Docusign Envelope ID: 8B411056-E347-47D8-8B1C-0A32EE63DA3C

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: Professional Design Services for As-Needed Projects - A Philip Randolph Blvd.

Requested Action and Justification:

Recommend approval to amend the award with ETM, Inc. to implement Amendment #1 in the amount of $479,779.55 as detailed in Exhibits 1A and 1B. The total NTE is $479,779.55.

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

Supplier:	ETM Inc	**Basis of Award:**	Highest Evaluated	**BID Opening Date:**	08/22/2025

POA #:	71939-25	**PO #:**	N/A	**Change Order #:**	N/A
Solicitation #:	PDS 16069 25	**Contract #:**	71939-25	**Contract ADM #:**	1
Term:	Project Completion	**Options:**	N/A	**Options Used:**	N/A

Federally Funded:	No	**JSEB Rec:**	Encouragement
Licenses Verified:	Yes	**JSEB %:**	0
Bonds Required:	No	**Bonds Waived Pursuant To:**	N/A

Fund:	32124	**Center:**	153101	**Acct:**	565051	**Proj:**	010124	**Activity:**	0000000000	$	479,779.55
Fund:		**Center:**		**Acct:**		**Proj:**		**Activity:**		$	
Fund:		**Center:**		**Acct:**		**Proj:**		**Activity:**		$	

New NTE/GMP:	$ 479,779.55	**Contingent Amt:**	$ 0.00	**DMP/ODPO Amt:**	$ 0.00

Using Agency/BU:	PWEN:ENGINEERING AND CONSTRUCTION MANAGEMENT		
Concurrence:	Signed by: Scott Carter, PE 7D691F9ADFC947E...	**Title:**	CHIEF OF ENGINEERING CONSTRUCTION MANAGEMENT 7/14/2026
Concurrence:	Signed by: 1EFA223D5D23487...	**Title:**	DIRECTOR OF PUBLIC WORKS 7/15/2026
Concurrence:		**Title:**	
Concurrence:		**Title:**	

Initial DT
Initial DT

Procurement Analyst/Buyer:	Signed by: Kemp, Benjamin 4C8860FACE2449C...	**Chief of Procurement:**	Signed by: B10F1D517352456... 7/21/2026
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: 8B411056-E347-47D8-8B1C-0A32EE63DA3C

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: 8B411056-E347-47D8-8B1C-0A32EE63DA3C

Exhibit 1A

APPROVED
By Ben Koeppen at 1:12 pm, Jun 30, 2026

SCOPE OF SERVICES
FOR DESIGN AND PERMITTING

RFI 07-25
A. PHILIP RANDOLPH BOULEVARD EXTENSION

JACKSONVILLE, FLORIDA

June 30, 2026

I. SCOPE OF THE PROJECT

This project consists of professional services associated with the design and permitting of an extension of A. Philip Randolph Boulevard in Jacksonville, Florida. This roadway extension will provide access to Jacksonville's Museum of Science and History (MOSH) campus on the north bank of the St. Johns River.

The roadway project will include topographic surveying, geotechnical engineering, and the design of roadway, drainage, utility, traffic signalization, and lighting improvements. Permitting with the COJ, SJRWMD, USACE, and FDEP will be provided. The project will also include coordination with numerous project stakeholders including DIA, Public Works, Traffic Engineering, and the MOSH design team.

Task – Project General and Project Common Tasks

This task consists of project general / common tasks including Contract Maintenance and Specifications Package Preparation. Specific Tasks include:

<u>Specifications Package Preparation</u>

This task includes the time for assembling the Specifications Package. Specifications Preparation will begin at the 90% Design Phase.

<u>Contract Maintenance and EDMS</u>

Includes project management efforts for complete setup and maintenance of files, electronic folders and documents, developing technical monthly progress reports, schedule updates and compilation and submittal of project documentation.

<u>Prime Consultant Project Manager Meetings</u>

Includes only Project Manager staff hours for phase review, progress review, miscellaneous review meetings, and other design activities meetings, including any travel time. Meetings required for other staff for each Activity are included in the meetings section for that specific Activity as indicated in the Fee proposal.

<u>Post Design Services</u>

Services may include, but are not limited to, meetings, construction assistance, field reviews, plan revisions, shop drawing review, survey services, as-built drawings. Services will be provided as requested by the City.

Electronic/Digital Delivery

Includes submitting applicable documents and contract plans in digital format. Electronic Delivery to the City and Permitting agencies including electronic signing and sealing of final documents by each applicable Engineer of Record.

Task - Roadway Analysis

This task consists of the design of geometrics for the project using City of Jacksonville design standards. The design elements to be analyzed will include horizontal alignment, vertical alignment, lane configuration, lane widths, turn lane lengths, cross slopes, lane transitions, and features of intersections. Opinions of the probable project construction cost will be submitted at the 60%, 90% and Final design phases. Specific Tasks include:

Typical Section Package

All work required to develop and obtain approval of the typical section package according to the City. Also includes any modification received from reviews.

Horizontal /Vertical Master Design Files

All efforts required for establishing the master design files for the horizontal and vertical geometry, drainage structure features, utilities (including conflict location identification and adjustments), etc. This includes all work to create elements showing the alignment for both horizontal and vertical geometries in plan and profile portion of plan sheets.

Traffic Control Analysis

Includes all work necessary to develop a TTCP concept, such as determining the usage of lane closures, diversions, lane shifts, temporary drainage, and pedestrian TTCP.

Master TCP Design Files

Develop master TTCP files showing each phase of the TTCP. Includes all work necessary for designing lane configurations, diversions, lane shifts, signing and pavement markings, temporary traffic control devices, and temporary pedestrian ways.

Roadway Quantities

Includes all work required to determine the roadway quantities preparing the supporting documentation at the 60%, 90% and Final plan stages.

Roadway Cost Estimate

Preparing roadway cost estimates at 60%, 90% and Final plan stages.

MOSH Coordination

Includes on-going efforts required to coordinate the design of the roadway extension with the planned MOSH campus improvements. This will include the location of driveways, planned parking, roadway cul-de-sac, etc.

Field Reviews

Includes travel time for trips to field to obtain data necessary for roadway design.

Technical Meetings

Roadway Meetings with City and/or Agency staff such as pavement design meetings, local governments, etc. Excludes Project Manager hours.

Task - Roadway Plans

This task consists of the preparation of roadway plans in accordance with City standards. Plans will include as needed:

Key Sheet
Typical Sections
General Notes/Pay Item Notes
Project Layout
Plan Sheet
Profile Sheet
Intersection Layout Details
Special Details
Roadway Soil Survey Sheet
Cross Sections
Temporary Traffic Control Plan Sheets
Temporary Traffic Control Detail Sheets
Utility Adjustment Sheets
Erosion Control Plan
Project Network Control Sheet
Utility Verification Sheet (SUE Data)

Task - Drainage Analysis

This task consists of an analysis of the stormwater drainage system required for the roadway extension. Design work shall follow the requirements of the respective regulatory agencies. The objective is to design a stormwater collection system for the new two-/three-lane roadway. It is anticipated that stormwater treatment will be obtained through the use of stormwater credits to be provided by the City of Jacksonville. Storm water will be routed to a system of curb inlets and a piped collection system. The collection system will connect to the MOSH storm drain system, which will route stormwater to the St. Johns River. Storm water attenuation will not be required, as the project will outfall directly to the St. Johns River. Specific Tasks will consist of:

Determine Base Clearance Water Elevation

Review of the soils report and documentation to determine the base clearance.

Analysis of Required Stormwater Treatment

Includes determining the stormwater treatment that will be required for the project. This task also includes coordination with City of Jacksonville staff to determine the allocation of treatment credits.

Design of Storm Drains

This task includes the design of the storm drains and curb inlets along the roadway extension.

Drainage Design Documentation Report

This task is for writing and developing the report. Calculations are to be included in the report, however hours to perform calculations are included in the respective analysis task.

Drainage Cost Estimate

Prepare cost estimates for the drainage components at 60%, 90% and Final plan stages.

Field Reviews

Includes travel time for trips to field to obtain data necessary for drainage design.

Technical Meetings

Drainage Meetings with City and/or Agency staff, etc. Excludes Project Manager hours.

Task - Drainage Plans

This task consists of the preparation of drainage plans in accordance with City standards. Plans will include as needed:

Drainage Map
Drainage Structure Summary Table
Erosion Control Plan
SWPPP

Task - Utilities

This task includes coordination of the roadway design with affected utility companies to minimize conflicts. Existing as-built utility information obtained from the utility providers will be shown on the plans. Any utility relocation design shall be the responsibility of the affected utility companies. Specific tasks include:

Kickoff Meeting

Prior to any contact with the UAOs, the Consultant shall meet with the City to receive guidance, as may be required, to assure that all necessary coordination will be accomplished in accordance with City procedures. Consultant shall bring a copy of the design project work schedule reflecting utility activities.

Identify Existing UAO(s)

Includes Research Time (office and field time) and travel time if applicable. Identify known utilities in the corridor; review prior utility permits, reports, existing plans and surveys provided. Identification shall include type, size, capacity (transmission or distribution for gas or power) and Contact Sunshine 811.

Make Utility Contacts

(First Contact) Send letters and two sets of plans to each utility, one set for the City, one set each to construction and maintenance office if required. Request type, size, location, easements, and cost for relocation if applicable.

(Second Contact) At a minimum of 4 weeks prior to the meeting, the Consultant shall transmit two complete sets of 60% plans and the utility conflict information (if applicable) to each UAO having facilities located within the project limits, and one set to the City.

(Third Contact) Identify agreements and assemble packages. Send agreements, letters, the utility conflict information (when applicable), and two sets of plans to the UAOs including all component sets, one set for the City, one set to construction and maintenance if required. Include the design schedule.

Preliminary Utility Meeting

Includes pre-meeting preparation time + travel time + meeting duration + preparation of minutes, per meeting. The Consultant shall schedule (time and place), notify participants, and conduct a preliminary utility meeting with all affected UAO(s) for the purpose of presenting the project, review the current design schedule, evaluate the utility information collected, provide follow-up information, discuss the utility work by highway contractor option with each utility, and discuss any future design issues that may impact utilities. This is also an opportunity for the UAOs to present proposed facilities. The Consultant shall keep accurate minutes and distribute a copy to all attendees.

Individual/Field Meetings

Includes time for trips to the field to gather data for conflict resolution/utility issues and/or meetings with UAO(s). Lump sum based on pre-meeting preparation time + travel time + meeting duration + preparation of minutes, per meeting. The Consultant shall meet with each UAO, as necessary, throughout the project design duration to provide guidance in the interpretation of plans, review changes to the plans and schedules, optional clearing and grubbing work, and assist in the development of the UAO's plans and work schedules.

Collect and Review Plans and Data from UAO(s)

Review utility marked plans and data individually as they are received for content. Ensure information from the UAO (utility type, material and size) is sent to the designer for inclusion in the plans.

Utility Design Meeting

The Consultant shall schedule (time and place), notify participants, and conduct a Utility meeting with all affected UAOs. The Consultant shall be prepared to discuss impacts to existing trees/landscaping and proposed landscaping, drainage, traffic signalization, maintenance of traffic (construction phasing), review the current design schedule and letting date, evaluate the utility information collected, discuss with each UAO the utility work by highway contractor option, discuss any future design issues that may impact utilities, etc., to the extent that they may have an effect on existing or proposed utility facilities with particular emphasis on drainage and maintenance of traffic with each UAO.

The intent of this meeting shall be to assist the UAOs in identifying and resolving conflicts between utilities and proposed construction prior to completion of the plans, including utility adjustment details. Also to work with the UAOs to recommend potential resolution between known utility conflicts with proposed construction plans as may be deemed practical by the UAO. The Consultant shall keep accurate minutes of all meetings and distribute a copy to all attendees.

Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements

Estimate 2 to 4 hours X number of Utility documents for each UAO (for example: schedules, agreements, estimates, red-green-brown marked plans, and based on the number of UAOs, length of the project and complexity of the utility impacts). Review utility marked-up plans and work schedules as they are received for content, and coordinate review with the designer. Send color markups and schedules to the appropriate City offices for review and comment if required by the City. Coordinate with the City for execution. Distribute Executed Final Documents. Prepare Work Order for UAO's if required by the City. Based on documentation received from the UAO, ensure resolution between UWS conflicts and the proposed construction plans/schedule.

Utility Coordination/Follow-up

Lump Sum based on complexity of the project, number of utilities and level of effort anticipated to coordinate with the Utilities (estimate 2 to 24 hours for each Utility). This includes follow-up, interpreting plans, and assisting and the completion of the UAO's work schedule and agreements. Includes phone calls, face-to-face meetings, etc., to motivate and ensure the UAO(s) complete and return the required documents in accordance with the project schedule. Ensure the resolution of all known conflicts. This task can be applied to all phases of the project. The Consultant shall keep accurate minutes of all meetings and distribute a copy to all attendees.

Contract Plans to UAO(s)

This includes transmitting the contract plans as processed for bidding.

Certification/Close-Out

This includes hours for transmitting utility files (all supporting documentation) to the City and preparation of the Utility Certification Letter. The Consultant shall certify to the appropriate Department representative the following:

All utility negotiations (Full execution of each agreement, approved Utility Work Schedules, Technical Special Provisions (TSP) and Modified Special Provisions (MSP) written, etc.) have been completed with arrangements made for utility work to be undertaken and completed as required for proper coordination with the physical construction schedule.

JEA Watermain, Forcemain, and Chilled Water Lines

This task will include the design and permitting of both watermain and forcemain extensions as required to serve the MOSH parcel. This task will also include coordination with JEA to provide for the extension of chilled water lines to the MOSH parcel.

Task – Permitting (SJRWMD)

This task includes environmental services along the project corridor and preparing permit applications. The design of stormwater treatment / attenuation facilities is not included or anticipated. Stormwater treatment will be provided by the City of Jacksonville. Specific Tasks include:

Complete and Submit Required SJRWMD ERP Application

Includes completion of application, relevant attachments and cover letter with project description as well as completion of applicable forms as required. Includes responses to

agency Requests for Additional Information (RAIs), including necessary revisions to applicable attachments.

Technical Meetings

Engineering Meetings with City and/or Permitting Agency staff.

Task – Structures - Miscellaneous

This task includes the structural design of the roadway traffic signal mast arms and foundations. The designs shall meet City of Jacksonville / FDOT standards, as appropriate.

Task - Signing and Pavement Markings Analysis

This task includes the design of pavement markings and roadside signage as required for the project improvements. The design and plans shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), and FDOT standards, as appropriate. Specific Tasks include:

Signing and Pavement Marking Reference and Master Design File

Develop master design file showing all signing and pavement markings. Includes all work necessary to create the master design file and design the signing and pavement markings.

Sign Panel Design Analysis

Establish sign layout, text sizes and run sign design software. (Based on number of proposed signs)

Signing and Pavement Markings Quantities

Includes all work required to determine the Signing and Pavement Markings quantities and preparing the supporting documentation 60%, 90% and Final plan stages.

Signing and Pavement Markings Cost Estimate

Preparing Signing and Pavement Markings cost estimates at 60%, 90% and Final plan stages.

Task - Signing and Pavement Markings Plans

This task consists of the preparation of Signing and Pavement Markings plans in accordance with FDOT standards. Plans will include as needed:

General Notes/Pay Item Notes
Signing and Pavement Markings Plan Sheets
Guide Sign Worksheet(s)

Task - Signalization Analysis

This task includes the completion of a traffic signal warrant study at the intersection of eastbound Bay Street and A. Philip Randolph Blvd. This task also includes the design of new traffic signalization at the subject intersection. Signalization design shall meet City of Jacksonville / FDOT standards, as appropriate.

Task – Signalization Plans

This task includes the preparation of signalization plans to meet City of Jacksonville / FDOT standards, as appropriate.

Task – Lighting Analysis

This task includes the design of roadway lighting. Lighting shall be designed to meet City of Jacksonville standards.

Task – Lighting Plans

This task includes the preparation of roadway lighting plans to meet City of Jacksonville standards.

Task – Landscape Analysis

This task includes the design of landscape, hardscape, and irrigation improvements within the roadway extension corridor. Landscape design will include identifying the species/type, size, location, spacing, and quality of all plants. Hardscape design will be limited to wayfinding signage and street furniture consistent with Downtown standards for the Sports and Entertainment District. Irrigation Design will include the locations and sizes of mainlines, lateral lines, irrigation heads, valves, backflow, and control devices.

Task – Landscape Plans

This task consists of the preparation of Landscape Plans in accordance with COJ standards. Plans will include as needed:

Plant Schedule (Sheet no longer produced)
General Notes/Pay Item Notes
Landscape / Hardscape Plans
Planting Details
Hardscape Details
Irrigation Plans
Irrigation Details

Task – 3D Modelling

This task includes the preparation of a proposed 3D model of the proposed roadway, as required to create roadway cross sections.

Task - Topographic Surveying

This task includes topographic surveying required for the project. See attached scope of services from ETM Surveying and Mapping, Inc.

Task - Geotechnical Engineering

This task includes geotechnical exploration and testing to support the design. See attached scope of services from Meskel & Associates Engineering.

Task – Subsurface Utility Exploration

This task includes utility research, utility designation/surveying and subsurface utility excavations (soft digs). See attached scope of services from ETM Surveying and Mapping, Inc.

II. PROJECT REQUIREMENTS AND PROVISIONS FOR WORK

The following is a list of the required project deliverables:

PHASE REVIEW	11" x 17" Copies	Digital Copy
30% Phase Plans	3	1
60% Phase Plans	3	1
90% Phase Plans	3	1
Final Plans (Signed and Sealed)	3	1

III. CITY OF JACKSONVILLE RESPONSIBILITIES

A. DOCUMENTS

The City shall provide the Consultant any available plans, maps, or other pertinent information essential to the satisfactory completion of the work indicated herein.

B. REVIEWS

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

IV. TIME SCHEDULE

A detailed project schedule will be provided to the City within 10 days of the Notice to Proceed.

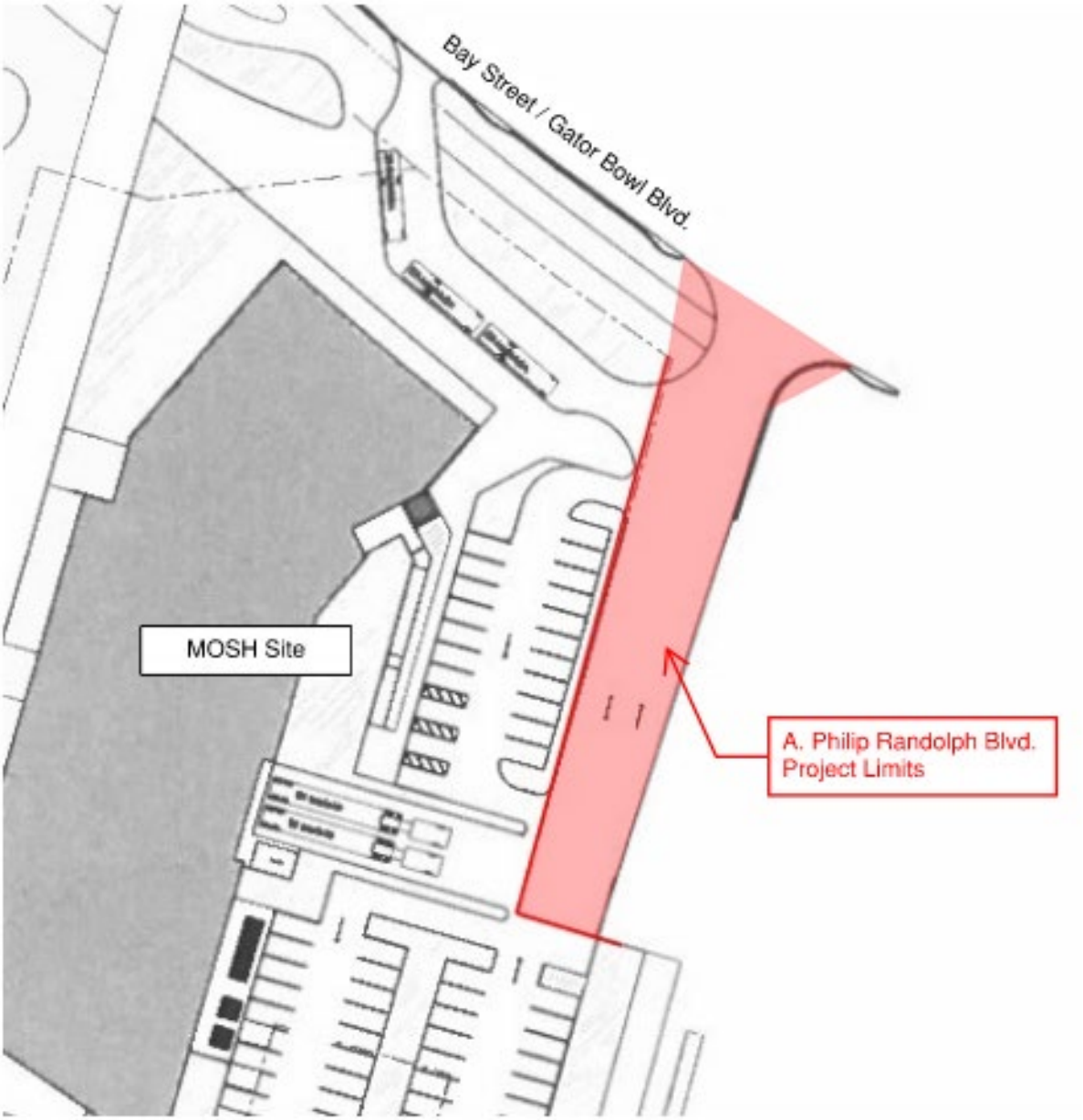
V. EXCLUDED ITEMS

The exclusions below are listed primarily to define the scope of this project. Should any of these services be required, a quotation to perform them will be provided.

- Private Utility Design
- Groundwater Modeling
- Contamination Assessments or Phase I ESA
- Tree Surveys

- Traffic Study (Beyond Traffic Signal Warrant)
- Design of Stormwater Outfall (To be Provided by MOSH Project)
- Design of Bulkhead Repairs/Improvements
- Sovereign Submerged Land Lease Permitting
- Public Involvement / Public Meetings
- Right-of-way Acquisition Services
- Bidding Services
- Construction Administration / Inspection

Concept Plan of A. Philip Randolph Blvd. Extension



Staff Hour Estimate

xhibit 1B

FEE SUMMARY

PART I - GENERAL	
1. Project A. Philip Randolph Blvd.	**2. Proposal Number**
3. Name of Consultant England-Thims & Miller, Inc.	**4. Date of Proposal** 6/29/2026

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Chief Engineer 2	$ 107.77	194	$ 20,907.38	
Senior Engineer 1	$ 76.92	481	$ 36,998.52	
Engineer 2	$ 66.35	577	$ 38,283.95	
Senior Designer	$ 48.08	384	$ 18,462.72	
Designer	$ 34.86	283	$ 9,865.38	
			$ 0.00	
			$ 0.00	
TOTAL DIRECT LABOR	$64.89	1919		$ 124,517.95
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate		200 % x Total Direct Labor		$ 249,035.90
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 373,553.85
8. PROFIT: Labor Related Costs (Item 7		x	10%	$ 37,355.39

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
	$ 0.00	
	$ 0.00	
	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS		
Topographic Survey (ETM Surveying and Mapping)	$ 16,240.00	
Geotechnical Services (MAE) - Roadway Borings	$ 7,412.50	
Geotechnical Services (MAE) - Mast Arm Borings	$ 12,817.81	
Subsurface Utility Engineering (ETM Surveying and Mapping)	$ 27,400.00	
SUB-CONTRACT SUB-TOTAL		$ 63,870.31
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 474,779.55
11. REIMBURSABLE COSTS (Limiting Amount)		
Expenses	$ $5,000.00	
SUB-TOTAL REIMBURSABLES		$ 5,000.00

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Cost Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 479,779.55**

Exhibit 1B

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: A. Philip Randolph Blvd.
County: Duval
FPN: N/A
FAP No.: N/A

Consultant Name: England, Thims, & Miller, Inc.
Consultant No.:
Date: 6/29/2026
Estimator: Maggiore

Staff Classification	Hours From "SH Summary - Firm"	Chief Engineer 2	Senior Engineer 1	Engineer 2	Senior Designer	Designer	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$107.77	$76.92	$66.35	$48.08	$34.86	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	273	27	68	82	55	41	0	0	0	0	0	0	0	273	$17,655	$64.67
4. Roadway Analysis	279	28	70	84	56	41	0	0	0	0	0	0	0	279	$18,097	$64.86
5. Roadway Plans	88	9	22	26	18	13	0	0	0	0	0	0	0	88	$5,706	$64.84
6a. Drainage Analysis	115	12	29	35	23	16	0	0	0	0	0	0	0	115	$7,510	$65.30
6b. Drainage Plans	49	5	12	15	10	7	0	0	0	0	0	0	0	49	$3,182	$64.94
7. Utilities	238	24	60	71	48	35	0	0	0	0	0	0	0	238	$15,440	$64.88
8. Permitting	181	18	45	54	36	28	0	0	0	0	0	0	0	181	$11,691	$64.59
18. Structures - Miscellaneous	36	4	9	11	7	5	0	0	0	0	0	0	0	36	$2,364	$65.67
19. Signing & Pavement Marking Analysis	81	8	20	24	16	13	0	0	0	0	0	0	0	81	$5,215	$64.39
20. Signing & Pavement Marking Plans	30	3	8	9	6	4	0	0	0	0	0	0	0	30	$1,964	$65.46
21. Signalization Analysis	177	18	44	53	35	27	0	0	0	0	0	0	0	177	$11,465	$64.77
22. Signalization Plans	49	5	12	15	10	7	0	0	0	0	0	0	0	49	$3,182	$64.94
23. Lighting Analysis	106	11	27	32	21	15	0	0	0	0	0	0	0	106	$6,918	$65.26
24. Lighting Plans	42	4	11	13	8	6	0	0	0	0	0	0	0	42	$2,734	$65.10
25. Landscape Analysis	66	7	17	20	13	9	0	0	0	0	0	0	0	66	$4,328	$65.58
26. Landscape Plans	65	7	16	20	13	9	0	0	0	0	0	0	0	65	$4,251	$65.40
36. 3D Modeling	44	4	11	13	9	7	0	0	0	0	0	0	0	44	$2,816	$64.01
Total Staff Hours	1,919	194	481	577	384	283	0	0	0	0	0	0	0	1,919		
Total Staff Cost		$20,907.38	$36,998.52	$38,283.95	$18,462.72	$9,865.38	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		**$124,518.54**	**$64.89**

Check = $124,517.95

Survey Field Days by Subconsultant	
4 - Person Crew:	

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.

SALARY RELATED COSTS:						$124,517.95
OVERHEAD:			200%			$249,035.90
OPERATING MARGIN:			10%			$37,355.39
FCCM (Facilities Capital Cost Money):			0.00%			$0.00
EXPENSES:						$5,000.00
Survey (Field - if by Prime)		0	4-person crew days @	$ -	/ day	$0.00
SUBTOTAL FEE:						**$415,909.24**
Subconsultant:	Topographic Survey (ETM Surveying and Mapping)					$16,240.00
Subconsultant:	Geotechnical Services (MAE) - Roadway Borings					$7,412.50
Subconsultant:	Geotechnical Services (MAE) - Mast Arm Borings					$12,817.81
Subconsultant:	Subsurface Utility Engineering (ETM Surveying and Mapping)					$27,400.00
Subconsultant:	Sub 5					$0.00
Subconsultant:	Sub 6					$0.00
Subconsultant:	Sub 7					$0.00
Subconsultant:	Sub 8					$0.00
Subconsultant:	Sub 9					$0.00
Subconsultant:	Sub 10					$0.00
Subconsultant:	Sub 11					$0.00
Subconsultant:	Sub 12					$0.00
SUBTOTAL FEE:						**$479,779.55**
Geotechnical Field and Lab Testing						$0.00
SUBTOTAL FEE:						**$479,779.55**
GRAND TOTAL FEE:						**$479,779.55**

Estimator:

A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	0	0	0	Not Anticipated
3.1.2	Notifications	LS	0	0	0	Not Anticipated
3.1.3	Preparing Mailing Lists	LS	0	0	0	Not Anticipated
3.1.4	Median Modification Letters	LS	0	0	0	Not Anticipated
3.1.5	Driveway Modification Letters	LS	0	0	0	Not Anticipated
3.1.6	Newsletters	LS	0	0	0	Not Anticipated
3.1.7	Renderings and Fly Throughs	LS	0	0	0	Not Anticipated
3.1.8	PowerPoint Presentation	LS	0	0	0	Not Anticipated
3.1.9	Public Meeting Preparations	LS	0	0	0	Not Anticipated
3.1.10	Public Meeting Attendance/Followup	LS	0	0	0	Not Anticipated
3.1.11	Other Agency Meetings	LS	0	0	0	Not Anticipated
3.1.12	Web Site	LS	0	0	0	Not Anticipated
				3.1 Public Involvement Subtotal	**0**	
3.2	Joint Project Agreements	EA	0	0	0	Not Anticipated
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	24	24	
3.3.2	Estimated Quantites Report Preparation	LS	0	0	0	Not Anticipated
3.4	Contract Maintenance and Project Documentation	LS	1	63	63	24 hrs setup + 3 hrs x 9 months + 12 hrs final documentation
3.5	Value Engineering (Multi-Discipline Team) Review	LS	0	0	0	Not Anticipated
3.6	Prime Consultant Project Manager Meetings	LS	1	24	24	See listing below
3.7	Plans Update	LS	0	0	0	Not Anticipated
3.8	Post Design Services	LS	1	150	150	Construction progress and other meetings, shop drawing review, contractor and CEI RFI's.

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.9	Digital Delivery	LS	1	12	12	6 hrs for first EOR, 3 hrs each for additional 2 EOR's
3.10	Risk Assessment Workshop	LS	0	0	0	Not Antcipated
3.11	Railroad, Transit, and/or Airport Coordination	LS	0	0	0	Not Antcipated
3.11.1	Aeronautical Evaluation	LS	0	0	0	Not Antcipated
3.12	Landscape and Existing Vegetation Coordination	LS	0	0	0	Not Antcipated
3.13	Other Project General Tasks					
3.13a	ICE Analysis	LS	0	0	0	Not Included
3. Project Common and Project General Tasks Total					**273**	

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

Notes:

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

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

Estimator:

A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	8	8	One typical section
4.2	Pavement Type Selection Report	LS	0	0	0	Not anticipated; pavement will be asphalt
4.3	Pavement Design Package	LS	0	0	0	Not anticipated; use City standard
4.4	Cross-Slope Correction	LS	0	0	0	Not anticipated
4.5	Horizontal /Vertical Master Design Files	LS	1	43	43	0.20 miles * 215 hrs./mile
4.6	Access Management	LS	1	0	0	See Task 4.18
4.7	Roundabout Final Design Analysis	LS	0	0	0	Not Anticipated
4.8	Cross Section Design Files	LS	1	32	32	
4.9	Temporary Traffic Control Plan Analysis	LS	1	16	16	
4.10	Master TTCP Design Files	LS	1	16	16	16 hrs/phase * 1 phase
4.11a	Selective Clearing and Grubbing of Existing VegetationField Assessment	LS	0	0	0	Not Anticipated
4.11b	Selective Clearing and Grubbing Site Inventory of Existing Vegetation and Cross-Discipline Coordination (OPTIONAL SERVICES)	LS	0	0	0	Not Anticipated
4.11c	Selective Clearing and Grubbing- Existing Vegetation Maintenance Report	LS	0	0	0	Not Anticipated
4.12	Tree Dispostion Plan	LS	0	0	0	Not Anticipated
4.13	Design Variations and Exceptions	LS	0	0	0	Not Anticipated
4.14	Design Report	LS	0	0	0	
4.15	Roadway Quantities	LS	1	24	24	
4.16	Cost Estimate	LS	1	9	9	Cost Est. @ 60%, 90%, and Final (3 hrs / estimate)
4.17	Technical Special Provisions and Modified Special Provisions	LS	0	0	0	Not anticiapted for roadway items

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.18	Coordination with MOSH Design Team	LS	1	85	85	
				Roadway Analysis Technical Subtotal	**233**	
4.19	Field Reviews	LS	2	4	8	2 Staff @ 2 hr each * 2
4.20	Monitor Existing Structures	LS	0	0	0	Not Anticipated
4.21	Technical Meetings	LS	1	6	6	Meetings are listed below
4.22	Quality Assurance/Quality Control	LS	%	5%	12	
4.23	Independent Peer Review	LS	%	0%	0	
4.24	Supervision	LS	%	5%	12	
				Roadway Analysis Nontechnical Subtotal	**38**	
4.25	Coordination	LS	%	3%	8	
				4. Roadway Analysis Total	**279**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0			0
Pavement	EA	0	0	0			0
Access Management	EA	0	0	0			0
15% Line and Grade	EA	0	0	0			0
Driveways	EA	0	0	0			0
Local Governments (cities, counties, MPO)	EA	0	0	0			0
Work Zone Traffic Control	EA	0	0	0			0
60/90/100% Comment Review Meetings	EA	3	2	6		yes	2
Other Meetings	EA	0	0	0		yes	0
Subtotal Technical Meetings				**6**		**Subtotal Project Manager Meetings**	2
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)**		**2**

Carries to 4.21

Carries to Tab 3

Estimator:

A. Philip Randolph Blvd.

N/A

Representing		Print Name	Signature / Date
FDOT District			
Consultant Name			

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	4	4	
5.2	Typical Section Sheets						
5.2.1	Typical Sections		EA	1	4	4	
5.2.2	Typical Section Details		EA	0	0	0	
5.3	General Notes/Pay Item Notes		Sheet	1	8	8	
5.4	Project Layout		Sheet	0	0	0	
5.5	Plan/Profile Sheet		Sheet	0	0	0	
5.6	Profile Sheet		Sheet	1	5	5	
5.7	Plan Sheet		Sheet	1	6	6	
5.8	Special Profile		Sheet	0	0	0	
5.9	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	
5.10	Interchange Layout Sheet		Sheet	0	0	0	
5.11	Ramp Terminal Details (Plan View)		Sheet	0	0	0	
5.12	Intersection Layout Details		Sheet	1	12	12	
5.13	Special Details		EA	0	0	0	
5.14	Cross-Section Pattern Sheets		Sheet	0	0	0	
5.15	Roadway Soil Survey Sheets		Sheet	1	1	1	
5.16	Cross Sections		EA	12	0.5	6	
5.17	Temporary Traffic Control Plan Sheets		Sheet	2	4	8	
5.18	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	
5.19	Temporary Traffic Control Detail Sheets		Sheet	1	6	6	

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.20	Utility Adjustment Sheets		Sheet	2	6	12	
5.21	Selective Clearing and Grubbing Sheets						
5.21.1	Selective Clearing and Grubbing		Sheet	0	0	0	
5.21.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	
5.22	Tree Disposition Sheets						
5.22.1	Tree Disposition Plan Sheets		Sheet	0	0	0	
5.22.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	
5.23	Project Control Sheets		Sheet	0	0	0	
5.24	Environmental Detail Sheets		Sheet	0	0	0	
5.25	Utility Verification Sheets (SUE Data)		Sheet	1	8	8	
					Roadway Plans Technical Subtotal	**80**	
5.26	Quality Assurance/Quality Control		LS	%	5%	4	
5.27	Supervision		LS	%	5%	4	
					5. Roadway Plans Total	**88**	

Estimator:

A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	1	6	6	
6a.2	Base Clearance Calculations	Per Location	1	4	4	
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	
6a.4	Design of Cross Drains	EA	0	0	0	
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	
6a.9	Design of Storm Drains	EA	10	3	30	
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	
6a.11.1	Existing French Drain Systems	Per Cell	0	0	0	
6a.12	Drainage Wells	EA	0	0	0	
6a.13	Drainage Design Documentation Report	LS	1	32	32	Includes calculation of storm water treatment credits required
6a.14	Bridge Hydraulic Report	EA	0	0	0	
6a.15	Temporary Drainage Analysis	LS	0	0	0	
6a.16	Quantities for EQ Report	Drainage Structures	10	Calculated Hours	8	
		Phase 2 Submittal	**No**	8		
6a.17	Cost Estimate	LS	3	5	15	
6a.18	Technical Special Provisions / Modified Special Provisions	LS	0	0	0	
6a.19	Hydroplaning Analysis	LS	0	0	0	
6a.20	Existing Permit Analysis	LS	0	0	0	
6a.21	Other Drainage Analysis	LS	0	0	0	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.22	Noise Barrier Evaluation	LS	0	0	0	
6a.23	Erosion Control Plan	Per Mile	0.2	24	5	
				Drainage Analysis Technical Subtotal	**100**	
6a.24	Field Reviews	LS	1	0	0	
6a.25	Technical Meetings	LS	1	2	2	Meetings are listed below
6a.26	Environmental Look-Around (ELA) Meeting	LS	1	0	0	
6a.27	Quality Assurance/Quality Control	LS	%	5%	5	
6a.28	Independent Peer Review	LS	%	0%	0	
6a.29	Supervision	LS	%	5%	5	
				Drainage Analysis Nontechnical Subtotal	**12**	
6a.30	Coordination	LS	%	3%	3	
				6a. Drainage Analysis Total	**115**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	1	2	2		yes	1
Pond Siting	EA	0	0	0			0
Agency	EA	0	0	0		yes	0
Local Governments (cities, counties)	EA	0	0	0			0
FDOT Drainage	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				**2**			1
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				**2**	**Total Project Manager Meetings (carries to Tab 3)**		**1**
				Carries to 6a.25			Carries to Tab 3

Estimator:

6b. Drainage Plans Staff Hours

A. Philip Randolph Blvd.
N/A

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)	0.20	Mid Range	5	0	0	5	
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	0		0	0	0	0	
6b.3	Drainage Structures	Drainage Structures	10		22	0	0	22	
		Details	0						
6b.4	Lateral Ditches	Ditches	0	Standard	0	0	0	0	
			0	Complex					
		Cross Section Alignments	0						
6b.5	Retention/Detention/Floodplain Compensation Ponds	Ponds	0	Standard	0	0	0	0	
			0	Complex					
		Cross Section Alignments	0						
6b.6	Erosion Control Plan	Length (Miles)	0.20	Mid Range	1	0	0	4	
6b.7	SWPPP		Yes	Standard	6	0	0	6	
				Drainage Plans Technical Subtotal	**34**	**0**	**0**	**37**	
6b.8	Quality Assurance/Quality Control	%	5%		10	0	0	10	
6b.9	Supervision	%	5%		2	0	0	2	
				6. Drainage Plans Total	**46**	**0**	**0**	**49**	

Exhibit 1B

Estimator:

A. Philip Randolph Blvd.
N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours		Comments
7.1	Utility Kickoff Meeting	LS	0	0	0		
7.2	Identify Existing Utility Agency Owner(s)	LS	1	2	2		
7.3	Make Utility Contacts	LS	1	12	12		
7.4	Exception Processing	LS	0	0	0		
7.5	Preliminary Utility Meeting	LS	0	0	0		
7.6	Individual/Field Meetings	LS	6	4	24		
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	12	12		
7.8	Subordination of Easements Coordination	LS	0	0	0		
7.9	Utility Design Meeting	LS	1	8	8		
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	8	8	Review Utility Mark ups only.	
7.11	Utility Coordination/Followup	LS	1	16	16		
7.12	Utility Constructability Review	LS	0	0	0		
7.13	Additional Utility Services	LS	1	16	16	Coord. With JEA for chileld water line	
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	0	0	0		
7.15	Contract Plans to UAO(s)	LS	1	8	8		
7.16	Certification/Close-Out	LS	1	12	12		
7.17	Other Utilities	LS	1	120	120	Design of WM and FM extensions to serve MOSH	
				7. Utilities Total	**238**		

Exhibit 1B

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

Carries to Tab 3

Exhibit 1B

Estimator:

A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Environmental Permits and Environmental Clearances					
8.1	Preliminary Project Research	LS	1	24	32	Review existing permits and permit modifications
	Permits			**0**		
8.2	**Field Work**					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	Not Anticipated
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	0	0	0	Not Anticipated
8.2.3	Species Surveys	LS	0	0	0	Not Anticipated
8.3	Agency Verification of Wetland Data	LS	0	0	0	Not Anticipated
8.4	**Complete And Submit All Required Permit Applications**					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	120	120	SJRWMD Permit Application and Coordination, RAI responses
8.4.2	Complete and Submit All Required Species Permit Applications	LS	0	0	0	Not Anticipated
8.5	Coordinate and Review Dredge and Fill Sketches	LS	0	0	0	Not Anticipated
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	0	0	0	Not Anticipated
8.6.2	Complete and submit USCG Bridge Application	LS	0	0	0	Not Anticipated
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	0	0	0	Not Anticipated
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	0	0	0	Not Anticipated
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	0	0	0	Not Anticipated
8.10	Compensatory Mitigation Plan	LS	0	0	0	Not Anticipated

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.11	Mitigation Coordination and Meetings	LS	0	0	0	Not Anticipated
8.12	Regulatory Agency Support	LS	0	0	0	Not Anticipated
	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	0	0	0	Not Anticipated
8.13.2	Archaeological and Historical Resources	LS	0	0	0	Not Anticipated
8.13.3	Wetland Impact Analysis	LS	0	0	0	Not Anticipated
8.13.4	Essential Fish Habitat Impact Analysis	LS	0	0	0	Not Anticipated
8.13.5	Protected Speices and Habitat Impact Analysis	LS	0	0	0	Not Anticipated
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	0	0	0	Not Anticipated
8.14.2	Archaeological and Historical Resources	LS	0	0	0	Not Anticipated
8.14.3	Wetland Impact Analysis	LS	0	0	0	Not Anticipated
8.14.4	Essential Fish Habitat Impact Analysis	LS	0	0	0	Not Anticipated
8.14.5	Protected Species and Habitat Impact Analysis	LS	0	0	0	Not Anticipated
8.15	Other Permits	LS	1	0	0	Not Anticipated
8.16	Contamination Impact Analysis	LS	0	0	0	Not Anticipated
8.17	Asbestos Survey	LS	0	0	0	Not Anticipated
	Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal				**152**	
8.18	Technical Meetings	LS	1	8	8	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	5%	8	
8.20	Supervision	LS	%	5%	8	
	Environmental Permits and Environmental Clearances Nontechnical Subtotal				**24**	
8.21	Coordination	LS	%	3%	5	
	8. Environmental Permits and Environmental Clearances Total				**181**	

Exhibit 1B

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**
WMD		EA	1	4	4		yes	1
NMFS		EA	0	0	0			0
USACE		EA	1	4	4			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	FEC		0
Subtotal Technical Meetings					**8**		**Subtotal Project Manager Meetings**	1
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)**	**1**

Carries to 8.18

Carries to Tab 3

Project Activity 18: Miscellaneous Structures

Estimator:

A. Philip Randolph Blvd.

N/A

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	2	16		32	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	4	1	4	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
	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						

Project Activity 18: Miscellaneous 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	
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				**1**	**36**	

Estimator:

A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	0	0	0	N/A
19.2	No Passing Zone Study	LS	0	0	0	N/A
19.3	Signing and Pavement Marking Master Design File	LS	1	63	63	45 hrs set up + 0.20 miles * 90 hrs/mile
19.4	Multi-Post Sign Support Calculations	EA	0	0	0	N/A
19.5	Sign Panel Design Analysis	EA	0	0	0	N/A
19.6	Sign Lighting/Electrical Calculations	EA	0	0	0	N/A
19.7	Quantities for EQ Report	LS	1	6	6	
19.8	Cost Estimate	LS	1	4	4	
19.9	Technical Special Provisions and Modified Special Provisions	LS	0	0	0	
19.10	Other Signing and Pavement Marking	LS	0	0	0	
	Signing and Pavement Marking Analysis Technical Subtotal				**73**	
19.11	Field Reviews	LS	0	0	0	
19.12	Technical Meetings	LS	0	0	0	Meetings are listed below
19.13	Quality Assurance/Quality Control	LS	%	5%	4	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	5%	4	
	Signing and Pavement Marking Analysis Nontechnical Subtotal				**8**	
19.16	Coordination	LS	%	0%	0	
	19. Signing and Pavement Marking Analysis Total				**81**	

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		yes	0
Local Governments (cities, counties)	EA	0	0	0			0

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments		
	Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings					**0**		**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					**0**		**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 19.12

Carries to Tab 3

Estimator:

A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	0	0	0	0	
20.2	General Notes/Pay Item Notes		Sheet	1	8	1	8	
20.3	Project Layout		Sheet	0	0	0	0	
20.4	Plan Sheet		Sheet	2	10	2	20	
20.5	Typical Details		EA	0	0	0	0	
20.6	Guide Sign Worksheets		EA	0	0	0	0	
20.7	Traffic Monitoring Site		EA	0	0	0	0	
20.8	Cross Sections		EA	0	0	0	0	
20.9	Special Service Point Details		EA	0	0	0	0	
20.10	Special Details		LS	1	0	0	0	
20.11	Interim Standards		LS	1	0	0	0	
Signing and Pavement Marking Plans Technical Subtotal						**3**	**28**	
20.12	Quality Assurance/Quality Control		LS	%	5%		1	
20.13	Supervision		LS	%	5%		1	
20. Signing and Pavement Marking Plans Total						**3**	**30**	

Estimator:

A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	0	0	0	Not Anticipated
21.2	Traffic Data Analysis	PI	0	10	0	
21.3	Signal Warrant Study	LS	1	24	24	
21.4	System Timings	LS	0	6	0	
21.5	Reference and Master Signalization Design File	PI	1	40	40	
21.6	Reference and Master Interconnect Communication Design File	LS	1	24	24	
21.7	Overhead Street Name Sign Design	EA	2	3	6	
21.8	Pole Elevation Analysis	LS	1	2	2	
21.9	Traffic Signal Operation Report	LS	1	24	24	
21.10	Quantities for EQ Report	LS	1	20	20	
21.11	Cost Estimate	LS	3	4	12	
21.12	Technical Special Provisions and Modified Special Provisions	LS	0	0	0	
21.13	Other Signalization Analysis	LS	0	0	0	
				Signalization Analysis Technical Subtotal	**152**	
21.14	Field Reviews	LS	1	4	4	
21.15	Technical Meetings	LS	0	0	0	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	5%	8	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	5%	8	
				Signalization Analysis Nontechnical Subtotal	**20**	

21.19	Coordination	LS	%	3%	5	
				21. Signalization Analysis Total	**177**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
SJC Traffic Operations	EA	0	4	0		no	0
SJC Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	0	0	0			0
Maintaining Agency (cities, counties)	EA	0	0	0			0
Railroads	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				**0**		**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				**0**		**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 21.15

Carries to Tab 3

Exhibit 1B

Estimator:

A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	0	0	0	0	
22.2	General Notes/Pay Item Notes		Sheet	1	9	1	9	
22.3	Plan Sheet		Sheet	1	6	1	6	
22.4	Interconnect Plans		Sheet	4	4	4	16	
22.5	Traffic Monitoring Site		EA	0	0		0	
22.6	Guide Sign Worksheet		EA	1	4		4	
22.7	Special Details		Sheet	1	4	1	4	
22.8	Special Service Point Details		EA	1	4		4	
22.9	Mast Arm/Monotube Tabulation Sheet		PI	1	2		2	
22.10	Strain Pole Schedule		PI	0	0		0	
22.11	TTCP Signal		EA	0	0		0	
22.12	Temporary Detection Sheet		PI	0	0		0	
22.13	Utility Conflict Sheet		Sheet	0	8	0	0	
22.14	Interim Standards		LS	0	4		0	
					Signalization Plans Technical Subtotal	**7**	**45**	
22.15	Quality Assurance/Quality Control		LS	%	5%		2	
22.16	Supervision		LS	%	5%		2	
					22. Signalization Plans Total	**7**	**49**	

Project Activity 23: Lighting Analysis

Estimator: A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	Not Anticipated
23.2	Lighting Design Analysis Report (LDAR)	LS	1	24	24	
23.3	Voltage Drop Calculations	EA	1	4	4	
23.4	FDEP Coordination and Report	LS	1	0	0	15 hrs set up + 0.20 miles * 40 hrs/mile
23.5	Reference and Master Design Files	LS	1	23	23	16 hrs set up + 0.20 miles * 40 hrs/mile
23.6	Temporary Highway Lighting	LS	1	0	0	
23.7	Design Documentation	LS	1	8	8	
23.8	Quantities for EQ Report	LS	1	20	20	
23.9	Cost Estimate	LS	3	4	12	
23.10	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
23.11	Other Lighting Analysis	LS	1	0	0	
				Lighting Analysis Technical Subtotal	**91**	
23.12	Field Reviews	LS	1	2	2	
23.13	Technical Meetings	LS	1	0	0	
23.14	Quality Assurance/Quality Control	LS	%	5%	5	
23.15	Independent Peer Review	LS	%	0%	0	
23.16	Supervision	LS	%	5%	5	
				Lighting Analysis Nontechnical Subtotal	**12**	
23.17	Coordination	LS	%	3%	3	
				23. Lighting Analysis Total	**106**	

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	0	0	0			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				**0**		**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				**0**		**Total Project Manager Meetings (carries to Tab 3)**	**0**
				Carries to 23.13			Carries to Tab 3

24. Lighting Plans

Estimator: A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	4	1	4	
24.2	General Notes/Pay Item Notes		Sheet	1	9	1	9	
24.3	Pole Data, Legend and Criteria		Sheet	1	5	1	5	
24.4	Service Point Details		Sheet	1	12	1	12	
24.5	Project Layout		Sheet	0	0	0	0	
24.6	Plan Sheet		Sheet	2	4	2	8	
24.7	Special Details		Sheet	0	0	0	0	
24.8	Temporary Highway Lighting Detail Sheets		Sheet	0	0	0	0	
24.9	Temporary Highway Lighting Plan Sheets		Sheet	0	0	0	0	
24.10	Interim Standards		LS	1	0		0	
					Lighting Plans Technical Subtotal	**6**	**38**	
24.11	Quality Assurance/Quality Control		LS	%	5%		2	
24.12	Supervision		LS	%	5%		2	
					24. Lighting Plans Total	**6**	**42**	

25. Landscape Analysis

Estimator: A. Philip Randolph Blvd.

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
25.1	Data Collection	LS	1	0	0	
25.2	Site Inventory and Analysis					
25.2a	Selective Clearing and Grubbing Site Inventory	LS	1	0	0	
25.2b	Inventory and Analysis	LS	1	0	0	
25.2c	Vegetation Disposition Plan					
25.2c1	Vegetation Disposition Plan- Mainline	Per mainline mile	0	0	0	
25.2c2	Vegetation Disposition Plan- Interchange	Per interchange	0	0	0	
25.3	Planting Design					
25.3a	Conceptual Planting Design					
25.3a1	Report Preparation	LS	1	0	0	
25.3a2	Mainline	Per mainline mile	0.2	24	5	
25.3a3	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.3a4	Toll Plazas	EA	0	0	0	
25.3b	Final Planting Design					
25.3b1	Master Design File Creation	LS	0	0	0	
25.3b2	Mainline	Per mainline mile	0.2	60	12	
25.3b3	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.3b4	Toll Plazas	EA	0	0	0	

25. Landscape Analysis

25.4	Irrigation Design					
25.4a	Conceptual Irrigation Design					
25.4a1	Feasibility Report	LS	1	0	0	
25.4a2	Mainline	Per mainline mile	0.2	20	4	
25.4a3	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.4a4	Toll Plazas	EA	0	0	0	
25.4b	Final irrigation Design					
25.4b1	Mainline	Per mainline mile	0	0	0	
25.4b2	Interchanges, Intersections, and Rest Areas	EA	0.2	50	10	
25.4b3	Toll Plazas	EA	0	0	0	
25.5	Hardscape Design					
25.5a	Conceptual Hardscape Design	Per mainline mile	0.2	16	3	
26.5b	Final Hardscape Design	Per mainline mile	0.2	40	8	
25.6	Roll Plots	EA	0	0	0	
25.7	Quantites for EQ Report	Project Complexity	**Low Range**	Calculated Hours	8	
		Phase 2 Submittal	**No**	20		
25.8	Cost Estimates	LS	3	2	6	
25.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
25.10	Inspection Services	LS	1	0	0	
25.11	Other Landscape Services	LS	1	0	0	
25.12	Outdoor Advertising	EA	0	0	0	
Landscape Analysis Technical Subtotal					**56**	
25.13	Field Reviews	LS	1	0	0	
25.14	Technical Meetings / Public Meetings	LS	1	4	4	Meetings are listed below
25.15	Quality Assurance/Quality Control	LS	%	5%	3	
25.16	Independent Peer Review	LS	%	0%	0	

25. Landscape Analysis

25.17	Supervision	LS	%	5%	3	
Landscape Analysis Nontechnical Subtotal					**10**	

25. Landscape Analysis

25.18	Project Coordination	LS	%	0%	0	
25.19	Interdisciplinary Coordination	LS	%	0%	0	
				25. Landscape Analysis Total	**66**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT (kickoff, concept review)	EA	0	0	0			0
Maintaining Agency (cities, counties)	EA	1	4	4			0
Utility Owners	EA	0	0	0			0
Local Agency for Tree Removal	EA	0	0	0			0
Local Citizen Group(s)	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				**4**		**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				**4**		**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 25.14

Carries to Tab 3

26. Landscape Plans

Estimator:	26. Landscape Plans Staff Hours	A. Philip Randolph Blvd. N/A

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.
26.1	Key Sheet		No		0	0	0	0	
	Signature Sheet		No						
26.2	Plant Schedule		Yes		4	0	0	4	
26.3	General Notes/Pay Item Notes	Notes	24		12	0	0	8	
26.4	Planting Plans For Linear Areas	Length (Miles)	0.20	Low Range	14	0	0	8	
26.5	Planting Plans for Non-Linear Areas (Stormwater Facilities, Rest Areas, Interchanges, & Toll Plazas)	Area (Acre)	0.00		0	0	0	0	
26.6	Planting Details and Notes	Details	6		24	0	0	8	
26.7	Irrigation Plans for Linear Areas	Length (Miles)	0.20	Low Range	14	0	0	8	
26.8	Irrigation Plans for Non-Linear Areas (Stormwater Facilities, Rest Areas, Interchanges, & Toll Plazas)	Area (Acre)	0.00		0	0	0	0	
26.9	Irrigation Details and Notes	Details	4		16	0	0	8	
26.10	Hardscape Plans		No		0	0	0	0	Hardscape to be included on the Landscape Plans
26.11	Hardscape Details and Notes		Yes		TBD	0	0	8	
26.12	Maintenance Plan		No		0	0	0	0	
				Landscape Plans Technical Hours Subtotal	**84**	**0**	**0**	**52**	
26.13	Quality Assurance/Quality Control	%	5%		10	0	0	10	
26.14	Supervision	%	5%		5	0	0	3	
				26. Landscape Plans Total	**99**	**0**	**0**	**65**	

Project Activity 36: 3D Modeling

Estimator:

A. Philip Randolph Blvd.
N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
36.1	Phase I 3D Design Model	Alignment / Corridor Mile	0.2	50	10	
36.2	Phase II 3D Design Model	Alignment / Corridor Mile	0.2	110	22	
36.3	Phase III 3D Design Model	Alignment / Corridor Mile	0.2	20	4	
36.4	Final 3D Design Model	Alignment / Corridor Mile	0.2	16	3	
36.5	Cross Section Design Files	LS	1	0	0	
36.6	Template and Assembly Development (Optional)	LS	1	0	0	
				3D Modeling Technical Subtotal	**39**	
36.7	Quality Assurance/Quality Control	LS	%	7%	3	
36.8	Supervision	LS	%	5%	2	
36.9	Coordination	LS	%	0%	0	
				3D Modeling Total	**44**	

Limited Topographic Survey

Provide limited topographic detail for design purposes of the site referenced above and as detailed on graphic provided by England-Thims & Miller, Inc., attached hereto as "Exhibit A". The topographic survey limits are as outlined in Exhibit A and include providing topographic data of the east bound lanes of East Bay Street and the intersection with Gator Bowl Boulevard. The topographic data to be collected will be surveyed in 100-foot grid lines measured at 100-foot intervals or at any change of topography. The surveyed data will be referenced to a published horizontal and vertical datum. The location and mapping of improvements and utilities will be limited to above ground visible evidence only. The deliverables will consist of digital data files of the survey suitable for civil engineering design with a finalized map of survey to follow.

Lump Sum Fee …….…..... $16,240.00

Subsurface Utility Services

Provide subsurface utility designating services for the project described above and as depicted on graphic provided by client. Through our initial design ticket through Sunshine811, we have found approximately eleven utility owners within our project vicinity. This scope of services also includes providing up to ten (10) test holes on an as needed basis, and two mast arm clearances 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. Mast arms will be cleared in a five foot by five foot cross to a depth of 15 feet. The underground utility test holes, and utility designation will be surveyed and incorporated into a cad file for use in engineering design.

SUE Technician……..…….…..… $3,150.00
Survey……..……..…….……....… $2,800.00
(2) Mast Arm Clearances ($2,600 per)……..……..…..…….….. $5,200.00
Utility Designating*……..... $10,000.00
Maximum Limiting Fee ..……..…….…….…….. $21,150.00

Test Holes** (As Needed)
(10) Test Holes ($625 per hole) ……..……....…….. $6,250.00
Estimated Test Hole Budget……..……..…….. $6,250.00

****ETM will utilize its expertise and equipment to identify areas containing subsurface utility infrastructure. However, results may vary depending on several factors including but not limited to soil composition, moisture content, tide levels, water table, dielectric constant of subsurface material and unknown obstructions that may attenuate***

equipment signals. NO guarantee is provided to the client, or third-party entities, that these services will detect all subsurface utility infrastructure.

Notice: GPR and PCL Scanning is a highly effective method for detecting potential existing utility infrastructure. However, this service does not absolve the client, their subcontractors, or Utility Owners from their obligations and responsibilities under F.S. 556.

ETM shall not be liable to the client, or third-party associated with this agreement, for any damages resulting from excavation activities by the others.

****Subsurface Utility Test Hole quantities are an estimate based on information provided by our Sunshine 811 design ticket for the project area. Only actual services rendered will be invoiced as billable, with a minimum of five test holes being required. A mobilization fee of $400 will be charged if the minimum of 5 test holes are not authorized.***

Docusign Envelope ID: 8B411056-E347-47D8-8B1C-0A32EE63DA3C

February 16, 2026

Mr. Matt Maggiore, P.E.
England-Thims & Miller, Inc.
14775 Old St. Augustine Road
Jacksonville, Florida 32258

Subject: Proposal for Geotechnical Exploration and Engineering Services
COJ – A. Philip Randolph Boulevard Extension
Jacksonville, Florida
MAE Proposal No. 260075

Dear Mr. Maggiore:

MESKEL & ASSOCIATES ENGINEERING, PLLC (MAE) is pleased to present this proposal to provide the geotechnical exploration and engineering services for the subject project. This proposal was requested by you via electronic correspondence on February 11, 2026. This correspondence detailed the scope of services and location of the proposed roadway extension at A. Philip Randolph Boulevard in Jacksonville, Florida.

Based on the provided information, we understand that the project will include the design of the roadway extension of A. Philip Randolph Boulevard for approximately 400 LF into the future MOSH site, to within approximately 50 feet of the existing bulkhead. The project includes extension of the 2 to 3 lane roadway and utility services (water, sewer, electric, and other customary utilities) to serve the adjacent museum parcel. The project scope includes sidewalks, landscaping, lighting, and street furniture consistent with Downtown standards for the Sports and Entertainment District.

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	Boring No. & Type	Test Depth ft below ground surface
A. Philip Randolph Boulevard Extension (400 LF)	6 Auger Borings[1]	6
	2 Bulk Samples[2] (LBR & Corrosion Series Testing)	Upper 2 feet
	1 Pavement Core[3]	2 to 3

1. The number of borings and boring spacing is in accordance with the FDOT Soils and Foundation Handbook.
2. Bulk samples will be collected for Limerock Bearing Ratio (LBR) and Corrosion Series testing within the limits of the roadway extension.
3. Core will be through pavement structure (asphalt surface and base material), plus 2-foot auger into subgrade.

The boring locations appear to be easily accessible with our truck-mounted and/or manual auger drilling and coring equipment. We will locate the borings using our hand-held GPS equipment, accurate to within 3 meters (+/- 10 feet), and will utilize adjacent landmarks. The borings will be performed in general accordance with ASTM D1452. Once the auger borings are completed, they will be backfilled with native

soil cuttings or bentonite hole plug. The pavement core will be backfilled with soil cuttings or bentonite hole plug to the bottom of the base course and then capped with an asphalt concrete cold-patch material to slightly above the adjacent pavement grade. We will take reasonable precautions to mitigate damage to property during our field exploration and will reasonably restore the site to a condition similar to that existing prior to the start of our fieldwork.

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 limit maintenance of traffic operations to the use of signs and cones, as determined to be required at the time of the field exploration. The presence of overhead and below grade utilities may require that the borings be offset a minimal distance from the proposed roadway pavement.

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 under the oversight of a geotechnical engineer in general accordance with ASTM D2488.

Laboratory classification, soil index tests, Limerock Bearing Ratio 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 with regard to the proposed construction.

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 evaluation will be documented in a report that will include the following:

- Our understanding of the planned construction and general description of the project;
- The observed site conditions, such as topography, surface vegetation, pavement condition, etc. as they relate to the anticipated construction,
- A boring location plan detailing the location of each boring;
- Field exploration procedures and soil sampling methods used;
- The encountered subsurface conditions, including subsurface profiles, measured groundwater levels, and estimated geotechnical engineering properties, as necessary;
- The observed pavement layer materials and their thickness;
- Estimated normal seasonal high groundwater level;
- The laboratory test procedures performed, and the results obtained;
- A Roadway Soil Survey Sheet;
- Design LBR value using the FDOT Mean & 90% Methods;
- Recommendations for roadway design; and
- Signed and sealed boring sheets for the project plans.

Based on the scope of services outlined above, we propose to complete our work for a lump sum fee of **$7,412.50.** A fee schedule and staff hour estimate are attached. The fee above includes submittal of an electronic signed and sealed report. We will contact you immediately if we encounter subsurface conditions that could require the borings to be advanced to deeper depths, and/or if additional engineering analysis/evaluation outside the scope of this proposal is necessary.

Once authorization is received, a utility locate request will be submitted. We expect to mobilize our equipment to the site within 1 to 2 weeks of authorization, once the utilities have been located and marked. We anticipate the fieldwork will take 1 to 2 days to complete, weather permitting. Laboratory testing will take up to 1 week to complete depending on the amount of lab testing assigned. We plan to submit our engineering report within 3 weeks following completion of the field exploration.

We appreciate this opportunity to provide this proposal for your project. If you have any questions concerning this proposal, or if we can serve you in any other way, please contact us.

Sincerely,

MESKEL & ASSOCIATES ENGINEERING, PLLC

Marlon C. Verceles, E.I.
Staff Engineer

Maximilian Kemnitz, P.E.
Senior Geotechnical Engineer

Attachment: COJ Fee Summary Sheet

Distribution: Matt Maggiore, P.E. – England-Thims & Miller, Inc (ETM), Inc. (1) e-mail copy

PROPOSAL AUTHORIZATION
For Geotechnical Services
COJ – A. Philip Randolph Boulevard Extension
Jacksonville, Florida
MAE Proposal No. 260075

Billing Information:

Company Name: _____

Attention: _____
Company
Address: _____

Phone No.: _____ Email: _____

Project Contact Name:
(if different than above) _____

Additional Reports: Please List Below Any Additional Parties To Receive Reports.

1. _____

_____

No. of Reports Required:_____

2. _____

_____

No. of Reports Required:_____

NOTE: Our fee includes submittal of an electronic copy for each report. If bound paper copies are requested, the client will be charged $100 for each additional copy.

MAE invoices should be received by you by the _____ of each month (date required for your processing)

The Client representative named below has read the General Conditions that are attached and made a part of this proposal, and agrees to be bound to the terms of the General Conditions.

Name: _____ Title: _____

Signature: _____ Date: _____

Exhibit 1B

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

PART I - GENERAL	
1. Project DIA A. Philip Randolph Blvd Extension	**2. Proposal Number** 260075
3. Name of Consultant Meskel & Associates Engineering, PLLC	**4. Date of Proposal** 2/16/2026

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
MAT Principal Engineer	$ 75.32	0	$ 0.00	
MAT Senior Engineer	$ 73.80	2	$ 147.60	
MAT Engineer	$ 60.10	2	$ 120.20	
MAT Engineer Intern	$ 34.13	8	$ 273.04	
MAT Senior Engineering Technician	$ 34.00	2	$ 68.00	
MAT Engineering Technician	$ 26.00	2	$ 52.00	
MAT Technical Secretary	$ 26.95	2	$ 53.90	
MAT CADD/Computer Technician	$ 28.19	4	$ 112.76	
TOTAL DIRECT LABOR		22		$ 827.50
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	200	% x Total Direct Labor		$ 1,655.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 2,482.50
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 248.00

PART III - OTHER COSTS				
9. Miscellaneous Direct Costs				
Field Exploration				
209-Asphalt Pavement Coring - 4in dia with Base Depth Check	1	$275.00	$ 275.00	
401-Geo Auger Borings-H& & Truck/Mud Bug	36	$15.50	$ 558.00	
418-Geo Drill Crew Support Vehicle	0	$330.00	$ 0.00	
427-Geo Extra SPT Samples-Truck/Mud Bug 0-50 Ft	0	$75.00	$ 0.00	
428-Geo Extra SPT Samples-Truck/Mud Bug 50-100 Ft	0	$80.00	$ 0.00	
432-Geo Field Perm 0-10 Ft Open-End Borehole Method	0	$450.00	$ 0.00	
440-Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	36	$9.00	$ 324.00	
441-Geo Grout Boreholes- Truck/Mud Bug 50-100 Ft	0	$11.00	$ 0.00	
478-Geo SPT Truck/Mud Bug 0-50 Ft	0	$22.00	$ 0.00	
479-Geo SPT Truck/Mud Bug 50-100 Ft	0	$26.00	$ 0.00	
480-Geo SPT Truck/Mud Bug 100-150 Ft	0	$40.00	$ 0.00	
498-Geo Temp Casing 4in Truck/Mud Bug 0-50 Ft	0	$16.00	$ 0.00	
519-Geo Undisturbed Samples Truck/Mud Bug 0-50 Ft	0	$225.00	$ 0.00	
531-Geo Truck/Mudbug Drill Rig and Crew (2-person)	0	$325.00	$ 0.00	
612-Mobilization Drill Rig Truck Mount	1	$1,000.00	$ 1,000.00	
614-Mobilization Mudbug/All Terrain Vehicle	0	$1,100.00	$ 0.00	
Ground Penetrating Radar (Private Utilities), day	0	$2,000.00	$ 0.00	
Laboratory Testing				
805-Soils Corrosion Series FM 5-550 through 5-553	2	$310.00	$ 620.00	
810-Soils Limerock Bearing Ratio (LBR) FM 5-515	2	$500.00	$ 1,000.00	
811-Soils Liquid Limit AASHTO T89	0	$85.00	$ 0.00	
817-Soils Moisture Content Laboratory AASHTO T265	5	$26.00	$ 130.00	
819-Soils Organic Content Ignition FM 1 T-267	2	$75.00	$ 150.00	
822-Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	5	$125.00	$ 625.00	
826-Soils Plastic Limit & Plasticity Index AASHTO T90	0	$80.00	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 4,682.00
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 7,412.50
11. REIMBURSABLE COSTS (Limiting Amount)				
Other (Specify)			$ 0.00	
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 7,412.50**

June 29, 2026 – Revised

Mr. Matt Maggiore, P.E.
England-Thims & Miller, Inc.
14775 Old St. Augustine Road
Jacksonville, Florida 32258

Subject: Proposal for Geotechnical Exploration and Engineering Services
COJ – A. Philip Randolph Boulevard Mast Arm Signals
Jacksonville, Florida
MAE Proposal No. 260075.1

Dear Mr. Maggiore:

MESKEL & ASSOCIATES ENGINEERING, PLLC (MAE) is pleased to present this proposal to provide the geotechnical exploration and engineering services for the subject project. This proposal was requested by you via electronic correspondence on March 27, 2026. This correspondence detailed the scope of services and location of the proposed mast arm signals at A. Philip Randolph Boulevard in Jacksonville, Florida.

Based on the information provided, we understand that the project will include the design of two traffic signal mast arm foundations at the intersection of A. Philip Randolph Boulevard and Gator Bowl Boulevard. This scope is an addition to the previously proposed scope of services associated with the extension of A. Philip Randolph Blvd. and utility services (water, sewer, electric, and other customary utilities) to serve the adjacent museum parcel.

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 information provided, the following table summarizes the requested scope of services.

Test Location	Boring No. & Type	Test Depth ft below ground surface
Mast Arm Signals	2 SPT[1]	30

1. Standard Penetration Test (SPT)
2. Bulk samples will be collected for Corrosion Series testing for each Mast Arm.
3. Maintenance-of-Traffic will be required for each boring and is included in our fee.

The boring locations appear to be easily accessible with our truck-mounted drilling equipment. We will locate the borings using our hand-held GPS equipment, accurate to within 3 meters (+/- 10 feet), and will utilize adjacent landmarks. The borings will be performed in general accordance with ASTM D1586. Once the SPT borings are completed, they will be backfilled with grout and asphalt cold patch. We will take reasonable precautions to mitigate damage to property during our field exploration and will reasonably restore the site to a condition similar to that existing prior to the start of our fieldwork.

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 exception of signs and cones, as required. It should be noted that the presence of overhead and below grade utilities may require that the borings be offset a minimal distance from the

proposed structures.

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 under the oversight of a geotechnical engineer in general accordance with ASTM D2488.

Laboratory classification, soil index tests, 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 with regard to the proposed construction.

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 evaluation will be documented in a report that will include the following:

- Our understanding of the planned construction and general description of the project;
- The observed site conditions, such as topography, surface vegetation, pavement condition, etc. as they relate to the anticipated construction,
- A boring location plan detailing the location of each boring;
- Field exploration procedures and soil sampling methods used;
- The encountered subsurface conditions, including subsurface profiles, measured groundwater levels, and estimated geotechnical engineering properties, as necessary;
- 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;
- Estimated normal seasonal high groundwater level;
- The laboratory test procedures performed, and the results obtained;
- Recommendations for engineering design parameters for foundation/drilled shaft design; and
- The Environmental Substructure Classification of the tested samples at each mast arm foundation based on the soil corrosion test results, using Table 1.3.2-1 from the current FDOT Structures Design Guidelines;
- Signed and sealed boring sheets for the project plans.

Based on the scope of services outlined above, we propose to complete our work for a lump sum fee of **$12,817.71.** A fee schedule is attached. The fee above includes submittal of an electronic signed and sealed report. We will contact you immediately if we encounter subsurface conditions that could require the borings to be advanced to deeper depths, and/or if additional engineering analysis/evaluation outside the scope of this proposal is necessary.

Once authorization is received, a utility locate request will be submitted. We expect to mobilize our equipment to the site within 1 to 2 weeks of authorization, once the utilities have been located and marked. We anticipate the fieldwork will take 1 to 2 days to complete, weather permitting. Laboratory testing will take up to 1 week to complete depending on the amount of lab testing assigned. We plan to submit our engineering report within 2 weeks following completion of the field exploration.

We appreciate this opportunity to provide this proposal for your project. If you have any questions concerning this proposal, or if we can serve you in any other way, please contact us.

Sincerely,

MESKEL & ASSOCIATES ENGINEERING, PLLC

Daisy Pena-Ross
Staff Engineer

Maximilian Kemnitz, P.E.
Senior Geotechnical Engineer

Attachment: COJ Fee Summary Sheet

Distribution: Matt Maggiore, P.E. – England-Thims & Miller, Inc (ETM), Inc. (1) e-mail copy

Exhibit 1B

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

PART I - GENERAL	
1. Project DIA A. Philip Randolph Blvd Extension - Mast Arm Signals	**2. Proposal Number** 260075.1
3. Name of Consultant Meskel & Associates Engineering, PLLC	**4. Date of Proposal** June 29, 2026

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
MAT Principal Engineer	$ 75.32	0	$ 0.00	
MAT Senior Engineer	$ 73.80	2	$ 147.60	
MAT Engineer	$ 60.10	4	$ 240.40	
MAT Engineer Intern	$ 34.13	18	$ 614.34	
MAT Senior Engineering Technician	$ 34.00	4	$ 136.00	
MAT Engineering Technician	$ 26.00	4	$ 104.00	
MAT Technical Secretary	$ 26.95	2	$ 53.90	
MAT CADD/Computer Technician	$ 28.19	3	$ 84.57	
TOTAL DIRECT LABOR		37		$ 1,380.81
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	200	% x Total Direct Labor		$ 2,762.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 4,142.81
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 414.00

PART III - OTHER COSTS				
9. Miscellaneous Direct Costs				
Field Exploration				
209-Asphalt Pavement Coring - 4in dia with Base Depth Check	0	$275.00	$ 0.00	
401-Geo Auger Borings-H& & Truck/Mud Bug	0	$15.50	$ 0.00	
418-Geo Drill Crew Support Vehicle	0	$330.00	$ 0.00	
427-Geo Extra SPT Samples-Truck/Mud Bug 0-50 Ft	12	$75.00	$ 900.00	
428-Geo Extra SPT Samples-Truck/Mud Bug 50-100 Ft	0	$80.00	$ 0.00	
432-Geo Field Perm 0-10 Ft Open-End Borehole Method	0	$450.00	$ 0.00	
440-Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	60	$9.00	$ 540.00	
441-Geo Grout Boreholes- Truck/Mud Bug 50-100 Ft	0	$11.00	$ 0.00	
478-Geo SPT Truck/Mud Bug 0-50 Ft	60	$22.00	$ 1,320.00	
479-Geo SPT Truck/Mud Bug 50-100 Ft	0	$26.00	$ 0.00	
480-Geo SPT Truck/Mud Bug 100-150 Ft	0	$40.00	$ 0.00	
498-Geo Temp Casing 4in Truck/Mud Bug 0-50 Ft	0	$16.00	$ 0.00	
519-Geo Undisturbed Samples Truck/Mud Bug 0-50 Ft	0	$225.00	$ 0.00	
531-Geo Truck/Mudbug Drill Rig and Crew (2-person)	1	$325.00	$ 325.00	
612-Mobilization Drill Rig Truck Mount	1	$1,000.00	$ 1,000.00	
614-Mobilization Mudbug/All Terrain Vehicle	0	$1,100.00	$ 0.00	
MOT - Lane / Shoulder Closure, day	1	$2,500.00	$ 2,500.00	
Ground Penetrating Radar (Private Utilities), day	0	$2,000.00	$ 0.00	
Laboratory Testing				
805-Soils Corrosion Series FM 5-550 through 5-553	2	$310.00	$ 620.00	
810-Soils Limerock Bearing Ratio (LBR) FM 5-515	0	$500.00	$ 0.00	
811-Soils Liquid Limit AASHTO T89	0	$85.00	$ 0.00	
817-Soils Moisture Content Laboratory AASHTO T265	6	$26.00	$ 156.00	
819-Soils Organic Content Ignition FM 1 T-267	2	$75.00	$ 150.00	
822-Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	6	$125.00	$ 750.00	
826-Soils Plastic Limit & Plasticity Index AASHTO T90	0	$80.00	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 8,261.00
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 12,817.81
11. REIMBURSABLE COSTS (Limiting Amount)				
Other (Specify)		$	0.00	
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 12,817.81**

PROPOSAL AUTHORIZATION
For Geotechnical Services
COJ – A. Philip Randolph Boulevard Mast Arm Signals
Jacksonville, Florida
MAE Proposal No. 260075.1

Billing Information:

Company Name: _____

Attention: _____
Company
Address: _____

Phone No.: _____ Email: _____

Project Contact Name:
(if different than above) _____

Additional Reports: Please List Below Any Additional Parties To Receive Reports.

1. _____

_____

No. of Reports Required:_____

2. _____

_____

No. of Reports Required:_____

NOTE: Our fee includes submittal of an electronic copy for each report. If bound paper copies are requested, the client will be charged $100 for each additional copy.

MAE invoices should be received by you by the _____ of each month (date required for your processing)

The Client representative named below has read the General Conditions that are attached and made a part of this proposal, and agrees to be bound to the terms of the General Conditions.

Name: _____ Title: _____

Signature: _____ Date: _____

PROPOSAL DOCUMENT GENERAL CONDITIONS

1. SCOPE OF WORK

Meskel & Associates Engineering, PLLC (MAE) (MAE) shall perform the services limited to and specifically defined in this Agreement (including any Project Specific condition attached hereto) and shall invoice the Client in accordance with the compensation section of this Agreement. Any estimate of cost to the Client as stated in this Agreement or any of the accompanying schedules shall not be considered as a fixed price, but only an estimate (unless otherwise specifically stated in this Agreement). MAE will provide additional services under this Agreement as requested by the Client in writing subject to acceptance by MAE. Client will be invoiced for additional services at MAE's standard rates or as mutually agreed upon, including but not limited to, re-reviews, re-inspections, re-tests, stand-by time, scope changes, services outside normal business hours or services provided beyond the estimated project duration. To the extent these General Terms and Conditions are part of a proposal for services, the proposal shall be valid for ninety (90) days unless otherwise stated. Once a proposal is accepted, these General Terms and Conditions shall apply to all services performed and shall survive any termination of the Agreement or completion of services.

Notwithstanding any other provision of this Agreement or any other agreement entered into by MAE with respect to the Project, MAE shall not have control or charge of, and shall not be responsible for, construction means, methods, techniques, sequences or procedures, for safety precautions and programs in connection with work or activities at the project site, for the acts or omissions of any contractor, subcontractors or any other persons performing any work or undertaking any activities at the project site, or for the failure of any of them to carry out any work or perform their activities in accordance with their contractual obligations, including, but not limited to, the requirements of any drawings, specifications or other documents prepared by MAE (if any).

The review of contractor submittals (for example, shop drawings or project samples) is not included in MAE's Scope of Services unless specifically set forth in this Agreement. If such services are to be provided, the review is conducted only for the limited purpose of checking for conformance with information given and the design concept expressed in the construction drawings and specifications prepared by MAE (or by others if so set forth in the Agreement) and is not conducted for the purpose of determining the accuracy and completeness of details such as dimensions and quantities or for substantiating instructions for installation or performance of equipment or systems designed by the contractor, all of which remain the responsibility of the contractor to the extent required by its contract. MAE's review shall not constitute approval of safety precautions or of construction means, methods, techniques, sequences, or procedures. MAE's approval of a specific item shall not indicate approval of an assembly of which the item is a component. When professional certification of performance characteristics of materials, systems or equipment is required by the drawings, specifications, and other documents applicable to the contractor's obligations, MAE shall be entitled to rely upon such certification to establish that the materials, systems or equipment will meet the performance criteria required by the drawings, specifications and other documents prepared by MAE.

Neither site visits for any purpose nor the observation by MAE of any contractor's work are included in MAE's scope of services unless specifically set forth in this Agreement. If MAE is engaged to visit the site and conduct observations of a contractor's work, MAE shall provide such services at the intervals agreed with Client in writing (or if no such interval is agreed upon in writing, then at such intervals as MAE deems appropriate given any budgetary constraints imposed by Client), subject to any limitations on the number of such visits set forth in this Agreement. The general purpose of such observations is to become generally familiar with the progress and quality of the construction work as described in the drawings, specifications or other documents specifically identified in this Agreement and to determine, in general, if such construction work is proceeding in accordance with such drawings, specifications or other identified documents. MAE shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of such construction work. On the basis of such on-site observations as an engineer, MAE shall keep Client informed of the progress and quality of such construction work and shall endeavor to guard the Client against defects and deficiencies in such work of contractor.

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party, including the project owner (if not the Client) and any contractor, subcontractor, vendor, or material supplier, against either the Client or MAE.

2. RIGHT OF ENTRY

The Client, at its sole cost and expense, will provide for reasonable right of entry of MAE personnel to perform the scope of work and all necessary equipment to the project site or sites, in order to complete the work.

3. INVOICES

MAE will submit invoices to Client monthly and a final bill upon completion of services. There shall be no retainage, unless otherwise agreed upon in the Agreement. MAE shall furnish insurance certificates, lien waivers, affidavits, or other reasonably available documents as and when requested by Client provided all amounts due to MAE have been paid.

Payment is due within thirty (30) days after the receipt of the invoice. MAE shall be entitled to recover any and all costs incurred, including attorneys' fees ("Collection Costs") in connection with its efforts to collect past due sums. The minimum amount of such Collection Costs is agreed to be the lesser of (1) ten percent (10%) of the past due amount or (2) the maximum amount allowed by law. Any attorney's fees, collection fees or other costs incurred in collecting any delinquent amount shall be paid by Client. The Client agrees to pay MAE for its services in accordance with this Agreement, regardless of whether or not he has been paid by his client.

In the event that the Client disputes any items billed in an invoice, the Client shall notify MAE within ten (10) days specifying the complaint and, in the meantime, all amounts to which there is not a reasonable and good faith dispute to payment shall be paid promptly. Any dispute not raised within such ten (10) day period is waived. The Client's failure to make timely payment due under this Agreement in accordance with the terms of this Agreement shall constitute a material breach of this Agreement and MAE shall be entitled, upon seven (7) days written notice to Client to terminate this Agreement or, at its option, suspend its performance until all sums then due under this Agreement have been paid.

If MAE is called upon by Client, or subpoenaed by any other person, to testify or produce records in an action at law, equity, arbitration, or in a pre- trial hearing or conference, as to any work performed by anyone in connection with the Project, MAE shall be paid by the Client for all time spent while testifying and preparing therefor and producing such records in accordance with the rates set forth in the attached Agreement.

4. SAFETY

MAE is only responsible for the safety on site of its own employees and subcontractors. However, this shall not be construed to relieve the Client or any of its contractors from their responsibilities for maintaining a safe jobsite. Neither the professional activities of MAE, nor the presence of MAE's employees and subcontractors shall be construed to imply MAE has any responsibility for job safety or any activities on site performed by personnel other than MAE's employees or subcontractor.

5. STANDARD OF CARE

Service performed by MAE under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the location where the services are to be performed ("Standard of Care").

Notwithstanding anything in this Agreement to the contrary, MAE shall only be liable to pay damages to Client arising out of or in connection with the Services or this Agreement, to the extent that such damages are caused by, and are in proportion to, the negligence of, or breach of the Standard of Care by, MAE. Client acknowledges that MAE's services will be rendered without any warranty, express or implied and all such warranties are expressly waived by Client.

6. INSURANCE

MAE represents that it and its agents, staff and consultants employed by it are protected by worker's compensation insurance and that MAE has insurance coverage under public liability and property damage insurance policies. MAE shall, at its own cost and not as a reimbursable expense, secure and maintain insurance policies as required. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Additional insurance, if requested in writing by Client prior to commencement of services, will be obtained by MAE, if procurable, and charged to the Client.

The Client shall cause any contractor responsible for the construction of work (or related activities) designed, specified or reviewed by MAE or responsible for any other activities relating to MAE's services, to hold harmless, indemnify and defend MAE, to the fullest extent permitted by law, from and against any and all damages, liabilities, claims, suits, costs and expenses (including reasonable attorney's fees and other costs of investigation and defense) arising in connection with the negligence, breach of contract or strict liability of any contractor or any of their subcontractors or any of their vendors. Client shall also name, and cause such contractor(s) to name, MAE as additional insureds on its and each such contractor's Commercial General Liability insurance policy and Umbrella/Excess liability insurance policy (with policy limits at the greater of the limits required for the Project or Five Million Dollars per occurrence and in the per project aggregate) and to maintain such coverage until the completion of its contract and to provide MAE with a Certificate of Insurance so naming MAE as an additional insured on an annual basis for so long as Client and/or contractor maintains or is obligated to

maintain such coverage.

7. DISPUTES

All claims, disputes, controversies or matters in question arising out of, or relating to, this Agreement or any breach thereof, including but not limited to disputes arising out of alleged design defects, breaches of contract, errors, omissions, or acts of professional negligence, (collectively "Disputes") shall be governed by Florida law and shall be submitted to non- binding mediation before and as a condition precedent to pursuing any other remedy. Upon written request by either party to this Agreement for mediation of any dispute, Client and MAE shall select a neutral mediator by mutual agreement. If a Dispute cannot be settled through mediation as set forth above, then such Dispute, shall be decided by litigation. Notwithstanding any other provisions of this Section, in no event shall a demand for mediation be made, or any other proceeding initiated, more than two (2) years from the date the party making demand knew or should have known of the dispute or five (5) years from the date of substantial completion of MAE's Services, whichever date shall occur earlier. All mediation or litigation shall take place in Duval County, Florida, unless the parties agree otherwise. The fees of the mediator and the costs of transcription and other costs incurred by the mediator shall be apportioned equally between the parties. Thereafter, if any legal action or other proceeding is brought with respect to such Dispute, the successful or prevailing party or parties shall be entitled to recover reasonable attorneys' fees, costs, and expenses, incurred in that action or proceeding, in addition to any other relief to which such party or parties may be entitled.

8. DELAYS IN WORK

In no event will MAE be responsible for delays in the work which are beyond our reasonable control or caused by Client or its agents, consultants, contractors, or subcontractors. Stand-by or non-productive time for delays in our work caused by Client or its agents, consultants, contractors, or subcontractors may be charged to the Client unless provided for as a separate item in the Agreement or otherwise as mutually agreed upon.

9. TERMINATION

This Agreement may be terminated by either party upon thirty (30) days written notice in the event of substantial failure by the other party to perform in accordance with the terms of the Agreement. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In all events of termination, MAE shall be paid for services performed up to and through the date of termination plus reasonable expenses to demobilize. In the event of termination, or suspension for more than three (3) months, MAE shall, at its option, be permitted to terminate this Agreement upon seven (7) days written notice to Client. Further, if said termination is prior to MAE's completion of all reports contemplated by this Agreement, MAE may complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to date of notice of termination or suspension. The expenses of termination or suspension shall include all direct costs of MAE in completing such analyses, records, and reports and shall be due and payable by Client promptly upon invoice from MAE, together with all reasonable termination costs and expenses.

10. ASSIGNS

This Agreement may not be assigned by either party without the prior written consent of the other party, provided, however, that MAE may assign this Agreement in the case of sale of all or substantially all of its assets or equity. To the extent consent is required it shall not be unreasonably withheld.

11. OWNERSHIP OF DOCUMENTS

All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by MAE, as instruments of service, shall remain the property of MAE and shall retain all common law, statutory and other reserved rights, including copyrights ("MAE Documents"). Contingent on the Client's full and timely payment of all sums due under this Agreement, MAE grants Client a non-exclusive license to use the final and complete versions of the MAE Documents solely and exclusively for purposes set forth in this Agreement. The forgoing license does not extend to any CADD files or 3D model created by MAE, unless expressly set forth herein. If MAE Documents are prepared "for construction", the license granted in the preceding sentences of this Paragraph permits the Client to authorize the contractor and subcontractors, and material or equipment suppliers to reproduce applicable portions of MAE Documents solely and exclusively for use in performing their services or construction for the Project. MAE Documents shall only be used for their intended purpose. MAE Documents are not to be used on other projects, for alternations, extensions, or additions to this Project or for completion of this Project by others, except by agreement in writing and with appropriate compensation to MAE. If Client is granted a license with respect to any CADD files or 3D models, Client agrees to be bound to the terms of the MAE License for Use of Electronic Files and 3D Models. Client agrees that all reports and other work furnished to the Client or his agents, which are not paid for, will be returned upon demand, and will not be used by the Client for any purpose whatsoever. MAE will retain all pertinent records relating to the services performed for a period of three (3) years following submission of the report, during which period the records will be made available to the Client at all reasonable times and an administrative fee may be charged to the Client for retrieval and reproduction of such records.

Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by MAE, the hardcopy shall govern. Because data stored in electronic media format can deteriorate or be modified without MAE's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

12. FAILURE TO FOLLOW RECOMMENDATIONS

MAE will not be held liable for problems that may occur if MAE's recommendations are not followed.

13. LIMITATION OF LIABILITY

Client agrees that the work created pursuant to this Agreement is for the sole and exclusive use of Client and is not for the benefit of any third parties. Client acknowledges and agrees that in no event shall the liability of MAE in connection with this Agreement or the services provided pursuant thereto exceed the fee actually paid to and received by MAE under this Agreement or $50,000 whichever is greater. This Agreement and the services to be performed hereunder shall in no way be construed as a guarantee of deficient-free construction.

Notwithstanding anything to the contrary contained in this Agreement or provided for under any applicable law, neither MAE nor Client shall be liable to the other party, either in contract or in tort, for any consequential, incidental, indirect, special or punitive damages, including without limitation any delays damages, loss of future revenue, income or profits or any diminution of value, financing costs or costs of lost opportunities relating to this Agreement, the services or the Project, whether or not the possibility of such damages has been disclosed to the other party in advance or could have been reasonably foreseen by such other party. If MAE is considered to be liable jointly with any third parties, the portion of damages payable by MAE shall be limited to the portion of liability which is attributable to MAE's breach of the Standard of Care on a comparative fault basis.

14. INDEMNIFICATION

Client agrees, to the fullest extent permitted by law, to indemnify, defend and hold harmless MAE, and its officers, directors, agents and employees and any of them (collectively, the "MAE Parties") from all claims, actions, damages, liabilities, losses, costs and expenses, including reasonable attorney's fees and defense costs (collectively "Losses"), arising out of, or in any way connected with, the performance or nonperformance of MAE's obligations under this Agreement (including, without limitation, any act of negligence, omission or default by the MAE Parties), up to an amount not to exceed the greater of $50,000 or the amount of the fees charged for the services provided by MAE in connection with this Agreement and the services hereunder. The parties agree that the foregoing amount of said indemnification bears a reasonable commercial relationship to the services provided by MAE and that the indemnification provided herein is considered a part of the project specifications. Notwithstanding the foregoing, the MAE Parties shall not be entitled to indemnification hereunder for any Losses resulting from the MAE Parties' gross negligence, or willful, wanton or intentional misconduct or for any statutory violation or punitive damages (except to the extent the statutory violation or punitive damages are caused by or result from the acts or omissions of Client or any of the Client's contractors, subcontractors, sub- subcontractors, materialmen or agents of any tier or their respective employees). Except as set forth in the preceding sentence, the MAE Parties rights to indemnification shall include, without limitation, indemnification for any and all Losses which may be suffered by any MAE Party as a result of any (i) failure of Client to follow or implement any of its recommendations, (ii) any breach by Client of its obligations under the Agreement, and (iii) exposure of MAE's employees or agents to any hazardous materials at the jobsite.

Upon notice by the MAE Parties, Client shall defend the MAE Parties with counsel chosen by MAE Parties, subject to the consent of Client, which consent shall not be unreasonably withheld. The parties agree that this duty to defend is separate and distinct from any indemnity obligation, and the duty shall extend to any claims asserted against the MAE Parties arising out of or related to the project, regardless of whether Client is obligated to indemnify the MAE Parties for the loss, claim, or damage.

15. HAZARDOUS MATERIALS

It is acknowledged by both parties that MAE's scope of services does not include any services related to asbestos or hazardous or toxic materials unless specifically identified in our scope of services. In the event MAE or any other party encounters asbestos or hazardous materials at the jobsite, or should it become known in any adjacent areas that may affect the performance of MAE's services, MAE may, without liability for consequential or any other damages, suspend performance of services on the project until the Client retains appropriate specialist consultants or contractors to identify, abate and/or remove the asbestos, hazardous or toxic materials and warrant that the jobsite is in full compliance with applicable laws and regulations. In addition, the Client shall hold harmless, defend and indemnify MAE Parties, from and against any and all Claims arising, in whole or in part, out of the discovery, presence, handling, removal or disposal of, or exposure of persons to, any hazardous materials in any form at the Project site, including, but not limited to, asbestos, asbestos products, polychlorinated biphenyl

(PCB), bacteria, mold, fungi, lead based paints or other similar materials or other toxic substances, infectious materials, or contaminants.

16. NON-HAZARDOUS SAMPLE DISPOSAL

Unless other arrangements are made, MAE will dispose of all soil and rock samples remaining at the time of report completion. MAE will store test samples and specimens, or the residue thereof, for up to 90 days free of charge at Client's prior written request. Additional storage time may be obtained at a mutually agreeable cost. Client acknowledges that contaminated drill cuttings, sample spoils, wash water, and other materials may be produced as a result of encountering hazardous materials at the site. In such an event, MAE shall properly contain, label, and store such materials on- site, and Client shall be responsible for its proper transportation and disposal.

17. AQUIFER CONTAMINATION

Client acknowledges that it is impossible for MAE to know the exact composition of a site's subsurface, even after conducting a comprehensive exploratory program. As a result, there is a risk that drilling and sampling may result in contamination of certain subsurface areas. Although MAE will take reasonable precautions in accordance with the Standard of Care to avoid such an occurrence, Client waives any claim against, and (without limiting the generality of Section 14 hereof) agrees to indemnify and hold harmless MAE in accordance with the terms and conditions set forth in this Agreement from any claim or liability for injury or loss which may arise as a result of subsurface contamination caused by drilling, sampling, or monitoring well installation. Client also agrees to adequately compensate MAE for any time spent and expenses incurred in defense of any such claim.

18. DAMAGE TO EXISITNG MAN-MADE OBJECTS

It shall be the responsibility of the Client, property Owner or his duly authorized representative to disclose the presence and accurate location of all hidden or obscure man-made objects relative to field tests, sampling, or boring locations. When cautioned, advised or given data in writing that reveals the presence or potential presence of underground or overhead obstructions, such as utilities, MAE will give special instructions to its field personnel. As evidenced by your acceptance of this proposal, Client agrees to indemnify and save harmless MAE from all claims, suits, losses, personal injuries, death and property liability resulting from unusual subsurface conditions or damages to subsurface structures, owned by Client or third parties, occurring in the performance of the proposed work, whose presence and exact locations were not revealed to MAE in writing, and to reimburse MAE for expenses in connection with any such claims or suits, including reasonable attorney's fees.

19. DEFINITIONS

As used herein, the following words and their derivative words or phrases have the meanings indicated, unless otherwise specified in the various sections of this Agreement.

AGREEMENT: means the Agreement between the parties, which shall describe and govern Client's engagement of MAE to provide services in connection with the project or work identified in the proposal (Proposal), and consists of the Proposal, these General Terms and Conditions, and any exhibits or attachments referenced in any of these documents.

CERTIFY, CERTIFICATION: MAE's opinion is based on its observation of conditions, knowledge, information and beliefs. It is expressly understood such opinions relieve no other party of any responsibility or obligation he or she has accepted by contract or custom.

ESTIMATE: An opinion of probable cost for services made by MAE. The accuracy of probable cost for services opinion cannot be guaranteed.

INSPECT, INSPECTION: The visual observation of certain aspects of construction to permit MAE to render its professional opinion as to whether the contractor is performing the Work in a manner indicating that, when completed, the Work will be in general accordance with the approved documents. Such observations do not relieve any party from fulfillment of their customary and contractual responsibilities and obligations.

20. NO PERSONAL LIABILITY

It is intended by the parties to this Agreement that MAE's services under this Agreement shall not subject MAE's individual employees, officers, shareholders, managers, members, or directors to any personal legal exposure for the risks associated with the services to be rendered on the project. Therefore, and notwithstanding anything to the contrary contained herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand, or suit shall be directed and/or asserted only against MAE, a Florida limited liability company, and not against any of MAE's employees, officers, managers, members, or directors.

TO THE FULLEST EXTENT PERMITTED BY LAW, PURSUANT TO FLORIDA STATUTE § 558.0035, NO EMPLOYEE, OFFICER, MANAGER, DIRECTOR, OR AGENT OF MAE SHALL BE INDIVIDUALLY LIABLE TO CLIENT OR ANY OTHER PERSON FOR ANY NEGLIGENCE, MISCONDUCT OR WRONGFUL ACTS IN CONNECTION WITH THE PERFORMANCE OF SERVICES UNDER THIS AGREEMENT OR OTHERWISE, WHETHER SUCH CLAIMS ARE BASED IN CONTRACT, STATUTE, OR TORT.

21. FORCE MAJEURE/COVID.

Neither party shall be responsible for its failure to perform due to causes beyond its reasonable control, by way of example, and not in limitation, fire, act of God, governmental act, national emergency, strike, labor dispute, unusual delay in transportation, inability to procure materials, adverse weather conditions not reasonably anticipatable, unavoidable casualties, state or national emergencies, including the occurrence of any epidemic or pandemic, including coronavirus and the like or any other causes beyond Architect's or Owner's reasonable control. Architect and Owner shall each exercise their respective commercially reasonable efforts to mitigate the cause of any such force majeure delay, interruption, suspension, or termination and work together to mutually determine going forward strategies including schedule concerns.

22. MISCELLANEOUS

AMENDMENT: This Agreement may be amended, modified, or supplemented, but only in writing signed by each of the parties hereto.

WAIVERS: The failure of a party hereto at any time or times to require performance of any provision hereof shall in no manner affect its right at a later time to enforce the same. No waiver by a party of any condition or of any breach of any term contained in this Agreement shall be effective unless in writing and signed by the waiving party, and no waiver in any one or more instances shall be deemed to be a continuing waiver of any such condition or breach in other instance or a waiver of any other condition or breach of any other term.

SEVERABILITY: If any provision or sub-provision of this Agreement is or becomes invalid, illegal, or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions or sub-provisions contained herein shall not be affected thereby.

INTEGRATION: This Agreement represents the entire understanding and agreement among the parties with respect to the subject matter hereof, and supersedes all other negotiations, understandings, and representations (if any) made by and among such parties.

SOVEREIGN IMMUNITY: In the event that the Client is the State of Florida or another "state agency or subdivision" within the meaning of Florida Statute Section 768.28(2), then MAE (and all MAE Parties) shall for all purposes provided in this Agreement and otherwise be deemed an agent of the Client for purposes of sovereign immunity whether under Florida Statute Section 768.28 and otherwise, including without limitation Florida Statute Section 768.28(9)(a). Client shall fully cooperate, at its sole cost and expense, with MAE and take all necessary and appropriate actions to qualify MAE (and the MAE Parties) for and defend its and their right of sovereign immunity as an agent of the Client for purposes of Florida law, including without limitation under Florida Statute §768.28.

MAE Employees: Client agrees not to recruit or hire any MAE employee currently or previously working under this Agreement during the contract period or within twelve months of termination of the contract, either for themselves or any third party. In the event Client violates this clause, MAE shall have the right of injunctive relief, and Client shall pay MAE $25,000 or 25% (percent) of the employee's current annual base salary, whichever is greater, with payment being made within 15 days of MAE's written notice to Client of said violation.