Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

City of Jacksonville, Florida

Procurement Award Form (PAF)

Part 1 – Form Type: JPAC 126.204 (a) New Award, Renewals, Waive Technical Defects, Price Increases, NTE Increases.

Goods and/or Services: Engineering Design Services for Shindler Drive Phase 2

Requested Action and Justification:

Recommend approval to amend the award with GAI Consultants, Inc. to incorporate Amendment 1, Exhibits C and D, per the attached Scope of Services for additional Design Services required for the project. Total increase in the amount of $105,960.71, for a new total expenditure not to exceed $2,732,364.56.

To be executed via formal contract amendment through the Office of General Counsel.

Supplier:	GAI Consultants, Inc	**Basis of Award:**	Highest Evaluated	**BID Opening Date:**	10/12/2023

POA #:	70895-24	**PO #:**	668120-24	**Change Order #:**	N/A
Solicitation #:	PDS P-03 23	**Contract #:**	70895-24	**Contract ADM #:**	1
Term:	Project Completion	**Options:**	N/A	**Options Used:**	N/A

Federally Funded:	No	**JSEB Rec:**	Participation
Licenses Verified:	Yes	**JSEB %:**	25
Bonds Required:	No	**Bonds Waived Pursuant To:**	N/A

Fund:	32111	**Center:**	153101	**Acct:**	565030	**Proj:**	007889	**Activity:**	0000000000	$ 105,960.71
Fund:		**Center:**		**Acct:**		**Proj:**		**Activity:**		$
Fund:		**Center:**		**Acct:**		**Proj:**		**Activity:**		$

New NTE/GMP:	$ 2,732,364.56	**Contingent Amt:**	$ 0.00	**DMP/ODPO Amt:**	$ 0.00

Using Agency/BU:	PWEN:ENGINEERING AND CONSTRUCTION MANAGEMENT		
Concurrence:	Signed by: Scott Carter, P.E. 70991F9ADFC947E...	**Title:**	CHIEF OF ENGINEERING CONSTRUCTION MANAGEMENT 3/10/2026
Concurrence:	1EFA223D5D23487...	**Title:**	DIRECTOR OF PUBLIC WORKS 3/12/2026
Concurrence:		**Title:**	
Concurrence:		**Title:**	

Initial DT
Initial DT

Procurement Analyst/Buyer:	Signed by: Kemp, Benjamin 4C8860FACE2449C...	**Chief of Procurement:**	Signed by: Robert Warenburg, for Justin Freeman 3/17/2026 4812CA1D131247A...
Name:	Kemp, Benjamin	**Name:**	Dustin L. Freeman

Part 2 – JPAC Action: All award actions subject to lawfully appropriated funds.		**Part 3 – Final Awarding Authority Action:**	
Members who approve:		**Action:**	
Members who disapprove:		**Signature:**	
Date:		**Date:**	

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

PAF Instructions
Part 1 (using agency)

Form Type: This form will be used for both Administrative Awards and JPAC Requests. Select type from dropdown options.

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

Requested Action and Justification: Enter a brief description of the requested action or authority being sought. i.e.; *Request permission to award the lowest, responsive responsible bidder for an ITB or award the highest ranked supplier for an RFP.* This block should also be used for additional information such as additional 4th account strings, or other information essential for contract execution.

Supplier: Enter awarded supplier name**.** If multiple, include in "Requested Action and Justification" box.

Basis of Award: Select from Lowest Price Technical Acceptable (LPTA), Highest Price Technical Acceptable (HPTA) or N/A.

Bid Opening Date: The date bids were unsealed by Procurement.

POA #: This is your 1Cloud generated Agreement number. Select Type, Enter Number.

PO #: Enter the PO number or agreement release number.

Change Order #: Provide the applicable change order number represented by this request.

Solicitation #: Select Prefix type, Enter Number, and Year.

Contract #: This number should be the same as your POA number (unless procured prior to 2020)

Contract Amendment #: Provide the applicable amendment number represented by this request.

Term: Select the Period of Performance or Term for the initial period.

Options: Period of time for each renewal or option.

Options Used: Prior to this request, enter how many options were already used.

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

JSEB Rec: Select Encouragement or JSEB Set Aside Option.

JESB %: If JSEB Participation, enter the percentage.

Bonds Waived Pursuant to: Select option from Drop down.

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

New NTE/GMP: Enter the new total not to exceed 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 Account: Enter the Direct Materials Purchase/Owner Direct Purchase Order Account. Used mainly for CIP (Capital Improvement/Construction) Projects

Using Agency/BU: Select one from the dropdown list.

Concurrence: Using Agency internal routing requirements for Electronic Signatures (follow Proc Manual for threshold requirements)

Title: Title of person electronically signing form.

Attachments: Included any supplemental information to the Procurement Award Form. i.e.; *Scope of work, previous awards*.

**Any field 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.*

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

Exhibit C

gai consultants
transforming ideas into reality

APPROVED

Daniel VanSickle, P.E.
Digitally signed by Daniel VanSickle, P.E.
DN: C=US, E=vansickle@coj.net, CN="Daniel VanSickle, P.E."
Date: 2025.12.15 09:10:15-05'00'

December 4, 2025 (Rev)

Mr. Daniel VanSickle, PE
City of Jacksonville / Department of Public Works/
Engineering and Construction Management Division
214 N. Hogan Street,
Jacksonville, Florida 32202

Subject: Design Change Scope/Fee for Shindler Drive Phase 2 (City RFP No. P-03-23)

Dear Mr. VanSickle,

GAI Consultants, Inc. (GAI) respectfully submits the following Scope of Services and Fee Proposal for subject contract details in Fee Exhibits, attached.

GAI (Lump Sum Amount):	$52,237.94 (Refer to Engineering tasks below)
GAI Survey (Limiting Amount):	$50,222.77
Geotechnical (Allowance):	$3,500.00
Total:	**$105,960.71**

Note:
- Lump Sum to perform engineering/plan production tasks ($52,237.94) to re-align one-mile branch ($28,274.84) plus MOT Traffic Analysis ($23,963.10)
- Limiting Amount to perform Survey tasks to consist of Legals/Sketches ($50,222.77)

This assignment will be completed in conjunction with subject City RFP which has progressed past the 60% design phase. GAI will perform these services as soon as an NTP is issued for these changes. The time associated with this effort will be negotiated with the City, GAI does not anticipate any delay in progressing the work as detailed in this letter and attachments.

Scope of Services:

1. GAI LS Engineering tasks:

a. Design details and production drawings are required to re-align one mile branch, approximately 600 feet of the proposed box culvert. The effort to analyze the drainage area and produce plans are detailed in the GAI hour exhibit. The drainage design permitting changes and the plan production will adhere to City contract scope of services details.
b. MOT Traffic Analysis: During construction traffic on Shindler Road will be directed into a one-way condition throughout the project limits. This will allow the City to have a contractor reconstruct the roadway in two construction phases, while maintaining traffic in one direction. This approach is proposed to reduce construction costs and schedule. The existing corridor has a limited 66 feet of right-of-way (R/W) width, with centered roadway, which requires access to adjacent properties and side streets. The roadway detours are utilizing Hipps Road, Marlee Road and Bellrose Avenue for vehicles to

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travel back to Shindler Road via Old Middleburg Road. These three roads intersect Old Middleburg Road and Shindler Road. The MOT analysis will review traffic conditions at the Old Middleburg intersection and said side street. The operational condition at each side street with be analyzed and GAI will then consider if any improvements are required to existing stop or signalized condition. GAI will analyze these intersections utilizing traffic model and traffic counts. Work will be coordinated with the City's Old Middleburg Project currently under design. GAI, the City and City Engineer of Record (EOR) for Old Middleburg will be coordinating these findings and any approach to improving the condition during construction. Note: It is anticipated that both Shindler Road and Old Middleburg Road will be under construction in 2026, thus requiring this MOT Traffic Analysis. A traffic report will be developed and recommendation on whether additional interim improvements will be required at these intersections during planned construction.

2. **GAI Survey Limiting Amount:**

   a. Legal description and sketches are required by the City. The task is required for R/W Acquisition, Drainage Easements and Temporary Construction Easements. This detail is also used for R/W Map. The hours to accomplish this effort are attached to the scope of work. All work is signed by a Florida Registered Surveyor. It is anticipated the number of said parcels will be approximately 75 each.

3. **Exclusions:**

   a. Should traffic report result in the recommendation of temporary signalizations, then this effort will require further negotiations to detail a proposed construction plan.
   b. Survey work does not include title searches.
   c. Survey does not include estimated time to provide R/W Acquisition services (i.e. Title search, meeting with property owners,)

If you have any questions, please feel free to contact me at (904) 237-2466 for further discussion.

Sincerely,

Ronald Hoogland, P.E.
Director of Engineering

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

Exhibit D

Exhibit A - Page 1 of 1
CONTRACT FEE SUMMARY FOR
Professional Structural Engineering Services for Shindler

PART I - GENERAL

1. Project Professional Structural Engineering Services Shindler (CO1)	**2. Project Number** P-03-23
3. Name of Consultant GAI Consultants, Inc.	**4. Date of Proposal (JEA Amendment)** 12/4/2025

PART II - LABOR RELATED COSTS

5. DIRECT LABOR	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 131.63	0	0.00	
Project Manager	$ 111.62	39	4,353.2	
Assistant Project Manager	$ 85.29	0	0.00	
Senior Engineer 2	$ 96.88	39	3,778.32	
Senior Engineer 1	$ 75.82	22	1,668.04	
Project Engineer 2	$ 65.29	45	2,938.05	
Project Engineer 1	$ 53.70	37	1,986.90	
Engineer Intern	$ 42.12	35	1,474.20	
Senior Designer	$ 48.44	23	1,114.12	
Designer/Sr. CADD Technician	$ 37.91	0	0.00	
CADD Technician	$ 33.70	0	0.00	
Clerical	$ 28.43	0	0.00	
			TOTAL DIRECT LABOR	**$ 17,312.81**

6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 174.30%		$ 30,176.228
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		**$ 47,489.04**
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 4,748.90
SUB-TOTAL SALARY RELATED COSTS		**$ 52,237.94**

PART III - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS (Lump Sum) Misc. Direct Expenses (Lump Sum)	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	**$ -**
10. GAI (Limiting Amount) Survey Easements/sketches	$ 50,222.77
LA CONTRACT SUB-TOTAL	**$ 50,222.77**
11. Subcontracts (Reimbursable Sum) Geotechncial (allowance)	$ 3,500.00
SUB-CONTRACT SUB-TOTAL	**$ 3,500.00**

PART IV - SUMMARY

TOTAL AMOUNT (Items 5, 6, 8, 9, 10 and 11)	**$ 105,960.71**

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Exhibit D

CO Services

GAI R230356 (City Contract)

-

GAI Estimate by: RFH

revised 12/4/2025

Sheet	Title	Senior Project Manager	Assist PM	Senior Eng 2	Senior Engineer 1	Project Engineer 2	Project Engineer 1	EIT	Senior Designer	Clerical			Labor Hrs.
		$ 111.62	$ 85.29	$ 96.88	$ 75.82	$ 65.29	$ 53.70	$ 42.12	$ 48.44	$ 28.43			
	Design and Engineering	**27**	**0**	**5**	**22**	**19**	**7**	**35**	**23**	**0**			**138**
		$ 3,013.74	$ -	$ 484.40	$ 1,668.04	$ 1,240.51	$ 375.90	$ 1,474.20	$ 1,114.12	$ -			
											Labor subtotal	$ 9,370.91	
											Factored Cost	**$ 28,274.847**	**LS**
	MOT Traffic analysis (Old Miiddleburg)	**12**	**0**	**34**	**0**	**26**	**30**	**0**	**0**	**0**			**102**
		$ 1,339.44	$ -	$ 3,293.92	$ -	$ 1,697.54	$ 1,611.00	$ -	$ -	$ -	**Labor subtotal**	$ 7,941.90	
											Factored Cost	**$ 23,963.095**	**LS**
	Total hrs per title	**39**	**0**	**39**	**22**	**45**	**37**	**35**	**23**	**0**			
											GAI Subtotal - Lump Sum Amount	**$ 52,237.94**	**LS**
											Easement LA (see survey fee)	**$ 50,222.77**	**LA**
											GAI Total	**$ 102,460.71**	
						Summary of plan/production hours below							
	Plan Preparation												
2	*1-mile branch plan and profile (600 feet)*	*2*	*0*	*0*	*4*	*6*	*2*	*6*	*6*	*0*			*26*
3	*Ditch Cross Sections (10 sections)*	*0*	*0*	*0*	*1*	*0*	*2*	*2*	*5*	*0*			*10*
	Updates drainage sheets (summary, map, notes and erosion control)	*1*	*0*	*0*	*1*	*0*	*0*	*2*	*4*	*0*			*8*
1	*Tree mitigation plan sheet and table update (600 ft)*	*0*	*0*	*0*	*0*	*2*	*0*	*2*	*2*	*0*			*6*
1	*Temporary-bypass drainage plan*	*2*	*0*	*0*	*2*	*4*	*0*	*2*	*0*	*0*			*10*
	Quantity updates	*0*	*0*	*0*	*0*	*0*	*0*	*2*	*6*	*0*			*8*
	Drainage Engineering:		*0*										
	Drainage Basin Analysis and ditch flows (one mile branch and tributary cross drain)	*4*	*0*	*0*	*8*	*0*	*0*	*8*	*0*	*0*			*20*
	Revetment detail improvements	*2*	*0*	*0*	*2*	*2*	*0*	*4*	*0*	*0*			*10*
	Permitting	*2*	*0*	*0*	*4*	*2*	*0*	*2*	*0*	*0*			*10*
	10-set Update Resubmittal	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*			*0*
	Subtotal hours	*13*	*0*	*0*	*22*	*16*	*4*	*30*	*23*	*0*			*108*
	QaQC and Supervision 8%	*4*	*0*	*5*	*0*	*0*	*0*	*0*	*0*	*0*			*9*
	Field Meetngs (property owner, field limits,..)	*10*	*0*	*0*	*0*	*3*	*3*	*5*	*0*	*0*			*21*
	Subtotal w QaQc/Supervision/Field Meetings	*27*	*0*	*5*	*22*	*19*	*7*	*35*	*23*	*0*			*138*
	MOT Traffic analysis (Old Miiddleburg)												
	Review Traffic County	*0*	*0*	*4*	*0*	*6*	*4*	*0*	*0*	*0*			*14*
	Exisitng, proposed, interim traffic for hipps, marlee and belrose	*2*	*0*	*8*	*0*	*8*	*8*	*0*	*0*	*0*			*26*
	MOT Traffic Analysis	*2*	*0*	*12*	*0*	*6*	*16*	*0*	*0*	*0*			*36*
	Meetings	*2*		*2*	*0*	*0*	*2*						*6*
	Brief	*2*	*0*	*4*	*0*	*6*	*0*	*0*	*0*	*0*			*12*
	Subtotal hours	*8*	*0*	*30*	*0*	*26*	*30*	*0*	*0*	*0*			*94*
	QaQC and Supervision 6%	*4*	*0*	*4*	*0*	*0*	*0*	*0*	*0*	*0*			*8*
	Subotal Hours	*12*	*0*	*34*	*0*	*26*	*30*	*0*	*0*	*0*			*102*

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Exhibit D

Proposal For Surveying Services
City of Jacksonville, Florida

PART I - GENERAL

1. Project	**2. Proposal Number**
Shindler Drive - Phase 2 Cost for legals and sketches	
3. Name of Consultant	**4. Date of Proposal**
GAI Consultants, Inc.	12/4/25

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Total Cost	TOTAL
Professional Surveyor	$ 78.98	93.75	$ 7,404.38	
2-Man Crew	$ 68.45	0	$ -	
3-Man Crew	$ 105.30	0	$ -	
Survey CAD Technician	$ 37.91	243.75	$ 9,240.56	
EI	$ 42.12	0	$ -	
Clerical	$ 28.43	0	$ -	
			Total Direct Labor	**$ 16,644.94**
6. Overhead (Fringe & Administrative) Audited Overhead Rate 174.3% x Total Direct Labor				$ 29,012.13
7. Subtotal (Direct Labor + Overhead)				$ 45,657.06
8. Profit Profit 10% x (Direct Labor + Overhead)				$ 4,565.71
			TOTAL Labor Related Costs	**$ 50,222.77**

PART III - OTHER COSTS

9. Miscellaneous Direct Costs	
Miscellaneaous Direct Costs SUBTOTAL	**$ -**
10. Subconsultants None	**$ -**
Subconsultants SUBTOTAL	**$ -**
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9, and 10)	**$ 50,222.77**

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City of Jacksonville, Florida

Donna Deegan, Mayor

Procurement Division
Ed Ball Building
214 N. Hogan Street, Suite 800
Jacksonville, Florida 32202

A NEW DAY.

November 2, 2023

The Honorable Donna Deegan, Mayor
City of Jacksonville
4th Floor, St. James Building
Jacksonville, FL 32202

Dear Mayor Deegan:

Ref: P-03-23 Engineering Design Services for Shindler Drive Phase 2
Department of Public Works/Engineering & Construction Management Division

The Professional Services Evaluation Committee met today in Board Room 851 on the eighth floor of the Ed Ball Building for the purpose of concluding fee and contract negotiations with the number one ranked company/firm for the above-captioned project.

The following motion/recommendation was **adopted**:

That the City of Jacksonville enter into a contract with GAI Consultants, Inc., for Engineering Design Services for Shindler Drive Phase 2, that incorporates the attached Scope of Services identified as Exhibit 'A' and Fee Schedule identified as Exhibit 'B', provide a lump-sum amount for Design Services in the amount of $1,911,227.21 and not-to-exceed limits for: Geotechnical in the amount of $260,880.88, Survey in the amount of $244,346.00, Environmental in the amount of $55,535.40, Public Involvement in the amount of $37,840.00, Traffic Counts in the amount of $11,770.00, Utility Coordination in the amount of $35,403.55, SUE in the amount of $69,400.81, with a maximum indebtedness to the City in the amount of $2,626,403.85 and with an expiration date of project completion. All other terms and conditions are as provided in the RFP and the City's standard contract language.

If the foregoing meets your approval, we respectfully request your signature and return to my office.

Respectfully submitted,

Dustin Freeman, Chief
Procurement Division
Chairman, Professional Services
Evaluation Committee

APPROVED:

Karen Bowling

Donna Deegan, Mayor

This 3rd day of November, 2023

Karen Bowling
Chief Administrative Officer
For: Mayor Donna Deegan
Under Authority Of:
Executive Order No: 2023-02

DF: ob

cc: Council Auditor
James McCain, OGC
Subcommittee Members

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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
www.coj.net

A NEW DAY.

October 24, 2023

TO: Dustin Freeman, Chairman
Professional Services Evaluation Committee

THRU: Nina Sickler, P.E.
Director of Public Works

FROM: Robin G. Smith, P. E.
Chief, Engineering and Construction Management

Daniel VanSickle
Professional Engineer

'23 OCT 26 AM10:46:29

COJ PROCUREMENT

SUBJECT: Contract Scope and Fee Approval P-03-23
GAI Consultants, Inc.
Engineering Design Services for Shindler Drive Phase 2

The Engineering Division has negotiated with the consultant selected for Engineering Design Services for Shindler Drive Phase 2 to provide 100% design, resulting in the Scope of Services, Exhibit A and Contract Fee Schedule, Exhibit B, attached. JSEB firms to be utilized to meet the 25% Participation Percentage Plan for this contract are detailed on a separate attachment.

Accordingly, this is to recommend that the City of Jacksonville enter into a contract with GAI Consultants, Inc. for Engineering Design Services for Shindler Drive Phase 2, that includes the attached Scope of Services, Exhibit A and Fee Schedule, Exhibit B, to provide a lump sum amount for Design Services in the amount of $1,911,227.21 and not to exceed limits for: Geotechnical in the amount of $260,880.88, Survey in the amount of $244,346.00, Environmental in the amount of $55,535.40, Public Involvement in the amount of $37,840.00, Traffic Counts in the amount of $11,770.00, Utility Coordination in the amount of $35,403.55, SUE in the amount of $69,400.81; with a maximum indebtedness to the City in the amount of $2,626,403.85 and with an expiration date of Project Completion. All other terms and conditions are as provided in the RFP and the City's standard contract language.

Funding for this project is as follows:

ACCOUNTS:			
32111.153101.565030.007889.00000000.00000.0000000	3		$2,626,403.85
TOTAL			$2,626,403.85

NS/lw

Attachment: Exhibits A& B
JSEB Participation

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EXHIBIT A

gai consultants

Jacksonville Office
12574 Flagler Center Blvd., Suite 202
Jacksonville, FL 32258

T 904.363.1110
F 904.363.1115

10/17/23

Mr. Daniel VanSickle, PE
City of Jacksonville/ Department of Public Works/
Engineering and Construction Management Division
214 N. Hogan Street,
Jacksonville, FL 32202

Subject: P-03-23 Engineering Design Services for Shindler Drive-Phase 2
GAI B230356 –Design Scope of Work and Fee Proposal

Dear Mr. VanSickle:

Please accept this scope of work and fee proposal for subject work. The total amount is broken down under attached exhibits detailing the lump sum (LS) and reimbursable limiting amount (LA).

The Fee Summary is as follows:

GAI Consultants (LS):	$1,643,633.22
Subconsultant (LS):	$ 267,593.99 (JSEB)
GAI Consultants (LA):	$ 194,296.00
Subconsultant (LA):	$ 520,880.64 (JSEB)
Total:	**$2,626,403.85**

We appreciate the opportunity to submit and look forward to moving this project forward. Feel free to call me on my mobile line 904-237-2466 to discuss any of this detail.

Sincerely,

Ronald Hoogland, P.E.
Assistant Vice President

File Name: P-03-23 Shindler GAI Fee R230356

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

EXHIBIT A

ENGINEERING DESIGN SERVICES FOR SHINDLER DR. – PHASE 2

RFP NO: P-03-23

CITY OF JACKSONVILLE, FLORIDA

I. General Scope

The City intends to improve Shindler Dr from Collins Road to 103rd Street (3.3-miles of project length). The project limits lie within two neighborhoods: Jacksonville Heights South and Settlers Landing, which is bound by Old Middleburg Rd to the west and the Ortega River to the East. The key project objective is to improve vehicular, bicycle and pedestrian safety. GAI will provide the consulting services necessary for establishing the corridor changes and assist the City in community public participation as the neighborhood learns of the improvements.

This scope of services describes the approach to initial concept acceptance, data to be collected and the general engineering assignment that will be required to develop a final set of constructible plans, that the City can then use for contractor bidding. Please also refer to fee exhibits for added scope of services, production detail and assumptions the GAI team has made for the proposed work.

II. Detailed Scope For Final Design Construction Plans and Specifications

Task 1: Concept Development Brief and Public Meeting

The City developed plans in 2010 for this 2-lane roadway, proposed a rural section to include 2-11-ft lanes, 4-ft bicycle lanes, and 5-ft concrete sidewalks. The improvements also considered an urban curb and gutter sections to tie-in the intersection to the south and north at Collins Road and 103rd St, respectively. The improvements proposed attempted to construct the rural template within the existing 66-ft of right-of-way (ROW).

The City prefers to improve bicycle access by utilizing a shared-use-path (SUP) option, in lieu of Bicycle lanes. The concept brief will provide a review of:

- Traffic Study objective is to verify traffic capacity improvement of the corridor is not required beyond a three-lane section and needed intersection improvements to including left turn lane installations at existing side streets. The analysis and brief will include:
  - Review existing traffic data from previous planning studies available.
  - Collect existing traffic counts as noted under subconsultant details.
  - Perform traffic analysis in accordance w guidance from traffic analysis handbook and project traffic forecasting handbook.
    - Utilize forecasted data from the North Florida Transportation Planning Organization (Long range transportation plan travel demand model).
    - Capacity analysis to be based on Highway Capacity Manual procedure. (a microsimulation traffic analysis is not proposed).
  - Future Demand forecasting will be developed for opening and design year Directional Hours Volumes that include turning movement projections for AM and PM peak hours.
  - Operational Analysis will be completed with highway capacity software and Synchro to obtain delay at signalized and unsignalized intersections.
  - Determine NB and SB movement left turn lane length requirements on Shindler Drive
  - Perform Roadway Audit (Qualitative assessment)
- Proposed Typical section: Urban curb and gutter section over the length of project adding the SUP on one or both sides of the roadway. The roadway template option will consider the

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

opportunity to install a three lanes section (two travel lanes and a bidirectional center lane (or turn lane)) over the project limits. This typical section may also offer an opportunity to install median islands, where traffic operations are not impacted. If traffic islands are proposed the ability of vehicle u-turns will be addressed. The typical section proposed will be discussed with the City for consensus prior to any roadway plan development work.

- Roadway plan and profile (15% line and grade). Provide preliminary cross sections at 1000ft intervals.
- The concept roadway plan will be sent to existing utility companies so that they may designate facility locations.
- Bridge replacement over Mile Branch Creek. Existing Shindler Drive Bridge (Bridge No 724318), crossing, was built in 1956 and improved in 1986. The proposed bridge typical section will satisfy roadway operational requirements and pedestrian/bicycle access. GAI anticipates maintaining the two-span arrangement, utilizing Florida Slab Beams (FSBs).
- Environmental Preliminary permitting, including landscaping opportunity plan.
- Preliminary Drainage design approach:
  - Evaluation of pre versus post flows by proposing two stormwater pond locations (one north and south of Mile Branch Creek) and an assessment of stormwater outfall capacity should stormwater runoff increase. GAI does not anticipate a drainage boundary study to support any added downstream flows, to prove no impacts to downstream conditions.
  - Evaluate preliminary drainage cross culvert requirements and concept conveyance system.
  - Develop a drainage map showing existing and concept collection system.
- Determine concept ROW needs.

A public information meeting will be held to display the proposed plan accepted by the City.

Task 2: Project Management and Administration

Project management to include progress meetings, reports, billing, field reviews and key coordination with permit agency stakeholders.

Public Information will include involvement plans, scheduled public meetings, presentations, and coordination with key agencies. The detailed tasks are attached under the hourly descriptions by PIO subconsultant.

Task 3: Data Collection and Review

- Acquire and review existing survey within the project limits. Survey will include all surface details, roadway, curb, markings, signs, signals, driveways, drainage, and utilities. Survey will extend to ROW and 10 feet outside right-of-way, where fencing is not blocking the property. The selected area outside the ROW to be considered will be discussed w the City and may include several building structures. Reference survey scope of work for additional detail. Subconsultant survey crew will supplemental topographic survey (wetland flagging, utility designations, private property survey outside corridor limits, drainage outfall extension, pond locations, etc.), and ROW mapping under a limiting amount to capture additional areas not completed under limiting amount.

- Acquire existing plans from the City/Florida Department of Transportation (FDOT). Also collect existing private development drainage plans from St Johns River Water Management District (SJRWMD) and City of Jacksonville Master Stormwater Plans.

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- Conduct geotechnical investigations per attached exhibit.
- Meet with FDOT to discuss project and planned impacts to 103rd St (SR134).
- Collect traffic counts as detailed in services attached.
- Acquire Utility plans/markups/GIS plots within project corridor. Refer to utility scope of work.

Task 4: Analysis/Engineering

A. Drainage Analysis/ Plan Development

All drainage recommendations shall be based on the City Standard Specifications and Details, the Land Development Procedures Manual and the regulations and policies of applicable permitting agencies.

The concept stormwater facility plan addressed under Task 1, will summarize approach to collection, attenuation, and water quality. Note given the typical section will include three lanes and pedestrian facilities, impervious area will create additional stormwater runoff.

GAI anticipates utilizing approximately 190 drainage structures to collect and distribute stormwater to stormwater facility and outfalls. Given that there is JEA sewer gravity mains, additional conflict structures can also be anticipated. The detailed drainage analysis of the drainage network will include offsite drainage coming into the city system, review of all available drainage plans acquired, surface runoff spread and existing conveyance conditions. It is also assumed that given the direct connectivity of this roadway to the Ortega River that compensation will be allowed if some of the drainage cannot be collected efficiently. GAI will refer to the City SWMM model to ensure any cross-culvert upgrades do not impact downstream condition. A full analysis of the downstream boundary is not planned. The scope of services considers the analysis of two pond locations. The expected need for the stormwater facilities is primarily to satisfy post flow restrictions and to consider potential flood plain compensation. According to previous corridor water management permits additional water quality requirements for this subject project may be compensated as treatment credits at the 103rd Street Regional Stormwater Facility located in McGirts Creek Park.

Storm Drainage Analysis/Design Services will include storm sewer collection design, cross culvert designs, drainage structure sheets, summary of drainage structure sheets, stormwater ponds (2), SJRWMD permit, and NPDES details (SWPPP, erosion and sedimentation control).

An FDOT general use permit will be required at 103rd St (SR134), intersection approach widening which will impact several inlets. Drainage connection coordination is required.

A Bridge Hydraulic Report will be required at mile branch including floodplain impact review.

B. Roadway Plans

Design Analysis / Plan Development:

Design will be inside right-of-way limits. Any temporary easements or ROW issues discovered with be identified for City direction, requiring added services.

Typical Section Package: GAI will prepare Typical Sections for the project to be submitted to the City of Jacksonville for review and approval. This package will include the recommended pavement design.

Plans- GAI will design horizontal and vertical geometry to City standards. Design will meet City land development requirements and when applicable the Florida Greenbook. Recommended plan view will primarily come from Task 1 concept plan efforts. Full template reconstruction is expected, given the rural shoulder section is to be converted to an urban curb and gutter. Minimum longitudinal profile requirements combined with back of sidewalk and side street tie-ins will set grade elevation needs.

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Milling and resurfacing limits and widening will be established where roadway minimum profiles can be maintained and to match existing in roadway pavements.

Construct raised landscaped islands in the center of the roadway where feasible. Detail may be required to encourage traffic calming features, improved aesthetics, and pedestrian refuge. Potential landscaping will be addressed under the concept task.

Any driveway closures that may be required due to design decisions or constraints will vetted with the City. Property owners will be advised by certified letter.

All proposed curb cut ramps to meet current ADA state standards.

C. Structures

Bridge Design, analysis and load rating shall be in accordance with latest Florida Department of Transportation Structures Manual and Governing Regulations. The design will be based off the information and requirements in the geotechnical report and bridge hydraulic recommendations for scour. A US Coast Guard Permit will not be required as this bridge is not over a navigable waterway.

The design will advance bridge selected under Task 1. Design will utilize preferred structure type, piles, span and bridge length. The proposed concept will consider replacement of the existing bridge and coordination of traffic control plan. Refer to added detail by subconsultant.

Sheet pile walls wrapping either abutment is the preferred City configuration.

D. Traffic Control, Business and Pedestrian Maintenance Plans

GAI will design a safe and effective Traffic Control Plan to move vehicular and pedestrian traffic during all phases of construction. GAI will adhere to City requirements and utilize FDOT Florida Design Manual and design standard index where applicable.

Elements and key construction measures addressed in the plans may include:

- **Pedestrian traffic**: temporary protected pedestrian walkways, pedestrian detours, temporary easements, construction steps and sequencing techniques with appropriate construction limitations.
- **Vehicular access:** major phasing requirements, lane limitation requirements, traffic detours and rerouting, special signage, limited mainline and side street closures, maintaining side street circulation, temporary signals as required.
- **Emergency vehicle access**
- **Maintaining utility services:** minimizing interrupted service by construction sequencing, limiting switch-over times, coordination with JEA engineering during design of utility.
- **Maintenance of bus routes** and stops will be considered.

GAI will prepare contract plan sheets, notes, and details to include typical sections, general notes and sequencing information, plan sheets, temporary driveway details, and business access details.

E. Environmental

GAI will review existing field conditions to field delineate the landward extent of wetlands and other jurisdictional surface waters within the project area and to determine if there are any threatened or endangered species within the project limits. SJRWMD/USACE/FDEP permitting of the creek improvements will be completed as required. Refer to subconsultants services for additional details.

The GAI Design Team will conduct a pre-application meeting with the SJRWMD to ensure that all potential issues associated with wetland impact, state-owned lands, and surface water management are discussed and agreed to prior to the submittal of the permit applications.

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F. Contamination/Archeology

Contamination will include assessment of existing bridge demolition and a Phase I review of commercial properties and selected pond locations. Also included is limited sampling for existing gas station. A limited Archaeology Phase I will be conducted for the corridor including proposed pond locations. This is work is detailed under subconsultant services.

G. Utility Adjustment Coordination and Sheets

GAI will advise all utility companies identified by "Sunshine One" of the potential project encroachments affecting the corridor and request existing utility facility information noted above under data collection.

GAI will schedule a Utility coordination meeting at the 60% design stage to review utility markups provided and how their facility may be impacted by City design plans. The utility companies will be requested to provide a progress update of expected relocations or maintenance of existing facility. The utility coordinator will develop the conflict matrix with design staff assistance to track status of utilities.

Utility adjustment plans will be created for the plan submittals. These plans will reflect the on-going interpretation of utility services to remain or be relocated. If the utility company provides a copy of their facility design, these will be included in the utility adjustment sheets as information.

The utility matrix will be used to update affected utilities and to achieve a proposed utility schedule. The utility coordinator will draft preliminary schedules for each utility company, which will be refined by the utility company (utility company establishes their planned approach) and the final schedule commitment will be included in the contract specifications. The GAI team will assist the City in coordinating and documenting the utility plans, however, is not negotiating with each utility company, certifying utility commitments, or designing utility work under the City contract.

Refer to attached fee exhibit for additional information on utility coordination.

H. Subsurface Utility Locates (Limiting Amount)

A limiting amount of underground utility investigation will be needed to address underground and overhead utility/facility infrastructure that may be impacted by planned construction. Subsurface utility locates or "soft dig" test holes will be utilized to verify key existing utility locations. All "vvh" data will be shown in the utility adjustment sheets. This information will used in determining where utility conflicts exist, designing improvements to avoid conflicts, and minimizing the chance of unforeseen conflicts during construction. This work may require maintenance of traffic and permits to excavate within ROW.

I. Signalization Plans

The project encroaches two signalized intersections, 103rd street and Collins Road. There are no anticipated signal upgrades at Collins Road, however some lighting improvements at the crosswalks may be justified. Impacts to the 103rd Street signalized intersection will require the replacement of the diagonal signal system with Mast Arm structures. It is assumed that the City will want to maintain the signal configuration, however upgrade intersection turning control radius, curb return radius, pedestrian crosswalk upgrades, and south approach tie-in to 103rd St. Improvements to the intersection may also require replacing advance signal loop detection, therefore any intersection resurfacing will be limited to include stop bar markings and pedestrian crossing restriping.

Modification of signal timings at both intersections will be required.

Design will include the installation of Rectangular Flashing Beacon (RRFB) signal and signage for two mid-block crosswalk locations.

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J. Lighting Plans

GAI will model fixture photometric for determining streetlight and sidewalk requirements. Illumination requirements will meet City/FDOT standards for both roadway and pedestrian sidewalk. GAI will coordinate with the JEA to ensure consistency in the design of lighting appurtenances and service connections.

Lighting will address pedestrian crosswalk lighting requirements at the intersections with 103rd street and Colins Road and additional mid-block crossings.

K. Signing and Marking plans

Signing and Marking plans to meet all Manual on Uniform Traffic Control Devices (MUTCD), State and City requirements. GAI will review and inventory all roadway signing within corridor limits and propose upgrades as needed. There are no plans to modify existing seed limit within the corridor.

L. Landscaping plans

A landscaping opportunity plan will be provided to the City. Tree mitigation impacts and calculations will be provided as required under City Land development manual.

M. Public Meetings

Two public meeting are proposed one to introduce the Cities selected typical section and corridor plan and a second public meeting prior to construction to illustrate the plan developed.

N. Geotechnical Engineering

Geotechnical exploration services are addressed by the subconsultant. These services will be a limiting amount to include review of available geotechnical information and use of the data provided.

Task 5: Plan submittals to include Concept, 60%, 90% and 100% (Final)

- The Concept plan will include general plan view and project intent. The concept will provide approach layout, typical section, planned improvements and preliminary striping. The concept will also include a landscape opportunity plan.
- Hold a public meeting to discuss plan approach following city concept plan approval. Also hold a public meeting once the plans are ready to share with community for input. The scope detail of the public information task is an attached exhibit.
- Each submittal will include an Opinion of Probable Construction Cost (OPC)
- Submit preliminary specifications prior to 100%.
- Coordinate and acquire permits with SJRWMD, USACE and FDOT
- Acquire FDOT Permit for the improvements planned at 103rd ST (SR134).

Deliverables: Plan Submittal copies, bid documents, original signed sealed documents and permits will be provided and billed under reimbursable expenses as noted in fee estimate.

Task 6: Bidding Services

Attend and facilitate Pre-Bid Meeting, review and respond to any questions, and prepare addendums as necessary. Provide the City and assessment of bids once received.

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III. SCHEDULE:

- **Notice to Proceed:** No work on this project shall be performed until a contract has been executed and a Notice to Proceed is issued which specifically authorizes such work.
- **Production Schedule:** To be negotiated. We anticipate a concept plan submittal followed by 60%, 90% and Final plans requiring City reviews (assume 30-day review time frame).

Exceptions:

1. Streetscaping, Landscaping and Irrigation Plans are not required.
2. Proposed ROW and legal descriptions are not included since this still needs to be determined.
3. A Sovereign Submerged Lands (SSL) easement for proposed bridge is not anticipated.
4. Interconnect cable installation is not required.
5. Signal improvements at 103rd St may require minor restriping modifications, however, does not include extended resurfacing limits east and west of the intersection. Any improvements resulting from the Old Middleburg City project that may encroach on the Shindler project limits are not considered.
6. Post Design Services to be negotiated.

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EXHIBIT B

CONTRACT FEE SUMMARY FOR
Professional Structural Engineering Services for Shindler

PART I - GENERAL

1. Project Professional Structural Engineering Services Shindler	**2. Project Number** P-03-23
3. Name of Consultant GAI Consultants, Inc.	**4. Date of Proposal** 10/17/2023

PART II - LABOR RELATED COSTS

5. DIRECT LABOR	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 125.00	53	6,625.00	
Project Manager	$ 106.00	409	43,354.00	
Assistant Project Manager	$ 81.00	535	43,335.00	
Senior Engineer 2	$ 92.00	129	11,868.00	
Senior Engineer 1	$ 72.00	2150	154,800.00	
Project Engineer 2	$ 62.00	1902	117,924.00	
Project Engineer 1	$ 51.00	1996	101,796.00	
Engineer Intern	$ 40.00	944	37,760.00	
Senior Designer	$ 46.00	422	19,412.00	
Designer/Sr. CADD Technician	$ 36.00	65	2,340.00	
CADD Technician	$ 32.00	65	2,080.00	
Clerical	$ 27.00	66	1,782.00	
			TOTAL DIRECT LABOR	**$ 543,076.00**
6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 174.30%				$ 946,581.468
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 1,489,657.47**
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 148,965.75
			SUB-TOTAL SALARY RELATED COSTS	**$ 1,638,623.22**

PART III - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS (Lump Sum)	
Misc. Direct Expenses (Lump Sum)	$ 5,010.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	**$ 5,010.00**
10. SUBCONTRACTS (Lump Sum)	
Four Waters (Drainage Design Assistance)(JSEB)	$ 45,731.41
CTS (Traffic Brief) (JSEB)	$ 100,432.58
Morales (Strucutres) (JSEB)	$ 121,430.00
SUB-CONTRACT SUB-TOTAL	**$ 267,593.99**
11. Subcontracts (Reimbursable Sum)	
GAI Survey	$ 194,296.00
Meskle (Geotechnical Investigation) (JSEB)	$ 260,880.88
Smith Survey Group (Survey) (JSEB)	$ 50,050.00
NDN (Environmental, Permitting and Cultural Resources) (JSEB)	$ 55,535.40
Acuity (JSEB)	$ 37,840.00
CTS (Peggy Mallone Assoc., Traffic Counts) (JSEB)	$ 11,770.00
Four Waters: (Utility Coordination) (JSEB)	$ 35,403.55
Four waters: England Thims and Miller (SUE -w each location surveyed) (JSEB)	$ 69,400.81
SUB-CONTRACT SUB-TOTAL	**$ 715,176.64**

PART IV - SUMMARY

TOTAL AMOUNT (Items 5, 6, 8, 9, 10 and 11)	**$ 2,626,403.85**

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EXHIBIT B

EXHIBIT B

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

July 5, 2022

Kevin Leadbetter, Senior Vice President
G-A-I CONSULTANTS, INC.
618 East South Street, Suite 700
Orlando, Florida 32801

Dear Mr. Leadbetter:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 2 - Project Development and Environmental (PD&E) Studies

Group 3 - Highway Design - Roadway

- 3.1 - Minor Highway Design
- 3.2 - Major Highway Design
- 3.3 - Controlled Access Highway Design

Group 4 - Highway Design - Bridges

- 4.1.1 - Miscellaneous Structures
- 4.1.2 - Minor Bridge Design
- 4.2.1 - Major Bridge Design - Concrete
- 4.2.2 - Major Bridge Design - Steel

Group 5 - Bridge Inspection

- 5.1 - Conventional Bridge Inspection
- 5.4 - Bridge Load Rating

Group 6 - Traffic Engineering and Operations Studies

- 6.1 - Traffic Engineering Studies
- 6.2 - Traffic Signal Timing
- 6.3.1 - Intelligent Transportation Systems Analysis and Design
- 6.3.2 - Intelligent Transportation Systems Implementation

Group 7 - Traffic Operations Design

- 7.1 - Signing, Pavement Marking and Channelization
- 7.2 - Lighting
- 7.3 - Signalization

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EXHIBIT B

Group 8 - Survey and Mapping

8.1 - Control Surveying
8.2 - Design, Right of Way & Construction Surveying
8.4 - Right of Way Mapping

Group 10 - Construction Engineering Inspection

10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection
10.4 - Minor Bridge & Miscellaneous Structures CEI
10.5.1 - Major Bridge CEI - Concrete
10.5.2 - Major Bridge CEI - Steel

Group 11 - Engineering Contract Administration and Management

Group 13 - Planning

13.4 - Systems Planning
13.6 - Land Planning/Engineering

Group 15 - Landscape Architect

Group 21 - Acquisition, Negotiation, Closing, and Order of Taking

Group 24 - Acquisition Relocation Assistance

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2023, for contracting purposes.

Approved Rates

Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
174.30%	138.12%	0.057%	Reimbursed	No	4.39%	21.85%*

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell

Carliayn Kell
Professional Services
Qualification Administrator

EXHIBIT B

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Shindler Drive
County: Duval
FPN: P-03-23
FAP No.: N/A

Consultant Name: GAI Consultants, Inc.
Consultant No.: R230356
Date: 10/17/23
Estimator: RFH

Staff Classification	Total Staff Hours From "SH Summary Firm"	Principal	Project Manager	Senior Project Manager	Senior Engineer 2	Senior Engineer 1	Project Engineer 2	Project Engineer 1	Engineer Intern		Designer / Sr. CADD Tech.	CADD Tech.		SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$125.00	$108.00	$81.00	$92.00	$72.00	$62.00	$51.00	$40.00	$46.00	$36.00	$32.00	$27.00			
3. Project General and Project Common Tasks	440	4	88	75	0	106	101	0	0	0	0	0	66	440	$31,579	$71.77
4. Roadway Analysis	2,282	23	114	228	0	571	548	571	228	0	0	0	0	2,283	$146,756	$64.28
5. Roadway Plans	1,576	16	47	79	0	394	378	394	158	110	0	0	0	1,576	$96,659	$61.33
6a. Drainage Analysis	1,466	0	73	73	0	440	293	367	147	73	0	0	0	1,466	$91,452	$62.38
6b. Drainage Plans	1,048	10	31	0	0	262	210	262	147	126	0	0	0	1,048	$61,458	$58.64
7. Utilities	37	0	1	2	0	9	9	9	4	3	0	0	0	37	$2,231	$60.30
8. Environmental Permits,and Env. Clearances	64	0	0	13	51	0	0	0	0	0	0	0	0	64	$5,745	$89.77
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	90	0	5	0	14	23	18	23	9	0	0	0	0	92	$8,123	$56.55
10. Structures - Bridge Development Report	20	0	1	0	3	4	4	2	2	4	0	0	0	20	$1,284	$64.20
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	76	0	4	0	11	15	15	8	8	15	0	0	0	76	$4,864	$64.00
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	250	0	13	0	38	50	50	25	25	50	0	0	0	251	$16,149	$64.34
18. Structures - Miscellaneous	82	0	4	0	12	16	16	8	8	16	0	0	0	80	$5,136	$64.20
19. Signing & Pavement Marking Analysis	278	0	8	14	0	56	56	70	47	0	14	14	0	279	$15,888	$56.95
20. Signing & Pavement Marking Plans	124	0	0	6	0	25	25	31	25	0	6	6	0	124	$6,825	$55.04
21. Signalization Analysis	202	0	6	10	0	40	40	51	34	0	10	10	0	201	$11,447	$56.95
22. Signalization Plans	106	0	0	5	0	21	21	27	11	11	5	5	0	106	$5,882	$55.49
23. Lighting Analysis	452	0	14	23	0	90	90	113	77	0	23	23	0	453	$25,814	$56.98
24. Lighting Plans	139	0	0	7	0	28	28	35	14	14	7	7	0	140	$7,784	$55.60
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	8,732	53	409	535	129	2,150	1,902	1,996	944	422	65	65	66	8,736		
Total Staff Cost		$6,625.00	$43,354.00	$43,335.00	$11,868.00	$154,800.00	$117,924.00	$101,796.00	$37,760.00	$19,412.00	$2,340.00	$2,080.00	$1,782.00		$543,076.00	$62.17
														Check =	$543,076.00	

SALARY RELATED COSTS:						$543,076.00
OVERHEAD:			174.3%			$946,581.47
Subtotal						$1,489,657.47
profit			10.00%			$148,965.75
EXPENSES:			estimated			$5,010.00
SUBTOTAL ESTIMATED FEE:						$1,643,633.22
JSEB Lump Sum						
Subconsultant	Four Waters (Drainage Design)					$45,731.41
Subconsultant	CTS Traffic Study					$100,432.58
Subconsultant	Morales (Strucutres)					$121,430.00
JSEB Limiting Amount						
Subconsultant	Meskel Geotechnical)					$260,880.88
Subconsultant	Smith Survey					$50,050.00
Subconsultant	NDN (Environmental, Contamination, Archae.)					$55,535.40
Subconsultant	CTS (PMA Traffic Counts)					$11,770.00
Subconsultant	Acuity (public meetings)					$37,840.00
Subconsultant	Four Waters (Utility Coordination)					$35,403.55
Subconsultant	Four Waters (ETM-SUE)					$69,400.81
GAI Limiting Amount						
Subconsultant	GAI Survey					$194,296.00
SUBTOTAL ESTIMATED FEE:						$982,770.63
GRAND TOTAL ESTIMATED FEE:						$2,626,403.85

Notes:
1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.
2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Expenses	Jax 40 miles, orlando 240 miles			
Mileage @$0.5/mi	40	20	400	$ 1,400.00
	240	20	2400	
Misc expenses orlando staff site visits				$ 560.00
SJRWMD				$ 1,500.00
printing				$ 500.00
Public presentation boards= 7*150				$ 1,050.00
total				$ 5,010.00

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EXHIBIT B

Project Activity 3: General Tasks

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	8	8	Handled by Subconsultant (hours to support subconsultant)
3.1.2	Notifications	LS	1	0	0	
3.1.3	Preparing Mailing Lists	LS	1	0	0	by the City, assist w graphic from below plots and power point
3.1.4	Median Modification Letters	LS	1	0	0	n/a
3.1.5	Driveway Modification Letters	LS	1	0	0	Keep driveways (driveway closures are not planned)
3.1.6	Newsletters	LS	1	0	0	n/a
3.1.7	Renderings and Fly Throughs	LS	1	40	40	7 boards will be printed and mounted to cover the project limits, cost to produce digital layouts
3.1.8	PowerPoint Presentation	LS	1	16	16	prepare for concept and then for final, share coordiantion w subconsultant
3.1.9	Public Meeting Preparations	LS	1	16	16	assistance
3.1.10	Public Meeting Attendance/Followup	LS	1	12	12	2 engineers , 2 meetings @ 3hrs each
3.1.11	Other Agency Meetings	LS	1	0	0	n/a
3.1.12	Web Site	LS	1	0	0	n/a
				3.1 Public Involvement Subtotal	92	
3.2	Joint Project Agreements	EA	0	0	0	n/a
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	40	40	assist the city on the propearation
3.3.2	Estimated Quantites Report Preparation	Report	1	Calculated Hours	0	
		Components	1	18		
3.4	Contract Maintenance and Project Documentation	LS	1	82	82	16 to set up+3hrs each *18 months+ 12 final docs
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	n/a
3.6	Prime Consultant Project Manager Meetings	LS	1	146	146	See listing below
3.7	Plans Update	LS	1	0	0	n/a

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EXHIBIT B

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	n/a
3.9	Digital Delivery	LS	1	0	0	n/a
3.10	Risk Assessment Workshop	LS	1	0	0	n/a
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	n/a
3.11.1	Aeronautical Evaluation	LS	1	0	0	n/a
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	n/a
3.13	Other Project General Tasks	LS	1	80	80	bidding
	3. Project Common and Project General Tasks Total				**440**	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	2	2	4	
Drainage	EA	3	3	9	
Utilities	EA	6	3	18	
Environmental	EA	3	3	9	
Structures	EA	4	2	8	
Signing & Pavement Marking	EA	1	2	2	
Signalization	EA	1	2	2	
Lighting	EA	2	3	6	
Landscape Architecture	EA	0	0	0	
Survey	EA	2	3	6	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	2	3	6	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	2	2	4	
Progress Meetings	EA	18	2	36	team updates
Phase Reviews	EA	3	4	12	in person
Field Reviews	EA	8	3	24	
Total Project Manager Meetings		57		146	Total PM Meeting Hours carries to Task 3.6 above

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EXHIBIT B

Project Activity 4: Roadway Analysis

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	46	46	urban curb and gutter, colin, 103rd, bridge (16 for first +3ea *10)
4.2	Pavement Type Selection Report	LS	1	40	40	inlcude in design doc
4.3	Pavement Design Package	LS	1	0	0	no submittal package prepared
4.4	Cross-Slope Correction	LS	1	0	0	n/a
4.5	Horizontal /Vertical Master Design Files	LS	1	820	820	mid range 260 + 180*3,
4.6	Access Management	LS	1	0	0	n/a
4.7	Roundabout Final Design Analysis	LS	1	0	0	n/a
4.8	Cross Section Design Files	LS	1	300	300	100hrs per mile X 3--mid range
4.9	Temporary Traffic Control Plan Analysis	LS	1	310	310	vel II (120, (no temp signals at 103rd or Colin), =50 x3.mile (temp sections), no temp lighting, 40hrs temp drainag
4.10	Master TTCP Design Files	LS	1	112	112	32hr*3.0 mi, + 40hrs x2 phases for ped alt
4.11a	Selective Clearing and Grubbing of Existing VegetationField Assessment	LS	1	0	0	n/a
4.11b	Selective Clearing and Grubbing Site Inventory of Existing Vegetation and Cross-Discipline Coordination (OPTIONAL SERVICES)	LS	1	0	0	n/a
4.11c	Selective Clearing and Grubbing- Existing Vegetation Maintenance Report	LS	1	0	0	n/a
4.12	Tree Dispostion Plan	LS	1	36	36	tree clearing permit =12*3, (table)
4.13	Design Variations and Exceptions	LS	1	0	0	n/a
4.14	Design Report	LS	1	80	80	
4.15	Roadway Quantities for EQ Report	Length (Miles)	3.00	Calculated Hours		
		Complexity	Mid Range			
		Interchanges Rest Areas	0			
4.16	TTCP Quantities for EQ Report	Complexity		Calculated Hours	24	Lump sum signs (temp paving, pcms)
		Major Phases	0	0		
4.17	Cost Estimate	LS	1	68	68	4 each (initial at 32hrs + 12hrs *3ea)
4.18	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	N/A
4.19	Other Roadway Analyses	LS	1	60	60	Landscaping Opportunity, tree protection plan details
				Roadway Analysis Technical Subtotal	1896	

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EXHIBIT B

Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	60	60	
4.21	Monitor Existing Structures	LS	1	0	0	
4.22	Technical Meetings	LS	1	32	32	Meetings are listed below
4.23	Quality Assurance/Quality Control	LS	%	6%	114	
4.24	Independent Peer Review	LS	%	0%	0	
4.25	Supervision	LS	%	6%	114	
				Roadway Analysis Nontechnical Subtotal	320	
4.26	Coordination	LS	%	3%	66	
				4. Roadway Analysis Total	2282	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0			0
Pavement	EA	0	0	0			0
Access Management	EA	0	0	0			0
15% Line and Grade	EA	2	4	8			0
Driveways	EA	0	0	0			0
Local Governments (cities, counties, MPO)	EA	2	4	8			0
Work Zone Traffic Control	EA	2	4	8			0
30/60/90/100% Comment Review Meetings	EA	2	4	8			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				32	Subtotal Project Manager Meetings		0
Progress Meetings (if required by FDOT)	EA	0	0	0	*PM attendance at Progress Meetings is manually entered on General Task 3*		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				32	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 4.21

Carries to Tab 3

EXHIBIT B

Project Activity 5: Roadway Plans

Estimator:

Shindler Drive

P-03-23

Representing		Print Name	Signature / Date
FDOT District			
Consultant Name			

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	8	8	
5.2	Typical Section Sheets						
5.2.1	Typical Sections		EA	4	6	24	no sections for any side streets (i.e. Collins Road, 103rd St., etc)
5.2.2	Typical Section Details		EA	2	8	16	
5.3	General Notes/Pay Item Notes		Sheet	2	16	32	
5.4	Project Layout		Sheet	7	4	28	
5.5	Plan/Profile Sheet		Sheet	29	6	174	3.miles =28sht at 560ft/sht + 1 sht (40 scale)
5.6	Profile Sheet		Sheet	0	0	0	n/a
5.7	Plan Sheet		Sheet	0	0	0	n/a
5.8	Special Profile		Sheet	17	6	102	driveways 8ea per sheet (136 driveways-17 sheets)
5.9	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	n/a
5.10	Interchange Layout Sheet		Sheet	0	0	0	n/a
5.11	Ramp Terminal Details (Plan View)		Sheet	0	0	0	n/a
5.12	Intersection Layout Details		Sheet	1	12	12	103rd
5.13	Curb profiles (side streets)		EA	14	4	56	Each intersection assuming two curb returns
5.14	Cross-Section Pattern Sheets		Sheet	0	0	0	n/a
5.15	Roadway Soil Survey Sheets		Sheet	4	1	4	by others
5.16	Cross Sections		EA	175	0.5	88	159 sections for 3 miles, plus 16 misc

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EXHIBIT B

Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.17	Temporary Traffic Control Plan Sheets		Sheet	62	6	372	2 phases (construct shindletr in 1/2's) -29 sheets x 2, 2 intersection sheets x 2
5.18	Temporary Traffic Control Cross Section Sheets		EA	40	0.5	20	assume 40 sections only
5.19	Temporary Traffic Control Detail Sheets		Sheet	3	12	36	phasing and notes
5.20	Utility Adjustment Sheets		Sheet	31	10	310	29 + 2 intersections
5.21	Selective Clearing and Grubbing Sheets						
5.21.1	Selective Clearing and Grubbing		Sheet	0	0	0	n/a
5.21.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	n/a
5.22	Tree Disposition Sheets						
5.22.1	Tree Disposition Plan Sheets		Sheet	28	3	84	tree plan sheets (for tree clearing permit)
5.22.2	Tree Disposition Plan Tables and Schedules		Sheet	2	12	24	tree mitigation and tree protection
5.23	Project Control Sheets		Sheet	1	16	16	1
5.24	Environmental Detail Sheets		Sheet	3	8	24	3-mitigation sheets for permitting (bridge location, cross culvert south of 103rd st and pond)
5.25	Utility Verification Sheets (SUE Data)		Sheet	2	8	16	
					Roadway Plans Technical Subtotal	**1446**	
5.26	Quality Assurance/Quality Control		LS	%	6%	87	
5.27	Supervision		LS	%	3%	43	
					5. Roadway Plans Total	**1576**	

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EXHIBIT B

Project Activity 6a: Drainage Analysis

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	6	6	36	6 maps @ 1"=200' scale (6 outfalls, plus 103rd st (SR134) storm outfall)
6a.2	Base Clearance Calculations	Per Location	5	16	80	check bridge and the 4 cross culvert locations
6a.3	Pond Siting Analysis and Report	LS	1	6	6	pond locations by others, support role hours only
6a.4	Design of Cross Drains	EA	4	15	60	4 cross drains
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	n/a assuming Urban section
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	by others
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	n/a
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	3	10	30	3 Locations for potential impacts
6a.9	Design of Storm Drains	EA	180	2.5	450	3. Miles @ 2 inlets per 300 ft =106 structures; 2008 design included 214 Strucutres, assume 3/4 difference (214-116=98) or 74
6a.10	Optional Culvert Material	EA	180	0.15	27	
6a.11	French Drain Systems	Per Cell	0	0	0	N/A
6a.11.1	Existing French Drain Systems	Per Cell	0	0	0	N/A
6a.12	Drainage Wells	EA	0	0	0	N/A
6a.13	Drainage Design Documentation Report	LS	1	80	80	
6a.14	Bridge Hydraulic Report	EA	1	200	200	Mile Branch Bridge is FEMA Floodway +80 hrs; Assume raising bridge to provide drift clearance

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EXHIBIT B

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	60	60	template reconstruction, within constrained ROW will require temporary drainage design
6a.16	Drainage Quantities ~~for EQ Report~~	Drainage Structures		Calculated Hours 16	16	hours to complete quantities only, no tables, no reports, excel sheet tabulation
6a.17	Cost Estimate	LS	1	16	16	Urban project longer than 1 mile
6a.18	Technical Special Provisions / Modified Special Provisions	LS	1	0	0	nothing expected
6a.19	Hydroplaning Analysis	LS	1	0	0	less than 45mph not required
6a.20	Existing Permit Analysis	LS	1	32	32	Need to review existing permit, Evaluate COJ master Stormwater Plan and Review McGirts Regional Stormwater Facility permit
6a.21	Other Drainage Analysis	LS	1	40	40	SJRWMD Permitting + 1 round of RAI and supoort subconsultatn on USACE on mitigation impacts
6a.22	FDOT Permit connection	LS	1	40	40	FDOT general use permit (drainage related effort) Intersection approach widening will be required
6a.23	Erosion Control Plan	LS	1	18	20	npdes-items, SWPPP, and details (6hrs per mile x 3.)
				Drainage Analysis Technical Subtotal	**1193**	
6a.24	Field Reviews	LS	2	16	32	2 people@ 8 hrs each (includes travel) * 2 visits
6a.25	Technical Meetings	LS	1	54	54	Meetings are listed below
6a.26	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.27	Quality Assurance/Quality Control	LS	%	6%	72	
6a.28	Independent Peer Review	LS	%	0%	0	
6a.29	Supervision	LS	%	6%	72	
				Drainage Analysis Nontechnical Subtotal	**230**	
6a.30	Coordination	LS	%	3%	43	
				6a. Drainage Analysis Total	**1466**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0			0
Pond Siting	EA	0	0	0	subconsultant		0
Agency (SJRWMD)	EA	1	12	12	Assume 1 pre-App (2 people@ 6hrs(includes prep & travel)		0
Local Governments (cities, counties)	EA	0	0	0			0
FDOT Drainage	EA	1	6	6			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				**18**			0
Progress Meetings (if required by FDOT)	EA	4	6	24	*PM attendance at Progress Meetings is manually entered on General Task 3*		- -
Phase Review Meetings	EA	3	4	12	*PM attendance at Phase Review Meetings is manually entered on General Task 3*		- -
Total Meetings				**54**	**Total Project Manager Meetings (carries to Tab 3)**		**0**

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EXHIBIT B

6b. Drainage Plans

Estimator

6b. Drainage Plans Staff Hours

Shoulder Design
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
6b.1	Drainage Map (Including Interchanges)	Length (Miles)	6.00	24	144	0	0	144	6 maps @ 1"=200' scale (7 outfalls)
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	1	32	32	0	0	32	
6b.3	Drainage Structures	Drainage Structures	190	2	380	0	0	380	
		summary	5	24	120	0	0	120	
6b.4	Lateral Ditches	Ditches	4	24	96	0	0	96	Lateral Ditch Plan/Profile
		optional pipe shl	2	6	12	0	0	12	
		Cross Section Alignments	24	0.5	12	0	0	12	
6b.5	Retention/Detention/Floodplain Compensation Ponds	Ponds	0	Standard	0	0	0	0	to be performed by others-subconsultant
			0	Complex	0	0	0	0	N/A
		Cross Section Alignments	0	0	0	0	0	0	
6b.6	Erosion Control Plan	sheet	32	4	128	0	0	128	
6b.7	SWPPP	sheet	2	6	12	0	0	12	
				Drainage Plans Technical Subtotal	936	0	0	936	
6b.8	Quality Assurance/Quality Control	%	1	6%	56			56	
6b.9	Supervision	%	1	6%	56			56	
							6. Drainage Plans Total	1048	

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EXHIBIT B

Project Activity 7: Utilities

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	0	0	included under 7.9
7.2	Identify Existing Utility Agency Owner(s)	LS	1	0	0	Note: Refer to staff hours by subconsultant for reimbursable support hours. GAI hours are to participate as prime consultant, however does involve full coordination of utility collection and monitoring of each utility to ensure relocations and new designs are completed as required to accomodate new construction.
7.3	Make Utility Contacts	LS	0	0	0	
7.4	Exception Processing	LS	1	0	0	n/a
7.5	Preliminary Utility Meeting	LS	1	0	0	included under 7.9
7.6	Individual/Field Meetings	LS	1	0	0	included under 7.9
7.7	Collect and Review Plans and Data from UAO(s)	LS	0	0	0	
7.8	Subordination of Easements Coordination	LS	0	0	0	
7.9	Utility Design Meeting	LS	1	17	17	Meeting is listed below
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	12	1	12	review all of the written schedcules by others
7.11	Utility Coordination/Followup	LS	8	1	8	follow up on final reloactions
7.12	Utility Constructability Review	LS	1	0	0	n/a
7.13	Additional Utility Services	LS	1	0	0	n/a
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	
7.15	Contract Plans to UAO(s)	LS	1	0	0	
7.16	Certification/Close-Out	LS	1	0	0	
7.17	Other Utilities	LS	1	0	0	
				7. Utilities Total	**37**	

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EXHIBIT B

Project Activity 7: Utilities

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	1	2	2	minutes, meeting and prep		0
Preliminary Meeting (see 7.5)	EA	1	2	2	identify each and the rep, sunshine one		0
Individual UAO Meetings (see 7.6)	EA	1	1	1	assume jea, others in the field		0
Field Meetings (see 7.6)	EA	8	1	8			0
Design Meeting (see 7.9)	EA	2	2	4	progress meeting with design team		0
Other Meetings *(this is automatically added into Utilities Total (cell F27))*	EA	0	0	0			0
Total Meetings				**17**	**Total Project Manager Meetings (carries to Tab 3)**		**0**

Carries to Tab 3

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EXHIBIT B

Project Activity 8: Environmental Permits

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Permits and Environmental Clearances					
8.1	Preliminary Project Research	LS	1	4	4	in coorperation w subconsultant
	Permits					
8.2	**Field Work**					
8.2.1	Pond Site Alternatives	per pond site	1	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	0	0	
8.2.3	Species Surveys	LS	1	2	2	endangered species to be coordinated w subconsultant
8.3	Agency Verification of Wetland Data	LS	1	8	8	meet w agency to verify all wetlands-one field visit
8.4	**Complete And Submit All Required Permit Applications**					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	12	12	review permit app and coordinate w subconsultatn on UMAM
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	16	16	bridge dredge and fill figures-coord permit w sub
8.6	**Complete and Submit Documentation for Coordination and/or USCG Permit Application**					
8.6.1	Prepare and submit required documents for USCG coordination	LS	1	0	0	
8.6.2	Complete and submit USCG Bridge Application	LS	1	0	0	
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	

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EXHIBIT B

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	
8.10	Compensatory Mitigation Plan	LS	1	0	0	
8.11	Mitigation Coordination and Meetings	LS	1	0	0	
8.12	Regulatory Agency Support	LS	1	0	0	
	Environmental Clearances/Reevaluations					
8.13	**Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)**					all work by subconsultant
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.13.2	Archaeological and Historical Resources	LS	1	0	0	
8.13.3	Wetland Impact Analysis	LS	1	0	0	
8.13.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.13.5	Protected Speices and Habitat Impact Analysis	LS	1	0	0	
8.14	**Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)**					all work by subconsultant
8.14.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.14.2	Archaeological and Historical Resources	LS	1	0	0	
8.14.3	Wetland Impact Analysis	LS	1	0	0	
8.14.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.14.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.15	Other Environmental Permits	LS	1	0	0	
8.16	Contamination Impact Analysis	LS	1	0	0	
8.17	Asbestos Survey	LS	1	0	0	
	Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal				**42**	
8.18	Technical Meetings	LS	1	12	12	Meetings are listed below

EXHIBIT B

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.19	Quality Assurance/Quality Control	LS	%	7%	3	
8.20	Supervision	LS	%	7%	3	
	Environmental Permits and Environmental Clearances Nontechnical Subtotal				**18**	
8.21	Coordination	LS	%	7%	4	
	8. Environmental Permits and Environmental Clearances Total				**64**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	8	8			0
NMFS	EA	0	0	0			0
USACE	EA	0	0	0			0
USCG	EA	0	0	0			0
USFWS	EA	0	0	0			0
FFWCC	EA	0	0	0			0
FDOT	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				**8**		**Subtotal Project Manager Meetings**	0
Progress Meetings (if required by FDOT)	EA	2	2	4	*PM attendance at Progress Meetings is manually entered on General Task 3*		- -
Phase Review Meetings	EA	0	0	0	*PM attendance at Phase Review Meetings is manually entered on General Task 3*		- -
Total Meetings				**12**		**Total Project Manager Meetings (carries to Tab 3)**	**0**

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EXHIBIT B

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
	General Drawings						
9.1	Key Sheet and Index of Drawings	Sheet	1	2	1	2	signature on morales sheet
9.2	Project Layout	Sheet	0	0	0	0	
9.3	General Notes and Bid Item Notes	Sheet	1	4	1	4	qc morales
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0	
9.6	Standard Plans- Bridges	LS	1	0		0	
9.7	Existing Bridge Plans	LS	1	0		0	
9.8	Structures Quantites for EQ Report	Bridges	1	Calculated Hours		0	no report required
		Walls	0				
		Box Culverts	0	0			
9.9	Cost Estimate	LS	1	4		4	
9.10'	Technical Special Provisions and Modified Special Provisions	LS	1	0		0	
	Structures - Summary and Miscellaneous Tasks and Drawings				2	10	

Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	96	20	0	76	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									

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EXHIBIT B

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									
17	Retaining Walls	250								250	
18	Miscellaneous Structures	82									82
	Structures Technical Subtotal	428	20	0	76	0	0	0	0	250	82
Task No.	**Task**	**Units**	**No. of Units**	**Hours per Unit**	**Total**	**Comments**					
9.11	Field Reviews	LS	1	4	4						
9.12	Technical Meetings	LS	1	6	6	Meetings are listed below					
9.13	Quality Assurance/Quality Control	LS	%	6%	26						
9.14	Independent Peer Review	LS	1	0	0						
9.15	Supervision	LS	%	6%	26						
	Structures Nontechnical Subtotal				62						
9.16	Coordination	LS	1	18	18	assist morales Roadway 2, Utility 2, Geotech 2, Bridge Hydraulic 2, Maintenance 4, Drainage 2, City 4					
	9. Structures - Summary and Miscellaneous Tasks and Drawings				90						

Technical Meetings	**Units**	**No of Units**	**Hours/ Unit**	**Total Hours**	**Comments**	**PM Attendance at Meeting Required?**	**Number**
BDR Coordination/Review	EA	0	0	0			0
90/100% Comment Review	EA	1	4	4			0
Aesthetics Coordination	EA	0	0	0			0
Regulatory Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	1	2	2			0
Utility Companies	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				6			0
Progress Meetings (if required by FDOT)	EA	0	0	0	*PM attendance at Progress Meetings is manually entered on General Task 3*		- -
Phase Review Meetings	EA	0	0	0	*PM attendance at Phase Review Meetings is manually entered on General Task 3*		- -
Total Meetings				6	**Total Project Manager Meetings (carries to Tab 3)**		0

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EXHIBIT B

Project Activity 10: BDR

Estimator:

Bridge Identifier (Number or Name):

Shindler Drive

P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	General Requirement						
10.1	Bridge Geometry	LS	1	0		0	
10.2	Ship Impact Data Collection	LS	1	0		0	
10.3	Ship Impact Criteria	EA	0	0		0	
	Superstructure Alternatives						
10.4	Short Span Concrete Bridge	EA ALT	0	0		0	
10.5	Medium Span Concrete Bridge	EA ALT	0	0		0	
10.6	Long Span Concrete Bridge	EA ALT	0	0		0	
10.7	Structural Steel Bridge	EA ALT	0	0		0	
	Foundation & Substructure Alternatives						
10.8	Pier/Bent	EA Type	0	0		0	
10.9	Shallow Foundations / GRS Abutments	EA Type	0	0		0	
10.10	Deep Foundations	EA Foundation Evaluated	0	0		0	
	Movable Span						
10.11	Data Collection and Design Criteria	LS	1	0		0	
10.12	Movable Span Geometrics and Clearances	LS	1	0		0	
10.13	Deck System Evaluation	LS	1	0		0	
10.14	Framing Plan Development	LS	1	0		0	
10.15	Main Girder Preliminary Design	LS	1	0		0	
10.16	Conceptual Span Balance/Counterweight	LS	1	0		0	

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EXHIBIT B

Project Activity 10: BDR

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
10.17	Support System Development	LS	1	0		0	
10.18	Drive Power Calculations	LS	1	0		0	
10.19	Drive System Development	LS	1	0		0	
10.20	Power and Control Development	LS	1	0		0	
10.21	Conceptual Pier Design	LS	1	0		0	
10.22	Foundation Analysis (FL PIER)	LS	1	0		0	
10.23	Tender Visibility Study	LS	1	0		0	
	Other BDR Issues						
10.24	Aesthetics	LS	1	0		0	
10.25	TTCP/Staged Construction Requirements	LS	1	4		4	
10.26	Constructibility Requirements	LS	1	2		2	
10.27	Load Rating for damaged/widened structures	EA Unit	1	0		0	
10.28	Quantity and Cost Estimates	EA ALT	1	2		2	
10.29	Quantity and Cost Estimates - Movable Span	LS	1	0		0	
10.30	Wall Type Justification	LS	1	4		4	Assuming sheet pile walls at bridge ends , discuss in Bridge Memo
	Report Preparation						
10.31	Exhibits	EA SHEET	1	2		2	
10.32	Exhibits - Movable Span	EA SHEET	0	0		0	
10.33	Report Preparation	LS	1	6		6	review
10.34	Report Preparation - Movable Span	LS	1	0		0	
10.35	BDR Submittal Package	LS	1	0		0	
	10. Structures - Bridge Development Report Total					**20**	
	When ONLY 30% plans are final deliverable, use Task Nos. as shown for applicable bridge types for project Activities 12 thru 16. Staffhours to be negotiated and scaled appropriately.						

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EXHIBIT B

Project Activity 17: Retaining Walls

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	General Requirements						
17.1	Key Sheet	Sheet	1	16	1	16	
17.2	Horizontal Wall Geometry	Per Wall	6	5		30	Assume wrap around walls at each bridge end
	Permanent Proprietary Walls						
17.3	Vertical Wall Geometry	Per Wall	0	0		0	
17.4	Semi-Standard Drawings	Sheet	0	0	0	0	
17.5	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.6	Details	Sheet	0	0	0	0	
	Temporary Proprietary Walls						
17.7	Vertical Wall Geometry	Per Wall	0	0		0	
17.8	Semi-Standard Drawings	Sheet	0	0	0	0	
17.9	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.10	Details	Sheet	0	0	0	0	
	Cast-in-Place Retaining Walls						
17.11	Design	EA Design	0	0		0	
17.12	Vertical Wall Geometry	EA Wall	0	0		0	
17.13	General Notes	Sheet	0	0	0	0	
17.14	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.15	Sections and Details	Sheet	0	0	0	0	
17.16	Reinforcing Bar List	Sheet	0	0	0	0	

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EXHIBIT B

Project Activity 17: Retaining Walls

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Other Retaining Walls and Bulkheads						
17.17	Design	EA Design	4	20		80	Assume one design under bridge and one on the side for each end bent
17.18	Vertical Wall Geometry	EA Wall	4	5		20	short walls
17.19	General Notes, Tables and Misc. Details	Sheet	2	16	2	32	
17.20	Wall Plan and Elevations	Sheet	2	20	2	40	short walls plan and elevation fit on 1 sheet for each bridge end
17.21	Details	Sheet	2	16	2	32	
	17. Structures - Retaining Walls Total				7	250	

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EXHIBIT B

Project Activity 18: Miscellaneous Structures

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Concrete Box Culvert						
18.1	Concrete Box Culverts	EA	0	0		0	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	
	Strain Poles						
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
	Mast Arms						
18.9	Mast Arms	EA Design	3	20		60	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	6	1	6	
18.11	Mast Arm Special Details Plan Sheets	Sheet	1	16	1	16	
	Overhead/Cantilever Sign Structures						
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
	High Mast Lighting						
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
	Noise Barrier Walls (Ground Mount)						
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	
	Special Structures						
18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	LS	1	0		0	
18.30	Special Structures	LS	1	0		0	

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EXHIBIT B

Project Activity 18: Miscellaneous Structures

18.31	Other Structures	LS	1	0		0	
	Ancillary Structures Report						
18.32	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	
18.33	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles (No As built or Design Plans Available)	EA structure	0	0	0	0	
18.34	Analytical Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	
18.35	Ancillary Structures Report	LS	1	0		0	
				18. Structures - Miscellaneous Total	2	82	

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EXHIBIT B

Project Activity 19: Signing and Pavement Marking Analysis

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	1	2	2	
19.2	No Passing Zone Study	LS	1	0	0	
19.3	Signing and Pavement Marking Master Design File	LS	1	162	162	=30 set up +120 (40hr*3.miles)+ 6*2 intersections
19.4	Multi-Post Sign Support Calculations	EA	1	0	0	
19.5	Sign Panel Design Analysis	EA	1	0	0	
19.6	Sign Lighting/Electrical Calculations	EA	1	0	0	
19.7	S&PM Quantities for EQ Report	Length (Miles)	0.00	Calculated Hours	20	
		Complexity	Mid Range			
		Interchanges Rest Areas	1	20		
19.8	Cost Estimate	LS	1	40	40	
19.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
19.10	Other Signing and Pavement Marking	LS	1	0	0	
	Signing and Pavement Marking Analysis Technical Subtotal				**224**	
19.11	Field Reviews	LS	1	12	12	
19.12	Technical Meetings	LS	1	8	8	Meetings are listed below
19.13	Quality Assurance/Quality Control	LS	%	6%	13	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	6%	13	
	Signing and Pavement Marking Analysis Nontechnical Subtotal				**46**	
19.16	Coordination	LS	%	3%	8	
	19. Signing and Pavement Marking Analysis Total				**278**	

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EXHIBIT B

Project Activity 19: Signing and Pavement Marking Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Sign Panel Design	EA	0	0	0			0
Queue Length Analysis	EA	0	0	0			0
Local Governments (cities, counties)	EA	4	2	8			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				8		**Subtotal Project Manager Meetings**	0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		- -
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		- -
Total Meetings				8		**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 19.12 Carries to Tab 3

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EXHIBIT B

Estimator

20. Signing and Pavement Marking Plans

Simpler Design
P-01-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
20.1	Key Sheet		1		4	0	0	4	
	Signature Sheet		1		2	0	0	0	
20.2	General Notes/Pay Item Notes		1	Standard	12	0	0	12	
20.3	Project Layout		0		0	0	0	0	
20.4	Plan Sheet	Length (Miles)	3.00	Low Range	90	0	0	90	3 x 30hrs each
		Sig Intersection Mid-Block Xing	2		4	0	0	4	
		Interchange Roundabout	0		0	0	0	0	
		Rest Area Toll Facility	0		0	0	0	0	
20.5	Special Details	Details	0	Simple	0	0	0	0	
			0	Standard	0	0	0	0	
			0	Complex	0	0	0	0	
20.6	Service Point Details	Service Point	0	Simple	0	0	0	0	
			0	Standard	0	0	0	0	
20.7	Guide Sign Data	Sign Panel	0		0	0	0	0	
20.8	Cross Sections (Sign Installations)	Multi-post signs	0		0	0	0	0	
		Overhead Sign Structures	0	Standard	0	0	0	0	
			0	Complex	0	0	0	0	
	S&PM Plans Technical Hours Subtotal				112	0	0	116	
20.9	Quality Assurance/Quality Control	%	1	6%	7			7	
20.10	Supervision	%	1	6%	7			7	
	S&PM Plans Total							124	

Carry to Summary Tab

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EXHIBIT B

Project Activity 21: Signalization Analysis

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	4	4	review data collected by subconsultant
21.2	Traffic Data Analysis	PI	2	8	16	103rd st and collins rd
21.3	Signal Warrant Study	LS	1	0	0	N/A
21.4	System Timings	LS	1	6	6	103rd st and shindler
21.5	Reference and Master Signalization Design File	PI	2	30	60	50hrs at 103rd and 10hrs at collions rd
21.6	Reference and Master Interconnect Communication Design File	LS	1	0	0	
21.7	Overhead Street Name Sign Design	EA	4	3	12	
21.8	Pole Elevation Analysis	LS	1	2	2	
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Signalization Quantities for EQ Report	Signalized Intersections	1	Calculated Hours 20	20	
21.11	Cost Estimate	LS	1	12	12	
21.12	Technical Special Provisions and Modified Special Provisions	LS	1	8	8	
21.13	Other Signalization Analysis	LS	1	4	4	coordination w JEA on mfb connections
				Signalization Analysis Technical Subtotal	144	
21.14	Field Reviews	LS	1	12	12	
21.15	Technical Meetings	LS	1	22	22	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	6%	9	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	6%	9	
				Signalization Analysis Nontechnical Subtotal	52	
21.19	Coordination	LS	%	3%	6	
				21. Signalization Analysis Total	202	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	2	2	4	fdot		0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	2	3	6	jea		0
Maintaining Agency (cities, counties)	EA	4	2	8			0
Railroads	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				18		Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	2	2	4	PM attendance at Progress Meetings is manually entered on General Task 3		- -
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		- -
Total Meetings				22		Total Project Manager Meetings (carries to Tab 3)	0

Carries to 21.15

Carries to Tab 3

EXHIBIT B

Estimator

22. Signalization Plans

Signalization P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
22.1	Key Sheet		1		4	0	0	1	
	Signature Sheet		1		2	0	0	2	
22.2	General Notes/Pay Item Notes		1	Standard	10	0	0	10	
22.3	Signalization Plan Sheets	Signalized Intersections	2		20	0	0	20	
22.4	Interconnect Plan Sheets	Length (Miles)	0.00		0	0	0	0	
22.5	Traffic Monitoring Site	Sites (Loop Detect.)	0		0	0	0	0	
		Sites (Other Detect.)	0		0	0	0	0	
22.6	Guide Sign Data	Sign Panel	2		4	0	0	4	
22.7	Special Details	Details	0	Simple	0	0	0	0	
			3	Standard	6	0	0	6	
			2		20	0	0	20	RRFB-two locations (10hr each)
22.8	Service Point Details	Service Point	2	Simple	24	0	0	24	service pts for two new RRFB (12hr ea)
			0	Standard	0	0	0	0	
22.9	Mast Arm / Monotube Data	Signal Arm	4	Single Mast Arm	4	0	0	4	
			0	Double Mast Arm	0	0	0	0	
22.10	Strain Pole Schedule	Span	0		0	0	0	0	
22.11	TTCP Signal	Intersections w/o ped signal	0		0	0	0	0	
		Intersections with ped signal	0		0	0	0	0	
22.12	Temporary Detection Sheet	Intersections	0		0	0	0	0	
	Signalization Plans Technical Hours Subtotal				94	0	0	94	
20.13	Quality Assurance/Quality Control	%	1	6%	6			6	
20.14	Supervision	%	1	6%	6			6	
							Signalization Plans Total	106	

Carried to Summary Tab

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EXHIBIT B

Project Activity 23: Lighting Analysis

Estimator:

Shindler Drive
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	There is JEA lighitng fixtures throughout the project
23.2	Lighting Design Analysis Report (LDAR)	LS	1	80	80	
23.3	Voltage Drop Calculations	EA	6	3	18	
23.4	FDEP Coordination and Report	LS	1	0	0	
23.5	Reference and Master Design Files	LS	1	165	165	15 hrs fro set up, 40hrs per mile @3.X40=120+ 15 x 2 intersections=(15+120+30)
23.6	Temporary Highway Lighting	LS	1	40	40	assume temporary lighting required at 103rd st during construciton
23.7	Design Documentation	LS	1	16	16	
23.8	Lighting Quantities for EQ Report	Light Poles	1	Calculated Hours 20	20	quanities
23.9	Cost Estimate	LS	1	12	12	
23.10	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
23.11	Other Lighting Analysis	LS	1	12	12	2-rrfb locations
				Lighting Analysis Technical Subtotal	**363**	
23.12	Field Reviews	LS	1	12	12	
23.13	Technical Meetings	LS	1	20	20	
23.14	Quality Assurance/Quality Control	LS	%	6%	22	
23.15	Independent Peer Review	LS	%	0%	0	
23.16	Supervision	LS	%	6%	22	
				Lighting Analysis Nontechnical Subtotal	**76**	
23.17	Coordination	LS	%	3%	13	
				23. Lighting Analysis Total	**452**	

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EXHIBIT B

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	2	4	8	meeting w JEA		0
Maintaining Agency (cities, counties)	EA	0	0	0			0
Airport authority	EA	0	0	0			0
FDEP Lighting (coast areas)	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				**8**		**Subtotal Project Manager Meetings**	0
Progress Meetings (if required by FDOT)	EA	6	2	12	PM attendance at Progress Meetings is manually entered on General Task 3		- -
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		- -
Total Meetings				**20**		**Total Project Manager Meetings (carries to Tab 3)**	0

Carries to 23 13

Carries to Tab 3

EXHIBIT B

Estimator

24. Lighting Plans

Sheeter Dave
P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
24.1	Key Sheet		1		4	0	0	4	
	Signature Sheet		1		2	0	0	0	
24.2	General Notes/Pay Item Notes		1	Standard	9	0	0	9	
24.3	Pole Data, Legend and Criteria	Poles	1		6	0	0	0	
24.4	Project Layout		0		0	0	0	0	
24.5	Plan Sheets (Corridor Projects)	Length (Miles)	3.00		90	0	0	90	3 x 30 hrs each
	Plan Sheets (Isolated Loctions)	Intersections or Mid-Blocks	2		8	0	0	8	
		Interchanges or Rest Areas	0		0	0	0	0	
24.6	Special Details	Details	0	Simple	0	0	0	0	
			0	Standard	0	0	0	0	
			0	Complex	0	0	0	0	
24.7	Service Point Details	Service Point	2	Simple	12	0	0	12	
			0	Standard	0	0	0	0	
			0	Complex	0	0	0	0	
24.8	Temporary Highway Lighting		0		0	0	0	0	
		Lighting Plans Technical Hours Subtotal			131	0	0	123	
24.9	Quality Assurance/Quality Control	%	1	6%	8			8	
24.10	Supervision	%	1	6%	8			8	
							Lighting Plans Total	139	

Carries to Summary Tab

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EXHIBIT B

October 17, 2023

gai consultants
transforming ideas into reality

Right-of-Way Mapping and Route & Topographic Survey for Shindler Drive from Collins Road to 103rd Street 17,000 feet, Duval County

Project Description: Route, Topographic, & utility survey of 3 miles of proposed road and going 33 feet each side of centerline or to right-of-way line plus 10 feet where fencing is not blocking the ROW, for project in Duval County, Florida. The route survey will be from the whole intersection of Collins Road to 103rd Street and include Right-of-way maps of whole corridor. The 3D Route, topographic, & utility survey will include the route centerline of road and right-of-way lines as we will attempt to locate available property corners to come up with right-of-way however no attempt will be made to verify private boundary lines. We will also locate utilities from above ground indicators to the underground utilities along with any hand holes or manholes we can open plus locate above and below for bridge crossing. The survey will include 3D topography of the route with any buildings, driveways, sidewalks, above ground utility indicators to underground utilities, signs, light poles, drainage, fences, parking, curbing and other topography features along route. The survey may extend past right-of-way to include adjacent significant property features.

A. Scope of Services

Task 1: Route & 3D Topography Survey

- Set horizontal and vertical control in state plane coordinates for site. Locate any property corners along route. Perform 3D Route and Topographic surveying per description above.
- Produce CAD and final right-of-way survey signed and sealed Survey.

B. Completion Schedule

- The Survey services will take six to eight (6-8) weeks to complete upon commencement of services. When a Notice-To-Proceed is issued, an anticipated date will be provided.

C. Detail of Professional Survey Services

- The Survey will require GAI to add a horizontal control (NAD83 state plane datum) by Survey grade GPS Trimble R-8 receivers through a networked control station with accuracies of 0.02' and benchmarks will be set coming off benchmarks on State roads and will be on a NAVD88 datum and per profession standards run closed traverse to 2 different control and benchmarks for Quality check.
- The Survey will also locate available monumentation along the right-of-way lines to determine alignment and create Right-of-way Lines.
- The Survey will locate 3D topography along the route and may extend beyond the right-of-way to connect adjacent topographic features to our route. The topographic survey will include any buildings, driveways, sidewalks, fences, walls, signs, light poles, drainage, parking, and other topographic features within the route and may locate topographic features within adjacent Right-of-way. All topography will have elevations and contours plotted into Survey Map and CAD files.
- The Survey will locate any utility tops, markers, cuts in pavement, signs of utilities, or sunshine utility painted locations along the road. Also, we will review any as-builts for any information they may have and show on survey.
- A new Right-of-way Map, Route, 3D Topographic, & Utility Survey map will be produced from above information. The surveyor will show all information and produce this survey in CAD format with 1 foot contours and to a scaled relation to the existing ground conditions depicting as much information on the survey as per scope for an urban project. The Survey map will be professionally printed with the Surveyor signing and sealing as many prints as requested.

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EXHIBIT B

gai consultants
transforming ideas into reality

P-53-22 Survy Scope and Fee 10-17-23

D. Limiting Amount Fee

- Task 1 Hourly rates not to exceed for the Professional Services outlined in the Scope of Services: $245,087.00 (GAI) ($95,739.00 Field and $98,557.00 Mapping) and $50,050.00 sub for Smith Surveying to assist on survey tasks.

  Total =$244,346.00

Sincerely,
GAI Consultants, Inc.

Joseph K. Lek

Joseph K. Lek, P.S.M.
Survey Manager

Attachment: Exhibits– contract fees

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EXHIBIT B

Proposal For Surveying Services
City of Jacksonville, Florida

PART I - GENERAL

1. Project Shindler Drive - Phase 2 Topo full 17,000LF	**2. Proposal Number**
3. Name of Consultant GAI Consultants, Inc.	**4. Date of Proposal** 10/12/2023

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Total Cost	TOTAL
Professional Surveyor	$ 75.00	78	$ 5,850.00	
3-Man Crew	$ 100.00	160	$ 16,000.00	
Survey CAD Technician	$ 36.00	200	$ 7,200.00	
EI	$ 40.00	40	$ 1,600.00	
Clerical	$ 27.00	40	$ 1,080.00	
			Total Direct Labor	**$ 31,730.00**
6. Overhead (Fringe & Administrative) Audited Overhead Rate 174.3% x Total Direct Labor				$ 55,305.39
7. Subtotal (Direct Labor + Overhead)				$ 87,035.39
8. Profit Profit 10% x (Direct Labor + Overhead)				$ 8,703.54
			TOTAL Labor Related Costs	**$ 95,739.00**

PART III - OTHER COSTS

9. Miscellaneous Direct Costs	
Miscellaneaous Direct Costs SUBTOTAL	**$ -**
10. Subconsultants Smith Surveying	**$ 50,050.00**
Subconsultants SUBTOTAL	**$ 50,050.00**
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9, and 10)	**$ 145,789.00**

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EXHIBIT B

Proposal For Surveying Services
City of Jacksonville, Florida

PART I - GENERAL

1. Project Shindler Drive - Phase 2 R/W Mapping 17,000LF	**2. Proposal Number**
3. Name of Consultant GAI Consultants, Inc.	**4. Date of Proposal** 10/12/23

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Total Cost	TOTAL
Professional Surveyor	$ 75.00	72	$ 5,400.00	
2-Man Crew	$ 65.00	320	$ 20,800.00	
Survey CAD Technician	$ 36.00	120	$ 4,320.00	
EI	$ 40.00	32	$ 1,280.00	
Clerical	$ 27.00	32	$ 864.00	
			Total Direct Labor	**$ 32,664.00**
6. Overhead (Fringe & Administrative) Audited Overhead Rate 174.3% x Total Direct Labor				$ 56,933.35
7. Subtotal (Direct Labor + Overhead)				$ 89,597.35
8. Profit Profit 10% x (Direct Labor + Overhead)				$ 8,959.74
			TOTAL Labor Related Costs	**$ 98,557.09**

PART III - OTHER COSTS

9. Miscellaneous Direct Costs	
Miscellaneaous Direct Costs SUBTOTAL	**$ -**
10. Subconsultants None	**$ -**
Subconsultants SUBTOTAL	**$ -**
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9, and 10)	**$ 98,557.00**

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EXHIBIT B

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

PART I - GENERAL

1. Project COJ Shindler Road: Topo and Mapping support	**2. Proposal No. / Contract No.** Shindler Road
3. Name of Consultant orSubconsultant: Smith Surveying Group, LLC	**4. Date of Proposal** October 6, 2023

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 70.72	0	$ 0.00	0
Chied Surveyor	$ 67.82	0	$ 0.00	0
Project Surveyor	$ 56.18	40	$ 2,247.20	2247.2
MOT	$ -	0	$ 0.00	0
CADD	$ 45.45	40	$ 1,818.00	1818
Survey Crew	$ 67.82	206	$ 13,970.92	13970.92
Admin	$ 16.37	10	$ 163.70	163.7
TOTAL DIRECT LABOR	$ 61.49	296		$ 18,199.82

6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate 150 % x Total Direct Labor	$ 27,299.73
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)	**$ 45,499.55**
8. PROFIT: Labor Related Costs (Ite x 10%	$ 4,549.96

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)		
Printing	$ 0.00	
Transportation & Shipping	$ 0.00	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
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)	**$ 50,050.00**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

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EXHIBIT B

Subconsultant Scope and Fee Backup

Four Waters including ETM

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EXHIBIT B

FOUR WATERS ENGINEERING, INC.
324 6th Avenue North
Jacksonville Beach, FL 32250
(904) 414-2400 Office

August 25, 2023 (Rev October 3, 2023)
(Sent Electronically)

Ron Hoogland, P.E.
GAI Consultants
12574 Flagler Center Blvd, Suite 202
Jacksonville, FL 32258
r.hoogland@gaiconsultants.com

Re: Proposal for Professional Engineering Services
Shindler Drive – Phase 2, City of Jacksonville
Drainage and Utility Accommodation Assistance

Dear Mr. Hoogland:

Four Waters Engineering, Inc. (4Waters) is pleased to provide this proposal to GAI Consultants to provide engineering design services for the City of Jacksonville Shindler Drive – Phase 2 project, specifically assistance with drainage design and utility accommodation coordination. The Shindler Drive – Phase 2 project includes improvements to three miles of Shindler Drive from Collins Road to 103rd Street.

Based on our discussions with GAI, we understand our scope of work to include coordination during design with utility owners within the right-of-way of the project corridor and assistance with conceptualization and design of two drainage ponds for the project.

This proposal has been prepared based on information provided by GAI and in the RFQ documents. 4Waters proposes the following tasks to complete the noted project scope.

Task 1.0 – Utility Coordination

4Waters will provide utility coordination for the GAI design of Shindler Drive – Phase 2 project. It is our understanding that all Utility Adjustment drawings will be provided by GAI. 4Waters will be responsible for reviewing the conceptual and final design plans and preparing utility conflict matrix, coordinating with all utility agency owners (UAOs) and their consultants (as needed) for utility adjustment designs, and coordinating the information to GAI. Based on information provided by ETM Surveying & Mapping, Inc., it is our understanding that there are eight utility owners with twelve utilities within the project corridor with approximately 90,000 linear feet of utilities. Coordination is anticipated to include:

- Utility Kickoff Meeting
- Identify Existing Utility Agency Owner(s)
- Make Utility Contacts
- Preliminary Utility Meeting
- Individual/Field Meetings with UAO(s)

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- Collect and Review Plans and Data from UAO(s)
- Utility Design Meeting
- Review Utility Markups & Work Schedules, and Processing of Schedules
- Utility Coordination/Followup

Also included in this task is effort by ETM Surveying & Mapping, Inc. to provide Level A soft digs for utility exploration. The effort includes up to 55 soft cover test holes and 20 hard cover test holes which are to be located and directed by GAI. The ETM Surveying & Mapping proposal is attached.

This task will be on a reimbursable basis.

Task 2.0 – Drainage Ponds

Task includes the conceptualization and design of two stormwater ponds with locations to be determined but assumed north and south of Mile Branch Creek.

Task 2.1 Project Initiation & Kickoff:

- Initiate project with GAI and 4Waters staff.
- Attend kickoff meeting.

Task 2.2 Data Collection & Previous Design Review:

- General data collection for 4Waters use including but not limited to aerial, LiDAR, utilities, soils, FEMA data, parcel data, JEA data, wetlands, etc.
- Review CW design plans, drainage report, and permitting information to get familiar with project.
    - GAI to provide documents for review that are relevant to CW design and permitting.
- CW design uses McGirts Creek Park Regional Stormwater Facility, 4Waters to review this document provided by GAI to get understanding of CW project approach.
- **Deliverable:** Brief technical memo summary review of CW design and permitting.
- Meeting with GAI.

Task 2.3 Conceptual Design of Two Ponds:

- Review surrounding future developments in permitting with COJ or ERPs that have not been constructed for potential partnership opportunities of shared stormwater detention ponds.
- Review properties adjacent to Shindler Drive for two stormwater attenuation ponds.
- Determine size of attenuation ponds based on existing and proposed flow conditions provided by GAI.
- Determine size of ponds and outfall device for ponds needed to meet pre and post flow condition requirements of SJRWMD.
- **Deliverable:** Prepare brief technical memo of conceptual pond location determination, pond sizing and conceptual pond design figures.
- Design meeting and coordination with GAI.

Task 2.4 Final Design of Two Ponds;

Upon approval of conceptual design and required land acquisitions, proceed with final design of two ponds with outfall device.

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EXHIBIT B

- **Deliverable:** Prepare final construction drawings of two ponds and outfall devices with brief technical memo of pond sizing and outfall device calculations.
- Design meeting and coordination with GAI.

Task 2.5 Permitting Assistance:

- Virtual attendance to a pre-application meeting with SJRWMD.

Assumptions/Limitations:

- Cross pipes are not being evaluated.
- GAI to provide existing and proposed flow conditions for 4Waters use to size ponds and outfall device.
- GAI to prepare agenda and meeting minutes for meetings.
- GAI to provide geotechnical data that includes groundwater level and estimated seasonal high water table at pond locations.
- Survey and wetland data to be provided by GAI.

This task will be on a lump sum basis.

Schedule and Professional Service Fees

We are available to begin work immediately upon execution of a contract and will adhere to the schedule established by GAI and the City.

We appreciate this opportunity to be part of the GAI team and work with the City. Please find attached a detailed fee summary sheet for the identified scope of work. The task 1.0 fees are reimbursable and the task 2.0 fees are lump sum. The total proposed professional services fee is $150,535.77. If you have any questions, please contact me at abryan@4WEng.com or (904) 414-2400 Ext. 51.

Regards,
Four Waters Engineering, Inc.

Angela Bryan, PE
Principal Engineer

Attachments

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EXHIBIT B

CONTRACT RATES SUMMARY FOR
Engineering Design Services for Shindler Drive - Phase 2

PART I - GENERAL	
1. Project - Engineering Design Services for Shindler Drive - Phase 2	**2. Project Number** P-03-23
3. Name of Consultant Four Waters Engineering, Inc.	**4. Date of Proposal** 8/25/2023 (Rev 10/3/2023)

PART II - LABOR RELATED COSTS				
5. Direct Labor (Task 2.0)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal Engineer	$ 69.09	19	$ 1,312.71	
Senior Engineer/EOR	$ 61.87	69.5	$ 4,299.97	
Staff Engineer	$ 52.73	34	$ 1,792.68	
Associate Engineer	$ 45.46	109.5	$ 4,977.32	
Engineer Intern	$ 34.55	20	$ 690.90	
CADD Designer	$ 40.73	52	$ 2,117.86	
Administrative	$ 25.45	31.5	$ 801.80	
TOTAL DIRECT LABOR		335.5		$ 15,993.24
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate		150 % x Total Direct Labor		$ 23,989.86
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 39,983.10
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 3,998.31

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Mileage for Field Visits/Meetings ($0.655/mile)	$ 750.00	
Printing	$ 1,000.00	
		$ 1,750.00
10. SUBCONTRACTS (Lump Sum)		
SUB-CONTRACT SUB-TOTAL		
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 45,731.41
11. REIMBURSABLE COSTS (Limiting Amount)		
4Waters Engineering (Task 1.0) (See attached)	$ 35,403.55	
ETM Surveying & Mapping (Task 1.0)	$ 69,400.81	
SUB-TOTAL REIMBURSABLES		$ 104,804.36

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 150,535.77**

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EXHIBIT B

CONTRACT RATES SUMMARY FOR
Engineering Design Services for Shindler Drive - Phase 2

PART I - GENERAL	
1. Project - Engineering Design Services for Shindler Drive - Phase 2	**2. Project Number** P-03-23
3. Name of Consultant Four Waters Engineering, Inc.	**4. Date of Proposal** 8/25/2023 (Rev 10/3/2023)

PART II - LABOR RELATED COSTS				
5. Direct Labor (Task 1.0)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal Engineer	$ 69.09	12	$ 829.08	
Senior Engineer/EOR	$ 61.87	98	$ 6,063.26	
Staff Engineer	$ 52.73	110	$ 5,799.86	
Associate Engineer	$ 45.46	0	$ 0.00	
Engineer Intern	$ 34.55	0	$ 0.00	
CADD Designer	$ 40.73	0	$ 0.00	
Administrative	$ 25.45	0	$ 0.00	
TOTAL DIRECT LABOR		220		$ 12,692.20
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate 150 % x Total Direct Labor				$ 19,038.30
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 31,730.50
8. PROFIT: Labor Related Costs (Item 7) x 10%				$ 3,173.05

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs Mileage for Utility Mtgs/Field Visits ($0.655/mile)	$ 500.00	$ 500.00
10. SUBCONTRACTS (Lump Sum) SUB-CONTRACT SUB-TOTAL		
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 35,403.55
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)	**$ 35,403.55**

EXHIBIT B

COJ Shindler Drive Improvements - Phase 2
Four Waters Proposal for Professional Engineering Services to GAI - Task 2 Labor Breakdown

Task Description	Principal Engineer $69.09 Hours PM	Senior Engineer $61.87 Hours MK	Staff Engineer $52.73 Hours S Modeler	Associate Engineer $45.46 Hours RP	Intern $34.55 Hours $	CAD Draft $40.73 Hours $	Admin-istrative $25.45 Hours $	Total Professional Service Fees
TASK 2.1 Project Initiation, Kickoff Meeting, & Project Management								**1,236.56**
Task 2.1A Project Initiation & Kickoff Meeting	2 $138.18	4 $247.48	0 $0.00	4 $181.82	0 $0.00	0 $0.00	2 $50.91	618.39
Task 2.1B Project Management	6 $414.54	0 $0.00	0 $0.00	0 $0.00	0 $0.00	0 $0.00	8 $203.63	618.17
TASK 2.2 Data Collection and Design & Permitting Review								**2,827.73**
Task 2.2A Data Collection & Previous Design Review	1 $69.09	8 $494.96	8 $421.81	8 $363.64	0 $0.00	0 $0.00	4 $101.82	1,451.31
Task 2.2B Brief Tech Memo Summary Review	1 $69.09	4 $247.48	2 $105.45	6 $272.73	0 $0.00	2 $81.46	2 $50.91	827.12
Task 2.2C Data review meeting & coordination with GAI	1 $69.09	4 $247.48	0 $0.00	4 $181.82	0 $0.00	0 $0.00	2 $50.91	549.30
TASK 2.3 Conceptual Design								**5,587.12**
Task 2.3A Conceptual Pond Evaluation	2 $138.18	8 $494.96	12 $632.71	32 $1,454.56	8 $276.36	8 $325.82	2 $50.91	3,373.50
Task 2.3B Brief Conceptual Pond Tech Memo	1 $69.09	4 $247.48	4 $210.90	12 $545.46	0 $0.00	8 $325.82	2 $50.91	1,449.67
Task 2.3C Design meetings and coordination with GAI	1 $69.09	6 $371.22	0 $0.00	6 $272.73	0 $0.00	0 $0.00	2 $50.91	763.95
TASK 2.4 Final Design								**6,142.66**
Task 2.4A 100% Pond Design	2 $138.18	20 $1,237.40	6 $316.36	24 $1,090.92	12 $414.54	32 $1,303.30	2 $50.91	4,551.60
Task 2.4B Brief Pond Design Calculations Tech Memo	1 $69.09	4 $247.48	2 $105.45	6 $272.73	0 $0.00	2 $81.46	2 $50.91	827.12
Task 2.4C Design meetings and coordination with GAI	1 $69.09	6 $371.22	0 $0.00	6 $272.73	0 $0.00	0 $0.00	2 $50.91	763.95
TASK 2.5 Permitting Assistance								**199.17**
Task 2.5A Pre-Application Meeting (attend virtually)	0.0 $0.00	1.5 $92.81	0 $0.00	1.5 $68.18	0 $0.00	0 $0.00	1.5 $38.18	199.17
TOTAL ALL TASKS	19.0 **$1,312.71**	69.5 **$4,299.97**	34.0 **$1,792.68**	109.5 **$4,977.32**	20.0 **$690.90**	52.0 **$2,117.86**	31.5 **$801.80**	**15,993.24**

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ETM
VISION • EXPERIENCE • RESULTS

EXHIBIT B

www.etminc.com
tel 904-642-8550 • fax 904-642-4165
14775 Old St. Augustine Road • Jacksonville, Florida 32258

Revised August 15, 2023
July 28, 2023

Four Waters Engineering, Inc.
c/o Ms. Angela Bryan, PE, LEED AP
324 6th Avenue North
Jacksonville Beach, FL 32250
Tel: (904) 414-2400
Email: abryan@4weng.com

Reference: ***COJ Shindler Drive Project ~ Subsurface Utility Services***

Dear Ms. Bryan,

Pursuant to your request, ETM Surveying & Mapping, Inc., is pleased to submit a fee proposal for subsurface utility services for the City of Jacksonville Shindler Drive Project in Jacksonville, Florida. Our proposed scope of services and fee schedule are as follows:

Shindler Drive - Subsurface Utility Services

Provide subsurface utility engineering services for the project described above and as depicted on graphics provided by client. Through our initial design ticket through Sunshine811, we have found eight (8) utility owners with twelve (12) utilities within our project vicinity with approximately 90,000 linear feet of utilities to be designated. This scope of services also includes providing up to fifty-five (55) soft cover test holes and twenty (20) hard cover test holes, as directed by the engineer of record for obtaining confirmation of various subsurface utility types and depths (to top of service or pipe) sufficient for engineering design purposes. This scope of service also includes providing surveyed location of the utility designation and test holes. The deliverables will consist of finalized designating sketches and finalized test hole reports and a CAD file suitable for engineering design.

Utility Test Holes
Maximum Limiting Fee..... $69,400.81
(See Attached Rate Sheet – Exhibit A)

Estimated budget is based on available utility as-builts at time of work. Any discrepancies between existing utilities and as-builts may require additional fees.

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

Four Waters Engineering, Inc.
c/o Ms. Angela Bryan, P.E., LEED AP

*Reference: **City of Jacksonville Shindler Drive Project ~ Subsurface Utility Services***

Items Not Included

Title Review
Jurisdictional Wetlands Survey
As-Built Survey
Sketch and Legal Description
Mean High Water Line Survey
Document Processing for Recordation
Topographic Survey
Tree Survey
Construction Layout
Plat Preparation
County Plat Review
Plat Processing for Recordation
Boundary Survey

Costs such as additional printing and delivery services will be invoiced at direct cost plus 15%. Fees outlined hereon are valid for a period of 90 days from the above referenced date.

Please indicate your agreement with this proposal and the attached General Conditions by signing in the space provided and return one copy to our office.

If you should have any questions or need additional information, please call. Thank you for this opportunity to be of professional service.

Sincerely,

ETM SURVEYING & MAPPING, INC.

Barry Scott
Director of Survey Operations, Shareholder

Andrew Knuppel, P.S.M.
Vice President

Accepted this _____day

of_____, 2023

By:_____
Signature

_____
Print Name and Title

_____
Company

Attachments: General Conditions

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

EXHIBIT B

Exhibit A

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION

CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project - Survey & SUE Services for the Shindler Drive Project Test Holes	**2. Proposal No. / Contract No.** P-53-22
3. Name of Consultant orSubconsultant: ETM Surveying & Mapping, Inc.	**4. Date of Proposal** August 15, 2023

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
SUR Principal	$ 70.60	1	$ 70.60	
SUR Surveyor (Registered)	$ 53.99	2	$ 107.98	
SUR Crew Chief	$ 28.65	40	$ 1,146.00	
SUR Instrument Operator	$ 20.79	40	$ 831.60	
SUR Field Assistant	$ 17.11	40	$ 684.40	
SUR Technician	$ 34.17	8	$ 273.36	
SUR Drafter/Cadd Operator	$ 31.15	16	$ 498.40	
SUR Clerical	$ 26.13	2	$ 52.26	
SUE Senior Utility Coordinator	$ 47.74	25	$ 1,193.50	
SUE Analyst	$ 24.57	40	$ 982.80	
SUE Crew Chief	$ 30.01	80	$ 2,400.80	
SUE Instrument Technician	$ 24.00	80	$ 1,920.00	
SUE Technician	$ 18.54	0	$ 0.00	
			$ 0.00	
TOTAL DIRECT LABOR	$ 27.17	374		$ 10,161.70
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate		167.5 % x Total Direct Labor		$ 17,020.85
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 27,182.55**
8. PROFIT: Labor Related Costs (Item 7)		x	**10%**	$ 2,718.26

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)				
Hard Surface Test Hole	$600 each	20	$ 12,000.00	$ 12,000.00
Soft Surface Test Hole	$500 each	55	$ 27,500.00	$ 27,500.00
			$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 39,500.00
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)	**$ 69,400.81**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

EXHIBIT B
EXHIBIT B

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

June 23, 2022

Scott Graham, Vice President
ETM SURVEYING & MAPPING, INC.
14775 Old St. Augustine Road
Jacksonville, Florida 32258

Dear Mr. Graham:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 8 - Survey and Mapping

8.1 - Control Surveying
8.2 - Design, Right of Way & Construction Surveying
8.4 - Right of Way Mapping

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2023, for contracting purposes.

Approved Rates

Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
167.50%	0.406%	Reimbursed	No	3.58%

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell

Carliayn Kell
Professional Services
Qualification Administrator

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

I. Purpose

The intent of this project is to perform a Design Traffic Analysis to facilitate the design of roadway improvements for Shindler Road.

II. Description

The project limits along Shindler Road from Collins Road to SR 134 (103rd Street).

III. Scope of Work

The consultant will conduct a develop an Operational and Safety Analysis Technical Memorandum and summary Design Traffic Analysis Report (DTAR) to determine the appropriate typical section and roadway improvements for Shindler Road and intersections. The analysis will include the following tasks:

A. Data Collection

Traffic data will be collected to identify current traffic and circulation patterns, identify any hazardous locations, and provide base data for projecting future traffic volumes. All counts will be tabulated in electronic spreadsheet format and graphed. Data collection efforts will include:

1. 24-hour Class Hose Count (per lane) will be taken at the following locations:
   - Shindler Drive between Falcon Trace Drive South and Falcon Trace Drive North
   - Shindler Road north of Marlee Road
   - Shindler Road between Barco Lane and Circle K south driveway

2. Turning Movement Counts (TMC) – Two-hour AM and PM peak hour manual turning movement counts (separated by cars, trucks, pedestrians and bicyclists) will be conducted at the following intersections:
   - Shindler Road at Collins Road – (Multi-Unit)
   - Shindler Road at Falcon Trace Drive South
   - Shindler Road at Falcon Trace Drive North
   - Shindler Road at Walden Road
   - Shindler Road at Taurus Street
   - Shindler Road at Taylor Field Road – (Multi-Unit)
   - Shindler Road at Feldman Road
   - Shindler Road at Hipps Road
   - Shindler Road at Kaye Lane
   - Shindler Road at Marlee Road
   - Shindler Road at Bellrose Avenue – (Multi-Unit)
   - Shindler Road at Trilby Avenue
   - Shindler Road at Barco Lane
   - Shindler Road at Circle K south driveway
   - Shindler Road at Circle K north driveway
   - Shindler Road at SR 134 (103rd Street) – (Multi-Unit)
   - Old Middleburg Road at Circle K south driveway
   - Old Middleburg Road at Circle K north driveway

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

B. Transportation Model

Base Year, Interim Year (10 Year) and Horizon Year (20 Year) traffic volumes will be developed using the most recent Northeast Regional Planning Model (NERPM_ABv3). The model will be used for traffic forecasting. Planned and programmed developments and improvements will be added or validated within the model. Traffic projections will be developed for Base Year, Interim Year and Horizon Year.

C. Operational Analysis

The analysis will determine the roadway's existing and proposed Level of Service (LOS) for the existing conditions and for Base Year, Interim Year and Horizon Year to determine the required number of travel lanes or preferred typical section. The latest version of Synchro/SimTraffic will be utilized for the AM and PM peak periods to evaluate existing operation versus the recommended improvements. This analysis will also include LOS analysis for the individual intersections within the corridor under study.

D. Qualitative Assessment

A field visit will be conducted during the morning and evening peak traffic period to make qualitative assessments of operation, particularly in terms of queue lengths, sight distance, delays, travel speeds, high crash segments, high crash spots, access, conflicts, or any other operational characteristics that should be considered in evaluating the need for safety or operational improvements.

E. Safety Analysis

The Consultant will obtain and review copies of traffic crash reports for the most recent complete five (5) calendar years from Signal Four Analytics (S4A). The analysis includes the preparation of crash summary sheets and identification of crash patterns.

F. Multimodal Analysis

Emphasis will be provided to ensure that the improved roadway system will accommodate many types of users—bicyclists, passenger cars, pedestrians, transit, and trucks to provide an appropriate balance between the various modes.

G. Preliminary Design Parameters

Based on prior tasks, recommendations for the following will be provided to the prime consultant to prepare improvement concepts for the corridor:

- Typical section
- Multimodal accommodation
- Intersection lane configuration
- Turn lane lengths
- Proposed access management classification for Shindler Road and median opening locations.

H. Documentation

A comprehensive operational and safety technical memorandum will be developed that analyzes the existing and future needs of Shindler Road. A Design Traffic Analysis Report (DTAR) summarizing technical memorandum findings will be provided as a deliverable to guide in designing the recommended improvements.

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

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

PART I - GENERAL

1. Project Shindler Road Phase 2 Shindler Road Phase 2 Design Traffic Analysis	**2. Proposal No. / Contract No.** TBD / TBD
3. Name of Consultant orSubconsultant: Chindalur Traffic Solutions, Inc.	**4. Date of Proposal** October 2, 2023

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principle Engineer	$ 86.65	86	$ 7,451.90	
Traffic Engineer/Project Manager	$ 67.55	344	$ 23,237.20	
Chief Designer	$ 60.00	12	$ 720.00	
Senior Designer	$ 50.00	76	$ 3,800.00	
Contract Coordinator	$ 27.00	40	$ 1,080.00	
			$ 0.00	
			$ 0.00	
TOTAL DIRECT LABOR	$ 65.03	558		$ 36,289.10
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	150 % x Total Direct Labor			$ 54,433.65
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 90,722.75**
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 9,072.28

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)		
Printing	$ 500.00	
Transportation & Shipping	$ 137.55	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ 637.55
10. SUBCONSULTANTS (Lump Sum)		
	$	
	$	
SUB-CONTRACT SUB-TOTAL (Reimb/NTE)		$ -
11. SUBCONTRACTS (Reimbursable/Not to Exceed)		
Data Collection	$ $ 11,770.00	
	$	
	$	
	$	
	$	
	$	
	$	
SUB-TOTAL REIMBURSABLES		$ 11,770.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, and 11)	**$ 112,202.58**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

EXHIBIT B

Shindler Road Phase 2 Design Traffic Analysis

	Task	Basis of Estimate	Number of Units	Hours per Unit	Number of Sheets	Total Hours	CADD Hours	Remarks
1	Transportation Model	Hours	1	44		44		
2	Traffic Projections and Operational Analysis	Hours	1	144		144		
3	Field Review/Qualitative Assessment	Hours	1	32		32		
4	Safety Analysis	Hours	1	62		62		
5	Multimodal Analysis	Hours	1	18		18		
6	Preliminary Design Parameters	Hours	1	22		22		
7	Operational and Safety Technical Memorandum - DRAFT	Hours	1	48		48		
8	Operational and Safety Technical Memorandum - FINAL	Hours	1	20		20		
9	Design Traffic Analysis Report - DRAFT	Hours	1	42		42		
10	Design Traffic Analysis Report - FINAL	Hours	1	20		20		
11	Quality Control	Hours	1	56		56		
12	Coordination	Hours	1	32		32		
13	Progress Meetings	Hours	1	18		18		
	Total					**558**		

	15%	62%	2%	14%	7%	100%
Activity Man-Hours	Principle Engineer QA/QC	Traffic Engineer/ Project Manager	Chief Designer	Senior Designer	Contract Coordinator	Total Man Hours
Hour Distribution	86	344	12	76	40	558

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EXHIBIT B

PEGGY MALONE & ASSOCIATES
TRAFFIC DATA COLLECTION
DBE Certified in: FL, GA, VA & MD

PRICE QUOTE

Quote # : Q23-263 Final
Date: October 2, 2023
Expiration Date: April 2, 2024
Client: Chindalur Traffic Solutions, Inc.
Contact: Rajesh Chindular
E-mail: chindalur@ctrafficsolutions.com
State: FL

Client Phone # 904.619.3368
Job Description:

Shindler Dr - Phase 2

P-03-23 COJ Shindler Drive Phase 2

Type of count	Unit Price	# Units	Total
4 Hour Turning Movement Count	$510.00	14	$7,140.00
(Weekday 7-9AM & 4-6PM, separate cars/trucks/peds/bikes)			
4 Hour Turning Movement Count - Multi Unit	$700.00	4	$2,800.00
(Weekday 7-9AM & 4-6PM, separate cars/trucks/peds/bikes)			
24 Hour Class Hose Count (Per Lane)	$305.00	6	$1,830.00
Sites:			
map provided by client			

Note: Additional fees may apply if permits are needed.

GRAND TOTAL **$11,770.00**

Sophia Williams

Sophia Williams, President

10/2/2023

Date

Important Notice: Pricing valid for quantities shown until expiration date.

14286 Beach Blvd. Ste 19-345; Jacksonville FL 32250; Phone: 904-992-8072; Fax: 904-223-0021

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EXHIBIT B

Scope of work and fee proposal for the complete replacement of the Bridge including a preliminary engineering report instead of a BDR.

Structural General Tasks

Meetings with City staff such as progress/phase review meetings, local governments, public involvement, etc.

Roadway Coordination: Coordinate geometry, typical sections, TCP, drainage, signing, lighting, signalization, construction schedule, submittal requirement, etc.

Utility Coordination: Coordinate utility conflicts and relocations, bridge mounted utilities, including meetings with utility owners.

Coordination with District Bridge Maintenance, bearings, expansion joints, inspectability.

Permit Coordination: Provide sketches and information for permitting with USACE, USCG, local WMDs.

Geotechnical Coordination: Coordination with geotechnical engineer, including boring plan, foundation loads and installation table, wall external stability requirements, pier stability requirements

Bridge Hydraulics Coordination: Coordination with hydraulics engineer, including bridge opening and geometry, stabilization of waterway slopes, deck drainage, scour and stream velocity.

Provide input to the creation of the Specification package and review of final package

Identify existing structures in need of settlement, vibration and/or groundwater monitoring by the contractor during construction and to coordinate with and assist the EOR and Geotechnical Engineer to develop mitigation strategies.

Preliminary Engineering Report

Horizontal and vertical alignment, vertical and horizontal clearances, alignment skews, baseline intersections.

Analysis of flat slab (CIP) concrete, precast slab unit bridges, double tee.

Defining geometric configuration of piers, preliminary design and determination of foundation loads (top of footing up).

Coordination with Traffic Control Plan and development of staged construction / demolition requirements.

Evaluation of construction equipment, materials delivery, site access, construction methodology.

Establish unit prices, develop quantities and cost estimates.

Plan & Elevation, Typical Bridge Section, TCP staging, special details, Superstructure and Substructure Sections for each Alternatives.

Writing and editing report.

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EXHIBIT B

Bridge Design

Determination of final bridge geometry including calculation of vertical and horizontal clearances based on final member sizes and locations, and final project geometry.

Determination of structure and expansion joint movements and expansion joint type.

Develop index of sheets, general notes, bid item notes, surface finish details, etc.

Incorporate Report of Core Borings into project plans. Label & incorporate existing bridge plans. Assemble bridge quantities into Plan Summary Boxes, summarize totals and finalize forms. Prepare initial cost estimate, updating as necessary.

Develop of general plan and elevation sheet

Develop of the phased construction details to match the roadway traffic control plans.

End bent geometry, including bearing elevations, pile layout cut-offs, and bearing pad locations.

Design of bent cap and reinforcement including bar bending details, quantities, and development of pile/cap interface.

Develop of End Bent Plan and Elevation, Bent cap sections, pile/cap connection details, wingwall details.

Bent geometry, including bearing elevations, pile layout cut-offs, and bearing pad locations.

Design of bent and cap including bar bending details, quantities, development of pile/cap interface, and stability analysis for normal loadings.

Develop of Bent Plan and Elevation, Bent cap sections, pile/cap connection details.

Develop foundation layout and notes. Installation table information from geotechnical input.

Develop of top of deck and approach slab finish grade elevations.

Provide cross-sections, schematic plan, FGE table.

Design of each unique prestressed slab unit and reinforcement including bar bending details, slab camber/deflection diagram, post-tensioning, quantities and barrier interface.

Plan view showing arrangement of prestress slab units and spacing for transverse post-tensioning (PT).

Develop details of prestressed slab units showing prestressing information, reinforcement, and post-tensioning blockout details.

Develop details of deck topping and reinforcement.

Cross-sections, including keyway and diaphragm details, sidewalk details, topping and barrier details, slab deflection details, etc.

Develop rebar table.

Develop LRFR load rating for superstructure.

Provide input for the Specifications Package.

Note: Scope and fee assume a full bridge replacement. Should the City decide on a different option prior to bridge design, a scope and fee adjustment will be negotiated at that time.

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EXHIBIT B

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

PART I - GENERAL

1. Project	**2. Proposal No. / Contract No.** Shindler Road
3. Name of Consultant orSubconsultant: Morales Consulting Engineers, Inc.	**4. Date of Proposal** August 3, 2023

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$ 54.55	78	$ 4,254.90	4254.9
Design Engineer	$ 60.00	634	$ 38,040.00	38040
Senior Engineering Tech	$ 29.09	64	$ 1,861.76	1861.76
Technician/Cadd				
Clerical				
TOTAL DIRECT LABOR	$ 56.90	776		$ 44,156.66
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	150 % x Total Direct Labor			$ 66,234.99
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 110,391.65**
8. PROFIT: Labor Related Costs (Ite		x	**10%**	$ 11,039.17

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)		
Printing	$ 0.00	
Transportation & Shipping	$ 0.00	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
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)	**$ 121,431.00**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

EXHIBIT B

ESTIMATE OF WORK EFFORT AND COST

Name of Project: Shindler Drive
County: DUVAL
Proj No.

Morales Consulting Engineers
30712
8/3/2023
Ed Morales

Staff Classification	Total Staff Hours From "SH Summary -	Project Manager	Project Engineer	CADD		SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$150.00	$165.00	$80.00				
3. Project General and Project Common Tasks	40	4	32	4		40	$6,200	$155.00
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	187	19	150	19		188	$29,120	$154.89
10. Structures - Preliminary Design	138	14	124	0		138	$22,560	$163.48
12. Structures - Short Span Concrete Bridge	410	41	328	41		410	$63,550	$155.00
18. Structures - Inspection and repair recommendation	0	0	0	0		0	$0	#DIV/0!
Total Staff Hours	775	78	634	64		776		
Total Staff Cost		$11,700.00	$104,610.00	$5,120.00			**$121,430.00**	**$156.48**

Check = $121,430.00

SALARY RELATED COSTS: $121,430.00

GRAND TOTAL ESTIMATED FEE: $121,430.00

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Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

EXHIBIT B

Project Activity 3: General Tasks

Estimator:

Shindler Drive

Representing	Print Name	Signature / Date
COJ		
Morales Consulting Engineers	Ed Morales	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.3	Specifications Package Preparation	LS	1	8	8	
3.6	Prime Consultant Project Manager Meetings	LS	1	24	24	See listing below
3.9	Digital Delivery	LS	1	8	8	
	3. Project Common and Project General Tasks Total				40	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Structures	EA	6	4	24	
Total Project Manager Meetings		6		24	

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EXHIBIT B

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator:

Shindler Drive

Representing	Print Name	Signature / Date
COJ		
Morales Consulting Engineers	Ed Morales	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
	General Drawings						
9.1	Key Sheet and Index of Drawings	Sheet	1	4	1	4	
9.3	General Notes and Bid Item Notes	Sheet	1	16	1	16	
9.5	Incorporate Report of Core Borings	Sheet	1	1	1	1	
9.6	Existing Bridge Plans	LS	1	4		4	
9.7	Assemble Plan Summary Boxes and Quantities	LS	1	16		16	
9.8	Cost Estimate	LS	1	8		8	
	Structures - Summary and Miscellaneous Tasks and Drawings Subtotal				3	49	

Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 18
10-16	Bridge 1	548	138	0	410	0	
18	Miscellaneous Structures	0					0
	Structures Technical Subtotal	548	138	0	410	0	0

Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments
9.10	Field Reviews	LS	1	4	4	
9.11	Technical Meetings	LS	1	16	16	Meetings are listed below
9.12	Quality Assurance/Quality Control	LS	%	10%	60	
9.14	Supervision	LS	%	7%	42	
	Structures Nontechnical Subtotal				122	
9.15	Coordination	LS	1	16	16	
	9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total				187	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	1	4	4		0
90/100% Comment Review	EA	1	4	4		0
Local Governments (cities, counties)	EA	1	4	4		0
Utility Companies	EA	1	4	4		0
Subtotal Technical Meetings				16		0
Progress Meetings	EA	0	0	0		--
Total Meetings				16		0

Carries to Tab 11 Carries to Tab 3

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

EXHIBIT B

Project Activity 10: BDR

Estimator:

Bridge Identifier (Number or Name):

Shindler Drive

Representing	Print Name	Signature / Date
COJ		
Morales Consulting Engineers	Ed Morales	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	General Requirement						
10.1	Bridge Geometry	LS	1	8		8	1 8
	Superstructure Alternatives						
10.4	Short Span Concrete Bridge	EA ALT	2	8		16	2 8
	Foundation & Substructure Alternatives						
10.8	Pier/Bent	EA Type	1	6		6	1 6
10.25	TCP/Staged Construction Requirements	LS	1	16		16	1 16
10.26	Constructibility Requirements	LS	1	8		8	1 8
10.28	Quantity and Cost Estimates	EA ALT	1	8		8	1 8
	Report Preparation						
10.31	Exhibits	EA SHEET	4	12		48	4 12
10.33	Report Preparation	LS	1	20		20	1 20
10.35	Preliminary Eng Report Submittal Package	LS	1	4		4	1 4
	10. Structures - Bridge Development Report Total					138	

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EXHIBIT B

Project Activity 12: Structures - Short Span Concrete

Estimator:
Bridge Identifier (Number or Name):

Shindler Drive

Representing	Print Name	Signature / Date
COJ		
Morales Consulting Engineers	Ed Morales	

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	General Layout Design and Plans						
12.1	Overall Bridge Final Geometry	LS	1	4		4	
12.2	Expansion/Contraction Analysis	EA Unit	1	2		2	
12.3	General Plan and Elevation	Sheet	1	36	1	36	
12.4	Construction Staging	Sheet	0	0	0	0	
12.5	Approach Slab Plan and Details	Sheet	1	8	1	8	
12.6	Miscellaneous Details	Sheet	1	24	1	24	
	End Bent Design and Plans						
12.7	End Bent Geometry	EA End Bent	1	16		16	
12.8	End Bent Structural Design	EA Design	1	24		24	
12.9	End Bent Plan and Elevation	Sheet	1	16	1	16	
12.10	End Bent Details	Sheet	1	12	1	12	
	Intermediate Bent Design and Plans						
12.11	Bent Geometry	EA Bent	1	12		12	
12.12	Bent Stability Analysis	EA Analysis	1	12		12	
12.13	Bent Structural Design	EA Design	1	16		16	
12.14	Bent Plan and Elevation	Sheet	2	12	2	24	
12.15	Bent Details	Sheet	2	8	2	16	
	Miscellaneous Substructure Design and Plans						
12.16	Foundation Layout	Sheet	1	24	1	24	
	Miscellaneous Superstructure Design and Plans						
12.17	Finish Grade Elevation Calculation	LS	1	16		16	
12.18	Finish Grade Elevations	Sheet	1	24	1	24	
	Prestressed Slab Unit Bridges						
12.22	Prestressed Slab Unit Design	EA Design	1	16		16	
12.23	Prestressed Slab Unit Layout	Sheet	1	24	1	24	
12.24	Prestressed Slab Unit Details and Schedule	Sheet	1	24	1	24	
12.25	Deck Topping Reinforcing Layout	Sheet	1	12	1	12	
12.26	Superstructure Sections and Details	Sheet	1	20	1	20	
	Reinforcing Bar List						
12.27	Preparation of Reinforcing Bar List	Sheet	1	8	1	8	
	Load Rating						
12.28	Load Ratings	EA Unit	1	20		20	
	12. Structures - Short Span Concrete Bridge Total				16	410	

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EXHIBIT B

Project Activity 18: Miscellaneous Structures

Estimator:

Shindler Drive

Representing	Print Name	Signature / Date
COJ		
Morales Consulting Engineers	Ed Morales	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Bridge Inspection						
18.28	Review of existing Reports	LS	1	0		0	
18.29	Field Inspection	LS	1	0		0	
18.30	Development of Recommended repairs	LS	1	0		0	
				18. Structures - Miscellaneous Total	0	0	

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EXHIBIT B

Meskel & Associates Engineering
Geotechnical • Environmental • Inspection • Testing

GEOTECHNICAL SCOPE

COJ P-03-23 – Engineering Design Services For Shindler Drive – Phase 2

The objective of the geotechnical exploration is to provide site and subsurface information to evaluate the subsurface conditions for the proposed construction. Based on the provided information, the following table summarizes the requested scope of services.

Test Location	Test No. & Type	Test Depth ft below existing ground
Shindler Drive Widening (16,000 LF) Typical Section 1 or 2	256 Auger Borings [1]	6
	68 Standard Penetration Test (SPT) Borings [1]	20
	12 Pavement Cores [2]	2
	6 Bulk Samples (LBR/Corrosion Series Testing)	Upper 5 feet
Bridge (No. 724318) crossing Mile Branch Creek & Sheet Pile Walls	3 SPT Borings [3]	125
	8 SPT Borings [4]	40
	1 Bulk Sample (Scour Analysis)	Creek bed
	3 Bulk Samples (Corrosion Series Testing)	Upper 5 feet
Pipe Culvert Extensions (East side of Shindler Drive only)	7 SPT Borings [5]	20
	7 Bulk Sample (Corrosion Series Testing)	Upper 5 feet

1. Auger borings and SPT borings for Shindler Drive widening on both sides of the roadway will be performed every 100 LF and 500 LF, respectively, to aid in design of the roadway widening, per the FDOT Soils & Foundations Handbook.
2. Pavement cores will be performed every 1,500 LF per lane to aid in pavement design of the widening.
3. SPT Borings for the bridge replacement will be performed at each bridge abutment near the end bents and at the intermediate bent through the bridge deck. The number of borings and boring depths are in accordance with the FDOT Soils & Foundations Handbook.
4. SPT Borings for the sheet pile walls will be performed on each side of each bridge. Walls are expected to wrap around each bridge approach. The number of borings and boring depths are in accordance with the FDOT Soils & Foundations Handbook.
5. SPT Borings for the pipe culvert extensions are based on the locations shown in the scope documents.
6. Limerock Bearing Ratio (LBR) and Corrosion Series Testing will be performed on bulk samples collected along the roadway widening.
7. Muck Probing to be performed near the marsh/wetland areas and at pipe culvert extensions.

The locations appear to be easily accessible with our truck-mounted drilling equipment with Maintenance-of-Traffic at the pavement core and structure boring locations. We will locate the borings using our hand-held GPS equipment, accurate to within 3 meters (+/- 10 feet), as requested. The borings will be performed in general accordance with ASTM D 1586. Once the SPT borings are completed, they will be backfilled with grout per St. Johns River Water Management District guidelines. Once the auger borings are completed, they will be backfilled with native soil cuttings. Once the pavement cores are complete, they will be backfilled with asphalt cold patch. We will take all reasonable precautions to prevent damage to property and will reasonably restore the boring and pavement core locations to the condition existing prior to the start of our fieldwork.

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In accordance with Florida law, we will attempt to locate existing underground utilities at the site by utilizing the Sunshine State One-Call (SSOC) system. Any private utilities not included in the SSOC system will need to be located by the Owner. We will make every attempt to minimize the need for maintenance of traffic operations, with the exception of signs and cones, as required. It should be noted that the presence of overhead and below grade utilities may require that the boring be offset a minimal distance away from the actual structure location(s).

The recovered soil samples will be described in the field by the field crew. The field logs and samples will be delivered to our laboratory, where the logs will be reviewed, and the samples will be classified, by a geotechnical engineer in general accordance with ASTM D2488. The asphalt surface course samples from the pavement cores will also be returned to the laboratory to confirm the asphalt thickness.

Laboratory classification, soil index tests, consolidation, shear, and corrosion series testing will be performed in general accordance with ASTM and/or Florida Method (FM) procedures for each applicable test as necessary on selected soil samples to confirm the soil and/or environmental classification and provide engineering characteristics to estimate compressibility. The LBR tests will be performed in general accordance with the FM test method 5-515.

A geotechnical engineer, licensed in the State of Florida, will direct the geotechnical exploration and provide an engineering evaluation of the subsurface conditions encountered at the boring locations. The results of the exploration and engineering evaluation will be documented in a report that will include the following:

- Our understanding of the planned construction and general description of the project;
- A boring location plan detailing the location of each boring and type of equipment used;
- Field exploration procedures and soil sampling methods used;
- Graphical representation in profile view of our boring logs and stratification which will detail the number of borings performed, description and thickness of each soil layer, any fluid loss(es) during drilling, and SPT-N values at each sample interval;
- The laboratory test procedures performed, and the results obtained;
- Results of the muck probing near the west approach embankment;
- Results of the corrosion series testing and limerock bearing ratio testing;
- Results of the grain size analysis on the creek bed soils to assist with the hydraulic analysis (D50);
- Design LBR using the Mean & 90% Methods;
- A Roadway Soil Survey Sheet;
- Recommendations for engineering design parameters associated with the culvert design;
- Recommendations for deep foundations to support the bridge including axial pile capacities, soil parameters for lateral soil-pile response analysis, and construction considerations; and
- Signed and sealed core boring sheets for the project plans.

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EXHIBIT B

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project P-03-23 Engineering Design Services For Shindler Drive – Phase 2	**2. Contract No.** P-03-23
3. Name of Consultant Meskel & Associates Engineering, PLLC	**4. Date of Proposal** August 2, 2023

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal, P.E.	$ 74.205	32	$ 2,374.56	
Project Manager, P.E.	$ 70.190	128	$ 8,984.32	
Senior Engineer, P.E.	$ 72.355	64	$ 4,630.72	
Staff Engineer, E.I.	$ 32.200	224	$ 7,212.80	
CADD Technician/Drafter	$ 30.000	64	$ 1,920.00	
Senior Engineering Technician	$ 42.500	64	$ 2,720.00	
Field Inspector	$ 34.500	32	$ 1,104.00	
Clerical	$ 25.850	32	$ 827.20	
TOTAL DIRECT LABOR	$46.52	640		$ 29,773.60
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	200 % x Total Direct Labor			$ 59,547.20
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 89,320.80
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 8,932.08

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Field Exploration - Bridge at Edgey Branch				
Mobilization of Crew & Eq. -Truck Mounted Rig	1	$650.00	$ 650.00	
Mobilization of Crew & Eq. -ATV/Track Mounted Rig	1	$1,200.00	$ 1,200.00	
Movement of Crew & Eq. Between Boreholes	30	$185.00	$ 5,550.00	
SPT Boring : 0 to 30 feet, per LF	1805	$15.00	$ 27,075.00	
SPT Boring : 30 to 50 feet, per LF	140	$17.50	$ 2,450.00	
SPT Boring : 50 to 100 feet, per LF	150	$21.00	$ 3,150.00	
SPT Boring : 100 to 150 feet, per LF	100	$28.00	$ 2,800.00	
Wash Borings : 0 to 50 feet, per LF	25	$12.00	$ 300.00	
Grouting of Borings, per LF	2220	$8.00	$ 17,760.00	
Undisturbed Samples of Soft Soils : 0 to 50 feet, each	8	$175.00	$ 1,400.00	
Auger Borings, per LF	1536	$13.00	$ 19,968.00	
Addl Split-Spoon Samples, 0 to 50 feet, each	294	$45.00	$ 13,230.00	
Addl Split-Spoon Samples, 50 to 100 feet, each	30	$50.00	$ 1,500.00	
Addl Split-Spoon Samples, 100 to 150 feet, each	19	$55.00	$ 1,045.00	
Setting 4-inch Casing, per LF	0	$12.00	$ 0.00	
Pavement Core with Asphalt Patch	12	$90.00	$ 1,080.00	
Difficult Drilling and Sampling/Muck Probes, per Hour	30	$225.00	$ 6,750.00	
GPR Services – Utility Locates, Day	2	$1,300.00	$ 2,600.00	
MOT Services – Lane Closure/Flagging Operation, Day	13	$2,500.00	$ 32,500.00	
Laboratory Testing				
Natural Moisture Content, ea.	140	$18.00	$ 2,520.00	
Sieve Analysis, ea.	33	$60.00	$ 1,980.00	
Soil Gradation, ea	53	$90.00	$ 4,770.00	
Organic Content, ea	27	$50.00	$ 1,350.00	
Atterberg Limits, ea	27	$100.00	$ 2,700.00	
Corrosion Series, ea	16	$250.00	$ 4,000.00	
Triaxial Shear (UU), ea	4	$250.00	$ 1,000.00	
Consolidation, ea	2	$600.00	$ 1,200.00	
Limerock Bearing Ratio, ea	6	$350.00	$ 2,100.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 162,628.00
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 260,880.88
11. REIMBURSABLE COSTS (Limiting Amount)			0.00	
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	$ **260,880.88**

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EXHIBIT B

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

June 19, 2023

Antoinette Meskel, President
MESKEL & ASSOCIATES ENGINEERING, PLLC
3728 Philips Highway, Suite 208
Jacksonville, Florida 32207

Dear Ms. Meskel:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 9 - Soil Exploration, Material Testing and Foundations

- 9.1 - Soil Exploration
- 9.2 - Geotechnical Classification Laboratory Testing
- 9.3 - Highway Materials Testing
- 9.4.1 - Standard Foundation Studies
- 9.5 - Geotechnical Specialty Laboratory Testing

Group 10 - Construction Engineering Inspection

- 10.1 - Roadway Construction Engineering Inspection
- 10.3 - Construction Materials Inspection

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2024, for contracting purposes.

Approved Rates

Home/ Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense	Published Fee Schedule
231.00%	142.37%	1.247%	Reimbursed	No	8.20%	0.00%*	Yes

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell

Carliayn Kell
Professional Services
Qualification Administrator

EXHIBIT B

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: P-03-23 Engineering Design Services For Shindler Drive – Phase 2
County: Duval
FPN: P-03-23
FAP No.: N/A

Consultant Name: Meskel & Associates Engineering
Consultant No.: 0019-0039
Date: 8/2/2023
Estimator: B. Harbison

Staff Classification	Total Staff Hours From "SH Summary Form"	Principal, P.E.	Project Manager,	Senior Engineer,	Staff Engineer, E.I.	CADD Technician/D	Senior Engineering	Field Inspector	Clerical	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$74.21	$70.19	$72.38	$32.20	$30.00	$42.50	$34.50	$25.85	$0.00	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits,and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	640	32	128	64	224	64	64	32	32	0	0	0	0	640	$29,774	$46.52
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	640	32	128	64	224	64	64	32	32	0	0	0	0	640		
Total Staff Cost		$2,374.56	$8,984.32	$4,630.72	$7,212.80	$1,920.00	$2,720.00	$1,104.00	$827.20	$0.00	$0.00	$0.00	$0.00		$29,773.60	$46.52

Check = $29,773.60

SALARY RELATED COSTS:					$29,773.60
OVERHEAD:		200%			$59,547.20
OPERATING MARGIN:		10%			$8,932.08
FCCM (Facilities Capital Cost Money):		0.00%			$0.00
EXPENSES:		0.00%			$0.00
SUBTOTAL ESTIMATED FEE:					$98,252.88
Survey (Field)	0	4-person crew	$ -	/ day	$0.00
Geotechnical Field and Lab Testing					$162,628.00
SUBTOTAL ESTIMATED FEE:					$260,880.88
Optional Services					$0.00
GRAND TOTAL ESTIMATED FEE:					$260,880.88

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

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35. Geotechnical

Estimator:

P-03-23 Engineering Design Services For Shindler Drive – Phase 2

P-03-23

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Roadway					
35.1	Document Collection and Review	LS	1	4	4	Shindler Drive: 16,000 LF Widening both sides 1 auger borings per 100 LF each side of the road, 1 pavement core per 1500 LF
35.2	Develop Detailed Boring Location Plan	LS	1	8	8	1 SPT boring per 500 LF each side of the road, 1 bulk sample for LBR and Corrosions every 1500 LF
35.3	Stake Borings/Utility Clearance	Boring	342	0.1	34	TOTAL: 256 Auger Borings at 6 LF each = 1,536 LF Auger; 68 SPT Borings at 20 LF each = 1,360 LF SPT;
35.4	Muck Probing	Crew Day	1	10	10	12 Pavement Cores (1 core every 1500 LF each lane); 6 Bulk samples (LBR & Corrosions) 2,896 LF Drilling (342 Borings/Cores/Samples)
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	1	4	4	
35.6	Drilling Access Permits	Location	1	4	4	
35.7	Property Clearances	EA	0	0	0	N/A Within COJ ROW. Unless requested.
35.8	Groundwater Monitoring	EA	0	0	0	N/A
35.9	LBR/Resilient Modulus Sampling	EA	6	1	6	
35.10	Coordination of Field Work	100 lf of boring	28.96	1.5	43	
35.11	Soil and Rock Classification - Roadway	100 lf of boring	28.96	1	29	
35.12	Design LBR	LS	1	4	4	
35.13	Laboratory Data	100 lf of boring	28.96	1	29	
35.14	Seasonal High Water Table	Boring	324	0.025	8	
35.15	Parameters for Water Retention Areas	EA	0	0	0	N/A
35.16	Delineate Limits of Unsuitable Material	Cross-section	5	1	5	
35.17	Electronic Files for Cross-Sections	100 lf of boring	28.96	1	29	
35.18	Embankment Settlement and Stability	Embankment Boring	0	0	0	N/A
35.19	Monitor Existing Structures	LS	1	0	0	N/A

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35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	N/A
35.21	Geotechnical Recommendations	LS	1	16	16	
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	1	16	16	
35.23	Preliminary Roadway Report	LS	1	24	24	
35.24	Final Report	EA	1	17	17	
35.25	Auger Boring Drafting	100 lf boring	15.36	3	46	
35.26	SPT Boring Drafting	100 lf boring	13.6	4	54	
				Roadway Geotechnical Subtotal	390	
	Structures					
35.27	Develop Detailed Boring Location Plan	LS	1	2	2	Bridge at Mile Branch: 3 SPT Borings to 125 feet each; Pipe Ext.: 7 SPT Borings to 20 feet each Sheet Pile Walls: 8 SPT Borings to 40 feet each (8 per bridge)
35.28	Stake Borings/Utility Clearance	Boring	18	0.5	9	TOTAL: 18 SPT Borings 835 LF SPT
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	0	0	0	N/A Included in MOT Plans for Roadway Effort
35.30	Drilling Access Permits	Location	0	0	0	N/A Included in Access Permit for Roadway Effort
35.31	Property Clearances	EA	0	0	0	N/A
35.32	Collection of Corrosion Samples	EA	16	0.5	8	Bulk samples (1 per 1500 LF of roadway, 1 per sheet pile walls at each abutment, and 2 per bridge) = 40 TOTAL
35.33	Coordination of Field Work	100 lf of boring	8.35	1.5	13	
35.34	Soil and Rock Classification - Structures	100 lf of boring	8.35	1	8	
35.35	Tabulation of Laboratory Data	100 lf of boring	8.35	1	8	
35.36	Estimate Design Groundwater Level for Structures	EA	4	1	4	
35.37	Selection of Foundation Alternatives (BDR)	Bridge boring	1	4	4	
35.38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	2	4	8	
35.39	Bridge Construction and Testing Recommendations	Bridge boring	3	3	9	
35.40	Lateral Load Analysis (Optional)	Bridge boring	3	2	6	
35.41	Walls	Wall Boring	0	0	0	
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	8	2	16	Sheet Pile Walls on both sides of each bridge.
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	0	0	0	N/A

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35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.44	Box Culvert Analysis	EA	7	2	14	Culvert Extensions
35.45	Preliminary Report - BDR	EA	0	0	0	N/A
35.46	Final Report - Bridge and Associated Walls	EA	1	20	20	
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	1	16	16	N/A
35.48	SPT Boring Drafting	100 lf of boring	8.35	4	33	
35.49	Other Geotechnical	LS	1	0	0	
				Structural Geotechnical Subtotal	**178**	
				Geotechnical Technical Subtotal	**568**	
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	
35.51	Field Reviews	LS	1	14	14	
35.52	Technical Meetings	LS	1	5	5	Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	3%	17	
35.54	Supervision	LS	%	3%	17	
				Geotechnical Nontechnical Subtotal	**53**	
35.55	Coordination	LS	%	3%	19	
				35. Geotechnical Total	**640**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	0	0	0			0
Boring Layout Approval	EA	0	0	0			0
Attend in BDR Review Meeting	EA	0	0	0			0
30/60/90% Submittal Review	EA	0	0	0			0
Other Meetings	EA	5	1	5			0
Subtotal Technical Meetings				**5**		**Subtotal Project Manager Meetings**	0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		- -
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		- -
Total Meetings				**5**		**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 35.52

Carries to Tab 3

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the NDN COMPANIES

October 2, 2023

Mr. Ron Hoogland, P.E.
12574 Flagler Center Blvd.
Suite 202
Jacksonville, FL 32258

RE: Cost Estimate for Environmental Services
Shindler Drive
Jacksonville, Duval County, Florida

Dear Mr. Hoogland:

The NDN Companies (NDN) is pleased to submit a cost proposal to perform a limited contamination assessment, wetland and protected species survey, and a potential Phase I archeological survey along Shindler Drive between 103rd Street and Collins Road, Jacksonville, Duval County, Florida; hereafter referred to as the site. A summary of the proposed scope of work is provided as follows.

SCOPE OF WORK

Based on a desktop survey of the site, there appears to be two gas stations (potential source of contamination (PSOC)) along the right of way within the project area. NDN has prepared the following proposed scope of work:

- advance up to six soil borings at each PSOC;
- visually inspect the soil from land surface to the groundwater table for evidence of impacts;
- screen the soils with an organic vapor analyzer equipped with a photo ionization detector (OVA-PID);
- collect up to four soil samples for laboratory analysis;
- install up to two temporary wells;
- collect groundwater samples from the temporary wells for laboratory analysis; and
- prepare a letter report summarizing the results of the investigation.

Task 1: Contamination Assessment

Soil Boring Advancement and Soil Screening

NDN will advance up to six soil borings at each of the two PSOC identified during the desktop survey. The soil borings will be advanced in the right of way, adjacent to the property boundaries. The soil borings will be advanced using a hand auger to a depth sufficient to reach the top of the groundwater table. Soil borings are not anticipated to exceed 10 feet below land surface (BLS). Soil samples will be collected at one-foot intervals from each boring from land surface to approximately 10 feet BLS or the water table interface, whichever is encountered first. Soil samples will be screened with a calibrated OVA-PID. The OVA-PID results will be used as a screening tool to indicate the presence of volatile organic vapors at each boring location. The samples will also be visually inspected for signs of contamination such as unusual staining or odors. Upon completion of the borings, the soil borings will be backfilled to ground level.

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Soil Laboratory Analyses

Based on the results of the soil screening activities and site observations, NDN will collect up to four soil samples (two samples per PSOC), for laboratory analysis. The soil samples will be submitted to a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory. The samples will be analyzed for the parameters listed in

- EPA Method 8270 for Polynuclear Aromatic Hydrocarbons (PAHs),
- EPA Method 8260B for Volatile Organic Compounds (VOCs),
- EPA Method 6010 for 8 RCRA Metals, and
- FL-PRO Method for Total Recoverable Petroleum Hydrocarbons (TRPHs).

Temporary Well Installation & Groundwater Sample Collection

Based on the results of the soil screening and visual analysis, NDN will install four temporary wells (two per PSOC) in the locations determined to be the most likely to show groundwater impacts. NDN will install the temporary monitor wells to a completion depth that sufficiently intersects the shallow water table to provide proper hydraulic communication to obtain a representative groundwater sample. Dedicated HDPE tubing and a peristaltic pump will be used to develop the monitor wells and obtain groundwater samples. The temporary wells will be developed to remove any sediment introduced during installation until groundwater shows little or no turbidity.

Groundwater Laboratory Analyses

Groundwater samples will be collected from temporary wells and submitted to a NELAP certified laboratory for analysis of the parameters listed in

- EPA Method 8270 for PAHs,
- EPA Method 8260 for VOAs,
- EPA Method 6010 for 8 RCRA Metals, and
- FL-PRO Method for TRPHs.

Report Preparation

A letter report will be prepared documenting the results of our investigation. The report will include a tabulated summary of all field and analytical data collected during the investigation, scaled figures indication the locations of the samples collected and illustrations of any known impacts, and recommendations for any additional sampling or required management of impacted soil or groundwater.

Task 2: Natural Resource Surveys

Listed Species Survey

A listed (threatened and endangered) species survey will consist of a data collection effort to document the occurrence or potential occurrence of federal and state listed species throughout the site as well as the quality of the habitat potentially utilized by protected species. NDN will prepare a report to include a description of the site, and natural resources present including listed species. Figures will be generated to illustrate the locations of resources found and will include a land use map, environmental features map and soil types map. All notable features with respect to listed species will be recorded with a GPS capable of submeter accuracy and photographed for reporting purposes.

This cost estimate has been prepared assuming two site visits. The first site visit will be to perform the initial survey and locate the potential presence of listed species. A second site visit will be performed at a time, deemed appropriate by GAI or the permitting agencies, during the construction planning or permitting process to confirm or update the status of listed species at the site.

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Wetland Delineation

A wetland delineation will be performed at the site to help inform GAI about the regulated areas on the proposed project area and in support of the permit application. The purpose of this work is to provide information regarding the presence and location of freshwater wetlands within the contiguous portion of the impact boundaries. NDN biologists will identify, and GPS (sub-meter accuracy) mark the landward extent of surface water/wetland boundaries for use in the development of a wetland locations map set.

The wetland delineation will be performed in accordance with the procedures listed within Chapter 62-340, of the Florida Administrative Code (F.A.C.) and within the 1987 Federal Manual for Identifying and Delineating Jurisdictional Wetlands and the Regional Supplement to the Corps of Engineers Manual: Atlantic and Gulf Coastal Plain Region.

Wetland Permitting

NDN will prepare an Application for Environmental Resource Permit and section 404 application. Map sets to be included in the applications are the site location map, proposed wetland impact mapbook, land use map, and NRCS soils map. Pricing will allow for one round of comments/request for additional information (RAI) from FDEP and USACE and the subsequent response. In preparation of the application submittal, NDN will coordinate and attend (1) one on-site pre-application meeting with both the FDEP and USACE.

UMAM Assessment

If necessary, NDN will prepare both Qualitative and Quantitative UMAM forms for all proposed wetland impact areas in accordance with 62-345.400, F.A.C. Wetland features will be evaluated for functional indicators to include location and landscape support, water environment, and community structure.

Report Preparation

NDN will prepare and submit an NRE Report in accordance with FDOT guidance. The NRE Report will include a description of the project area and the proposed project, survey methodology, detailed discussions of each of the natural resources present within the project area, anticipated impact determinations to each natural resource identified, implementation measures and design considerations to minimize or avoid impacts, discussion of anticipated permits, figures, and a photographic log.

Task 3: Phase I Archeological Survey

NDN will conduct a Phase I Cultural Resource Assessment Survey (CRAS) Shindler Drive between 103rd Street and Collins Road, Jacksonville, Duval County, Florida for the City of Jacksonville. NDN will conduct all work in accordance with Section 106 of the National Historic Preservation Act of 1966 (Public Law 89-655, as amended), as implemented by 36 CFR 800 (Protection of Historic Properties, effective August 2004), as well as Chapters 267 and 373, Florida Statutes (FS), Chapter 1A-46, Florida Administrative Code, and Florida's Coastal Management Program. All work will be performed in accordance with the standards and guidelines contained in the Cultural Resource Management Standards and Operational Manual: Module 3 (FDHR 2003). The Principal Investigators and Crew Chief all meet the Secretary of the Interior's Professional Qualification Standards (48 FR 44716) for archaeology, history, architecture, architectural history, or historic architecture.

Work to be performed as part of the Phase I CRAS and undertaking include the following:

- CRAS of the project area of potential effects (APE), once determined, includes background research, field survey (archaeological survey, and historical structure documentation if necessary), and preparation of a technical report presenting the results of survey including National Register of Historic Places (NRHP) recommendations.
    - The purpose of the survey is to locate and identify any cultural resources within the APE and document historic structures (45 years old or older) also within the APE.

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NDN assumes the following:

- Extent of the APE will be determined prior to mobilization for survey;
- Excavation of up to 75 shovel test pits;
- Documentation of up to one historical structures;
- Identification of no archaeological sites and up to one (1) archaeological occurrence.

Any requirements or results from survey beyond these assumptions will be out of scope for this contract and require a change order.

ESTIMATED COST

The estimated costs to complete the work described herein are as follows:

Task 1: Contamination Assessment and Report
Task 2: Natural Resource Surveys and Report
Task 3: Phase I Archeological Survey and Report

The cost to conduct the scope of services described above is **$ 55,535.40**. The work will be conducted and billed as needed and will not exceed $55,535.40 without prior approval. Please note that the proposed methodologies may change based on field conditions. Should additional tasks be required beyond the scope presented herein, a revised cost estimate will be provided.

Additional meetings, consultation, or other services requested or required by you, or others (e.g. client representatives, attorneys, etc.) beyond the outlined scope of services will be invoiced on a "Lump Sum" basis, following your approval of the additional scope of services.

If this cost estimate, which incorporates the attached General Terms and Conditions by reference, meets with your approval, please sign and return the enclosed agreement or issue your purchase order accepting this proposal as your authorization to proceed. If you have any questions, please feel free to contact me at (904) 800-2671.

Sincerely,
The NDN Companies

Geoff Reichold, P.G.
Principal

Docusign Envelope ID: 1262753C-E7CA-43F6-889C-78997ED0BCF8

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

PART I - GENERAL

1. Project Shindler Road	2. Proposal No. / Contract No. Shindler Road
3. Name of Consultant orSubconsultant: The NDN Companies	4. Date of Proposal July 24, 2023

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
	$ 72.12	73	$ 5,264.76	5264.76
	$ 36.06	414	$ 14,928.84	14928.84
TOTAL DIRECT LABOR	$ 41.47	487		$ 20,193.60
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	150 % x Total Direct Labor			$ 30,290.40
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 50,484.00
8. PROFIT: Labor Related Costs (Ite	x	10%		$ 5,048.40

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)		
Printing	$ 0.00	
Transportation & Shipping	$ 0.00	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
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)	$ 55,532.40
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

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ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Shindler Drive
County: DUVAL
FPN: 0
FAP No.: N/A

Consultant Name: The NDN Companies
Consultant No.: enter consultants proj. number
Date: 10/9/2023
Estimator: Geoff Reichold

Staff Classification	Total Staff Hours From "SH Summary Form"	Sr. Eng/Geo	Environmental Specialist	0	0	0	0	0	0	0	0	0	0	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$72.12	$35.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits, Compliance & Clearances	487	73	414	0	0	0	0	0	0	0	0	0	0	487	$20,194	$41.47
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
25. Landscape Architecture Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Architecture Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	487	73	414	0	0	0	0	0	0	0	0	0	0	487		
Total Staff Cost		$5,264.76	$14,928.84	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$20,193.60	$41.47

Check = $20,193.60

SALARY RELATED COSTS:				$20,193.60
OVERHEAD:	150.00%			$30,290.40
OPERATING MARGIN:	0%			$0.00
FCCM (Facilities Capital Cost Money):	0.000%			$0.00
EXPENSES:	0.00%			$0.00
SUBTOTAL ESTIMATED FEE:				**$50,484.00**
Survey (Field)	0	4-man crew da	$ - / day	$0.00
Geotechnical Field and Lab Testing				$0.00
SUBTOTAL ESTIMATED FEE:				**$50,484.00**
Optional Services				$0.00
GRAND TOTAL ESTIMATED FEE:				**$50,484.00**

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

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Project Activity 8. Environmental Permits

Estimator

Shindler Drive
0

Representing	Print Name	Signature / Date
FDOT District		
The NDN Companies		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Permits, Compliances and Clearances					
8.1	Preliminary Project Research	LS	1	0	0	
	Permits					
8.2	Field Work					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	100	100	
8.2.3	Species Surveys	LS	1	50	50	
8.2.4	Archeological Surveys	LS	1	60	60	
8.3	Agency Verification of Wetland Data	LS	1	0	0	
8.4	Complete And Submit All Required Permit Applications					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	60	60	
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	30	30	
8.5	Prepare Dredge and Fill Sketches (as needed)	LS	1	0	0	
8.6	Prepare USCG Permit Sketches	LS	1	0	0	
8.7	Prepare Water Management District Right-of-Way Occupancy Permit	LS	1	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	
8.9	Prepare Tree Permit Information	LS	1	0	0	
8.10	Mitigation Design	LS	1	0	0	
8.11	Mitigation Coordination and Meetings	LS	1	0	0	
8.12	Other Environmental Permits	LS	1	0	0	
	Environmental Clearances/Reevaluations					
8.13	Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.13.2	Archaeological and Historical Features	LS	1	0	0	
8.13.3	Wetland Impact Analysis	LS	1	0	0	
8.13.4	Essential Fish Habitat	LS	1	0	0	
8.13.5	Wildlife and Habitat Impact Analysis	LS	1	0	0	
8.13.6	Section 7 or Section 10 Consultation	LS	1	0	0	
8.14	Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)					
8.14.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.14.2	Archaeological and Historical Features	LS	1	0	0	
8.14.3	Wetland Impact Analysis	LS	1	0	0	
8.14.4	Essential Fish Habitat	LS	1	0	0	
8.14.5	Wildlife and Habitat Impact Analysis	LS	1	0	0	
8.14.6	Section 7 or Section 10 Consultation	LS	1	0	0	
8.15	Contamination Impact Analyses	LS	1	100	100	Phase I Contamination screening
8.16	Asbestos Survey	LS	1	0	0	
	Environmental Permits, Compliance, and Clearances/Reevaluations Technical Subtotal				400	
8.17	Technical Meetings	LS	1	24	24	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	5%	20	
8.19	Supervision	LS	%	5%	20	
	Environmental Permits, Compliance and Clearances Nontechnical Subtotal				64	
8.20	Coordination	LS	%	5%	23	
	8. Environmental Permits, Compliance and Clearances Total				487	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number
WMD	EA	0	0	0		0
NMFS	EA	0	0	0		0
USACE	EA	0	0	0		0
USCG	EA	0	0	0		0
USFWS	EA	0	0	0		0
FFWCC	EA	0	0	0		0
COJ	EA	2	3	6		0
SJRWMD	EA	2	3	6		0
Subtotal Technical Meetings				12	Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	2	3	6	*PM attendance at Progress Meetings is manually entered on General Task 3*	--
Phase Review Meetings	EA	2	3	6	*PM attendance at Phase Review Meetings is manually entered on General Task 3*	--
Total Meetings				24	Total Project Manager Meetings (carries to Tab 3)	0

Carries to 8.18

Carries to Tab 3

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ACUITY DESIGN GROUP

5800 Beach Blvd., Ste. 203-267
Jacksonville, FL 32207
www.ADGmark.com
904-619-8605

Public Involvement Scope of Services

ADG Scope for McCoys Creek	Total hours
Project Management/Meetings	
Internal meetings and coordination; participation in meetings with COJ staff as needed	16
Public Participation Plan	80
Public Meeting	88
Outreach	
Identify opportunities for team/ staff outreach and coordinate; staff as needed:	
2 Community Meetings	24
4 Government Relations Meetings/Agency Meetings	24
Misc. Meetings	10
Surveys - assist in developing survey questions and formatting presentation results for two rounds of surveys	20
Total Hours	240

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

PART I - GENERAL

1. Project	**2. Proposal No. / Contract No.** Shindler Road
3. Name of Consultant orSubconsultant: Acuity Design Group, Inc.	**4. Date of Proposal** August 16, 2023

PART II - LABOR RELATED COSTS

5. Direct Labor (Reimbursable	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Public Involvement Officer	$ 67.00	160	$ 10,720.00	10720
PIO Assistant	$ 38.00	80	$ 3,040.00	3040
TOTAL DIRECT LABOR	$ 57.33	240		$ 13,760.00
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	**150** % x Total Direct Labor			$ 20,640.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$ 34,400.00**
8. PROFIT: Labor Related Costs (Ite	x	**10%**		$ 3,440.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs (Lump Sum)		
Printing	$ 0.00	
Transportation & Shipping	$ 0.00	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
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)	**$ 37,840.00**
12. TOTAL PRIOR CONTRACT AMOUNT	N.A.
TOTAL AMENDED CONTRACT AMOUNT	N.A.

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EBO FORM 1
SCHEDULE OF SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

Name of Proposer: GAI Consultant, Inc

Project Title: Engineering Design Services for Shindler Drive-Phase 2

Proposal Number: P-03-23

Total Base Proposal Amount (if applicable): $2,626,403.85

***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
Four Waters	Woman	Drainage Design Assistance	$45,731.41
Chindalur Traffic Solutions	asian	Traffic Brief	$112,202.58
Morales	Hispanic	Structures	$121,430
Meskle	Woman	Geotechnical Investigation	$260,880.88
Smith Survey Group	Non-mbe	Survey Support	$50,050
Acuity	African American	Public Information	$37,840
Four Waters:	Woman	Utility Coordination	$94323.92

Attach additional list of subcontractors/sub-consultants as needed

CONSULTANT/SUBCONTRACTOR/SUPPLIER TOTAL VALUES	
African-American Participation Total	$
Hispanic-American Participation Total	
Native-American Participation Total	
Asian-American Participation Total	
Woman Participation Total	
Non-MBE Participation Total	$

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: Ronald F Hoogland

Title: Assistant VP Date: 10-18-23

Print Name: Ronald Hoogland