connelly & Wicker, Inc. POA 71198-21/ PO 631077-22 Contract Date 10/06/2021

Goods & Services:
Professional Engineering Services for New Berlin Road from Pulaski Rd/Starratt Rd. to Cedar Point Road
P-02-20

Requested Action / Authority:
Recommend approval of Amendment #1 to incorporate the attached Scope of Services, Exhibit C and Fee Summary, Exhibit D to increase the lump sum fee for Design Services by $1,117,795.42 to a new limit of $1,813,232.63, to increase the not to exceed limits for: Meetings by $58,256.72 to a new limit of $62,256.72, Survey by $423,210.16 to a new limit of $809,326.96, Bridge Evaluation by $791,701.00 to a new limit of $845,377.32, Geotechnical by $287,153.68 to a new limit of $384,361.35 and to add new not to exceed limits for: Pond Design Reports in the amount of $405,913.74, ICE in the amount of $188,119.02, Signalization in the amount of $159,256.45, Utility Coordination in the amount of $150,604.85, Permitting in the amount of $45,843.69 and Plans and Bid Specs in the amount of $175,000.00 for a total increase of $3,802,854.73 to a new maximum of $5,094,292.73.

Justification / Explanation:
Amendment #1 is to add the Final design phase services for the proposed roadway, drainage and pedestrian improvements along New Berlin Road.

cc: David D. Hahn, P.E., Engineering and Construction Management

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EXHIBIT "C"

SCOPE OF SERVICES
FINAL DESIGN PHASE

NEW BERLIN ROAD,
FROM STARRATT ROAD / PULASKI ROAD TO CEDAR POINT ROAD

CITY OF JACKSONVILLE, FLORIDA

I. SCOPE OF PROJECT

A. The intent of this project is to prepare Final Design engineering plans for roadway, drainage and pedestrian improvements along New Berlin Road. The Consultant shall establish new right of way for the roadway, locate stormwater ponds, acquire the necessary permits, and prepare construction plans and bid documents for the reconstruction of New Berlin Road.

B. The Project limits along New Berlin Road shall be from the Starratt Road / Pulaski Road intersection to the Cedar Point Road intersection. A 3-lane typical section was recommended as the basis of the Final Design plans.

C. It is intended that the Consultant's services will result in all drawings, sketches, and other documents needed for the City to purchase right of way, adjust utilities and contract for construction of the project.

D. Consultant's services on the project may be in two (2) phases: (1) Final Design, and (2) Post Design/Construction Phase Services, with separate negotiation and fee for each phase. This agreement for these services shall be for the Final Design phase only. At the City's option, upon completion of the Final Design phase, this contract may be extended to include Construction phase services after negotiation of mutually satisfactory terms.

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II. PROJECT REQUIREMENTS

A. Final Design Requirements:

1. ROADWAY DESIGN

The CONSULTANT will prepare design plans for a new three lane roadway with a 14-foot median turn lane and two 11-foot travel lanes with curb & gutter. Pedestrians and bicyclists will use a 12-foot shared-use path on one side of the road, and pedestrians will use a 6-foot sidewalk on the other side of the road. The design speed of the roadway shall be 40 MPH. All design criteria shall be based on the "Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, State of Florida", Latest Edition; the current edition of the "Land Development Procedures Manual"; Florida Department of Transportation Design Standards; and the American Association of State Highway and Transportation Officials Policies and Guidelines. The construction plans shall include detailed Maintenance of Traffic plans and Utility Relocation plans showing the new locations of proposed utilities within the corridor.

2. DRAINAGE DESIGN

a. Preliminary Pond Design Report -

i. The Consultant shall prepare a *Preliminary Pond Design Report* to RANK pond locations identified in the *Pond Siting Report*. Rankings shall be based on the following elements:

1. Wetland impacts (using aerially interpreted wetlands)
2. Pond tail water
3. Right-of-way acquisition cost (pond size)
4. Contamination potential
5. Pipe costs from the road to pond and from the pond to the outfall
6. Percentage of SJRWMD stormwater treatment coverage within the basin
7. Tree mitigation cost

Pond elevations (top of bank, normal water elevation estimates, etc.) for the *Preliminary Pond Design Report* will be based on COJ LiDAR. The pond size will be determined using an ICPR model for each pond. Pond basin drainage maps will be prepared.

b. Final Pond Design Report – The Consultant shall prepare final construction plans for the selected pond sites. The selected ponds shall be flagged for wetlands and surveyed.
c. Drainage maps – Roadway drainage maps will be included in the construction plans.
d. Offsite drainage areas – a cost analysis shall determine if offsite drainage should be collected in the New Berlin Road storm sewer system or conveyed to the outfalls without treatment.
e. Cross drains: Analyzing five cross drains beneath New Berlin Road. They are:
    i. 84” x 60” culvert, between Pulaski Road and Daylight Trail
    ii. Double 30” culvert, between Daylight Trail and Airport Center Drive
    iii. 48” x 76” culvert, between Wages Way and Sapp Road
    iv. Double 4’ x 4’ box culvert, between Oak Bluff Lane and Rouen Cove Drive
    v. 29” x 45” culvert, at Cedar Point Road intersection

    Cross drain hydraulic analysis will include preparing a cross drain drainage map, calculating the flow to the cross drains, analyzing the existing water surface elevations, sizing the cross drains for the proposed improvements, and ensuring all cross drains meet St. Johns River Water Management District criteria.

f. Storm sewer design
    i. Once pond sites have been selected, the new storm sewers will be designed to convey the roadway’s stormwater runoff to the stormwater pond.

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ii. The Consultant shall prepare a drainage structure cross section for each structure. Storm sewer drainage maps will be prepared and included in the drainage calculations.

g. Bridge Hydraulic Report (BHR) and Bridge Scour Analysis

i. A BHR will be performed for the bridge replacements at:

1. Dunn Creek
2. Caney Branch

ii. The BHR will include a Bridge Hydraulic Recommendation Sheet (BHRS) with scour estimates for the 100-year and 500-year storm events.

All drainage design criteria shall conform to the City's Land Development Procedures Manual, and the regulations and policies of jurisdictional permitting agencies. Drainage Design shall continue downstream to the point of positive discharge.

3. INTERSECTION CONTROL EVALUATION (ICE) ANALYSIS AND SIGNALIZATION

The ICE Analysis will be performed in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums. Within FDOT's Manual on Intersection Control Evaluation, a two-step evaluation process has been established to consider multiple context-sensitive control strategies when planning a new or modified intersection improvement.

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The following tasks shall be performed in this Work Order:

1. Data Collection
2. Data Analysis
    a. Stage 01 (4 Intersections with five (5) alternative control strategies)
    b. Stage 02 (4 Intersections with three (3) alternative control strategies)
3. Strategy Recommendations
4. Mid-Block Crossing Study (4 Locations)

Data Collection

The Consultant will coordinate and carry out all efforts required to document the project location, basic roadway characteristics, control and design vehicles, design and target speeds, peak hour volumes, growth rate trends, crash data collection, multimodal use(s), and roadway context classifications of each intersection. Traffic counts data obtained for the corridor analysis will be used for this analysis.

Data Analysis

The Consultant will analyze each intersection using the Two Stage ICE procedure outlined below:

Stage 1 Evaluation:

Stage 1 ICE Evaluation considers many potential intersection control strategies and evaluates them using the CAP-X and SPICE tools. The Cap-X tool is an operational analysis tool to evaluate selected types of innovative intersection designs, and the SPICE tool evaluates the safety performance of the intersections. The Consultant anticipates evaluating five (5) control strategies at each of the four (4) study intersections.

1. CAP-X Analysis

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2. SPICE Analysis
3. Stage 1 Justification
4. Stage 1 Comments and Edits
5. Stage 1 - Quality Assurance / Quality Control / Supervision

If the Stage 1 analysis indicates multiple control strategies as viable and meeting the project's purpose and need and the corridor's context classification and receives approval by the COJ Project Manager, COJ Traffic Operations Department staff, then determine next steps and scope as the analysis transitions into Stage 2: Preliminary Control Strategy Assessment.

Stage 2 Evaluation:

Stage 2 ICE Evaluation is a preliminary control strategy assessment. The Consultant will differentiate any remaining control strategies from Stage 1, by performing in-depth analysis of the proposed control strategies. Prior to conducting additional analyses, a conceptual design and preliminary construction costs will be developed for each viable control strategy as well as the no-build (existing) control strategy. These conceptual designs will assist in communicating control strategy concepts and evaluate factors (such as cost, right-of-way impacts, and environmental impact on a site-specific basis). The analysis will incorporate Traffic Operations, Safety Performance, Costs, Benefic-Cost Analysis, Utility Impacts, Right-of-Way impacts, Multimodal Accommodations, as well as Agency Coordination and public input (if applicable). Stage 2 will utilize the SPICE tool, and the FDOT ICE Tool to select a preferred control strategy. Upon completion of the Stage 2 ICE form, results of the analysis will be shared with COJ Project Manager, and COJ Traffic Operations Department

- Scenario 1: If a single control strategy is identified as preferred. The Stage 2 ICE form is completed, and the supporting analyses are attached and submitted to COJ Project Manager, COJ Traffic

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Operations Department, for approval. Analysis results will be appended to the form or documented in a memorandum. If approved no further stages of ICE are required.

- Scenario 2: If the analysis of the conceptual designs failed to clearly distinguish a single control strategy above the others. Results of the analysis are shared with COJ Project Manager, COJ Traffic Operations Department, to determine next steps and scope as the analysis transitions into Stage 3: Detailed Control Strategy Assessment.

Stage 3 ICE Evaluation is a detailed assessment when Stage 1 or Stage 2 does not identify a selected control strategy. Scope and Fee for Stage 3 ICE Evaluation will be provided if required upon completion of Stage 02 ICE Evaluation.

Strategy Recommendations

Based on the results of the Two Stage ICE process, the effort shall move into preliminary design. The Consultant will provide all supporting documentation along with all COJ Project Manager, COJ Traffic Operations Department Staff signed ICE forms.

Mid-block Crosswalk Analysis:

Mid-block analysis will be conducted in accordance with the FDOT Traffic Engineering Manual (TEM) and the National Highway Cooperative Research Program (NCHRP) Report 457. The analysis will include the following:

- Determine the current pedestrian crossing volumes (using traffic counts data included in the corridor analysis) and projected pedestrian crossing volumes on New Berlin Road to determine the need for mid-block pedestrian crossings.

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- Conduct a qualitative evaluation of new pedestrian crossings on New Berlin Road. The evaluation will include determination of preferred location, configuration, and treatment to enhance the safety and effectiveness of the crossing.
- Conduct a safety evaluation of a new pedestrian crossing based on the guidance of the Highway Safety Manual and NCHRP Report 457. The safety evaluation will include safety considerations with respect to stopping sight distances, illumination levels, and proximity to intersection conflict areas.
- Based on the quantitative and qualitative evaluation, develop a recommendation for new pedestrian crossings on New Berlin Road, including type, location, treatment, and safety measures.

SIGNALIZATION – Optional Reimbursable Services

Signal Design at the following New Berlin Road intersections:

1. Airport Center Drive (new signal)
2. Dunn Creek Road (replacement signal)
3. Yellow Bluff Road (replacement signal)
4. Cedar Point Road (existing signal may require modifications) - the existing intersection will be re-evaluated once the new signal is installed in 2024 and recommendations will be provided concerning possible additional improvements to the intersection.

4. WETLAND PERMITTTING

The CONSULTANT shall provide the following permitting services:

a. Preliminary Pond Design Report - Provide aerial interpreted wetlands for all pond locations identified in the project's Pond Siting Report with a UMAM data.

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b. Flag all jurisdictional wetlands within the proposed roadway right-of-way including ditches and creeks. The selected pond sites within each drainage basin shall also be flagged. Wetland sketches/maps will be provided.

c. Environmental Resource permitting (ERP) - The CONSULTANT will prepare the SJRWMD ERP permit for the project via the E-permitting portal. This task shall include the preparation of the ERP forms, avoidance and minimization analysis, a mitigation plan, UMAM data sheets. The mitigation plan will consist of arranging the purchase of credits from a mitigation bank.

d. US Army Corps of Engineers (USACE) permitting – The Consultant will submit the necessary information for obtaining a individual permit (IP) of nationwide verification from the USACE for proposed wetland impacts. This task includes the preparation of an avoidance and minimization analysis, alternatives analysis, application package, UMAM data sheets, USACE data sheets, preliminary jurisdictional assessment (WOTUS forms), and mitigation for off-site mitigation.

5. STRUCTURES DESIGN

a. Bridges: The Consultant will furnish final design services for new bridge crossings at: Dunn Creek and Caney Branch. Final Design services include a plan & elevation, foundation design, superstructure and substructure design, typical section and construction phasing. An Estimate of probable cost estimate for each proposed bridge will be provided.

b. Box culvert design: The Consultant will prepare the structural design services for two new box culverts; one at Sweetwater Creek and one at Rushing Branch tributary. Final Design services include plan & elevation, culvert structural design and construction phasing details. An Estimate of probable cost estimate for each proposed concrete box culvert will be provided.

c. Signal mast arms: The Consultant shall design traffic signal mast arms at the following New Berlin Road intersections:

i. Airport Center Drive (4 mast arms) (new signal)

ii. Dunn Creek Road (4 mast arms) (replacement signal)

iii. Yellow Bluff Road (4 mast arms) (replacement signal)

iv. Cedar Point Road (3 mast arms) (existing signal may require modifications)

6. TOPOGRAPHICAL SURVEY

The CONSULTANT shall use the survey acquired in 2022. The CONSULTANT will acquire new topographical data at the following locations:

a. supplement preliminary engineering study topographic survey so the survey extends past the right-of-way acquisition.

b. wetland lines flagged:

i. along New Berlin Road

ii. at selected pond sites

iii. bridge replacement locations

iv. culvert extension

c. bridge replacement hydraulic survey, 500 feet upstream and downstream of the New Berlin Road along Dunn Creek and Caney Branch

d. Selected pond sites within the project limits

7. RIGHT-OF-WAY MAPPING

The CONSULTANT will prepare Right-of-Way Maps for the acquisition of property needed to construct the improvements along New Berlin Road. Mapping services include generating final Right of Way Maps (24 sheets total) and preparing Legal Descriptions. Estimated number of Parcel to be acquired is 112, (104 along New Berlin Road + 8 pond sites). Estimated number of temporary construction easements 104. Total number of legal descriptions is 216.

8. SUBSURFACE UTILITY LOCATES (SUE)

The CONSULTANT will locate existing utilities, both vertically & horizontally at every stormwater pipe crossing and inlet. Additionally, SUE will be obtained at each signal mast arm foundation.

9. GEOTECHNICAL

a. Bridge (Dunn Creek, Caney Branch)
   i. SPT boring @ 100-foot below mudline at each bridge bent
   ii. Determine D_{50} grain size for bridge scour analysis
b. Box culverts (Sweetwater Creek, Rushing Branch tributary)
   i. SPT boring @ 50-foot below mudline at each box culvert
c. Signalization
   i. One SPT boring will be acquired at each traffic signal mast arm foundation. (4 intersections @ 4 mast arms per intersection)
d. Retaining walls (sheet pile)
   i. SPT borings @ 50-foot are estimated for proposed sheet pile retaining walls
e. Storm water ponds
   i. Three (3) SPT borings @ 20-foot per acre of pond are estimated.

10. SIGNING & PAVEMENT MARKING – The Consultant will prepare signing & pavement marking plans for construction.

11. LIGHTING – The Consultant shall prepare lighting calculations based on FDOT guidelines and coordinate pole spacing with JEA electric pole relocations.

12. TRAFFIC CONTROL PLANS – The Consultant shall prepare traffic control plans to maintain traffic during construction. The maintenance of traffic plans shall take into account bridge construction, storm sewer construction and utility

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construction. Temporary pavement and temporary drainage will be necessary to construct the proposed 3-lane section.

13. UTILITIES – The Consultant shall include utility adjustment plans in the construction documents. It is the Consultants responsibility to contact each utility and determine if the utility will be affected by the proposed construction. If the utility decides their facility needs to relocate, the Consultant shall include the proposed location of the relocated utility on the utility adjustment plans.

14. CONTAMINATION SURVEYS

a. LIMITED PHASE 2 ENVIRONMENTAL SITE ASSESSMENT

The CONSULTANT will conduct Phase II activities for two potential contaminated sites and up to five pond sites along the subject corridor.

Potential Contaminated Sites:

Sites 6 and 7 received medium risk rankings in the 2022 Level 1 CSE for the project. The Consultant will to collect one soil sample and one groundwater sample each from the vicinity of Sites 6 and 7 for laboratory analysis. Each site will be sampled based on the recommended laboratory analyses listed in Table 3 of the 2022 Level 1 CSE.

Pond Sites:

A total of 15 pond sites are currently being evaluated as part of a CSE Addendum. Any ponds that receive a medium or high ranking will be recommended for further analysis. The Consultant will to collect one soil sample and one groundwater sample each from up to five pond sites for laboratory analysis. A preliminary set of laboratory analyses has been proposed. Further recommendations for specific laboratory analyses will be identified in the CSE Addendum.

Asbestos-Containing Materials /Lead-Based Paint Survey:

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The Consultant will conduct Asbestos-Containing Materials (ACMs) and Lead-Based Paint (LBP) surveys for two bridges planned for removal along the subject corridor. The bridges are located at Dunn Creek and Caney Branch. The Consultant will collect samples from each bridge for laboratory analyses to determine if ACMs or LBP are present within the bridge structures.

15. PUBLIC MEETINGS

Prepare presentation materials and hold two public information meetings in each City Council District 2 and 8. The first meeting shall be held prior to commencing the 90% design phase of the project. A first (1st) meeting shall be held to inform the public of the elements considered during the final design phase and discuss the recommended improvements. The second (2nd) Town Meeting shall be held prior to beginning construction activities. The public's input shall be collected and made part of the project final documentation report.

The CONSULTANT will assist in the notification of affected property owners for the public information meeting. This includes parcel research to determine those properties within a specified distance of the project, and other notices required prior to the meeting. The City will be responsible for rental of facilities necessary to conduct the meeting.

Public Meeting Tasks if requested:

a. Create display boards or graphics for presentation.
b. Send public meeting letter to property owners, elected officials, government personnel
c. Advertise Public Meeting using Portable Changeable Message Signs (PCMS)
d. Participate in Public meeting
e. Summarize comments after Public Meeting

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16. PREPARING MULTIPLE BID PACKAGES

The Consultant shall prepare four (4) separate bid packages for construction. They are:

i. New Berlin Road – culvert replacement at Sweetwater Creek
ii. New Berlin Road – from Pulaski Road to Dunn Creek Road
iii. New Berlin Road – from Dunn Creek Road to Cedar Point Road.
iv. New Berlin Road bridge replacement at Dunn Creek and Caney Branch

17. REIMBURSABLE SERVICES – The following services will be reimbursable:

i. Preliminary Pond Design Report
ii. Wetland flagging and permitting services
iii. Final Pond Design Report
iv. Storm sewer design
v. Geotechnical investigation
vi. Intersection Control Evaluation (ICE) Analysis
vii. Signalization design
viii. Structural Design
ix. Topographical survey (hydraulic + pond + updates)
x. Subsurface Utility test holes
xi. Right-of-way Mapping
xii. Utility Coordination
xiii. Public Meeting(s) – prior to commencing 90% design and prior to Construction. By two Council District(s)
xiv. Plans update after ROW acquisition
xv. Preparing Plans and Specifications for Bidding

B. SEQUENCE OF SERVICES:

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1. Send plans to utilities for verification of existing facilities (Green lines)
2. Preliminary Pond Design Report
3. Intersection Control Evaluation (ICE) Analysis (Stage 1 and Stage 2)
4. Mid-Block Crosswalk Analysis
5. Structural geotechnical investigation
6. Wetland flagging
7. Topographic survey (wetlands, hydraulic surveys)
8. Bridge Hydraulic Report(s) (Dunn Creek, Caney Branch)
9. Storm sewer design
10. Phase 2 Contamination Report submittal
11. Final Pond Design Report
12. Preliminary design submittal (60% roadway, drainage, signing & pavement marking, maintenance of traffic, lighting, and signalization / 30% bridge design)
13. Send plans to utilities for relocation plans (Red, Green, Brown plans)
14. Subsurface utility locates (SUE test holes)
15. DRAFT Right-of-way maps (90%)
16. Hold Public Meeting in each City Council district
17. Pre-Final design for construction (90% design; all components including roadway, drainage, signing & marking, signalization, bridge, maintenance of traffic, utility relocation plans)
18. SJRWMD / USACE wetland permit submittal. (once 90% comments have been addressed)
19. 10-set Plans review submittal (once 90% comments have been addressed)
20. Collect Utility Work Schedules (UWS) from utilities
21. Final Right-of-way maps with Legal Description
22. Final (100%) plans submittal
23. ROW Acquisition (by others)
24. Plans update post ROW acquisition
25. Submittal of Final (100%) design documents for Bidding review (100% plans + Specifications)

26. Bid document submittal.
27. Hold Public Meeting in each City Council district

C. Project Submittal Requirements:

1. *Preliminary Pond Design Report*
2. Intersection Control Evaluation (ICE) Analysis
    a. Stage 1
        v. CAP-X AM & PM forms
        vi. SPICE Form
        vii. Signed Stage 1 ICE Form
    b. Stage 2
        a. Preliminary Concept Drawings of Control Strategies (Prime Consultant)
        b. SPICE Form
        c. FDOT ICE TOOL
        d. Operational Analysis Supporting Documents
        e. Engineer's Cost Estimate (Prime Consultant)
        f. Signed Stage 2 ICE Form
3. Mid-Block Crossing Analysis/Study
4. Geotechnical Report – Structures
5. *Bridge Hydraulics Report (BHR) – Dunn Creek*
6. *Bridge Hydraulics Report (BHR) – Caney Branch*
7. *Contamination Report – Phase 2*
8. Phase II plan submittal (60% roadway/drainage and 30% bridge plans):

    60% plans shall be furnished to the Project Manager at the completion of this phase. Drawings will be half size (11" x 17") and shall include the following items, at a minimum:

    a. Location map with beginning, ending and any required equation stations.
    b. Drainage map(s) showing existing drainage areas with direction of flow indicated.

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c. Typical section for the anticipated roadway segment including dimensions and pavement structure.

d. Plan and profile sheets showing existing topography, reference points, baseline of surveys, curve data, begin/end and required equation stations, existing and proposed roadway, proposed right-of-way and temporary construction easements (TCE's) lines, and existing JEA water and sewer facilities.

e. Selected Pond plans showing the topography, wetland limits, property lines, maintenance berm, normal water elevation and pond bottom. Storm sewer pipes into the pond and leaving the pond shall be shown.

f. Cross-sections showing existing ground line with proposed template shown at critical locations and every 50 feet.

g. Traffic control typical sections, with plans showing temporary pavement and traffic control devices (barrier, signs, and drums, etc.) needed for each phase of construction.

h. 30% bridge plans shall include: general plan and elevation, demolition limits, preliminary superstructure details including proposed typical cross section, and an estimate of probable bridge construction cost.

i. Signing & pavement marking plans showing the proposed striping and signing.

j. Signalization plans.

k. Lighting plans.

l. Estimate of Probable Cost

9. Draft Right-of-way Maps (90%)

10. Pre-Final Plan submittal (considered 90% completion):

Pre-final drawings shall be furnished to the Project Manager at the completion of this phase. Drawings shall include the aforesaid items and shall be updated. Additional drawings will include:

a. Detailed maintenance of traffic plans.

b. Summary of Quantity sheets.

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c. Drainage structure cross sections.

d. Pond cross sections.

e. Erosion control plans.

f. Utility relocation plans showing the proposed relocations of all the existing utilities within the corridor.

10. SJRWMD / USACE permit submittals.
11. 10-set COJ Review submittal.
12. Final Right-of-way maps (100% Maps and Legal Descriptions)
13. Final plans submittal (100% plans). An Estimate of Probable Cost will be included.
14. Submit updated Final Design plans and Contract Specifications for Bid Review.
15. Submit documents for Bidding.

D. Utility Coordination: During this work, the Consultant will be expected to furnish up-to-date drawings at the earliest possible time to assist utilities in locating their facilities for the purpose of resolving conflicts with the New Berlin Road improvements. Preliminary plans developed in the Study Phase will be distributed to utilities located within the corridor, so they can provide approximate locations of their facilities along New Berlin Road and side streets. Typically, the existing facilities are marked in GREEN (Green line plans). Once the full design is available (60% roadway + drainage + lighting + signing), plans are once again distributed to existing utilities so they can mark up the locations where their facilities will: 1. remain in place (marked in GREEN); 2. be removed (marked in RED) and 3. new facilities are planned for construction (marked in BROWN). These plans are called RGB plans. The Consultant shall work with each utility prior to the 90% submittal to document each utility's construction plan by producing a Utility Work Schedule (UWS). It is expected the Utility Work Schedule will be provided to the Construction Contractor as a part of the Bid documents.

E. Estimates: Budget estimates for the anticipated cost of construction will be furnished along with the 60%, 90%, 100% and Bid submittal review documents.

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F. Design Reviews: The Consultant, when submitting drawings at the 60%, 90% and 100% completion points, will allow a (4) weeks review time for each submittal and, if requested, will attend and prepare meeting minutes of a review conference at the end of the period to discuss the agency comments. In addition, if directed by the Project Manager, a complete review will be held at the project site. Any changes, refinements, or modifications developed in each review shall be incorporated into the design or otherwise disposed of before proceeding to follow-on design work. Each agency's markup shall be returned with the next follow-on submittal, showing the Consultant's response to the agency comments.

G. Permitting Requirements:

1. With the Preliminary Design stage submittal (60%), the Consultant shall provide the City with a list of all permits needed to be acquired to construct the project.
2. The Consultant shall take minutes/notes of all meetings with the permitting agencies. These notes shall be transcribed and furnished to the Project Manager.
3. The Consultant shall keep a log of permit activities performed by his firm and subconsultants for review by the City.
4. The Consultant shall prepare all required applications for permits and supporting documentation and furnish to the Project Manager for signatures and submittal.
5. The Consultant shall perform the services needed to furnish to the City permit applications required for construction of the project Permit application fees will be paid by the CONSULTANT. Anticipated permit applications required for this project include the following:
   a. SJRWMD “INDIVIDUAL” Environmental Resource permit.
   b. US Army Corps of Engineers wetland permit.
   c. City of Jacksonville 10-set which includes Tree permitting

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H. Additional Requirements:

1. Provide dialogue with the Streets and Stormwater Management Division, Traffic Engineering Division, Engineering Division, and JEA Water & Sewer Business Unit pertinent to all phases.
2. Provide dialogue with all affected utility companies as appropriate.
3. Plans shall be 11" x 17" sheets.
4. The City shall be the Owner of the final documents.
5. The Consultant shall take notes of all design/review meetings held with City agencies. These notes shall be transcribed and furnished to the Project Manager for concurrence as soon as practical after the date of the meeting.
6. The Consultant shall work directly with the Project Manager and the Consultant will receive all information from the City Project Manager.
7. The Consultant shall be notified in writing by the Project Manager regarding changes to the project that will require modification to the Consultant's work.

III. ENGINEERING DIVISION RESPONSIBILITIES

A. Documents

The Engineering Division shall provide any available plans, maps, and other pertinent information essential to the satisfactory completion of the work indicated herein.

B. Submittal Reviews

The Program Manager will provide timely reviews of the Consultant's work in accordance with the schedule agreed upon between the Program Manager and the Consultant. Each review period by the City shall be approximately four weeks, at which time all comments will be forwarded to the Consultant.

IV. TIME SCHEDULE

A. The FINAL Design Phase shall follow the time schedule listed below

1. Submit *Preliminary Pond Design Report* **90 days** from the Notice to Proceed. [day 90]
2. *Intersection Control Evaluation* **90 days** from the Notice to Proceed. [day 90]
3. *Bridge Hydraulics Report with bridge Scour Analysis* **120 days** from Notice to Proceed. [day 120]
4. Submit *Phase 2 Contamination Report* **270 days** from the Notice to Proceed. [day 270]
5. Submit Preliminary Design (60% Roadway / 30% Bridge plans) **270 days** from the Notice to Proceed. [day 270]
6. Submit PRE-Final Design (90% all design components) plans **270 days** from submittal of 60% Plans. [day 540]
7. Submit Draft Right-of-way Maps with the Pre-Final Design plans **270 days** from submittal of 60% Plans. [day 540]
8. Submit Permit Plans to the SJRWMD/USACE **60 days** from the Pre-Final (90%) plans submittal. [day 600]
9. Submit Permit Plans for 10-set COJ Review **90 days** from the Pre-Final (90%) plans submittal. [day 630]
10. Submit FINAL Right of Way Maps & Legal Descriptions and Final (100%) Plans **190 days** from the Pre-Final (90%) plans submittal. [day 730]
11. Right-of-way acquisition **365 days** [day 1095]
12. Plans update and Bid Review **45 days** following Right-of-way acquisition. [day 1140]
13. Final Documents for Bid **60 days** following Bid Review [day 1200]

B. The total time allowed for the Final Design Phase shall be **1200 Days**.

V. <u>PROGRESS REPORTING</u>

The Design Consultant will provide a schedule for all activities anticipated as part of the Final Design. Scheduling software (Microsoft) will be used to build and maintain the design schedule. All significant milestones will be identified. The Design Consultant will submit monthly an updated schedule to the Project

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Manager. This schedule will accompany and support the Consultant's Invoice. In those instances where no invoice will be submitted, the updated schedule will still be required. In the event of unforeseen delays, the Consultant will attempt to minimize these delays and report on actions taken to maintain the original schedule. Any changes made to the schedule will be explained. Significant activities for the past month and projected activities for the next month will be highlighted. Any support requests or issues will be identified with recommendations from the Consultant.

VI. NOTICE TO PROCEED

No work on this project shall be performed until a contract has been executed and Notice to Proceed is issued which specifically authorizes such work

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EXHIBIT "D"
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project New Berlin Road - Final Design Phase	**2. Proposal No. / PO No.** P-02-20 631077-22
3. Name of Consultant Connelly & Wicker Inc.	**4. Date of Proposal** 7/8/2024

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$ 81.31	610	$ 49,599.10	
Senior Engineer	$ 57.25	1224	$ 70,074.00	
Engineer 2 (exp 5-10 yrs)	$ 60.75	1225	$ 74,418.75	
Engineer 1 (exp < 5 yrs)	$ 43.54	1526	$ 66,442.04	
Engineering Intern	$ 37.51	1518	$ 56,940.18	
TOTAL DIRECT LABOR	$52.02	6103		$ 317,474.07
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate (Office)	179 % x Total Direct Labor			$ 568,278.59
Overhead Rate (Field)	N/A % x Total Direct Labor			$ -
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 885,752.66
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 88,575.27

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Presentation Boards	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
Contamination Report - Phase 2 - SES Aerostar	$ 8,362.33	
Asbestos-Containing Materials/Lead-Based Paint Report-SES Aerostar	$ 9,880.66	
Tree Permitting - Alpha Envirotech	$ 34,298.50	
Bridge Hydraulic Reports - Gemini Engineering	$ 90,926.00	
SUB-CONTRACT SUB-TOTAL		$ 143,467.49
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 1,117,795.42
11. REIMBURSABLE COSTS (Limiting Amount)		
Wetland Permitting- Terracon	$ 45,843.69	
Preliminary & Final Pond Design Report + storm sewer - CWI	$ 405,913.74	
Pond Surveys - Clary & Associates	$ 112,065.34	
Right-of-way maps - Clary & Associates	$ 160,802.60	
Survey Subsurface Utilities- Clary & Associates	$ 86,250.00	
Hydraulic Survey + Survey Update (Segments 2, 3, 4) - SAM	$ 64,092.22	
Bridge + Structures Design - Civil Services, Inc.	$ 791,701.00	
Intersection Control Evaluation (ICE) Analysis - Chindalur	$ 188,119.02	
Signalization - Chindalur	$ 159,256.45	
Geotechnical Structural Borings - CSI Geo, Inc.	$ 287,153.68	
Utility Coordination - Connelly & Wicker	$ 150,604.85	
Preparing Bid Packages - Connelly & Wicker	$ 100,000.00	
Public Meetings - Connelly & Wicker	$ 58,256.72	
Plans Update - Connelly & Wicker	$ 75,000.00	
SUB-TOTAL REIMBURSABLES		$ 2,685,059.31

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 3,802,854.73**
12. PRIOR CONTRACT AMOUNT	$ 1,291,438.00
AMENDED AMOUNT OF CONTRACT	**$5,094,292.73**

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New Berlin Road – P.O. 631077-22

Contract Amendment No. 1

CPI RATE INCREASE

From 2022 to 2024

PRIME: Connelly & Wicker, Inc.

Subconsultants:

- Gemini Engineering & Sciences, Inc.
- Clary & Associates, Inc.
- SAM, Inc.
- Terracon, Inc.
- AerostarSES, LLC
- Civil Services, Inc.
- Chindalur Traffic Solutions, Inc
- CSI Geo, Inc.
- New Consultant: Alpha Envirotech Consulting, Inc

RATE ADJUSTMENT CALCULATION FORM

Consultant Name:	Connelly & Wicker
Project Name	New Berlin Road Widening
RFP#	P-02-20
P.O. #	631077-22
Contract #	71198-21
Amendment #	ONE (#1)

Rate Increase Worksheet:

Consumer Price Index for All Urban Consumers: All Items in U.S. City Average (CPIAUCNS) | FRED | St. Louis Fed (stlouisfed.org)

	Month	Year	CPI Value
Current CPI =	Feb	2024	310.326
Date of contract or last contract amendment =	Nov	2021	277.948
			32.378

Formula: Current CPI value **minus** Previous CPI Value **divided** by Last CPI Value **equals** % increase for new rates **=** 11.65%

Connelly & Wicker

	Old Hrly Rates	% Increase	New Hrly Rate	New Loaded Rate (3.069 Multiplier)
Principal Engineer	$ 84.27	11.65%	$ 94.09	$ 288.75
Project Manager	$ 72.83	11.65%	$ 81.31	$ 249.55
Senior Engineer 1 (10-15 yrs)	n/a	11.65%	$ 57.25	$ 175.70
Engineer 2 (5-10 yrs)	$ 49.00	11.65%	$ 54.71	$ 167.90
Engineer 1 (0-5 yrs)	$ 39.00	11.65%	$ 43.54	$ 133.64
Engineering Intern	$ 33.60	11.65%	$ 37.51	$ 115.13
Clerical	$ 17.00	11.65%	$ 18.98	$ 58.25

Clary & Associates

	Old Loaded Rates	% Increase	N/A	New Loaded Rate
3-man Survey Crew	$ 1,240.00	11.65%	$ -	$ 1,384.46
Surveyor & Mapper	$ 177.18	11.65%	$ -	$ 197.82
CADD Technician	$ 101.92	11.65%	$ -	$ 113.79
Clerical	$ 59.29	11.65%	$ -	$ 66.20

Terracon

	Old Rates	% Increase	New Hrly Rate	New Loaded Rate (2.75 Multiplier)
Principal / Dept Manager	$ 62.98	11.65%	$ 70.32	$ 193.37
Project/Group Manager	$ 41.20	11.65%	$ 46.00	$ 126.50
Senior Scientist	$ 32.27	11.65%	$ 36.03	$ 99.08
Project Scientist	$ 17.82	11.65%	$ 19.90	$ 54.71
Designer or Technician	$ 20.46	11.65%	$ 22.84	$ 62.82
Archaeologist	$ 44.90	11.65%	$ 50.13	$ 137.86
Drafter or CADD Operator	$ 35.35	11.65%	$ 39.47	$ 108.54
Clerical	$ 20.75	11.65%	$ 23.17	$ 63.71

Aerostar SES

	Old Rates	% Increase	New Hrly Rate	New Loaded Rate (3.300 Multiplier)
Principal Scientist	$ 58.22	11.65%	$ 65.00	$ 178.76
Professional Engineer	$ 44.24	11.65%	$ 49.39	$ 135.83
Professional Geologist	$ 35.10	11.65%	$ 39.19	$ 107.77
QA / QC Manager	$ 50.00	11.65%	$ 55.83	$ 153.52
Project Manager	$ 35.28	11.65%	$ 39.39	$ 108.32
Staff Scientist	$ 24.04	11.65%	$ 26.84	$ 73.81
Senior Industrial Hygienist	$ 53.34	11.65%	$ 59.55	$ 163.77

Industrial Hygienist	$	34.12	11.65%	$	38.09	$ 104.76
CADD	$	45.00	11.65%	$	50.24	$ 138.17
Clerical	$	22.00	11.65%	$	24.56	$ 67.55

Civil Services, Inc.

	Old Rates	% Increase	New Hrly Rate	New Loaded Rate (2.75 Multiplier)
Principal Engineer	$ 72.00	11.65%	$ 80.39	$ 221.07
Project Manager	$ 72.00	11.65%	$ 80.39	$ 221.07
Design Engineer	$ 55.66	11.65%	$ 62.14	$ 170.90
Designer of Technician	$ 33.50	11.65%	$ 37.40	$ 102.86
Drafter	$ 28.00	11.65%	$ 31.26	$ 85.97
Clerical	$ 22.00	11.65%	$ 24.56	$ 67.55

Chindalur Traffic Solutions

	Old Hrly Rates	% Increase	New Hrly Rate	New Loaded Rate (2.75 Multiplier)
Principle Engineer	$ 81.82	11.65%	$ 91.35	$ 251.22
Project Manager/Traffic Eng	$ 67.27	11.65%	$ 75.11	$ 206.54
Senior Design Engineer	$ 60.00	11.65%	$ 66.99	$ 184.22
Design Engineer	$ 57.00	11.65%	$ 63.64	$ 175.01
Designer or Technician	$ 54.55	11.65%	$ 60.91	$ 167.49

CSI Geo, Inc.

	Old Hrly Rates	% Increase	New Hrly Rate	New Loaded Rate (3.2967 Multiplier)
Project Manager	$ 69.25	11.65%	$ 77.32	$ 254.89
Senior Geotechnical Engineer	$ 51.00	11.65%	$ 56.94	$ 187.72
Geotechnical Engineer	$ 46.90	11.65%	$ 52.36	$ 172.63
Computer/CAD Operator	$ 33.83	11.65%	$ 37.77	$ 124.52
Geotechnical Technician	$ 28.25	11.65%	$ 31.54	$ 103.98
Clerical	$ 17.00	11.65%	$ 18.98	$ 62.57

Rate sheet attached

Gemini Engineering & Sciences, Inc.

	Old Rates	% Increase	New Hrly Rate	New Loaded Rate (2.75 Multiplier)
Principal Engineer	$ 64.90	11.65%	$ 72.46	$ 199.27
Project Manager	$ 64.90	11.65%	$ 72.46	$ 199.27
Design Engineer	$ 60.10	11.65%	$ 67.10	$ 184.53
Designer of Technician	$ 57.69	11.65%	$ 64.41	$ 177.13
Drafter	$ 31.25	11.65%	$ 34.89	$ 95.95
Clerical	$ 16.83	11.65%	$ 18.79	$ 51.67

SAM (Surveying and Mapping)

	Old Hrly Rates	Percent	New Hrly Rate	New Loaded Rate (2.75 Multiplier)
Chief Surveyor	$ 88.22	11.65%	$ 98.50	$ 270.87
Principal Surveyor	$ 52.36	11.65%	$ 58.46	$ 160.76
Survey Analyst 3	$ 32.50	11.65%	$ 36.29	$ 99.79
Contract Coordinator	$ 30.00	11.65%	$ 33.50	$ 92.11
3-man Survey Crew	$ 1,287.44	11.65%	$ -	$ 1,437.43

NEW CONSULTANT

Alpha Envirotech Consulting, Inc.	Old Hrly Rates	Percent	New Hrly Rate	New Loaded Rate (2.75 Multiplier)
Principal	n/a	n/a	$ 104.00	$ 286.00
Project Manager	n/a	n/a	$ 85.00	$ 233.75
Senior Engineer	n/a	n/a	$ 71.50	$ 196.63
GIS Specialist	n/a	n/a	$ 71.50	$ 196.63
Engineer	n/a	n/a	$ 61.50	$ 169.13
Project Administrator	n/a	n/a	$ 58.50	$ 160.88
CADD Technician	n/a	n/a	$ 32.50	$ 89.38
Administrative Specialist	n/a	n/a	$ 26.00	$ 71.50

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CSIGeo
Geotechnical · CMT · CEI

2394 St. Johns Bluff Road, Ste 200
Jacksonville, Florida 32246
tel (904) 641-1993

Geotechnical Cost Estimate

New Berlin Road
From The Intersection at Pulaski Rd/Starratt Rd to Cedar Point Rd
P-02-20
Duval County, Florida

CONTRACT RATES for AMENDMENT No. 1

Geotechnical Item	Unit	Number of Units	Cost / Unit		Estimated Cost
Field Investigation					
Crew & Equipment Mobilization / Demobilization:					
Mobilization - Truck Rig	ea.	1	~~$550.00~~	/ea. $614.08	~~$550.00~~
Mobilization - ATV Rig	ea.	1	~~$650.00~~	/ea. $725.73	~~$650.00~~
Pavement Coring Equipment Mobilization	ea.	1	~~$400.00~~	/ea. $446.60	~~$400.00~~
Roadway (Truck/ATV):					
172 Auger Borings @ 5' ea.	lin. ft.	860	$12.28 ~~$11.00~~	/lin. ft.	~~$9,460.00~~
41 Auger Borings @ 20' ea.	lin. ft.	820	$12.28 ~~$11.00~~	/lin. ft.	~~$9,020.00~~
41 Asphalt Cores	ea.	41	$97.14 ~~$87.00~~	/ea.	~~$3,567.00~~
41 Patching	ea.	41	$50.24 ~~$45.00~~	/ea.	~~$1,845.00~~
LBR Sample Pickup	ea.	11	$100.49 ~~$90.00~~	/ea.	~~$990.00~~
Boring Layout/Utility Coordination	hr.	17	$172.63 ~~$154.62~~	/hr.	~~$2,628.54~~
MOT	day	17	~~$1,200.00~~	/day	~~$20,400.00~~
Laboratory Testing			$1,339.80		
Moisture Content of Soils	ea.	23	~~$21.00~~	/ea. $23.45	~~$483.00~~
Organic Content in Soils	ea.	23	~~$50.00~~	/ea. $55.83	~~$1,150.00~~
Material Finer Than No. 200 Sieve	ea.	23	~~$45.00~~	/ea. $50.24	~~$1,035.00~~
Grain Size Analysis	ea.	12	~~$67.00~~	/ea. $74.81	~~$804.00~~
Plastic limit of soil	ea.	12	~~$49.00~~	/ea. $54.71	~~$588.00~~
Liquid limit of soil	ea.	12	~~$55.00~~	/ea. $61.41	~~$660.00~~
Corrosion Series Test - (Environmental Corrosion)	ea.	20	~~$225.00~~	/ea. $251.21	~~$4,500.00~~
LBR	ea.	11	~~$335.00~~	/ea. $374.03	~~$3,685.00~~

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FEE PROPOSAL

For

New Berlin Road Improvements
From Starratt Road to Cedar Point Road

Prepared For:

CITY OF JACKSONVILLE

A NEW DAY.

Prepared By:
Connelly & Wicker Inc.

JULY 2024

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ESTIMATE OF WORK EFFORT AND FEE FOR CONSTRUCTION PLANS

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
		TO:	Cedar Point Road
ESTIMATOR NAME / DATE:	Cummings / May 2024	LENGTH:	4.3 Miles

No. / ACTIVITY	Project Manager RATE/HR: $ 81.31		Senior Engineer RATE/HR: $ 57.25		Engineer 2 (exp 5-10 yrs) RATE/HR: $ 60.75		Engineer 1 (exp < 5 yrs) RATE/HR: $ 43.54		Engineering Intern RATE/HR: $ 37.51	
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST
113 Basic Roadway Plan Prep.	450	$36,589.50	898	$51,410.50	899	$54,614.25	1124	$48,938.96	1124	$42,161.24
109 Drainage Design	16	$1,300.96	32	$1,832.00	32	$1,944.00	40	$1,741.60	40	$1,500.40
115 Bridge Design	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00
110 Traffic Signal Plans	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00
111 Signing/Symbol Plans	60	$4,878.60	120	$6,870.00	120	$7,290.00	150	$6,531.00	150	$5,626.50
112 Lighting Plans	76	$6,179.56	154	$8,816.50	154	$9,355.50	192	$8,359.68	192	$7,201.92
114 Environmental/Permitting	8	$650.48	20	$1,145.00	20	$1,215.00	20	$870.80	12	$450.12
TOTAL	610	$49,599.10	1224	$70,074.00	1225	$74,418.75	1526	$66,442.04	1518	$56,940.18

No. / ACTIVITY	RATE/HR:	#REF!	RATE/HR=		MAN HOURS	SALARY	AVG.	SALARY COST
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	BY ACTIVITY	COST BY ACTIVITY	HOURLY COST	DIST. %
113 Basic Roadway Plan Prep.					4495	$233,714.45	$51.99	74%
109 Drainage Design					160	$8,318.96	$51.99	3%
115 Bridge Design					0	$0.00		
110 Traffic Signal Plans					0	$0.00		
111 Signing/Symbol Plans					600	$31,196.10	$51.99	10%
112 Lighting Plans					768	$39,913.16	$51.97	13%
114 Environmental/Permitting					80	$4,331.40	$54.14	1%
TOTAL	0	$0.00			6103	$317,474.07	$52.42	

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SUMMARY OF MANHOUR REQUIREMENTS

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

ITEM		NO. OF SHEETS	TOTAL MANHOURS	COMMENTS
113	Basic Roadway Plan Prep.	432	4495	
109	SWPPP Erosion Control	40	160	
115	Bridge Design	0	0	by CSI
110	Traffic Signal Design	0	0	by Chindular Traffic Solutions
111	Signing/Symbol Plans	49	600	
112	Lighting Plans	49	768	
114	Permitting	0	80	
	Field Review			Included in Above Items
	Plans Checking			Included in Above Items
TOTAL		570	6103	10.57 Hours/Sheet

DESIGN SURVEY PARTIES			
	SIZE OF PARTY	PARTY DAYS	
	3-Man	0	by Clary & Associates & SAM, Inc.
	4-Man	0	
TOTAL NUMBER OF PARTY DAYS		0	

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ROADWAY PLANS PREPARATION

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
113 Basic Roadway Plan Prep.	1"=						
Key Map, Index & Standards		Sheet	1	1	4.0	4	
Typical Section and Notes		Sheet	9	9	6.0	54	2-typical per segment x 4 segments+ bridge
Pavement Design		L.S.	1		24.0	24	
Misc Const Details		Sheet	4		16.0	64	4 sheets
Plan Sheets	1"=40'	Sheet	40	40	24.0	960	4.0 miles / 560 feet per sheet
Profile Sheets	1"=40'	Sheet	40	40	16.0	640	4.0 miles / 560 feet per sheet
Back of Sidewalk Profiles		Sheet	8	8	16.0	128	10% back of s/w (8.0 x 10%) = 4200 ft
Special Profiles		Sheet	0	0	0.0	0	
Maintenance of Traffic - typicals		Each	3	3	8.0	24	three (3) TCP phases
Maintenance of Traffic		Sheet	120	120	10.0	1200	40 sheets x 3 phases = 120 sheets
Cross Sections - Urban		Section	422	211	1.5	633	every 50 feet (21,120' mainline)
Cross Sections - Rural		Section	0	0	0.0	0	N/A
Quantity Take-Off		L.S.	1		320.0	320	40 sheets x 8 per sheet
Specifications		L.S.	1		48.0	48	
Construction Cost Estimates		Each	4	0	16.0	64	4 x 8 hrs each (60%, 90%, 100%, Bid)
Final Engineering Report		L.S.	1	0	80.0	80	document design
ROW Review meeting		L.S.	1	0	80.0	80	includes plan revisions
Public Meeting - Preparation		Each	0	0	0.0	0	held during Study phase
Public Meeting		Each	0	0	0.0	0	held during Study phase
Meetings - P.M.		Each	36	0	2.0	72	every month - 3 years
Field Reviews		Each	16	0	4.0	64	4 roadway visits x 2 people x 4 hrs 4 drainage visits x 2 people x 4 hrs
Progress Reporting		Month	36		1.0	36	36 months
Utilities and Railroad		L.S.	1		0.0	0	See Attached Documentation
ROADWAY PLANS TOTALS				432		4495	

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ROADWAY PLANS PREPARATION

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

	ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
113	Utility & Railroad	1"=						
	Utility Adjustment Sheets	1"=40'	Sheet	0	0	0	0	reimbursable service
	Railroad Key Map		Sheet	0	0	0	0	
	Railroad Plan Sheet		Sheet	0	0	0	0	
	Existing Utility Report		L.S.	0		0	0	
	JEA Water & Sewer Meetings		L.S.	0		0	0	
	Utility Coordination		Each	0		0	0	reimbursable service
	UTILITIES & RAILROADS TOTALS						0	Include These Totals in Roadway Plans Preparation on Sheet 6

109	Basic Roadway Plan Prep.	1"=						
	Drainage Map - Rural	1'= 500'	Basin	0	0	0	0	reimbursable service
	Drainage Map - Urban	1"=100'	Sheet	0	0	0	0	reimbursable service
	Supplementary Drain. Map	1"=400	Sheet	0	0	0	0	reimbursable service
	Drainage Design - Urban		L.S.	0		0	0	reimbursable service
	Drainage Design - Report		L.S.	0		0	0	reimbursable service
	Design - Major X-Drains		Each	0	0	0	0	reimbursable service
	Drainage Struct. - Rural		Sheet	0	0	0	0	reimbursable service
	Drainage Struct. - Urban		Each	0	0	0	0	reimbursable service
	Summary - Drainage Struct		Sheet	0	0	0	0	reimbursable service
	Summary - Side drain		Each	0	0	0	0	urban section
	Cost Estimate		L.S.	0		0	0	reimbursable service
	Pond Siting Report		L.S.	0		0	0	reimbursable service
	Flood Compensation Plan		L.S.	0		0	0	
	Stormwater Pond Plans		Pond	0		0	0	reimbursable service
	Bridge Hydraulic Report		L.S.	0		0	0	by subconsultant
	Erosion Control Plans		Sheet	40	40	4	160	erosion control details
	DRAINAGE TOTALS				40		160	

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

PERMITTING AND ENVIRONMENTAL

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
Permitting/Environmental							
Permit Prep. and Coordination							
SJRWMD - MSSW Permit		Project	1		32.00	32.00	prepare permit app
SJRWMD - Dredge/Fill Permit		Project	0		0.00	0.00	By Subconsultant
FDEP Permit		Project	0		0.00	0.00	
Fla. Dept. of Natural Resources		Project	0		0.00	0.00	
Corps of Engineers		Project	0		0.00	0.00	By Subconsultant
Fla. Dept. of Transportation		Project	0		0.00	0.00	N/A
City Clearing Permit		Project	1		40.00	40.00	City 10-set submittal
NPDES Permit		Project	0		0.00	0.00	SWPPP
Wetland Staking		Project	0		0.00	0.00	By Subconsultant
Mitigation Design		Project	0		0.00	0.00	
SJRWMD Meeting		Each	2		4.00	8.00	assume 2 segments
Cost Estimate for Tree Permit		L.S.	0		0.00	0.00	
PERMITTING AND ENVIRONMENTAL TOTALS						80.00	

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

GROUND SIGNING & MARKING

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
111 Signing/Symbol Drawings	1"=						
Key Map		Sheet	0	0	0	0	
General Notes		Sheet	1	1	8	8	
Tabulation of Quantities		Sheet	4	4	16	64	
Striping design on plan sheet		Sheet	44	44	12	528	includes 4 sheets for ICE Analysis
Guide Sign Work Sheets		Sign	0	0	0	0	
* Cross Sections		Sign	0	0	0	0	
* Support Computations		Sign	0	0	0	0	
Interchange Signing		Sheet	0	0	0	0	
SIGNING & MARKING TOTALS				49		600	

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
111 Ovrhd Signing/Symbol Drngs	1"=						
Key Map		Sheet	0	0	0	0	
General Notes		Sheet	0	0	0	0	
Tabulation of Quantities		Sheet	0	0	0	0	
Guide Sign Work Sheets		Sign	0	0	0	0	
Sign Layout & Location		Sheet	0	0	0	0	
Cross-Sections & Layout		Sign	0	0	0	0	
Truss for Overhead Signs		Sign	0	0	0	0	
Cantilever for Overhead		Sign	0	0	0	0	
Conc/Metal Pole for Span		Location	0	0	0	0	
Service Point Detail		Each	0	0	0	0	
OVERHEAD SIGNING & MARKING TOTALS				0		0.00	

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

LIGHTING DESIGN

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
112 Roadway Lighting Drawings	1"=						
Key Map		Sheet	0	0	0	0.00	
Tabulation of Quantities		Sheet	4	4	16	64.00	
Pole Data Sheet		Sheet	4	4	16	64.00	
Metal Pole Detail Sheet		Sheet	0	0	0	0.00	
Concrete Pole Detail Sht.		Sheet	0	0	0	0.00	JEA Standard
Service Point Detail		Sheet	0	0	0	0.00	power by JEA
Lighting calculations		LS	1	1	160	160.00	4.0 miles, 4 signalized intersection, 3 mid-block crossings
Plan Sheets		Sheet	40	40	12	480.00	supplement JEA power poles
Special Details		Sheet	0	0	0	0.00	
LIGHTING DESIGN TOTALS				49	204	768.00	

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SES AEROSTAR

(Lumps Sum)

- **Phase II Contamination Survey**
- **Asbestos-Containing Material Survey / Lead-Based Paint Survey**

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Exhibit B
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project New Berlin Road Widening (Pulaski/Starratt to Cedar Point) Orignal Contract	**2. Proposal No. / Contract No.** P-02-20 / TBD
3. Name of Consultant orSubconsultant: Aerostar SES LLC	**4. Date of Proposal** May 10, 2024

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal Scientist	$ 65.00	3	$ 195.00	
Professional Engineer	$ 49.39	2	$ 98.78	
Professional Geologist	$ 39.19		$ 0.00	
QA/QC Manager	$ 55.83		$ 0.00	
Project Manager	$ 39.39	16	$ 630.24	
Staff Scientist	$ 26.84	6	$ 161.04	
Senior Industrial Hygienist	$ 59.55		$ 0.00	
Industrial Hygienist	$ 38.09		$ 0.00	
CADD	$ 50.24	2	$ 100.48	
Clerical	$ 24.56	1	$ 24.56	
TOTAL DIRECT LABOR	$ 40.34	30		$ 1,210.10
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	**200** % x Total Direct Labor			$ 2,420.20
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 3,630.30**
8. PROFIT: Labor Related Costs (Item 7)	x		**10%**	$ 363.03

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)			
Printing	Copies/Report Prep	$	0.00
Transportation	Truck 1 day x $100/day	$	100.00
OVA PID	1 x $50/day	$	50.00
OVA Testing Containers	1 x $40/per sleeve of 50	$	40.00
Consumables/Field Supplies	1 X $40/day	$	40.00
GPS Unit	1 X $50/day	$	50.00
Direct Push Rig	1 day x $2,300/day	$	2,300.00
Soil - EPA Method 8260 VOAs	1 x $60 per analysis	$	60.00
Soil - EPA Method 8260 VOCs	1 x $100 per analysis	$	100.00
Soil - TRPH by FL-PRO Method	2 x $75 per analysis	$	150.00
Soil - EPA Method 8270 PAHs	2 x $100 per analysis	$	200.00
Soil - EPA Method 8270 SVOCs	1 x $225 per analysis	$	225.00
Soil - EPA Method 6010 4 RCRA Metals	1 x $70 per analysis	$	70.00
Soil - Lab % Solids Dry Wt Correction	2 x $5 per sample	$	10.00
Soil - Lab Terracore Kit	2 x $20 per kit	$	40.00
GW - EPA Method 8260 VOAs	1 x $60 per analysis	$	60.00
GW - EPA Method 8260 VOCs	1 x $100 per analysis	$	100.00
GW - TRPH by FL-PRO Method	2 x $75 per analysis	$	150.00
GW - EPA Method 8270 PAHs	2 x $100 per analysis	$	200.00
GW - EPA Method 8270 SVOCs	1 x $225 per analysis	$	225.00
GW - EPA Method 6010 4 RCRA Metals	2 x $70 per analysis	$	140.00
GW - Lab Dissolved Metals, filtration prep	1 x $15 per sample	$	15.00
GW - Disposable 0.45 Micron Filters	1 x $20 each	$	20.00
Lab Waste Mgmt Fee	4 x $6 per sample	$	24.00

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$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$ 4,369.00
10. SUBCONSULTANTS (Lump Sum) $ $	
SUB-CONTRACT SUB-TOTAL (Reimb/NTE)	$ -
11. SUBCONTRACTS (Reimbursable/Not to Exceed) $ $ $ $ $ $ $	
SUB-TOTAL REIMBURSABLES	$ -
PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, and 11)	**$ 8,362.33**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

Exhibit B
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project New Berlin Road Widening (Pulaski/Starratt to Cedar Point) Orignal Contract	**2. Proposal No. / Contract No.** P-02-20 / TBD
3. Name of Consultant orSubconsultant: Aerostar SES LLC	**4. Date of Proposal** May 10, 2024

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal Scientist	$ 65.00	3	$ 195.00	
Professional Engineer	$ 49.39		$ 0.00	
Professional Geologist	$ 39.19	0	$ 0.00	
QA/QC Manager	$ 55.83	4	$ 223.32	
Project Manager	$ 39.39	35	$ 1,378.65	
Staff Scientist	$ 26.84	20	$ 536.80	
Senior Industrial Hygienist	$ 59.55		$ 0.00	
Industrial Hygienist	$ 38.09		$ 0.00	
CADD	$ 50.24	4	$ 200.96	
Clerical	$ 24.56	1	$ 24.56	
TOTAL DIRECT LABOR	$ 38.20	67		$ 2,559.29
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	**200** % x Total Direct Labor			$ 5,118.58
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 7,677.87**
8. PROFIT: Labor Related Costs (Item 7)	x		**10%**	$ 767.79

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)		
Printing	$ 0.00	
Transportation & Shipping	$ 35.00	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ 35.00
10. SUBCONSULTANTS (Lump Sum)		
Laboratory	$ 1400	
	$	
SUB-CONTRACT SUB-TOTAL (Reimb/NTE)		$ 1,400.00
11. SUBCONTRACTS (Reimbursable/Not to Exceed)		
	$	
	$	
	$	
	$	
	$	
	$	
	$	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, and 11)	**$ 9,880.66**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

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ALPHA ENVIROTECH

(LUMP SUM)

- **Tree Permitting**

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: New Berlin Road – From Starratt Road/Pulaski Road to Cedar Point Road	**2. Proposal No. / Contract No.** Tree Permit
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** May 15, 2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 104.00	24	$ 2,496.00	2,496.00
Project Manager (Responsible Professional)	$ 85.00	12	$ 1,020.00	1,020.00
Senior Engineer / Geologist / Scientist	$ 71.50	80	$ 5,720.00	5,720.00
GIS Specialist	$ 71.50	32	$ 2,288.00	2,288.00
Engineer/Geologist/Scientist/Field Inspector	$ 61.50	0	$ 0.00	0.00
Project Administrater	$ 58.50	0	$ 0.00	0.00
Drafter or CADD Operator	$ 32.50	16	$ 520.00	520.00
Administrative Specialist	$ 26.00	16	$ 416.00	416.00
TOTAL DIRECT LABOR	$69.22	180		$ 12,460.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 18,690.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 31,150.00
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 3,115.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs			
Transportation & Shipping	50 mile x $0.670/ml	$ 33.50	
Original Reproducibles		$ 0.00	
Reproduction		$ 0.00	
Other		$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$ 33.50
10. SUBCONTRACTS (Lump Sum)			
SUB-CONTRACT SUB-TOTAL			$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			$ 34,298.50
11. REIMBURSABLE COSTS (Limiting Amount)			
SUB-TOTAL REIMBURSABLES			$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 34,298.50**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 34,298.50**

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GEMINI ENGINEERING & SCIENCES

(LUMP SUM)

- **Bridge Hydraulics & Scour Analysis**

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EXHIBIT "B"
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project New Berlin Road - Final Design Phase	**2. Proposal Number** P-02-20
3. Name of Consultant Gemini Engineering & Sciences, Inc.	**4. Date of Proposal** 5/8/2024

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal Engineer	$ 72.46	80	$ 5,796.80	
Project Manager	$ 72.46	0	$ 0.00	
Design Engineer	$ 67.10	40	$ 2,684.00	
Designer or Technician	$ 64.41	360	$ 23,187.60	
Drafter	$ 34.89	40	$ 1,395.60	
Clerical	$ 18.79	0	$ 0.00	
TOTAL DIRECT LABOR	$63.58	520		$ 33,064.00
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate (Office)	150	% x Total Direct Labor		$ 49,596.00
Overhead Rate (Field)	N/A	% x Total Direct Labor		$ -
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 82,660.00
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 8,266.00

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Presentation Boards	$ 0.00	
Reproduction	$ 0.00	
Newspaper Ad	$ 0.00	
U.S. Mail	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 90,926.00
11. REIMBURSABLE COSTS (Limiting Amount)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 90,926.00**
12. PRIOR CONTRACT AMOUNT	$ -
AMENDED AMOUNT OF CONTRACT	**N/A**

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CONNELLY & WICKER

(REIMBURSABLE SERVICES)

- **Preliminary + Final Pond Design Report & Storm sewer design**
- **Utility Coordination**
- **Public Meetings**

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EXHIBIT "D"
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project New Berlin Road - Final Design Phase	**2. Proposal No. / PO No.** P-02-20 631077-22
3. Name of Consultant Connelly & Wicker Inc.	**4. Date of Proposal** 5/21/2024

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$ 81.31	254	$ 20,652.74	
Senior Engineer	$ 57.25	509	$ 29,140.25	
Engineer 2 (exp 5-10 yrs)	$ 60.75	509	$ 30,921.75	
Engineer 1 (exp < 5 yrs)	$ 43.54	636	$ 27,691.44	
Engineering Intern	$ 37.51	636	$ 23,856.36	
TOTAL DIRECT LABOR	$51.99	2544		$ 132,262.54
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate (Office)	179	% x Total Direct Labor		$ 236,749.95
Overhead Rate (Field)	N/A	% x Total Direct Labor		$ -
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 369,012.49
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 36,901.25

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Presentation Boards	$ 0.00	
Reproduction	$ 0.00	
U.S. Mail	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL REIMBURSABLE AMOUNT (Items 5, 6, 8, 9 and 10)		$ 405,913.74
11. REIMBURSABLE COSTS (Limiting Amount)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY	
TOTAL AMOUNT OF REIMBURSABLE WORK (Items 5, 6, 8, 9, 10 and 11)	**$ 405,913.74**
12. PRIOR CONTRACT AMOUNT	
AMENDED AMOUNT OF CONTRACT	

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ROADWAY PLANS PREPARATION

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

	ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
113	Utility & Railroad	1"=						
	Utility Adjustment Sheets	1"=40'	Sheet	0	0	0	0	
	Railroad Key Map		Sheet	0	0	0	0	
	Railroad Plan Sheet		Sheet	0	0	0	0	
	Existing Utility Report		L.S.	0		0	0	
	JEA Water & Sewer Meetings		L.S.	0		0	0	
	Utility Coordination		Each	0		0	0	
	UTILITIES & RAILROADS TOTALS						0	Include These Totals in Roadway Plans Preparation on Sheet 6

109	Basic Roadway Plan Prep.	1"=						
	Drainage Map - Rural	1'= 500'	Basin	9	9	16	144	in roadway plans
	Drainage Map - Urban	1"=100'	Sheet	6	6	16	96	6 drainage basins - per pond basin
	Supplementary Drain. Map	1"=400	Sheet	5	5	24	120	5 maps for cross drains
	Drainage Design - Urban		L.S.	1		700	700	storm sewer design 140 x 1.25 structures for 15 ponds x 4 hrs per
	Drainage Design - Report		L.S.	1		80	80	60% submittal = 40 hrs + 90% = 24 hrs + 100% = 16 hrs
	Design - Major X-Drains		Each	5	3	32	160	5 cross drains
	Drainage Struct. - Rural		Sheet	0	0	0	0	urban section
	Drainage Struct. - Urban		Each	140	140	4	560	assume 140 structures
	Summary - Drainage Struct		Sheet	8	8	8	64	
	Summary - Side drain		Each	0	0	0	0	urban section
	Cost Estimate		L.S.	1		40	40	cost estimate @
	Preliminary Pond Design Report		L.S.	1		420	420	estimate pond tailwater - 4 hrs pipe cost estimate - 4 hrs pond plan - 8 hrs pond ICPR - 8 hrs tree mitigation cost estimate - 4 hrs Total hours per pond = 28 hrs x 15 ponds = 420 hrs
	Final Pond Design Report		L.S.	1		160	160	Pond outfall details = 8 hrs Pond ICPR design = 8 hrs Total hours = 16 hrs x 8 ponds = 128 hrs
	Flood Compensation Plan		L.S.	0		0	0	N/A
	Stormwater Pond Plans		Pond	8		16		8 ponds
	Bridge Hydraulic Report		L.S.	0		0	0	by subconsultant
	Erosion Control Plans		Sheet	0	0	0	0	lump sum activity
	DRAINAGE TOTALS				171		2544	

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EXHIBIT "D"
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project New Berlin Road - UTILITY COORDINATION	**2. Proposal No. / PO No.** P-02-20 631077-22
3. Name of Consultant Connelly & Wicker Inc.	**4. Date of Proposal** 5/22/2024

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$ 81.31	94	$ 7,643.14	
Senior Engineer	$ 57.25	189	$ 10,820.25	
Engineer 2 (exp 5-10 yrs)	$ 60.75	189	$ 11,481.75	
Engineer 1 (exp < 5 yrs)	$ 43.54	236	$ 10,275.44	
Engineering Intern	$ 37.51	236	$ 8,852.36	
TOTAL DIRECT LABOR	$51.98	944		$ 49,072.94
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate (Office)	179	% x Total Direct Labor		$ 87,840.56
Overhead Rate (Field)	N/A	% x Total Direct Labor		$ -
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 136,913.50
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 13,691.35

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Presentation Boards	$ 0.00	
Reproduction	$ 0.00	
U.S. Mail	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL REIMBURSABLE AMOUNT (Items 5, 6, 8, 9 and 10)		$ 150,604.85
11. REIMBURSABLE COSTS (Limiting Amount)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 150,604.85**
12. PRIOR CONTRACT AMOUNT	
AMENDED AMOUNT OF CONTRACT	

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

ROADWAY PLANS PREPARATION

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - UTILITY COORDINATION
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
113 Utility & Railroad	1"=						
Utility Adjustment Sheets	1"=40'	Sheet	40	40	12	480	
Drainage structure sheet		Structure	140	140	1	140	plot utilties on drainage structure
Railroad Plan Sheet		Sheet	0	0	0	0	
Existing Utility Report		L.S.	0		0	0	
JEA Water & Sewer Meetings		L.S.	1		4	4	2 meetings @ 2 hrs each
Utility Coordination		Each	40	40	8	320	JEA Water, JEA Sewer, JEA Electric, JEA Fiber; AT&T, IQ Fiber, Crown Castle Fiber; TECO Peoples gas - 8 utilities
UTILITIES & RAILROADS TOTALS						944	Include These Totals in Roadway Plans Preparation on Sheet 6

109 Basic Roadway Plan Prep.	1"=						
Drainage Map - Rural	1'= 500'	Basin	0	0	20	0	
Drainage Map - Urban	1"=100'	Sheet	0	0	0	0	
Supplementary Drain. Map	1"=400	Sheet	0	0	0	0	
Drainage Design - Urban		L.S.	0		0	0	
Drainage Design - Report		L.S.	0		0	0	
Design - Major X-Drains		Each	0	0	0	0	
Drainage Struct. - Rural		Sheet	0	0	0	0	
Drainage Struct. - Urban		Each	0	0	0	0	
Summary - Drainage Struct		Sheet	0	0	0	0	
Summary - Side drain		Each	0	0	0	0	
Cost Estimate		L.S.	1		0	0	
Pond Siting Report		L.S.	1		0	0	
Flood Compensation Plan		L.S.	0		0	0	
Stormwater Pond Plans		Pond	0		0	0	
Bridge Hydraulic Report		L.S.	0		0	0	
Erosion Control Plans		Sheet	0	0	0	0	
DRAINAGE TOTALS				0		0	

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EXHIBIT "D"
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project New Berlin Road - PUBLIC MEETINGS	**2. Proposal No. / PO No.** P-02-20 631077-22
3. Name of Consultant Connelly & Wicker Inc.	**4. Date of Proposal** 7/8/2024

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$ 81.31	32	$ 2,601.92	
Senior Engineer	$ 57.25	0	$ 0.00	
Engineer 2 (exp 5-10 yrs)	$ 60.75	64	$ 3,888.00	
Engineer 1 (exp < 5 yrs)	$ 43.54	112	$ 4,876.48	
Engineering Intern	$ 37.51	112	$ 4,201.12	
TOTAL DIRECT LABOR	$48.65	320		$ 15,567.52
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate (Office)	179	% x Total Direct Labor		$ 27,865.86
Overhead Rate (Field)	N/A	% x Total Direct Labor		$ -
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 43,433.38
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 4,343.34

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Portable Variable Message Signs-Public meeting notificatic	$ 10,480.00	
Reproduction	$ 0.00	
U.S. Mail	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ 10,480.00
10. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL REIMBURSABLE AMOUNT (Items 5, 6, 8, 9 and 10)		$ 58,256.72
11. REIMBURSABLE COSTS (Limiting Amount)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY	
TOTAL AMOUNT OF REIMBURSABLE WORK (Items 5, 6, 8, 9, 10 and 11)	**$ 58,256.72**
12. PRIOR CONTRACT AMOUNT	
AMENDED AMOUNT OF CONTRACT	

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MISCELLANEOUS DIRECT COST

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

ITEM DESCRIPTION									ITEM TOTAL	COMMENTS
Portable Changeable Message Signs: for PUBLIC MEETING NOTIFICATION										
		10	Boards @	$1,048.00	Per Board =				$10,480.00	5 signs for two Districts x 2 mtgs = 10
Reproduction (Blue Line & Sepias)										
		8.5" x 11"	8.5" x 11" Color	11" x 17"						
Preliminary Study		0	0	0	Sheets					
75% Submittal		0	0	0	Sheets					
90% Submittal		0	0	0	Sheets					
100% Submittal		0	0	0	Sheets					
Public Notice		0	0	0	Sheets					
	Total Sheets	0	0	0						
Cost:	8.5" x 11"	0	Sheets @	$ 0.10	=	$0.00				
	8.5" x 11" Color	0	Sheets @	$ 0.17	=	$0.00				
	11" x 17"	0	Sheets @	$ 0.30	=	$0.00			$0.00	
Travel From: [Consultant Office Location]										
To Project:	# Trips									
Transport.	0	x	60	miles x	$ 0.56	per mile*		$0.00		
To City Hall:	# Trips									
Transport.	0	x	20	miles x	$ 0.56	per mile*		$0.00		
To Other Agency (SJRWMD):	# Trips									
Transport.	0	x	20	miles x	$ 0.56	per mile*		$0.00	$0.00	
Shipping (Courier)		0 Deliveries @ $10.00 Each							$0.00	
Times Union Newspaper Ad									$0.00	
U.S. Mail									$0.00	
TOTAL COST									$10,480.00	

* MAXIMUM $ 0.56 / MILE

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ROADWAY PLANS PREPARATION

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	New Berlin Road - Final Design Phase
RFP NO.:	P-02-20	FROM:	Pulaski / Starratt Road intersection
PREPARED:		TO:	Cedar Point Road

ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
113 Basic Roadway Plan Prep.	1"=						
Key Map, Index & Standards		Sheet	0	0	0.0	0	
Typical Section and Notes		Sheet	0	0	0.0	0	
Pavement Design		L.S.	0		0.0	0	
Misc Const Details		Sheet	0		0.0	0	
Plan Sheets	1"=40'	Sheet	0	0	0.0	0	
Profile Sheets	1"=40'	Sheet	0	0	0.0	0	
Back of Sidewalk Profiles		Sheet	0	0	0.0	0	
Special Profiles		Sheet	0	0	0.0	0	
Maintenance of Traffic - typicals		Each	0	0	0.0	0	
Maintenance of Traffic		Sheet	0	0	0.0	0	
Cross Sections - Urban		Section	0	0	0.0	0	
Cross Sections - Rural		Section	0	0	0.0	0	
Quantity Take-Off		L.S.	0		0.0	0	
Specifications		L.S.	0		0.0	0	
Construction Cost Estimates		Each	0	0	0.0	0	
Preliminary Engineering Report		L.S.	0	0	0.0	0	
ROW Cost Estimate		L.S.	0	0	0.0	0	
Public Meeting - Preparation		Each	4	0	60.0	240	2 mtgs x 2 districts = 4 total
Public Meeting		Each	4	0	20.0	80	each mtg x 3 people at 4hrs + 8 hrs minutes
Meetings - P.M.		Each	0	0	0.0	0	
Field Reviews		Each	0	0	0.0	0	
Progress Reporting		Month	0		0.0	0	
Utilities and Railroad		L.S.	0		0.0	0	See Attached Documentation
ROADWAY PLANS TOTALS				0		320	

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Send Payments To:
Acme Barricades LC
Attn: Accounts Receivable
9800 Normandy Blvd., Jacksonville, FL 32221-2036
Tel: (904) 781-1950 Fax: (904) 781-1921
Federal Tax ID #59-3541899

INVOICE

Invoice No
Date 04/18/24

Orlando Division	Panhandle Division	Tampa Division	Miami Division	West Palm Beach
508 Clifton St	1675 Commerce Blvd	2611 South 82nd Street,	4601 Oakes Road	3705 Interstate Pkwy
Orlando, FL 32808	Midway, Florida 32343	Tampa ,FL 33619	Davie, FL 33314	West Palm Beach, FL 33404
Tel: (407) 253-4337	Tel:(850) 765-8546	Tel: (813) 623-ACME	Tel: (954)-321-8205	Tel: (561)-657-8222
Fax: (407) 253-1342	Fax:(850) 765-8549	Fax: (813) 623-2045	Fax: (954)-791-0921	Fax: (561)-657-8226

PRE-PAY CUSTOMER
9800 Normandy Blvd
Jacksonville, FL 32221

Job No
P.O. #
ACME Job 27932
Email acummings@cwieng.com

Customer Phone 904-781-1950
Customer Fax

REF: CONNELLY & WICKER INC.

Terms Credit Card

Item	Equipment and Labor	From	To	Hrs/Days	Qty	Price	Amount
Rentals:							
E	Message Board	04/18/24	04/18/24	1	2	$0.00	$0.00
					Rentals:	**Subtotal**	**$0.00**
						Tax	**$0.00**
Services:							
LS Rental	Lump Sum Rental	04/18/24		1	1	$1,950.00	$1,950.00
					Services:	**Subtotal**	**$1,950.00**
						Tax	**$146.25**

Invoice Preview

Progress Bill

Total Amount	**$1,950.00**
Total Taxes	**$146.25**
Invoice Total	**$2,096.25**

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CLARY & ASSOCIATES

(REIMBURSABLE SERVICES)

- **Pond Surveys**
- **Right-of-way Maps**
- **Subsurface Utility Locates**

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

SURVEY & RIGHT OF WAY MAPS

CONSULTANT: Connelly & Wicker

NAME OF PROJECT: NEW BERLIN RD POND SURVEYS

SUBCONSULTANT: Clary and Associates

FROM: PULASKI RD
TO: CEDAR POINT

3 MAN SURVEY RATE = $1,384.00
CADD TECHNICIAN = $113.79
SURVEYOR = $197.82
CLERICAL = $66.20

ITEM Design Survey	3-MAN DAYS	4 MAN DAYS	3-MAN COST	4-MAN COST	TOTAL COST	COMMENTS
Pond Control	8		$1,384.00		$11,072.00	Set Horizontal Control
			$1,384.00		$0.00	
Bench Levels	8		$1,384.00		$11,072.00	Set 2 Benchmarks per pond
			$1,384.00		$0.00	
Topo/ Drainage Survey	36		$1,384.00		$49,824.00	See Scope for limits
			$1,384.00		$0.00	
Locate Wetlands for ponds	8		$1,384.00		$11,072.00	Locate Wetlands
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
Total	60				$83,040.00	Total
OFFICE SUPPORT	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
Surveyor & Mapper	Hour	7	$197.82		$1,384.74	Supervise
Cadd Technician	Hour	240	$113.79		$27,309.60	Map 15 Ponds
Clerical	Hour	5	$66.20		$331.00	
TOTAL					$29,025.34	
RIGHTS-OF-WAY	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
Control Maps	Hour		$113.79		$0.00	
Right-of-Way Maps	Hour		$113.79		$0.00	
Legal Descriptions	Hour		$113.79		$0.00	
Title Searchs	Hour		$113.79		$0.00	
TOTAL		0			$0.00	

TOTAL COST $ **$112,065.00** **PREPARED:** APRIL 26,2024

LIMITING AMOUNT	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
	Each				**$0.00**	

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SURVEY & RIGHT OF WAY MAPS

CONSULTANT: Connelly & Wicker

SUBCONSULTANT: Clary and Associates

NAME OF PROJECT: NEW BERLIN ROAD
UPDATE RIGHT OF WAY MAPS

FROM: STARRATT ROAD
TO: CEDAR POINT

3 MAN SURVEY RATE = $1,384.00
CADD TECHNICIAN = $113.79
SURVEYOR = $197.82
CLERICAL = $66.20

ITEM Design Survey	3-MAN DAYS	4 MAN DAYS	3-MAN COST	4-MAN COST	TOTAL COST	COMMENTS
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
Total						Total
OFFICE SUPPORT	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
Surveyor & Mapper	Hour		$197.82		$0.00	Supervise
Cadd Technician	Hour		$113.79		$0.00	Mapping
Clerical	Hour	3	$66.20		$198.60	Clerical
TOTAL		12			$198.60	
RIGHTS-OF-WAY	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
Key Sheet	Hour		$113.79		$0.00	
Detail Sheets	Hour		$113.79		$0.00	
Reference Sheet	Hour		$113.79		$0.00	
Map TCE's & Parcels	Hour	324	$113.79		$36,867.96	Map 104 TCE's and 112 Parcels
Legal Descriptions	Hour	648	$113..79		$73,735.92	216 Legal Descriptions
TOTAL		972			**$110,604.00**	**TOTAL**

TOTAL COST $ **$110,803.00** **PREPARED:** 5/7/2024

LIMITING AMOUNT	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
	Each	1	$50,000.00		**$50,000.00**	UPDATE CURRENT ROW MAPS

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

SURVEY & RIGHT OF WAY MAPS

CONSULTANT: Connelly & Wicker

NAME OF PROJECT: NEW BERLIN ROAD UTILITY INFORMATION

SUBCONSULTANT: Clary and Associates

FROM: STARRATT RD
TO: CEDAR POINT

3 MAN SURVEY RATE = $1,384.00
CADD TECHNICIAN = $113.79
SURVEYOR = $197.82
CLERICAL = $66.20

ITEM Design Survey	3-MAN DAYS	4 MAN DAYS	3-MAN COST	4-MAN COST	TOTAL COST	COMMENTS
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
			$1,384.00		$0.00	
Total						Total
OFFICE SUPPORT	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
Surveyor & Mapper	Hour		$197.82		$0.00	Supervise
Cadd Technician	Hour		$113.79		$0.00	Mapping
Clerical	Hour		$66.20		$0.00	
TOTAL					$0.00	
RIGHTS-OF-WAY	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
Control Maps	Hour		$113.79		$0.00	
Right-of-Way Maps	Hour		$113.79		$0.00	
Legal Descriptions	Hour		$113.79		$0.00	
Title Searchs	Hour		$113.79		$0.00	
TOTAL		0			$0.00	

TOTAL COST $

PREPARED: 5/10/2024

LIMITING AMOUNT	UNIT	NO. OF UNITS	COST/ UNIT	COST	TOTAL COST	
	Each	115	$750.00		**$86,250.00**	VVH INFORMATION

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TERRACON

(REIMBURSABLE SERVICES)

• Wetland Permitting

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART ONE - GENERAL

1. PROJECT	2. PROPOSAL NUMBER
New Berlin Road Widening	
3. CONSULTANT	**4. DATE OF PROPOSAL**
Terracon Consultants, Inc.	4/23/2024

PART TWO - LABOR RELATED COSTS

5. DIRECT LABOR	HOURLY RATE	ESTIMATED HOURS	ESTIMATED COST	TOTAL
Principal or Project Manager	$ 70.32	15	$ 1,054.80	
Group Manager	$ 46.00	168	$ 7,728.00	
Senior Scientist	$ 36.03	80	$ 2,882.40	
Project Scientist	$ 19.90	64	$ 1,273.60	
Drafter/CADD Operator	$ 39.47	23	$ 907.81	
Archeologist	$ 50.13	0	$ -	
Clerical	$ 23.17	0	$ -	
TOTAL DIRECT LABOR				$ 13,846.61
6. OVERHEAD (COMBINE FRINGE BENEFIT AND ADMINISTRATIVE) OVERHEAD RATE - 199.08% X TOTAL DIRECT LABOR				$ 27,565.83
7. SUBTOTAL - LABOR + OVERHEAD (ITEMS 5 & 6)				$ 41,412.44
8. PROFIT - LABOR RELATED COSTS (ITEM 7) X 10%				$ 4,141.24

PART THREE - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS		
24" x 36" Black/White plans	$0.00	
11 X 17 Copies	$0.00	
8.5" x 11" Copies	$0.00	
Postage	$0.00	
Courier Service	$0.00	
MISCELLANEOUS DIRECT COSTS SUBTOTAL		$0.00
10. SUBCONTRACTS - LUMP SUM		
SUB-CONTRACT SUBTOTAL		$0.00
TOTAL LUMP SUM AMOUNT (ITEMS 5,6,8,9 &10)		$ *45,553.69*
11. REIMBURSABLE COSTS (LIMITING AMOUNT)		
TRAVEL		$290.00
OTHER (SPECIFY)		
SUBTOTAL REIMBURSABLE		$ 290.00

PART FOUR - SUMMARY

TOTAL AMOUNT OF CONTRACT (LUMP SUM PLUS REIMBURSABLE) ITEMS 5,6,8,9,10,&11	$ 45,843.69

N:\Proposal Documents\2024\PEQ247176\[Terracon COJ Rates - New Berlin Road Widening.xls]summary_all

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

CIVIL SERVICES, INC.

(REIMBURSABLE SERVICES)

• Bridge and Structural Design

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project New Berlin Road Widening (Pulaski / Starratt to Cedar Point)	**2. Proposal Number / Contract No.** P-02-20 / TBD
3. Name of Consultant Civil Services, Inc.	**4. Date of Proposal** 07-May-24

PART II - LABOR RELATED COSTS

5. Direct Labor	**Hourly Rate**	**Estimated Hours**	**Estimated Cost**	**TOTAL**
Principal	$ 80.39	240	$ 19,293.60	
Project Manager	$ 80.39	718	$ 57,720.02	
Design Engineer	$ 62.14	1915	$ 118,998.10	
Designer or Technician	$ 37.40	957	$ 35,791.80	
Drafter	$ 31.26	957	$ 29,915.82	
Field inspector	$ -	0	$ -	
Clerical	$ 24.56	0	$ -	
TOTAL DIRECT LABOR		4,787	Hours	$ 261,719.34
6. Overhead (Combined Fringe Benefit & Administrative)			175.00%	$ 458,008.85
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 719,728.19
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 71,972.82

PART III - OTHER COSTS

9. Miscellaneous Direct Costs	$ -	
	$ -	
	$ -	
	$ -	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)	$ -	
	$ -	
	$ -	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 791,701.00
11. REIMBURSABLE COSTS (Limiting Amount)	$ -	
	$ -	
	$ -	
	$ -	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$791,701.00**

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

CHINDALUR TRAFFIC SOLUTIONS

(REIMBURSABLE SERVICES)

- **Intersection Control Evaluation (ICE) Analysis**
- **Signalization**

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

Exhibit B
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project New Berlin Road Widening (Pulaski/Starratt to Cedar Point) New Berlin Road ICE Stage 01 and Stage 02 Analysis	**2. Proposal No. / Contract No.** P-02-20 / TBD
3. Name of Consultant orSubconsultant: Chindalur Traffic Solutions, Inc.	**4. Date of Proposal** May 7, 2024

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principle Engineer	$ 91.35	56	$ 5,115.60	
Project Manager	$ 75.11	100	$ 7,511.00	
Traffic Engineer	$ 75.11	370	$ 27,790.70	
Senior Design Engineer	$ 66.99	413	$ 27,666.87	
Design Engineer	$ 63.64	0	$ 0.00	
Designer or Technician	$ 60.91	0	$ 0.00	
Drafter				
Field Inspector				
Clerical				
TOTAL DIRECT LABOR	$ 72.51	939		$ 68,084.17
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	150 % x Total Direct Labor			$ 102,126.26
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 170,210.43**
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 17,021.04

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)		
Printing	$ 750.00	
Transportation & Shipping	$ 137.55	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ 887.55
10. SUBCONSULTANTS (Lump Sum)		
	$	
	$	
SUB-CONTRACT SUB-TOTAL (Reimb/NTE)		$ -
11. SUBCONTRACTS (Reimbursable/Not to Exceed)		
Data Collection	$	
	$	
	$	
	$	
	$	
	$	
	$	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, and 11)	**$ 188,119.02**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

New Berlin Road ICE Stage 01 and Stage 02 Analysis

	Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours	Remarks
Stage 01 ICE Analysis (5 Strategies @ 4 Intersections)								
1	Traffic Data Gathering/Traffic Projections	Hours	1	80		80		
2	CAP-X Analysis (6 Hrs Per Strategy @ 5 Strategies @ 4 Intersections)	Hours	1	120		120		
3	SPICE Analysis (3.5 Hrs Per Strategy @ 5 Strategies @ 4 Intersections)	Hours	1	70		70		
4	Stage 01 Justification (3 Hours Per Strategy @ 5 Strategies @ 4 Intersections)	Hours	1	60		60		
5	Stage 01 Comments and Edits (1 Hours Per Strategy @ 5 Strategies @ 4 Intersections)	Hours	1	20		20		
6	Stage 01 - Quality Assurance / Quality Control / Supervision	Hours	1	35		35		
Stage 02 ICE Analysis (Advancing 3 Strategies for 4 Intersections)								
7	***Concepts (CWI to Provide)***	Hours	1	0		0		
8	Operation Analysis (6 Hrs Per Strategy @ 3 Strategies @ 4 Intersections)	Hours	1	72		72		
9	Safety Analysis (Update SPICE Form from Stage 01)	Hours	1	24		24		
10	***Cost Estimates (CWI to Provide)***	Hours	1	0		0		
11	Benefit Cost- Analysis (12 Hrs @ 4 Intersections)	Hours	1	48		48		
12	Utility and ROW Impact Analysis (12 Hrs @ 4 Intersections)	Hours	1	48		48		
13	Multimodal Accommodation Analysis (12 Hrs @ 4 Intersections)	Hours	1	48		48		
14	Agency Coordination and Public Input (10 Hrs @ 4 Intersections)	Hours	1	40		40		
15	Stage 02 Justification (12 Hrs @ 4 Intersections)	Hours	1	48		48		
16	Stage 02 Comments and Edits (12 Hours @ 4 Intersections)	Hours	1	48		48		
17	Stage 02 - Quality Assurance / Quality Control / Supervision	Hours	1	38		38		
Mid-Block Crossing Analysis/Study								
18	Mid-block Crossing Analysis/Study	Hours	1	140		140		
	Total					**939**		

	6%	11%	39%	44%	0%	0%	100%
Activity Man-Hours	Principle Engineer QA/QC	Project Manager	Traffic Engineer	Senior Design Engineer	Design Engineer	Designer or Technician	Total Man Hours
Hour Distribution	56	100	370	413	0	0	939

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Exhibit B
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project New Berlin Road Widening (Pulaski/Starratt to Cedar Point) New Berlin Road Traffic Signal Design Plans (4 Intersections)	**2. Proposal No. / Contract No.** P-02-20 / TBD
3. Name of Consultant orSubconsultant: Chindalur Traffic Solutions, Inc.	**4. Date of Proposal** May 8, 2024

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principle Engineer	$ 91.35	36	$ 3,288.60	
Project Manager	$ 75.11	62	$ 4,656.82	
Traffic Engineer	$ 75.11	59	$ 4,431.49	
Senior Design Engineer	$ 66.99	209	$ 14,000.91	
Design Engineer	$ 63.64	489	$ 31,119.96	
Designer or Technician	$ 60.91	0	$ 0.00	
Drafter				
Field Inspector				
Clerical				
TOTAL DIRECT LABOR	$ 67.25	855		$ 57,497.78
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	150 % x Total Direct Labor			$ 86,246.67
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 143,744.45**
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 14,374.45

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)		
Printing	$ 1,000.00	
Transportation & Shipping	$ 137.55	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ 1,137.55
10. SUBCONSULTANTS (Lump Sum)		
	$	
	$	
SUB-CONTRACT SUB-TOTAL (Reimb/NTE)		$ -
11. SUBCONTRACTS (Reimbursable/Not to Exceed)		
Data Collection	$	
	$	
	$	
	$	
	$	
	$	
	$	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, and 11)	**$ 159,256.45**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

New Berlin Road Traffic Signal Design Plans (4 Intersections)

	Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours
Traffic Signal Design Plans (4 Intersections)							
1	Project General Tasks	Hours	1	66		66	
2	30% Plans	Hours	1	177		177	
3	60% Plans	Hours	1	177		177	
4	90% Plans	Hours	1	117		117	
5	100% Plans	Hours	1	76		76	
6	S&S Plans	Hours	1	5		5	
Interconnect Plans							
7	Project General Tasks	Hours	1	25		25	
8	30% Plans	Hours	1	52		52	
9	60% Plans	Hours	1	52		52	
10	90% Plans	Hours	1	52		52	
11	100% Plans	Hours	1	51		51	
12	S&S Plans	Hours	1	5		5	
	Total					**855**	

	4%	7%	7%	24%	57%	0%
Activity Man-Hours	Principle Engineer QA/QC	Project Manager	Traffic Engineer	Senior Design Engineer	Design Engineer	Designer or Technician
Hour Distribution	36	62	59	209	489	0

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Remarks

100%

Total Man Hours
855

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

CSI GEO

(REIMBURSABLE SERVICES)

- **Geotechnical Structural borings**

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

CSIGeo
Geotechnical · CMT · CEI

2394 St. Johns Bluff Road, Ste 200
Jacksonville, Florida 32246
tel (904) 641-1993

Geotechnical Fee Estimate

New Berlin Road
From The Intersection at Pulaski Rd/Starratt Rd to Cedar Point Rd
P-02-20
Duval County, Florida
Supplement for Ponds, Misc. Structures, Culvert and Bridges

Geotechnical Item	Unit	Number of Units	Cost / Unit	Estimated Cost
Field Investigation				
Crew & Equipment Mobilization / Demobilization:				
Mobilization - Truck Rig	ea.	3	$580.00 /ea.	$1,740.00
Mobilization - ATV Rig	ea.	3	$875.00 /ea.	$2,625.00
Pavement Coring Equipment Mobilization	ea.	1	$425.00 /ea.	$425.00
Ponds (7 ponds; 14 acres total - 3 SPT Borings @ 20' ea. per acre, per pond - Track Rig)				
42 Standard Penetration Test (SPT) @) 20' ea.:	lin. ft.	840	$15.50 /lin. ft.	$13,020.00
Extra Split Spoon Sample 0-50' SPT	ea.	126	$42.00 /ea.	$5,292.00
4" Casing to Stabilize Borehole	lin. ft.	210	$11.00 /lin. ft.	$2,310.00
Grouting the Borehole	lin. ft.	840	$7.00 /lin. ft.	$5,880.00
Clearing / Difficult Access/Stanby	hr.	21	$315.00 /hr.	$6,615.00
Boring Layout/Utility Clearance Coordination	hr.	4	$172.63 /hr.	$690.52
Mast Arms and 4 Intersections (4 SPTs per Intersection)				
16 Standard Penetration Test (SPT) @) 25' ea.:	lin. ft.	400	$15.50 /lin. ft.	$6,200.00
4" Casing to Stabilize Borehole	lin. ft.	160	$11.00 /lin. ft.	$1,760.00
Grouting the Borehole	lin. ft.	400	$7.00 /lin. ft.	$2,800.00
Boring Layout/Utility Clearance Coordination	hr.	2	$172.63 /hr.	$345.26
MOT	day	5	$2,150.00 /day	$10,750.00
Bridges Replacements (3-Span bridge @ Dunn Creek and 1-Span Bridge @ Caney Branch Creek)				
8 Standard Penetration Test (SPT) Borings @ 100' ea. Below Mudline				
0.0 - 50.0'	lin. ft.	400	$15.50 /lin. ft.	$6,200.00
51.0' - 100.0'	lin. ft.	400	$17.50 /lin. ft.	$7,000.00
Extra Split Spoon Sample (Bridge Borings @ 2.5' centers)				
0.0 - 50.0'	ea.	64	$42.00 /ea.	$2,688.00
51.0' - 100.0'	ea.	80	$47.00 /ea.	$3,760.00
4" Casing to Stabilize Borehole				
0.0 - 50.0'	lin. ft.	400	$11.00 /lin. ft.	$4,400.00
51.0' - 100.0'	lin. ft.	80	$12.00 /lin. ft.	$960.00
Grouting the Borehole				
0.0 - 50.0'	lin. ft.	400	$7.00 /lin. ft.	$2,800.00
51.0' - 100.0'	lin. ft.	400	$8.00 /lin. ft.	$3,200.00
Concrete Coring	ea.	8	$225.00 /ea.	$1,800.00
Patching	ea.	8	$55.00 /ea.	$440.00
Undisturbed Sample	ea.	0	$160.00 /ea.	$0.00
Boring Layout/Utility Clearance Coordination	hr.	1	$172.63 /hr.	$172.63
MOT	day	14	$2,150.00 /day	$30,100.00
Box Culvert				
2 Standard Penetration Test (SPT) Borings @ 26' ea.	lin. ft.	52	$15.50 /lin. ft.	$806.00
Extra Split Spoon Sample	ea.	8	$42.00 /ea.	$336.00
4" Casing to Stabilize Borehole	lin. ft.	40	$11.00 /lin. ft.	$440.00
Grouting the Borehole	lin. ft.	52	$7.00 /lin. ft.	$364.00
Undisturbed Samples	ea.	2	$160.00 /ea.	$320.00
Soil Probing 2-Person Crew	day	1	$1,500.00 /day	$1,500.00
Boring Layout/Utility Clearance Coordination	hr.	1	$172.63 /hr.	$172.63
MOT	day	1	$2,150.00 /day	$2,150.00
Sheet Pile Walls				
8 Standard Penetration Test (SPT) Borings @ 50' ea.	lin. ft.	400	$15.50 /lin. ft.	$6,200.00
4" Casing to Stabilize Borehole	lin. ft.	160	$11.00 /lin. ft.	$1,760.00
Grouting the Borehole	lin. ft.	400	$7.00 /lin. ft.	$2,800.00
Boring Layout/Utility Clearance Coordination	hr.	1	$172.63 /hr.	$172.63
MOT	day	5	$2,150.00 /day	$10,750.00
	Subtotal:			**$151,744.67**
Laboratory Testing				
Moisture Content of Soils	ea.	23	$22.00 /ea.	$506.00
Organic Content in Soils	ea.	23	$52.00 /ea.	$1,196.00
Material Finer Than No. 200 Sieve	ea.	23	$48.00 /ea.	$1,104.00
Grain Size Analysis	ea.	12	$75.00 /ea.	$900.00
Plastic limit of soil	ea.	12	$60.00 /ea.	$720.00
Liquid limit of soil	ea.	12	$60.00 /ea.	$720.00
Corrosion Series Test - (Environmental Corrosion)	ea.	20	$235.00 /ea.	$4,700.00
Consolidation	ea.	80	$530.00 /ea.	$42,400.00
	Subtotal:			**$52,246.00**
Geotechnical Investigation Total (Field Investigation & Laboratory Testing):				**$203,990.67**
Engineering/Support Services				
Project Manager	hr.	39	$254.89 /hr.	$9,940.71
Sr. Geotechnical Engineer	hr.	56	$187.72 /hr.	$10,512.32
Geotechnical Engineer	hr.	180	$172.63 /hr.	$31,073.40
CADD/Computer Technician	hr.	168	$124.52 /hr.	$20,919.36
Geotechnical Technician	hr.	79	$103.98 /hr.	$8,214.42
Clerical	hr.	40	$62.57 /hr.	$2,502.80
	Subtotal:			**$83,163.01**
Engineering/Support Services:				**$83,163.01**
GRAND TOTAL ESTIMATED FEE:				**$287,153.68**

* See Project Activity 35, for detailed man hours

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SURVEYING AND MAPPING (SAM)

(REIMBURSABLE SERVICES)

- **Hydraulic Survey + Survey Update**

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

EXHIBIT "D"
CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project New Berlin Road - Final Design Phase	**2. Proposal No. / PO No.** P-02-20 631077-22
3. Name of Consultant Surveying And Mapping, Inc. (SAM)	**4. Date of Proposal** 5/8/2024

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Chief Surveyor and Map	$ 270.87	6	$ 1,625.22	
Principal Surveyor	$ 160.76	24	$ 3,858.24	
Survey Analyst 3	$ 99.79 per Day	70	$ 6,985.30	
3 Person Crew	$ 1,437.43	22	$ 31,623.46	
TOTAL DIRECT LABOR	#DIV/0!			$ 44,092.22
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate (Office)	0 % x Total Direct Labor			$ -
Overhead Rate (Field)	N/A % x Total Direct Labor			$ -
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 44,092.22
8. PROFIT: Labor Related Costs (Item 7)	x 0%			$ -

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Presentation Boards	$ 0.00	
Reproduction	$ 0.00	
Newspaper Ad	$ 0.00	
U.S. Mail	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
	$	
	$ 0.00	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL REIMBURSABLE AMOUNT (Items 5, 6, 8, 9 and 10)		$ 44,092.22
11. REIMBURSABLE COSTS (Limiting Amount)		
	$	
	$	
	$	
	$	
Survey Update (Segments 2, 3, 4) - SAM	$ 20,000.00	
SUB-TOTAL REIMBURSABLES		$ 20,000.00

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 64,092.22**
12. PRIOR CONTRACT AMOUNT	$ -
AMENDED AMOUNT OF CONTRACT	

Docusign Envelope ID: E13FB736-65AF-4C36-88F3-7470DF286586

EBO FORM 1
SCHEDULE OF SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

Name of Proposer: **Connelly & Wicker, Inc.**

Project Title: **New Berlin Road Widening from Pulaski/Starratt Roads to Cedar Point Road**

Proposal Number: **P-02-20 / 631077-22** Total Base Proposal Amount (if applicable): **$ 3,802,855**

***Please list all JSEBs first**

Full Company Name	JSEB Category (African-American, Women, Asian, Native American, Non-MBE or Hispanic)	Type of Work to be Performed	Total Contract Value or Percentage
Chindalur Traffic Solutions, Inc.	JSEB -Asian	Traffic Engineer	9.1%
Civil Services, Inc.	JSEB -African-American	Structural Engineer	20.8%
Aerostar SES, LLC	Native American	Contamination Assessment	0.5%
CSI Geo, Inc	JSEB – African-American	Geotechnical Engineer	7.6%
Alpha Envirotech Consulting, Inc	JSEB – Woman	Environmental Science	0.9%
Gemini Engineering & Science, Inc.	JSEB – Asian Amer	Hydraulic Engineering	2.4%
Terracon, Inc.	Non-MBE	Environmental Science	1.2%
Surveying and Mapping, Inc.	Non-MBE	Surveyor	1.7%
Clary & Associates, Inc.	Non-MBE	Surveyor, Mapper	9.4%

Attach additional list of subcontractors/sub-consultants as needed

CONSULTANT/SUBCONTRACTOR/SUPPLIER TOTAL VALUES	
African-American Participation Total	**$ 1,078,855**
Hispanic-American Participation Total	$
Native-American Participation Total	**$ 18,243**
Asian-American Participation Total	**$ 438,301**
Woman Participation Total	$ 34,**299**
Non-MBE Participation Total	**$ 2,223,157**

The undersigned will enter into a formal Agreement with the JSEB Suppliers/Consultants/Subcontractors identified herein for work listed in this schedule conditioned upon execution of a contract with the City of Jacksonville. Under penalties of perjury I declare that I have read the foregoing conditions and instructions and the facts are true to the best of my knowledge and beliefs.

Signature of Proposer: Andrew Cummings Digitally signed by Andrew Cummings Date: 2024.07.08 19:26:50 -04'00' Title: Vice - President Date: July 8, 2024

Print Name: _Andrew Cummings, PE_____