

AGREEMENT

PINELLAS COUNTY GOVERNMENT IS COMMITTED TO PROGRESSIVE PUBLIC POLICY, SUPERIOR PUBLIC SERVICE, COURTEOUS PUBLIC CONTACT, JUDICIOUS EXERCISE OF AUTHORITY AND SOUND MANAGEMENT OF PUBLIC RESOURCES, TO MEET THE NEEDS AND CONCERNS OF OUR CITIZENS TODAY AND TOMORROW.

**NON-CONTINUING PROFESSIONAL SERVICES AGREEMENT**

RFQ TITLE: McMullen Booth Road Bridge North Bound Off-Ramp Over Lake Tarpon Outfall Canal

RFQ CONTRACT NO. 25-0196-RFP-CCNA

COUNTY PID NO. 003879D

NON-CONTINUING FIRM: Kisinger Campo & Associates, Corp.

AGREEMENT

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SECTION 1 - INTENT OF AGREEMENT

AGREEMENT FOR PROFESSIONAL **ENGINEERING SERVICES FOR PUBLIC WORKS DEPARTMENT**

This Agreement entered into on the **Click or tap to enter a date**. between Pinellas County, a political subdivision of the state of Florida, hereinafter referred to as the County, represented by its board of County commissioners, and Kisinger Campo & Associates, Corp, with offices in Tampa, hereinafter referred to as the consultant.

WITNESSETH, that:

WHEREAS, Pinellas County, herein referred to as the County, requires Engineering services associated with support to develop plans and specifications and perform all other professional engineering services as may be required during the construction of McMullen Booth Road Bridge North Bound Off-Ramp Over Lake Tarpon Outfall Canal Pinellas County, Florida

WHEREAS, the County desires the Consultant provide professional engineering services requisite to the development of the project; and

WHEREAS, the consultant has expressed the willingness and ability to provide the aforementioned Services; and

NOW THEREFORE, the County and the consultant, in consideration of the mutual covenants hereinafter set forth, agree as follows:

AGREEMENT**SECTION 2 - SCOPE OF PROJECT****1. PROJECT DESCRIPTION AND PROFESSIONAL REQUIREMENTS**

For the purposes of this Agreement the term project shall include all areas of proposed improvements, all areas that may reasonably be judged to have an impact on the project, and all project development phases and the services and activities attendant thereto. It is not the intent of this Agreement to identify the exact limits or details involved in providing satisfactorily completed project construction documents. The Consultant shall provide the following professional services to prepare construction plans, specifications, and complete applications for and receive all federal, state, and local permits required for construction of the project. The project design shall be based on the following data: Exhibit A – Scope of Services attached and incorporated herein as referenced.

Plans shall be prepared in accordance with Civil 3D Pinellas County Requirements.

Required Deliverables

- Civil 3D file (eTransmit) of construction plans and for each transmittal phase. The plans shall be provided electronically, plus 2 paper prints signed and sealed by a Professional Engineer certified in the State of Florida.
- All technical specifications required for construction of project.

2. PROJECT PHASES

All project phases shall be completed on or before the milestone dates provided in the County approved project design schedule referenced in Exhibit A.

3. CONSULTING RESPONSIBILITIES

- A. It is the intention of the County that the consultant is held accountable for its work, including checking and plans review, and that submittals are complete.
- B. The consultant shall be responsible for the accuracy of the work and shall promptly correct its errors and omissions without additional compensation. Acceptance of the work by the County will not relieve the consultant of the responsibility for subsequent correction of any errors and the clarification of any ambiguities.
- C. The consultant represents that it has secured or will secure all personnel necessary to complete this Agreement; none of whom shall be employees of or have any contractual relationship with the County. Primary liaison with the County will be through the consultant's project manager. All of the services required herein will be performed by the consultant or under the consultant's supervision, and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under law to perform such services.
- D. The Consultant shall endorse all reports, calculations, contract plans, and survey data. Services shall be prepared under the direction of an engineer registered in the State of Florida and qualified in the required discipline. Products or services performed or checked shall be signed and sealed by the Consultant's Florida registered engineer.
- E. The consultant shall be responsible for the preparation of a project design schedule, which shows a breakdown of all tasks to be performed, and their relationship in achieving the completion of each phase of work. A bar chart schedule showing overall project time frames should also be prepared. These schedules must be submitted for County approval within 10 days of the initial project notice to proceed. These schedules will be used to verify consultant performance in relationship to fees claimed and to allow the County's project manager to monitor the consultant's efforts. The consultant shall be responsible for any updates to these schedules and for documenting in writing to the County any major deviations in the actual versus estimated project time frames.
- F. The consultant shall respond, in writing, to all review comments made by the County, within 10 days of their receipt, and shall incorporate appropriate design adjustments resulting from the review exchange into the project, in the next scheduled submittal.

4. GENERAL DESIGN CONDITIONS

1. The Consultant shall coordinate and solicit appropriate input, with the knowledge of the County.
2. All design data, plans, and drawings shall be delivered electronically and or on travel drives formatted to .DXF or .DWG utilizing Civil 3D 2012 or later; as well as providing reproducible hard copies of plans and drawings.

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All specification and other documents shall be delivered electronically and or on two travel drives, Microsoft Word & Excel format as required, as well as the reproducible hard copies.

3. One 1 original and 9 copies of all deliverables are required unless specific submittal requirements are specified elsewhere in this Agreement.
4. The Consultant shall develop acceptable alternates to any and all design recommendations that may be declared unacceptable.

5. GOVERNING SPECIFICATIONS REGULATIONS AND PERTINENT DOCUMENTS

1. The project shall be designed by the Consultant in accordance with applicable industry standards. The Consultant shall be responsible for utilizing and maintaining current knowledge of any laws, ordinances, codes, rules, regulations, standards, guidelines, special conditions, specifications, or other mandates relevant to the project or the services to be performed.

2. The Contractor and their Subcontractor(s) must register with and use the E-verify system in accordance with Florida Statute 448.095. The County will verify the work authorization of the Contractor and Subcontractor. A Contractor and Subcontractor may not enter into a contract with the County unless each party registers with and uses the E-verify system.

If a Contractor enters a contract with a Subcontractor, the Subcontractor must provide the Contractor with an affidavit stating that the Subcontractor does not employ, contract with, or subcontract with unauthorized aliens. The Contractor must maintain a copy of the affidavit for the duration of the contract.

If the County, Contractor, or Subcontract has a good faith belief that a person or entity with which it is contracting has knowingly violated Florida Statute 448.09(1) they shall immediately terminate the contract with the person or entity.

If the County has a good faith belief that a Subcontractor knowingly violated this provision, but the Contractor otherwise complied with this provision, the County will notify the Contractor and order that the Contractor immediately terminate the contract with the Subcontractor.

A contract terminated under the provisions of this section is not a breach of contract and may not be considered such. Any contract termination under the provisions of this section may be challenged to Section 448.095(2)(d), Florida Statute. Contractor acknowledges upon termination of this agreement by the County for violation of this section by Contractor, Contractor may not be awarded a public contract for at least 1 year. Contractor acknowledges that Contractor is liable for any additional costs incurred by the County as a result of termination of any contract for a violation of this section.

Contractor or Subcontractor shall insert in any subcontracts the clauses set forth in this section, requiring the subcontracts to include these clauses in any lower tier subcontracts. Contractor shall be responsible for compliance by any Subcontractor or Lower Tier Subcontractor with the clause set for in this section.

3. Supplier acknowledges and warrants that all digital content and services provided under this contract conforms and shall continue to conform during the Term of this Agreement to the W3C Web Content Accessibility Guidelines, version 2.0 ("WCAG 2.0") at conformance Level A and AA. If all digital content and services does not fully conform to WCAG 2.0 A and AA, Supplier shall advise Pinellas County in writing of the nonconformance prior to execution of this Agreement and shall provide Pinellas County a plan to achieve conformance to WCAG 2.0 A and AA, including but not limited to, an intended timeline for conformance. Failure to achieve conformance, as determined in Pinellas County's sole discretion, on its intended timeline shall be considered a material breach of this Agreement and grounds for termination by Pinellas County.

If during the Term of this Agreement, Supplier fails to maintain compliance with WCAG 2.0 A and AA or Pinellas County otherwise identifies an issue related to accessibility of the product (the "Accessibility Issue") that renders the product inaccessible, then Pinellas County shall notify Supplier of non-compliance. Within 30 days of Supplier's receipt of a non-compliance notice ("Notice"), Supplier and Pinellas County shall meet and mutually agree upon an appropriate timeline for resolution of the Accessibility Issue(s) ("Initial Meeting").

Should Supplier:

- i. fail to acknowledge receipt of the notice within 30 days of receipt of the Notice;
- ii. unreasonably and solely withhold agreement regarding a timeline for resolution for more than 30 days following the Initial Meeting; or

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iii. fail to materially resolve the Accessibility Issue(s) within the agreed-upon timeline,

Failure to comply with the requirements of this section shall constitute a material breach of this Agreement and shall be grounds for termination of this Agreement.

SECTION 3 - SERVICES TO BE FURNISHED BY THE CONSULTANT**1. SERVICES**

A. SEE EXHIBIT A – SCOPE OF SERVICES.

2. BIDDING PHASE

The Consultant shall prepare with the county's assistance the necessary bidding information, bidding forms, the conditions of the Contract, and the form of Agreement between the county and the contractor. The Consultant also, shall bear the cost of 2 complete sets of documents (plans and specifications), 2 of which shall be signed and sealed by the consultant as original record sets for the project. Each sheet in the 2 construction plans print sets shall be signed, sealed and dated. The title sheet only of the 2 specifications sets shall be signed, sealed, and dated. Additionally, any required addenda shall be signed, sealed, and dated.

1. The Consultant, following the county's review of the construction documents and of the latest statement of probable construction cost, shall be available to assist the county in obtaining bids, and in preparing and awarding construction contracts for each bid package. The Consultant shall assist conducting pre-bid conferences and shall prepare a bid tabulation spreadsheet following receipt of bids.
2. If the advertisement for bids has not commenced within 60 days after the consultant submits the approved construction documents to the county, any fixed limit of construction cost established as a condition of this agreement shall be adjusted to reflect any change in the general level of prices which may have occurred during that period of time in construction industry. The adjustment shall reflect changes between the date of submission of the construction documents to the county and the date on which the advertisement for bids occurred.
3. The Consultant shall prepare any required addenda to construction plans and specifications on the project during the bidding phase affecting the consultant's plans and specifications. The Consultant shall also provide any addenda during the construction phase in sufficient quantity to distribute to all necessary parties as determined by the county. Addenda material shall be placed in envelopes by the consultant for mailing by the county. The consultant shall also furnish certified mail receipt material and prepare mailing labels. The county shall mail all addenda.

3. CONSTRUCTION PHASE

All contact and/or communication from the Consultant to the Contractor shall be coordinated with the knowledge of the County.

A. Construction Consultation Services

1. Processing, review, approval and distribution of shop drawings, product data, samples and other submittals required by the Contract Documents.
2. Maintenance of master file of submittals with duplicate for County.
3. Construction Field Observation Services consisting of visits to the site as frequent as necessary, but not less than once every week, to become generally familiar with the progress and quality of the work and to determine in general if the work is proceeding in accordance with the Contract Documents and prepare related reports and communications. Provide written report of each visit. This field observation requirement shall include any sub-consultants at appropriate construction points.
4. Review for comment or approval any and all proposal requests, supplemental drawings and information.
5. Review for correctness Contractors pay requests for the County.
6. Prepare, reproduce and distribute supplemental drawings, specifications and interpretations in response to requests for clarification by the Contractor or the County as required by construction exigencies. Response to any request must be received by the County within 24 hours of request, or the next available working day when the request is prior to a weekend or holiday.
7. Review, upon notice by the Contractor that work is ready for final inspection and acceptance.
8. Notify the County of any deficiencies found in follow-up reviews.

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9. Evaluate all testing results and make recommendations to the County.
10. Assist in the establishment by the County of programs of operation and maintenance of the physical plant and equipment.
11. Arrange for and coordinate instructions on operations and maintenance of equipment in conjunction with manufacturer's representatives.
12. Prepare an operation and maintenance manual for the County's use.
13. The Consultant shall visit the project as necessary, but at a minimum of 3-month, 6 month and upon construction completion in order to certify that the permit conditions have been met satisfactorily. This shall not relieve the Consultant of other needed visits to the project should specific issues arise.
14. Assistance in the training of the facility operation and maintenance personnel in proper operations, schedules, procedures and maintenance inventory.
15. Prepare as-built record drawings, based on information furnished by the Contractors including significant changes in the work made during construction. The Consultant will provide 1 set of signed and sealed prints and 1 CADD disk of the as-built record construction documents.
16. Transmit certified as-built record drawings and general data, appropriately identified, to the County within 30 days following completion of construction.
17. Consult with, and recommend solutions to, the County during the duration of warranties in connection with inadequate performance of materials, systems, and equipment under warranty.
18. Review facilities or equipment prior to expiration of warranty period(s) to ascertain adequacy of performance, materials, systems and equipment.
19. Document noted defects or deficiencies and assist the County in preparing instructions to the Contractor for correction of noted defects.
20. The Contractor shall provide the Consultant with all the required projects close out material for Consultant's use in the warranty period services.
21. The Contractor shall have prime responsibility in the warranty period for all services herein. The Consultant shall assist, consult, observe review and document as noted.

4. PROVISIONS RELATED TO ALL PHASES

1. The Consultant will investigate and confirm in writing to the County, to the best of the Consultant's knowledge, conformance with all applicable local public and utility regulations.
2. The Consultant will coordinate work designed by various disciplines.
3. The Consultant shall submit to the County design notes and computations to document the design conclusions reached during the development of the construction plans.
 - a. 5 copies of the design notes and computations shall be submitted to the County with the design development review plans. When the plans are submitted for final review, the design notes and computations corrected for any County comments shall be resubmitted. At the project completion, a final set of the design notes and computations, properly endorsed by the Consultant, shall be submitted with the record set of plans and tracings.
 - b. The design notes and calculations shall include, but not be limited to, the following data:
 - 1) Design criteria used for the project.
 - 2) Roadway geometric calculations
 - 3) Structural calculations.
 - 4) Drainage calculations.
 - 5) Traffic design calculations
 - 6) Traffic control calculations

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- 7) Calculations as required by provisions of the Florida Energy Conservation Manual (Department of General Services), latest revision.
- 8) Calculations showing probable cost comparisons of various alternatives considered.
- 9) Documentation of decisions reached resulting from meetings, telephone conversations or site visits.
- 10) Other project-related correspondences as appropriate.

4. Each set of plans for the project shall be accurate, legible, complete in design, suitable for bidding purposes and drawn to scales acceptable to the County. The completed plans shall be furnished on reproducible material and in a format, which is acceptable to the County.
5. The Consultant shall make such reviews, visits, attend such meetings and conferences and make such contacts as are necessary for the proper preparation of plans and specifications for the project.
6. The County in no way obligates itself to check the Consultant's work and further is not responsible for maintaining project schedules.
7. Other Consultant responsibilities shall be as listed below:
 - a. Provide necessary sealed drawings to obtain building permits or any utility permit.
 - b. Assist the County in Contractor claims and/or litigation.
 - c. Review the Adequacy and completeness of documents submitted by the Contractor to protect the County against claims by suppliers or third parties.
8. The Consultant must be familiar with the intent, thoroughness, safety factors and design assumptions of all structural calculations.
9. All work prepared and/or submitted shall be reviewed and checked by a Consultant (Architect/Engineer) registered in Florida. All plans shall be signed and sealed by the Professional Consultant in responsible charge.

5. PERMIT APPLICATIONS AND APPROVALS

1. The Consultant shall prepare all permit applications, data and drawings required for submittal by the County for approval of local, state and federal agencies.
2. The Consultant shall, at no additional cost to the County, make all reasonable and necessary construction plans revisions required to obtain the necessary permit approvals for construction of the project.
3. For the purpose of ensuring the timely approval of all permits necessary for the construction of the project, the Consultant shall schedule the necessary contacts and liaison with all agencies having permit jurisdiction over the project, and shall furnish, on a timely basis, such plans, data and information as may be necessary to secure approval of the required permits.

6. COORDINATION WITH UTILITY SERVICES AND AFFECTED PUBLIC AGENCIES

1. The requirements of the various utility services shall be recognized and properly coordinated with the project design.
2. Drainage investigations and drainage design shall be coordinated with any city or drainage district that may be affected by or have an effect on the project

7. WORK RELATED TO PROJECT CHANGE ORDERS

The Consultant will perform all work required in connection with County project change orders in a timely manner in accordance with the time frames set out in this section. This work may include services in connection with both the development of potential change orders to the project, as well as consideration of submissions by a County contractor, including review of contractor price quote packages for County requested change orders. Change order related services may include, but are not limited to, response to new design requirements or changes in regulatory requirements or field conditions, review of documentation to identify ambiguities, requesting missing or needed information, evaluation of overall impacts to the project, and making recommendations regarding the reasonableness and appropriateness of schedules and costs.

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For design work, or other services as assigned, needed in preparation of a potential County change order, Consultant must prepare all documents and materials in sufficient detail and in such a manner that they can be efficiently reviewed by County's contractor for the preparation of a detailed price quote, and so that the contractor's price quote can be expeditiously evaluated for conformance with all stated requirements.

When the County is in receipt of a price quote from a Contractor for a County requested change order, the Consultant must fully review all submitted materials and provide a response in writing recommending acceptance or rejection within 7 calendar days. If the Consultant recommends rejection of the contractor's submittal, the Consultant must provide a detailed written response identifying the specific deficiencies and needed corrections.

All deliverables for work related to change orders must be submitted to the County within 7 calendar days, except that work required in response to a price quote received from a County contractor for a County requested change order must be completed within 5 business days. The County may request an earlier deadline for specific submittals depending on the circumstances, in which case Consultant must use its best efforts to submit deliverables in the time frames requested.

At the County's request, Consultant may be required to apportion proposed change order designs into phased or segmented groups to ensure each proposal can be administratively processed in accordance with County requirements.

In the event Consultant fails to fully comply with the requirements of this section, the Consultant will be liable to the County for damages or expenses resulting from a change order becoming deemed approved by operation of statute.

SECTION 4 - SERVICES TO BE FURNISHED BY THE COUNTY

The County shall provide the following for the Consultant's use and guidance:

- A. Copies of existing maps, existing aerial photographs, as-built construction plans and data pertinent to the project design, which the County may have in its possession.
- B. Reproducibles of the County Engineering Department Standard Drawings applicable to the project.
- C. Sample copies of the County standard contract documents and specifications.
- D. Preparation of legal (front-end) section of the specifications.

SECTION 5 - PRESENTATIONS, PUBLIC MEETINGS AND TECHNICAL LIAISON

The following services shall be provided at no additional cost to the County:

1. Prior to the commencement of design activities, the County will conduct with the Consultant a pre-design conference for the purpose of discussing issues relative to the project, plans preparation and submittal procedures and to convey to the Consultant such items provided for under Section 4 as may be required and available at that time.
2. The Consultant shall make presentations to the County's Director of Public Works or designee as often as reasonably requested and at any point in the project development should issues arise which make additional presentations other than those listed elsewhere in this Agreement, in the County's best interest.
3. The Consultant shall participate in Monthly project Conferences with County staff personnel. The meetings will be scheduled by the County at a location provided by the County.
4. The Consultant shall attend, as technical advisor to the County all meetings or hearings conducted by permitting agencies or public bodies in connection with any permit required for the construction of the project, and shall prepare all presentation aids, documents and data required in connection with such meetings or hearings, and at the discretion of the County, shall either plead the County's case or provide engineering and technical assistance to the County in its pleading of the case.
5. The Consultant shall keep accurate minutes of all meetings and distribute copies to all attending. These meetings shall be set up through the County and appropriate County staff shall attend.

AGREEMENT**SECTION 6 - PAYMENT GUIDELINES AND CATEGORY OF SERVICES****1. BASIC SERVICES**

The services described and provided for under Sections 2, 3 and Exhibit A shall constitute the Basic Services to be performed by the Consultant under this Agreement.

2. OPTIONAL SERVICES

Services noted in Exhibit A of this Agreement as "Optional" shall constitute the Optional Services to be performed by the Consultant under this Agreement. Optional Services shall be rendered by the Consultant only upon written authorization by the County's Director of the Public Works, or designee.

3. CONTINGENCY SERVICES

When authorized in writing by the County's Director of Public Works or designee, the Consultant shall furnish services resulting from unforeseen circumstances not anticipated under Basic Services due to minor changes in the project scope.

Compensation for any Contingency Services assignments shall be negotiated between the County and the Consultant at the time the need for services becomes known.

4. ADDITIONAL SERVICES

When executed by the County Administrator or Board of County Commissioners as an amendment to this Agreement, the Consultant shall provide such additional services as may become necessary because of changes in the Scope of project. Additional Services shall be classified as any change beyond the Contingency Services upset limit for compensation.

5. INVOICING

The Consultant may submit invoices for fees earned on a monthly basis. Such invoicing shall be supported by a Progress Report showing the actual tasks performed and their relationship to the percentage of fee claimed for each phase. Billings within each phase of work shall be for the percentage of work effort completed to date for that phase. The County shall make payments to the Consultant for work performed in accordance with the Local Government Prompt Payment Act, Section 218.70 et. seq., F.S.

The following services shall be considered reimbursable services and may be filled in full upon their completion and acceptance. The Consultant shall provide copies of supporting receipts/invoices/billing documentation. Self-performed reimbursable work shall be reimbursed at the firm's standard hourly rates for all related services. A breakdown of man hours and billing rates shall be provided with each invoice. An hourly rate sheet is attached (Exhibit B).

- A. Soil Analysis/Geotechnical Investigations.
- B. Contamination Assessments/Hazardous Material Analysis (if required).
- C. Aerial Photography (if required).
- D. Payment of Permit Fees (if required).
- E. Payment of the Public Information Meeting Advertisements, if required.
- F. Payment of the Court Reporter for public meetings, if required.
- G. Printing and Binding Services.

Should an invoiced amount for fees earned appear to exceed the work effort believed to be completed, the County may, prior to processing of the invoice for payment, require the Consultant to submit satisfactory evidence to support the invoice.

All progress reports shall be mailed to the attention of the designated Project Manager, Arturo Martinez.

SUPPLIER shall submit invoices for payment due as provided herein with such documentation as required by Pinellas County and all payments shall be made in accordance with the requirements of Section 218.70 et. seq., Florida Statutes, "The Local Government Prompt Payment Act." Invoices shall be submitted to the address below unless instructed otherwise on the purchase order, or if no purchase order, by the ordering department:

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Finance Division Accounts Payable
 Pinellas County Board of County Commissioners
 P. O. Box 2438
 Clearwater, FL 33757

Each invoice shall include, at a minimum, the Supplier's name, contact information and the standard purchase order number. The County may dispute any payments invoiced by SUPPLIER in accordance with the County's Dispute Resolution Process for Invoiced Payments, established in accordance with Section 218.76, Florida Statutes, and any such disputes shall be resolved in accordance with the County's Dispute Resolution Process.

Fees for contingent or additional services authorized shall be invoiced separately and shall be due and payable in full upon the presentation of satisfactory evidence that the corresponding services have been performed.

SECTION 7 - COMPENSATION TO THE CONSULTANT

1. For the basic services provided for in this Agreement, as defined in Section 3.1, the County agrees to pay the Consultant as follows:

A Lump Sum Fee of: \$213,495.57 for the Task 1 – GENERAL TASKS AND

PUBLIC OUTREACH.

A Lump Sum Fee of: \$9,010.95 for the Task 2 - ALTERNATIVE ANALYSIS.

A Lump Sum Fee of: \$190,786.00 for the Task 2 & 3 –ALTERNATIVE ANALYSIS AND
 ROADWAY ANALYSIS.

A Lump Sum Fee of: \$33,189.39 for the Task 4 –ROADWAY PLANS.

A Lump Sum Fee of: \$158,693.26 for the Task 5 –DRAINAGE ANALYSIS

A Lump Sum Fee of: \$55,340.48 for the Task 6 –DRAINAGE PLANS

A Lump Sum Fee of: \$0.00 for the Task 7 –UTILITY COORDINATION SUPPORT

A Lump Sum Fee of: \$4,121.60 for the Task 8 -HISTORICAL RESEARCH

A Lump Sum Fee of: \$62,350.73 for the Task 8 & 9 -ENVIRONMENTAL EVALUATION &
 PERMITTING AND TREE INVENTORY, CONDITION, RISK, & IMPACT ASSESSMENT

A Lump Sum Fee of: \$537,278.73 for the Task 10 -STRUCTURES

A Lump Sum Fee of: \$101,675.26 for the Task 11 -TRAFFIC ANALYSIS & SIGNALIZATION ANALYSIS AND
 PLANS

A Lump Sum Fee of: \$30,906.19 for the Task 12 -SIGNING & PAVEMENT MARKING ANALYSIS AND PLANS

A Lump Sum Fee of: \$59,932 .46 for the Task 13 -LIGHTING ANALYSIS & PLANS

A Lump Sum Fee of: \$356,236.42 for the Task 14 -GEOTECHNICAL

A Lump Sum Fee of: \$16,268.13 for the Task 15 -CONTAMINATION

A Lump Sum Fee of: \$0.00 for the Task 16 -SURVEY

The above fees shall constitute the total not to exceed amount of (\$1,829,285.17) to the Consultant for the performance of Basic Services. All man hours are billed per the established and agreed hourly rates. The hourly rates are fully loaded and include all labor, overhead, expenses and profit of any nature including travel within the Tampa Bay Metropolitan Statistical area. Travel outside of the Tampa Bay Metropolitan Statistical Area will be reimbursed in accordance with Section 112.061 F.S. and/or the County Travel Policy, as approved by the County.

2. For the OPTIONAL SERVICES provided for in the Agreement as defined in Exhibit A, the County agrees to pay the Consultant as follows:

A Lump Sum Fee of: (\$198,267.96)

3. For any CONTINGENCY SERVICES performed, the County agrees to pay the Consultant, a negotiated fee based on the assignment, up to a maximum amount not to exceed (\$75,000.00) for all assignments performed.

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4. Total agreement not-to-exceed amount (\$2,102,553.13) including Operation Services & Contingency Fees.
5. For any ADDITIONAL SERVICES, the County agrees to pay the Consultant a negotiated total fee based on the work to be performed as detailed by a written amendment to this Agreement.
6. In the event that this Agreement is terminated under the provisions of this contract the total and complete compensation due the Consultant shall be as established by the County based on the County's determination of the percentage of work effort completed to date of termination.

SECTION 8 - PERFORMANCE SCHEDULE

Time is of the essence in this Agreement. The Consultant shall plan and execute the performance of all services provided for in this Agreement in such manner as to ensure their proper and timely completion in accordance with the following schedule:

1. The services to be rendered by the Consultant shall be commenced upon receipt from the County of written "NOTICE TO PROCEED."
2. All project phases shall be completed on or before the milestone dates provided in the County approved project design schedule referenced in 2.3 E.
3. The Consultant shall not be held responsible for delays in the completion of the project design when the County causes such delays. The County reviews related to the above submittals shall not exceed 21 days.

SECTION 9 - AUTHORIZATION FOR CONTINGENT OR ADDITIONAL SERVICES

1. The contingency services provided for under this Agreement shall be performed only upon prior written authorization from the Director of Public Works or designee.
2. The additional services provided for under this Agreement shall be performed only upon approval of the County Administrator or Board of County Commissioners.
3. The Consultant shall perform no services contemplated to merit compensation beyond that provided for in this Agreement unless such services, and compensation, therefore, shall be provided for by appropriate written authorization or amendment(s) to this Agreement.

SECTION 10 - FIRMS AND INDIVIDUALS PROVIDING SUBCONSULTING SERVICES

The County reserves the right to review the qualifications of any and all subconsultants, and to reject any subconsultant in a proper and timely manner, deemed not qualified to perform the services for which it shall have been engaged. Any subconsultant not listed as part of the prime consultant's team at time of award must be approved by the Director of Purchasing prior to performing any service.

SECTION 11 - SATISFACTORY PERFORMANCE

All services to be provided by the Consultant under the provisions of this Agreement, including services to be provided by subconsultants, shall be performed to the reasonable satisfaction of the County's Director of Public Works or designee.

SECTION 12 - RESOLUTION OF DISAGREEMENTS

1. The County shall reasonably decide all questions and disputes, of any nature whatsoever, that may arise in the execution and fulfillment of the services provided for under this Agreement.
2. The decision of the County upon all claims, questions, disputes and conflicts shall be final and conclusive, and shall be binding upon all parties to this Agreement, subject to judicial review.

SECTION 13 - CONSULTANT'S ACCOUNTING RECORDS

1. Records of expenses pertaining to all services performed shall be kept in accordance with generally accepted accounting principles and procedures.

AGREEMENT

2. The Consultant's records shall be open to inspection and subject to examination, audit, and/or reproduction during normal working hours by the County's agent or authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the Consultant or any of his payees pursuant to the execution of the Agreement. These records shall include, but not be limited to, accounting records, written policies and procedures, subconsultant files (including proposals of successful and unsuccessful bidders), original estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this Agreement. They shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this Agreement. The County shall not audit payroll and expense records on task assignments paid by lump sum fee.
3. For the purpose of such audits, inspections, examinations and evaluations, the County's agent or authorized representative shall have access to said records from the effective date of the Agreement, for the duration of work, and until 5 years after the date of final payment by the County to the Consultant pursuant to this Agreement.
4. The County's agent or authorized representative shall have access to the Consultant's facilities and all necessary records in order to conduct audits in compliance with this Section. The County's agent or authorized representative shall give the Consultant reasonable advance notice of intended inspections, examinations, and/or audits.

SECTION 14 - OWNERSHIP OF PROJECT DOCUMENTS

Upon completion or termination of this Agreement, all records, documents, tracings, plans, specifications, maps, evaluations, reports and other technical data, other than working papers, prepared or developed by the Consultant under this Agreement shall be delivered to and become the property of the County. The Consultant, at its own expense, may retain copies for its files and internal use. The County shall not reuse any design plans or specifications to construct another project at the same or a different location without the Consultant's specific written verification, adaptation or approval.

SECTION 15 - INSURANCE COVERAGE AND INDEMNIFICATION

1. The Consultant must maintain insurance in at least the amounts required in the Request for Qualification throughout the term of this contract. The contractor must provide a Certificate of Insurance in accordance with Insurance Requirements of the Request for Qualification, evidencing such coverage prior to issuance of a purchase order or commencement of any work under this Contract. See Section C Insurance Requirements – Attached
2. If the Consultant is an individual or entity licensed by the State of Florida who holds a current certificate of registration or is qualified under Chapter 481, Florida Statutes, to practice architecture or landscape architecture, under Chapter 472, Florida Statutes, to practice land surveying and mapping, or under Chapter 471, Florida Statutes, to practice engineering, and who enters into a written agreement with the County relating to the planning, design, construction, administration, study, evaluation, consulting, or other professional and technical support services furnished in connection with any actual or proposed construction, improvement, alteration, repair, maintenance, operation, management, relocation, demolition, excavation, or other facility, land, air, water, or utility development or improvement, the Consultant will indemnify and hold harmless the County, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct, or for any violation of requirements of the Americans with Disabilities Act of 1990, as may be amended, and all rules and regulations issued pursuant thereto (collectively the "ADA") of the Consultant and other persons employed or utilized by the Consultant in the performance of the Agreement.

**SECTION 16 - EQUAL EMPLOYMENT OPPORTUNITY CLAUSE FOR CONTRACTS
NOT SUBJECT TO EXECUTIVE ORDER 11246**

In carrying out the contract, the Consultant shall not discriminate against employee or applicant for employment because of race, color, religion, sex or national origin.

**SECTION 17 - INDEPENDENT CONTRACTOR STATUS AND COMPLIANCE WITH
THE IMMIGRATION REFORM AND CONTROL ACT OF 1986**

Consultant acknowledges that it is functioning as an independent Consultant in performing under the terms of this Agreement, and it is not acting as an employee of County.

AGREEMENT

Consultant acknowledges that it is responsible for complying with the provisions of the Immigration Reform and Control Act of 1986, located at 8 U.S.C. Section 1324, et seq., and regulations relating thereto. Failure to comply with the above provisions of this contract shall be considered a material breach and shall be grounds for immediate termination of the contract.

SECTION 18 - PROHIBITION AGAINST CONTINGENT FEE

The Consultant warrants that he has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement, and that he has not paid or agreed to pay any person, company, corporation, individual, or firm other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift or any other consideration, contingent upon or resulting from the award or making of this Agreement.

SECTION 19 - TRUTH IN NEGOTIATIONS

By execution of this Agreement, the Consultant certifies to truth-in-negotiations and that wage rates and other factual unit costs supporting the compensation are accurate, complete and current at the time of contracting. Further, the original contract amount and any additions thereto shall be adjusted to exclude any significant sums where the County determines the contract price was increased due to inaccurate, incomplete or non-current wage rates and other factual unit costs. Such adjustments must be made within 1 year following the end of the contract.

SECTION 20 - SUCCESSORS AND ASSIGNS

The Consultant shall not assign, sublet, or transfer his interest in this Agreement without the written consent of the County.

SECTION 21 - INTEREST ON JUDGMENTS

In the event of any disputes between the parties to this Agreement, including without limitation thereto, their assignees and/or assigns, arising out of or relating in any way to this Agreement, which results in litigation and a subsequent judgment, award or decree against either party, it is agreed that any entitlement to post judgment interest, to either party and/or their attorneys, shall be fixed by the proper court at the rate of 5%, per annum, simple interest. Under no circumstances shall either party be entitled to pre-judgment interest. The parties expressly acknowledge and, to the extent allowed by law, hereby opt out of any provision of federal or state statute not in agreement with this paragraph.

SECTION 22 - TERMINATION OF AGREEMENT

1. The County reserves the right to cancel this Agreement, without cause, by giving 30 days prior written notice to the Consultant of the intention to cancel. Failure of the Consultant to fulfill or abide by any of the terms or conditions specified shall be considered a material breach of contract and shall be cause for immediate termination of the contract at the discretion of County. Alternatively, at the County's discretion, the County may provide to Consultant 30 days to cure the breach. Where notice of breach and opportunity to cure is given, and Consultant fails to cure the breach within the time provided for cure, County reserves the right to treat the notice of breach as notice of intent to cancel the Agreement for convenience.
2. If County terminates the Agreement for convenience, other than where the Consultant breaches the Agreement, the Consultant's recovery against the County shall be limited to that portion of the Consultant's compensation earned through date of termination, together with any costs reasonably incurred by the Consultant that are directly attributable to the termination. The Consultant shall not be entitled to any further recovery against the County, including but not limited to anticipated fees or profit on work not required to be performed.
3. Upon termination, the Consultant shall deliver to the County all original papers, records, documents, drawings, models, and other material set forth and described in this Agreement.
4. In the event that conditions arise, such as lack of available funds, which in the County's opinion make it advisable and in the public interest to terminate this Agreement, it may do so upon written notice.

SECTION 23 - AGREEMENT TERM

1. This Agreement will become effective on the date of execution first written above and shall remain in effect for 1825 consecutive calendar days from the commencement date on the Notice to Proceed) unless terminated at an earlier date under other provisions of this Agreement, or unless extended for a longer term by amendment.

AGREEMENT**SECTION 24 - CONFLICT OF INTEREST**

1. By accepting award of this Contract, the Consultant, which shall include its directors, officers and employees, represents that it presently has no interest in and shall acquire no interest in any business or activity which would conflict in any manner with the performance of services required hereunder, including as described in the Consultant's own professional ethical requirements. An interest in a business or activity which shall be deemed a conflict includes but is not limited to direct financial interest in any of the material and equipment manufacturers suppliers, distributors, or contractors who will be eligible to supply material and equipment for the project for which the Consultant is furnishing its services required hereunder.
2. If, in the sole discretion of the County Administrator or designee, a conflict of interest is deemed to exist or arise during the term of the contract, the County Administrator or designee may cancel this contract, effective upon the date so stated in the Written Notice of Cancellation, without penalty to the County.

SECTION 25 - ENTIRE AGREEMENT

This Agreement represents, together with all Exhibits and Appendices, the entire written Agreement between the County and the Consultant and may be amended only by written instrument signed by both the County and the Consultant.

SECTION 26 - PUBLIC ENTITY CRIMES

Consultant is directed to the Florida Public Entity Crime Act, Fla. Stat. 287.133, and Fla. Stat. 287.135 regarding Scrutinized Companies, and Consultant agrees that its bid and, if awarded, its performance of the agreement will comply with all applicable laws including those referenced herein. Consultant represents and certifies that Consultant is and will at all times remain eligible to bid for and perform the services subject to the requirements of these, and other applicable, laws. Consultant agrees that any contract awarded to Consultant will be subject to termination by the County if Consultant fails to comply or to maintain such compliance.

SECTION 27 - PUBLIC RECORDS

Consultant acknowledges that information and data it manages as part of the services may be public records in accordance with Chapter 119, Florida Statutes and Pinellas County public records policies. Contractor agrees that prior to providing services it will implement policies and procedures to maintain, produce, secure, and retain public records in accordance with applicable laws, regulations, and County policies, including but not limited to the Section 119.0701, Florida Statutes. Notwithstanding any other provision of this Agreement relating to compensation, the Consultant agrees to charge the County, and/or any third parties requesting public records only such fees allowed by Section 119.07, Florida Statutes, and County policy for locating and producing public records during the term of this Agreement.

CONTRACTOR'S DUTY:

If the contractor has questions regarding the application of Chapter 119, Florida Statutes, to the contractor's duty to provide public records relating to this agreement, the contractor shall contact:

Pinellas County Board of County Commissioners

Purchasing and Risk Management Division

400 S. Ft. Harrison Ave, 6th Floor,

Clearwater, FL 33756

Public Records Liaison

Phone: 727-464-5139

Email: wharvey@pinellas.gov

AGREEMENT

SECTION 28 - GOVERNING LAW AND AGREEMENT EXECUTION

This Agreement shall be governed by the laws of the State of Florida.

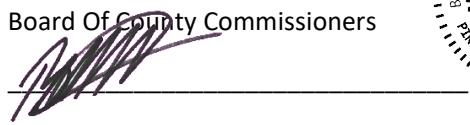
IN WITNESS WHEREOF, the parties herein have executed this Agreement as of the day and year first written above.

PINELLAS COUNTY, FLORIDA, a

Political subdivision of the State of

Florida, by and through its

Board Of County Commissioners



Chairman

Date: December 16, 2025.



CONSULTANT: Kisinger Campo & Associates, Corp.



Authorized Signature

Paul G. Foley, PE

Printed Authorized Signature

ATTEST: Ken Burke, Clerk of the Circuit

Court

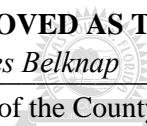


Deputy Clerk

Date: December 16, 2025.

CEO / President

Title Authorized Signature

APPROVED AS TO FORM
 By: Miles Belknap

 Office of the County Attorney

Manual Exhibit A

SCOPE OF SERVICES

ENGINEERING CONSULTING SERVICES **Contract No.: 25-0196-RFP-CCNA**

**Professional Engineering Services For
McMullen Booth Road Bridge North Bound Off-Ramp Over Lake Tarpon
Outfall Canal
PID 003879D**



**Prepared for:
Pinellas County
Public Works Capital Improvements Division - Transportation
14 S. Fort Harrison Avenue
Clearwater, FL 33756**

Prepared by:

**Kisinger Campo & Associates, Corp.
October 2025**

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SCOPE OF SERVICES FOR ENGINEERING CONSULTING SERVICES

This Document forms an integral part of the agreement between Pinellas County (hereinafter referred to as the County) and Kisinger Campo & Associates, Corp.(KCA)(hereinafter referred to as the CONSULTANT) relative to the transportation facility described as follows:

I. PROJECT TITLE

Professional Engineering Services for McMullen Booth Road Bridge North Bound Off-Ramp Over Lake Tarpon Outfall Canal.

II. OBJECTIVE

The overall objective of this project is to provide professional engineering services for the replacement of the McMullen Booth Road Bridge North Bound Off-Ramp over Lake Tarpon Outfall Canal. This proposal defines the scope of work and responsibilities of the CONSULTANT for developing plans, specifications, estimates, and performing all other professional engineering work necessary for the successful completion of the project, ensuring compliance with all the applicable local, state, and federal regulations.

III. PROJECT DESCRIPTION

Pinellas County is undertaking the replacement of the McMullen Booth Road Northbound Off-Ramp Bridge over the Lake Tarpon Outfall Canal to address structural deficiencies, improve safety, and ensure compliance with modern design standards. The existing bridge, constructed in 1967, has reached the end of its service life and has been classified as functionally obsolete and structurally deficient. A recent Bridge Inspection Report identified multiple issues, including spalling, exposed reinforcement, abrasive wear on the deck surface, and deterioration of the substructure elements, which necessitate full replacement to maintain safe operation. The bridge is also scour critical, indicating potential vulnerability to hydraulic forces, which will be addressed in the new design. The location of the project can be seen in Figure 1.



Figure 1. Project Location Map

The project will include the complete removal of the existing bridge and construction of a new structure that meets current Florida Department of Transportation (FDOT) and Pinellas County design standards. The new bridge will provide improved structural integrity, enhanced safety features, and better accommodate future traffic demand. The corridor analysis has identified increasing traffic volumes, with an anticipated rise in Average Daily Traffic (ADT) from 6,500 in 2021 to over 11,000 by 2042, necessitating an improved bridge design that accommodates current and future transportation needs. The project will also evaluate and incorporate hydraulic and drainage improvements to mitigate flooding concerns and ensure stability against scour.

An alternatives analysis will be conducted prior to final design activities to establish the desired typical section and ramp alignment. Three alternatives will be analyzed including an alternative to provide a NB on-ramp.

As part of the replacement, the project will reconstruct roadway approaches, ensuring smooth transitions and maintaining appropriate geometric alignment. The new structure will be designed to minimize right-of-way impacts while improving overall functionality. Additionally, utility coordination will be required to identify potential conflicts and relocate existing utilities, including water, sewer, reclaimed water, and telecommunications lines. Utility coordination will be performed by the COUNTY and supported by the CONSULTANT. Environmental considerations will also be addressed to ensure compliance with all state and federal permitting requirements.

A Maintenance of Traffic (MOT) plan will be developed to manage disruptions during construction, ensuring continued accessibility for vehicles, pedestrians, and emergency responders. Public involvement will be a key component of the project, with outreach efforts to inform residents, businesses, and stakeholders about potential impacts and project milestones.

The consultant shall be responsible for conducting all necessary geotechnical investigations, hydraulic analyses, structural design, and permitting services required for successful project delivery. The final design

will integrate modern safety enhancements, updated drainage solutions, and structural reinforcements to support the long-term sustainability and resilience of the new bridge.

Pinellas County is currently conducting a Project Development & Environment (PD&E) Study for the East Lake Road Corridor from Curlew Road to Trinity Boulevard. The CONSULTANT shall work with the COUNTY'S PD&E Consultant to ensure proper and accurate coordination of engineering and environmental aspects and requirements for the PD&E study documents.

IV. SCOPE OF WORK

The COUNTY is seeking the professional services of an engineering consultant to prepare a set of contract documents including plans, specifications, supporting engineering analysis, calculations, and other technical documents in accordance with Pinellas County and FDOT policies, procedures, and requirements. These Contract documents will be used by the contractor to build the project and by the COUNTY or its Construction Engineering Inspection (CEI) representatives, for inspection and final acceptance of the project. The CONSULTANT shall follow a system engineering process to verify that required project components are included in the development of the contract documents and that the project can be built as designed conforming to specifications.

The scope of this work assignment includes the following:

- Roadway Analysis and Plans
 - Typical Section
 - Pavement Design Support
 - Traffic Control Analysis and Plans
 - Horizontal and Vertical Master Design Files
 - Roadway Plans
 - Design Documentation
 - Field Reviews
 - Technical Meetings
- Drainage
 - Bridge Hydraulics Report (BHR)
 - Design of Drainage System
 - Drainage Plans
 - Drainage Design Documentation Report
 - Field Reviews
 - Technical Meetings
- Utilities Coordination Assistance (County managed)
- Environmental and Permitting
 - Complete and Submit Permits
 - Field Reviews
 - Technical Meetings
- Structures
 - Bridge Development Report (BDR)
 - Load Rating
 - Structure Design
 - Structure Plans

- Design Documents
- Field Reviews
- Technical Meetings
- Specification Package Preparation Support
 - Technical Special Provisions
- Traffic Analysis
- Signing and Pavement Marking Analysis and Plans
 - Master Signing and Pavement Marking Design Files
 - Signing and Pavement Marking Plans
 - Field Reviews
 - Technical Meetings
 -
- Signalization Analysis and Plans
 - Signalization Master Design Files
 - Signalization Plans
 - Field Reviews
 - Technical Meetings
 -
- Lighting Analysis and Plans
 - Lighting Design Analysis Report (LIDAR)
 - Lighting Master Design Files
 - Field Reviews
 - Technical Meetings
- Geotechnical
- Survey (County Provided)
- Public Involvement
- Cost Estimates & Quantities for all Phase Submittals
- Post Design Services

These improvements will be designed in accordance with Pinellas County Standard Engineering Details, Specifications, and Manuals (Latest edition); FDOT Manual of Uniform Minimum Standards for Design (Florida Greenbook) and AASHTO Greenbook Standards; FDOT Standard Plans and Specifications; Pinellas County Transportation Design Manual, Pinellas County Stormwater Manual; and Pinellas County Floodplain Management Ordinance (PC Land Development Code, Chapter 158).

The proposed improvements will also implement green infrastructure, wherever feasible, including the preservation of as many mature native trees as possible.

Plans will be prepared in accordance with AutoCAD Civil 3D Pinellas County Kit Requirements. The Pinellas County CADD Kit for Civil 3D CADD Manual and Kit details can be found at:
[Engineering & Technical Information: Public Works & Utilities - Pinellas County](#)

TASK 1: GENERAL TASKS

Project Management – The CONSULTANT shall be responsible for general project administration, project coordination with other disciplines, subconsultants and the COUNTY.

Contract Maintenance – The CONSULTANT shall provide contract maintenance and project documentation for the duration of the contract. Includes complete setup and maintenance of files, electronic folders, and documents, developing technical monthly progress reports, invoicing, schedule updates, and compilation/submittal of project documentation.

Project Meetings – The CONSULTANT shall attend eighteen (18) monthly progress meetings (assumed 18-month schedule). The CONSULTANT shall provide meeting minutes for review and approval to the COUNTY.

Quality Assurance/Quality Control – The CONSULTANT shall implement their Quality Control Plan (QCP) to verify submittals meet required criteria. The QCP shall be submitted to the COUNTY within twenty-one (21) days of NTP for review. In addition, the CONSULTANT shall provide a copy of the QC'd documents as part of the Design Documentation for each phase submittal.

Specifications Package Preparation – The CONSULTANT shall prepare applicable technical Special Provisions if different from the County STANDARD specifications. The CONSULTANT shall utilize the appropriate COUNTY approved pay item structure.

Coordination – The CONSULTANT shall coordinate with all relevant agencies, including but not limited to the following agencies:

- Florida Department of Transportation (FDOT)
- Forward Pinellas
- Southwest Florida Water Management District (SWFWMD)
- Florida Department of Environmental Protection, Southwest District (FDEP)
- U.S. Army Corps of Engineers (USACE)
- United States Coast Guard (USCG), and
- City of Oldsmar

Technical Meetings – The CONSULTANT must attend technical meetings as necessary to coordinate the development of the design. The CONSULTANT must provide a meeting agenda for the COUNTY's review two (2) business days prior to each meeting and must provide written minutes of each meeting within seven (7) business days of the meeting for COUNTY approval prior for distribution to attendees. Meetings anticipated are as follows:

- Meeting #1 post Draft Alternatives Analysis Submittal
- Meeting #2 post Final Alternatives Analysis Submittal

TASK 2: ALTERNATIVE ANALYSIS

The purpose of this task is to evaluate potential alternatives for the replacement of the McMullen Booth Road Bridge North Bound Off-Ramp Over Lake Tarpon Outfall Canal. The alternatives are to consider alignment, right of way, utility impacts, inclusion of a north bound on-ramp and its impacts, drainage ponds, and permitting.

The CONSULTANT shall provide a DRAFT and FINAL Alternatives Analysis Report that includes a minimum of three (3) alternatives to be discussed and reviewed by County Staff. The Alternatives Analysis Report shall consist of a full evaluation of each alternative considering, but not limited to, right of way, utility impacts, environmental impacts, permitting requirements, traffic analysis/benefits, pedestrian

accommodations, impacts to existing structures, impacts to adjacent and future projects, and estimated cost. The Final Report shall provide a recommended alternative.

TASK 3: ROADWAY ANALYSIS

The CONSULTANT shall prepare, document, design, and analyze roadway plans in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

Typical Section – The typical section shall be consistent with the appropriate requirements of the Pinellas County codes and manuals, Florida Greenbook and FDOT Design Manual.

Pavement Design Package – The CONSULTANT shall provide a pavement design package based on the geotechnical investigation and pavement cores, performed by the CONSULTANT. Any deficiencies in the asphalt and/or roadway base shall be addressed through the pavement design. The ultimate pavement design shall be based on the stricter requirements of the Pinellas County Public Works Pavement Guidelines or the actual pavement design calculations.

Horizontal/Vertical Master Design Files – The CONSULTANT shall design the geometrics using the appropriate design standards with proper consideration given to the design traffic volumes, design speed, capacity and levels of service, functional classification, adjacent land use, design consistency and driver expectancy, aesthetics, elder road user policy, existing vegetation to be preserved, pedestrian and bicycle concerns, ADA requirements, access management, and scope of work. At a minimum, the Florida Greenbook Standards (2018) shall be met.

Cross Section Design Files – The CONSULTANT shall establish and develop cross section design files in accordance with the County CADD manual. Cross section shall be provided at a minimum 50' interval and at locations necessary to provide adequate information to the contractor for grading, changes in roadway cross slopes, drainage characteristics, etc. Cross sections will depict existing utility locations.

Temporary Traffic Control (TTCP) Analysis – The CONSULTANT shall design a safe and effective Temporary Traffic Control Plan (TTCP) to move vehicular and pedestrian traffic during all phases of construction. The design shall include construction phasing of the roadways' ingress and egress to existing property owners and businesses, routing, signing and pavement markings, detour quantity tabulations, roadway pavement, drainage structures, ditches, front slopes, back slopes, drop offs within clear zone, transit agency features (bus stops, etc.), and traffic monitoring sites. Special consideration shall be given to the construction of the utility system when developing the construction phases. Positive drainage must be maintained at all times (the CONSULTANT may need to provide a temporary drainage design). The design shall include construction phasing of roadways to accommodate the construction or relocation of utilities when the contract includes Joint Project Agreements (JPAs) or Utility Work by Highway Contractor (UWHC).

In the analysis, the CONSULTANT shall investigate the need for temporary traffic signals (including temporary timings), temporary signal detection, temporary lighting, detours, diversions, lane shifts, and the use of materials such as sheet piling. The TTCP shall be prepared by a certified designer who has completed training as required by the Florida Department of Transportation.

Every effort shall be made to maintain signal detection throughout the life of the construction. The type of detection and the location shall be included in the TTCP.

The CONSULTANT shall consider the local impact of any lane closures or alternate routes. When the need to close a road is identified during this analysis, the CONSULTANT shall notify the COUNTY's Project Manager as soon as possible. Proposed road closings must be reviewed and approved by the COUNTY. Diligence shall be used to minimize negative impacts by appropriate specifications, recommendations or plans development. Local impacts to consider shall include emergency vehicle response time, local events, holidays, peak seasons, detour route deterioration, transit agency routes and features, and other eventualities. The CONSULTANT shall be responsible for obtaining the local authorities' permission for use of detour routes not on COUNTY roadways. Affected transit agencies shall be notified in advance about bus route lane closures and detours via the COUNTY.

Master TTCP Design Files – The CONSULTANT shall develop master Temporary Traffic Control Plan (TTCP) files showing each phase of the TTCP, including all work necessary for designing lane configurations, diversions, lane shifts, signing and pavement markings, temporary traffic control devices and temporary pedestrian travel ways.

Design Variations and Exceptions – The CONSULTANT shall prepare the documentation necessary to gain COUNTY approval of all appropriate Design Variations and Exceptions before the first plans submittal. Possible variations include: border width, horizontal curve length, and superelevation rate.

Design Report – The CONSULTANT shall prepare all applicable geotechnical, lighting analysis, public involvement, and drainage related report(s) documenting the design criteria, design decisions, etc., and submit in PDF format.

Cost Estimate: A cost estimate will be prepared at 30%, 60%, 90 %, 100%, and Final phase submittals using available historic construction unit costs provided by the COUNTY. The CONSULTANT shall utilize FDOT Area 8 Average unit prices for items not available through the COUNTY's historical unit prices. If CONSULTANT determines a different cost or unit price should be used for a more accurate cost estimate, CONSULTANT shall provide appropriate explanation for the variation.

Other Roadway Analysis (Right of Way): The CONSULTANT shall identify all right of way acquisition needs by the 60% plans phase. The COUNTY will prepare the sketch and descriptions for any necessary right of way and/or easements based on aerial exhibits provided by the CONSULTANT. The COUNTY will be responsible for managing all other aspects of the right of way acquisition process.

Roadway Field Review: The CONSULTANT shall conduct one (1) site review prior to 60% plans and two (2) additional site reviews as needed.

Roadway Non-Technical: The CONSULTANT shall attend meetings relating to the roadway analysis design. The CONSULTANT shall perform QA/QC services to ensure quality standards are adhered to and supervision and coordination is provided throughout the life of the project.

TASK 4: ROADWAY PLANS

The CONSULTANT shall prepare Roadway, TTCP, Utility Adjustment plan sheets, notes, and details. The plans shall include, but not be limited to, the following sheets necessary to convey the intent and scope of the project for the purposes of construction:

- Key Sheet

- Signature sheet
- Summary of Pay Items
- Summary of Quantities
- Typical Section(s) and Typical Section Details General Notes/Pay Item Notes
- Project Layout Sheets (including Intersection Layout)
- Plan Sheets (40 scale)
- Profile Sheets (40 scale)
- Special Profiles
- Special Details
- Roadway Soil Survey
- Cross Sections
- Driveway Half Sections
- Temporary Traffic Control Plan Sheets
- Temporary Traffic Control Cross Sections
- Temporary Traffic Control Detail Sheets
- Utility Adjustment Sheets
- Tree Disposition Sheets
- Project Control Sheets
- Utility Verification Sheets (SUE Data)

TASK 5: DRAINAGE ANALYSIS

The CONSULTANT shall analyze and document drainage tasks in accordance with applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums that are appropriate for the project. Conceptual design work shall comply with the requirements of the appropriate regulatory agencies and the Pinellas County Stormwater Manual. The CONSULTANT shall coordinate fully with the appropriate permitting agencies and the COUNTY's staff. Activities and submittals should be coordinated through the COUNTY's Project Manager. The work will include engineering analysis for the following:

Bridge Hydraulics:

Prepare a Bridge Hydraulics Report for the McMullen Booth Northbound Off-Ramp over Lake Tarpon Outfall Canal. The CONSULTANT shall, at a minimum, perform the following proposed bridge hydraulic modeling efforts for this project:

- Data collection- perform field review; review Bridge Inspection Reports; review Bridge Scour Evaluation Reports (phase I through IV if available); obtain scour, obtain bathymetric data, topographic data, and gage data.
- Perform a preliminary stream stability assessment per the FHWA Engineering Circular HEC 20, entitled Stream Stability at Highway Structures.
- Compute predicted scour based on the FHWA Engineering Circular HEC 18, entitled Evaluating Scour at Bridges and the Florida Scour Manual. Scour predictions will be performed for the 100-year and 500-year storm event.
- Develop abutment protection and toe protection requirements based on design flows.
- Prepare a Bridge Hydraulics Recommendation Sheet (BHRS).

The CONSULTANT will modify the existing storm sewer system as needed for the roadway modifications. A dry retention pond is proposed and will be located within the existing right of way. A nutrient loading

analysis will show the required reduction. Any impact to the floodplain will be compensated for within the existing right of way.

TASK 6: DRAINAGE PLANS

The CONSULTANT shall prepare all required drainage construction plan sheets, notes and details associated with the project. The plans will include the following sheets necessary to convey the intent and scope of the drainage design for the purposes of construction.

- Drainage Map
- Summary of Drainage Structures
- Drainage Structures
- Ditch Profile & Cross Sections (as necessary)
- Pond Details
- Drainage Details
- SWPPP
- Erosion Control Plans

TASK 7: UTILITY COORDINATION SUPPORT

The COUNTY is responsible for coordinating its design work with public and private Utility Agency/Organization having existing and/or planned facilities within the limits of the project.

The COUNTY must provide the UAOs project plans and/or Civil 3D files at the 15% L&G, 60% and 100% complete design phases, as drafted by the CONSULTANT. In the event the project files are larger than UAOs email servers allow (generally 10MB), the CONSULTANT should be responsible for electronic plan and/or Civil 3D file transfer as directed by the COUNTY. At the 15% L&G phase, UAOs will be sent plans and instructed to provide green lines back to the County. This submittal will be used to ensure that all existing utility infrastructure was gathered. During the 60% complete design phase, the UAOs will be instructed to return a set of plans to the COUNTY showing their utility relocations/adjustments, new facility designs, existing utility facilities to remain and utility facilities to be removed. The COUNTY's and CONSULTANT's utility coordination responsibilities will continue throughout the design process to assist with resolving potential utility conflicts.

Utility Adjustment Plans - The CONSULTANT must prepare utility adjustment sheets as part of the project plan set to show existing public and private utility facilities remain in place, new utility facilities to be constructed and utility facilities to be removed. Utility adjustment plans must be prepared on reproducible copies of the plan and profile sheets, cross section sheets, drainage structure sheets and signalization plans if applicable. The CONSULTANT is to identify all potential utility conflicts or constructability issues (i.e., OSHA clearance issues with equipment relating to overhead power lines) based on the data provided within the Survey, horizontal and vertical field investigations and information provided by the UAOs. Any Quality Level D utility information received from UAOs should not be incorporated into the plans but will be used for additional Survey or SUE investigation. A conflict matrix itemizing utility conflicts by UAO must be prepared by the CONSULTANT and submitted to the COUNTY. The COUNTY must distribute to UAOs. Four weeks on average should

be allowed for each UAO to respond with appropriate resolution. The CONSULTANT must coordinate with the COUNTY and UAOs to determine areas of apparent conflict or constructability concerns and request Subsurface Utility Engineering activities (Conflict Resolution) to confirm whether or not a conflict exists and to what degree. The 100% design review submittal must include final utility adjustment plans that reflect the final disposition of all public and private utilities. Any subsequent utility conflicts are to be resolved and all final design revisions complete at the final design submittal.

Utility Coordination Meetings - The CONSULTANT must attend utility coordination meetings to be held after the 60% design submittal and prior to the 100% final design submittal. The meetings will be held an average of 30-45 days after notification to utility agencies. The COUNTY will be responsible for organizing these meetings. The COUNTY will prepare formal correspondence issuing project plans and/or Civil 3D files as outlined above. The COUNTY should moderate the meeting. The CONSULTANT should discuss the project design (roadway, sidewalk, drainage, etc.) with particular emphasis on potential utility conflicts and constructability concerns. The CONSULTANT must prepare detailed minutes and distribute to all attendees. Representation at the meeting should consist of internal County stakeholders, Consultant engineering staff and UAOs with facilities located and/or planned within the project limits.

Final agreements with Utilities (Final Plans) - The COUNTY will transmit the necessary legal drafts and documents to each UAO as required. Review and Acceptance – The CONSULTANT shall be responsible for making all necessary reviews and acceptance of utility related materials including but not limited to, Utility Right of Way Permitting, Joint Project Agreement Plans, Utility Work Schedules, and technical specifications.

Final agreements with Utilities (Final Plans) - The COUNTY will transmit the necessary legal drafts and documents to each UAO as required. Review and Acceptance – The CONSULTANT shall be responsible for making all necessary reviews and acceptance of utility related materials including but not limited to, Utility Right of Way Permitting, Joint Project Agreement Plans, Utility Work Schedules, and technical specifications.

TASK 8: ENVIRONMENTAL EVALUATION AND PERMITTING

Permitting

The CONSULTANT shall prepare permit applications, technical data, and supporting documentation for all permits to be submitted by the COUNTY. The CONSULTANT shall acquire all state and federal permits for the proposed project.

Preliminary Project Research

The CONSULTANT shall perform preliminary project research and be responsible for regulatory agency coordination to ensure all design efforts are appropriately directed toward permit requirements. The investigation shall include but should not be limited to reviewing the project's PD&E documents, including the Environmental Document, Natural Resources Evaluation Report, and Cultural Resources Assessment Survey Report.

The **CONSULTANT** shall coordinate with County Survey and Mapping to provide research package to surveyor.

The **CONSULTANT** shall research any existing Easements or other restrictions within or adjacent to the proposed project boundary. Project research may include but should not be limited to review of available: federal, state, and local permit files and databases; and local government information, including **COUNTY** and property appraiser data.

Complete and Submit All Required Permit Applications

The **CONSULTANT** shall collect the data and information necessary to prepare applications and obtain all environmental permits required to construct the project. The **CONSULTANT** shall prepare each permit application following the regulatory agency's rules and regulations responsible for issuing a specific permit and authorization to perform work. The **COUNTY** shall approve the permit application packages before submission to regulatory agencies.

The **CONSULTANT** shall prepare application forms, narratives, calculations, exhibits, permit drawings, etc., necessary for all permit application submittals. The **CONSULTANT** shall submit the completed draft permit applications to the **COUNTY** for review and signature after receiving and incorporating comments from the 60% design QC review unless agreed upon otherwise by the **COUNTY**. The **CONSULTANT** will submit applications online to the appropriate agencies and provide receipts to the **COUNTY** for payment to the respective agencies.

Establish Wetland Jurisdictional Lines and Assessments

The **CONSULTANT** shall be responsible for, but not limited to, the following activities:

- Determine landward extent of wetlands and other surface waters as detailed in Rule Chapter 62-340, F.A.C., as ratified in Section 373.4211, F.S.; United States Army Corps of Engineers (USACE) Wetland Delineation Manual (Technical Report Y-87-1); Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (ERD/EL TR-10-20).
- Collect all data and information necessary to determine the jurisdictional boundaries of wetlands and other surface waters as defined by the rules or regulations of each permitting agency processing a **COUNTY** permit application for the project.
- Prepare aerial maps showing the jurisdictional boundaries of wetlands and other surface waters. Aerial maps shall be reproducible, of a scale of 1" = 400' or more detailed and be recent photography. The maps shall show the jurisdictional boundaries of each agency. Photocopies of aerials are not acceptable. When necessary, a wetland specific survey will be coordinated with County.
- Prepare a written assessment of the current condition and functional value of the wetlands and other surface waters. Prepare data in tabular form which includes the ID number for each wetland (and other surface water, if necessary) impacted, size of wetland to be impacted, type of impact; and identify any wetland (by ID number and size) within the project limits that will not be impacted by the project.

If required, the **CONSULTANT** shall develop conservation measures to mitigate impacts to protected species and management strategies to ensure that protected species are not adversely affected during construction. If required, the **CONSULTANT** shall:

- Prepare a mitigation plan for wetland impacts
- Coordinate this plan with **COUNTY** Staff prior to sharing with permitting agencies

- Coordinate the plan with permitting agencies
- Develop a plan that is approved by permitting agencies.
- Coordinate with County for survey needed regarding Wetlands

The **CONSULTANT** shall coordinate with the **COUNTY** Permit Coordinator until all permits are obtained. The **CONSULTANT** shall prepare responses to all agency requests for additional information (RAI), including completion of design revisions that may be required to secure the required permits, and provide draft response packages to **COUNTY** Permit Coordinator. The **CONSULTANT** shall coordinate with **COUNTY** Permit Coordinator to meet with the regulatory agencies as necessary to resolve permitting issues.

The **CONSULTANT** shall prepare Dredge and Fill Detail sheets, if necessary, to ensure the information on the sketch(es) meet the requirements of the regulatory agencies and are appropriate for environmental permit application submittal and acquisition. The **CONSULTANT** shall also provide environmental data/information as needed to support the preparation of the Dredge and Fill sketches.

Technical Meetings

Upon completing the 15% design phase, the **CONSULTANT** shall contact the appropriate permitting agencies to schedule pre-application meetings to identify specific permitting requirements for the project. The **CONSULTANT** shall include the **COUNTY** Project Manager and Permit Coordinator in the scheduling of the pre-application meetings and attend all pre-application meetings with **COUNTY** staff. The **CONSULTANT** shall provide a pre-application meeting agenda to **COUNTY** for review two business days before each meeting and shall provide written notes of each meeting within seven business days of the meeting for **COUNTY** approval before distribution to attendees.

Species Surveys

The **CONSULTANT** shall evaluate the magnitude of potential impacts to protected species, and designated or proposed critical habitats within the project study. The **CONSULTANT** shall perform literature and field reviews, and coordination necessary to determine Project involvement with, and potential impacts to, protected species and their habitats including proposed conservation measures as required.

If required by permit agencies the **CONSULTANT** shall conduct wildlife surveys, as necessary, during appropriate season as defined by rules or regulations of any permitting agency or commenting agency that is processing a **COUNTY** permit. This may also include permits associated with bald eagle nest / activity seen close to the anticipated area of work.

If during the wildlife survey or other time, suitable habitat for Gopher Tortoise is found to be within the limits of disturbance (LOD) of the project and the area within 25 feet of the LOD, and burrows are found within that area, the **CONSULTANT** shall prepare a permit application for excavation of burrows and relocation of affected as an optional service. All permit fees and relocation site fees are to be paid by the County. This task does not include excavation, bucket trapping, or any other means of gopher tortoise removal and relocation.

If a bald eagle nest is present within 660 feet of the project, the **CONSULTANT** shall prepare a Bald Eagle Disturbance Take permit application for submittal to the U.S. Fish and Wildlife Service (USFWS) and conduct nest monitoring for any construction activities occurring during the nesting season (Oct 1 – May 30). The permit application preparation and nest monitoring will be conducted as an optional service. This task does not include application for complete take of a bald eagle nest. 18 hrs

Coordination with Department of Historical Resources

The **CONSULTANT** shall coordinate with the Department of Historical Resources (DHR) to determine if a Cultural Resource Assessment Survey (CRAS) is required for the project. If a CRAS is required, this will be considered Optional Services.

TASK 9: TREE INVENTORY, CONDITION, RISK, & IMPACT ANALYSIS

- a.) In coordination with the County Arborist the consultant shall perform a tree inventory on the provided tree survey data within the boundary of the proposed construction.
 - Data collected for tree inventory will include species identification and tree rating category per Sec. 138-3654 (1) (4) of the Pinellas County municipal code.
- b.) The consultant shall provide tree impact analysis and tree mitigation estimates associated with the alternatives:
 - Impacts to existing trees associated with roadway improvements and pedestrian improvement alternatives as described in Tasks ##
 - Tree impact analysis will include a summary of the trees to be removed for each of the alternatives proposed.
 - Tree impact analysis will be in a table form with proposed tree mitigation associated with tree removal calculated per Sec. 138-3654 (1) (4)
 - *Construction cost estimates associated with mitigation are not part of the work effort.*

TASK 10: STRUCTURES

Bridge Design:

The **CONSULTANT** shall design the replacement bridge in accordance with the Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (commonly known as the “Florida Greenbook”), FDOT Structures Manual and the AASHTO LRFD Bridge Design Specifications as appropriate.

The **CONSULTANT** shall provide Design Documentation to the **COUNTY** with each submittal consisting of structural design calculations and other supporting documentation developed during the development of the plans. The design calculations submitted shall adequately address the design of structural elements. These calculations shall be neatly and logically presented on digital media or, at the **COUNTY**’s request, on 8 ½”x11” paper and sheets shall be numbered. The final design calculations shall be signed and sealed by a Florida-licensed professional engineer. A cover sheet indexing the contents of the calculations shall be included and the engineer shall sign and seal that sheet. Computer programs and parameters used in the design calculations shall include appropriate backup information to facilitate the review task.

The **CONSULTANT**’s Plans shall make provisions to accommodate affected utilities.

The **CONSULTANT**’s Plans shall make provisions for the erosion protection of the bridge approaches and embankments.

Bridge Development

Prepare a Bridge Development Report for the project and exhibits (Plan Elevation, Typical Section, Construction Sequence, End Bent and Intermediate bent). The **CONSULTANT** shall perform the following proposed bridge development modeling effort for this project:

- Data collection- perform field review; review Bridge Inspection Reports; review original plans of existing structure (if available), review Bridge Hydraulics Report.
- Analysis of existing structure during the phased condition (analyze previous interior beam as an exterior beam); capacity, safety.
- Evaluate 2 minimum design alternatives for the bridge superstructure and foundations.
- Replacement improvement evaluation; Aesthetics, Superstructure, Substructure, Foundation, Scour, Precast options, Retaining Walls.
- Cost Estimating- develop cost for the bridge superstructure and substructure, including mobilization, operation cost, deck drainage, load test and bank stabilization, unique site conditions, and historical value.
- Bicycle and Pedestrian facilities

Load Rating:

The **CONSULTANT** shall provide the bridge load rating of the final bridge configuration in accordance with the FDOT's latest Bridge Load Rating Procedures. The FDOT Computer Load Rating Programs shall be used for the bridge types and components they are capable of rating. The load rating documentation must include final calculations, computer printouts and an FDOT Load Rating Summary Sheet. The Load Rating documentation shall be submitted with the Final Plans Package.

Field Reviews:

The **CONSULTANT** shall make as many trips to the project site as required to obtain necessary data for elements of the project. Information obtained during each field review shall be provided in the design document.

Technical Meetings:

The **CONSULTANT** shall attend technical meetings as necessary to review and discuss specific technical design aspects of the project. The **CONSULTANT** shall provide a meeting agenda and prepare and submit meeting minutes within five (5) working days after the meeting.

Cost Estimates:

A cost estimate will be prepared at 30%, 60%, 90%, 100%, and Final phase submittals using available historic construction unit costs provided by the COUNTY. The **CONSULTANT** shall utilize FDOT Area 8 Average unit prices for items not available through the COUNTY's historical unit prices.

Technical Special Provisions:

The **CONSULTANT** shall provide Technical Special Provisions for items of work not covered by the FDOT's Specifications. Technical Special Provisions shall be submitted on standard size sheets. The final Technical Special Provisions shall be signed and sealed by a Florida-licensed professional engineer.

TASK 11: TRAFFIC ANALYSIS AND SIGNALIZATION ANALYSIS AND PLANS

Traffic Analysis

The **CONSULTANT** shall review existing traffic data from planning studies to carry out traffic analysis for this Project and determine whether additional data may be needed. The **CONSULTANT** shall collect additional data for the project if data gaps are identified. The **CONSULTANT** shall review the following

Traffic Reports and Planning studies and coordinate with the East Lake Road Project Development & Environment Study consultant for any additional traffic data that may be available:

- East Lake Road Traffic Evaluation Report, November 2021, County East Lake Corridor Study

The CONSULTANT will evaluate the existing and future design year traffic operations. The CONSULTANT shall utilize existing traffic counts, projected traffic volumes, and the calculated growth rate from the East Lake Road Traffic Evaluation Report. The existing traffic counts and projected traffic volumes will be modified to account for the new on-ramp introduced. The CONSULTANT will adjust the Tampa Bay Regional Planning Model (TBRPM) to account for the new on-ramp location. The CONSULTANT shall analyze and develop two new Alternatives as follows:

1. A northbound (NB) on-ramp from eastbound (EB) Tampa Road to NB McMullen Booth Road. This new loop-ramp will cross over the Lake Tarpon Outfall Canal.
2. Widening the existing off-ramp bridge to accommodate two-way traffic, including one lane from EB Tampa Road to NB McMullen Booth Road.

The CONSULTANT shall develop a Micro-Simulation model using Synchro software for the signal. The model will include network coding, data file input creation (including one to two hours of volume data sets for a minimum one-hour period at 15-minute intervals for each peak period) and shall contain coding diagrams, tables, and other related data to ensure the existing year model is providing accurate results. Results of the analysis, including those items identified above shall be in the same format as the Micro-Simulation Manual.

Crash data will be obtained and analyzed to find any discrepancies or trends. The safety analysis shall identify areas where there may be safety concerns. The safety analysis will include calculations of crash rates and crash costs.

The CONSULTANT shall perform Benefit/Cost (B/C) ratio analyses for both Alternatives. In addition, the CONSULTANT shall conduct a capacity analysis and determine the number of lanes required for all movements under each Alternative to maintain acceptable levels of service (LOS) in the Design Year 2050. Benefits from reduced delays will be calculated as a benefit cost.

This evaluation shall also consider the restricted crossing U-turn (RCUT) proposed in the East Lake Road Traffic Evaluation Report and determine whether a NB on-ramp would eliminate the need for the RCUT.

The deliverable will be a Technical Traffic Memorandum.

Signalization Analysis

The CONSULTANT shall analyze and document Signalization Tasks for the intersection of the NB Off-Ramp and Tampa Road in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

FDOT and COUNTY Specifications shall be used for the signalization improvements. Consultant shall prepare any special provisions that may be required for inclusion in the construction documents. The special provisions include specifications pertaining to project specific details and special construction

methods or sequencing that may be required to construct the project. Special provisions shall be prepared and submitted electronically which can be inserted directly into the COUNTY'S specifications. Once completed the CONSULTANT shall be the engineer record for special provisions and supplemental technical specifications.

Reference and Master Signalization Design File: The CONSULTANT shall prepare the Signalization Design file to include all necessary design elements and all associated reference files.

Overhead Street Name Sign Design: The CONSULTANT shall design Signal Mounted Overhead Street Name signs.

The CONSULTANT shall collect information from the COUNTY and conduct a field review. The review should include, but is not limited to, the following:

- Existing Signal and Pedestrian Phasing
- Type of Vehicular Detection
- Interconnect Fiberline Locations
- Controller Timing Data (Consultant to request from the County)

Fiber Optic Splice Diagrams: There are existing fiber optic cables terminated at the intersection. The CONSULTANT shall produce fiber optic cable splicing diagrams to connect the intersection communication router to the existing Fiber Optic Network (FON). Fiber optic splice configurations shall remain the same as existing in terms of the allocated buffer tube and strands.

The CONSULTANT shall prepare a set of Signalization Plans in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums. Plot existing and proposed topography, showing ROW and existing/proposed utilities. Show ground elevations at each signal pole site and highest point of roadway under each proposed mast arm. Station and offset of mast arm installations must also be shown. All mast arm structure mounted signs including street name signs and regulatory signs as well as all installation components shall be labeled with appropriate pay item number and quantity. Signal head details, controller operation notes, controller timing chart and loop detector chart shall also be included. If a special signal operation plan is used it shall be detailed on the signal plan including any preemption phases. The COUNTY will provide existing signal timings. The vehicular detection will include both video and inductive loop detection. Signalization design shall also include the replacement of all signalization equipment including, but not limited to, traffic controller cabinets, loop assemblies, video detection, CCTV cameras (if currently present), conduit, and pull boxes.

TASK 12: SIGNING AND PAVEMENT MARKING ANALYSIS AND PLANS

The consultant shall analyze and document Signing and Pavement Marking analysis in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

Traffic Data Analysis: The CONSULTANT shall review the East Lake Road Traffic Evaluation Report, November 2021, County East Lake Corridor Study typical section package, and proposed geometric design alignment to identify proposed sign placements and roadway markings and perform queue analysis.

Signing and Pavement Marking Master Design File: The CONSULTANT shall prepare the Signing & Marking Design file to include all necessary design elements and all associated reference files.

Sign Panel Design Analysis: Establish sign layout, letter size and series for non-standard signs. Develop multi-post sign cross-sections to support the required column size and length data on the guide sign worksheet.

S&PM Quantities: The CONSULTANT shall determine signing and pavement marking pay items and quantities and the supporting documentation.

Cost Estimate: A cost estimate will be prepared at 15% Line and Grade, 60%, 90%, 100% and Final phase submittals using the tabulation of quantities and available historic construction unit costs provided by the COUNTY. The CONSULTANT shall utilize FDOT Area 8 Average unit prices for items not available through the COUNTY's historical unit prices.

Field Reviews: The CONSULTANT shall conduct field reviews to assess the existing signing conditions and inventory the sign types and sizes.

The CONSULTANT shall prepare a set of Signing and Pavement Marking Plans in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

TASK 13: LIGHTING ANALYSIS AND PLANS

The CONSULTANT shall analyze and document Lighting Tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

Lighting Design Analysis Report (LDAR): The CONSULTANT shall prepare a Preliminary Lighting Design Analysis Report in accordance with the requirements of the FDOT Design Manual. The report shall be submitted under a separate cover with the 60% (Phase II) plans submittal. After approval of the preliminary report, the CONSULTANT shall submit a revised report for each submittal.

Reference and Master Design Files: The CONSULTANT shall prepare the *Lighting Design Photometric file* to include all necessary design elements and all associated reference files.

Cost Estimate: A cost estimate will be prepared at 15% Line and Grade, 60%, 90%, 100% and Final phase submittals using the tabulation of quantities and available historic construction unit costs provided by the COUNTY. The CONSULTANT shall utilize FDOT Area 8 Average unit prices for items not available through the COUNTY's historical unit prices.

Field Reviews: The CONSULTANT shall collect information from the maintaining agencies and conduct a field review. The review should include, but is not limited to, the following:

- Existing Lighting Equipment
- Load Center, Capabilities and Condition/Age
- Condition of Lighting Structure(s)
- Verification of horizontal clearances
- Verification of breakaway requirements

The CONSULTANT shall prepare a set of Lighting Plans in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

TASK 14: GEOTECHNICAL

The **CONSULTANT** shall provide a geotechnical study to obtain information necessary for the project. The geotechnical study shall provide information necessary for the **CONSULTANT** to determine the current soil conditions, bridge foundation design requirements, pavement design, suitability of soils for drainage structures, mast arm foundations, existing groundwater levels and estimation of seasonal high groundwater table, and be in accordance with FDOT and **COUNTY** standards, or as otherwise directed. The **CONSULTANT** shall apply for a permit from the **COUNTY** prior to performing other work within the right of way. The permit application shall include the investigation plan and proposed boring locations and depths.

All laboratory testing and classification will be performed in accordance with applicable DEPARTMENT standards, ASTM Standards or AASHTO Standards.

The **CONSULTANT** shall stake boring locations and obtain utility clearances prior to any boring. Boring locations for the proposed bridge shall be at or near each proposed bent location to adequately account for subsoil variability. Boring locations for the proposed mast arms at Tampa Road shall be at or near each proposed foundation location. County survey consultant can stake/locate geotechnical boring locations and shall include survey information for bridge borings and seasonal high groundwater borings.

The **CONSULTANT** shall coordinate and develop a Temporary Traffic Control Plan. All work zone traffic control will be performed in accordance with the FDOT'S Standard Plans Index 102 series.

The **CONSULTANT** shall provide a geotechnical report with information regarding data collection and findings. Report shall include, but not be limited to, pavement coring data, geotechnical recommendations regarding proposed bridge foundation, mast arm foundations,, and any special considerations that may be necessary for proposed roadway, drainage, and drainage structures.

TASK 15: CONTAMINATION

The **CONSULTANT** shall provide a Contamination Screening Evaluation Report for the project limits including stormwater ponds and floodplain compensation sites as described in Part 2, Chapter 20, of the PD&E Manual. The **CONSULTANT** shall include an evaluation of any new contamination impacts due to changes to the project from the PD&E design concept, if applicable, and any new discharges or new potential contamination impacts not evaluated in any previously completed Contamination Screening Evaluation. The project impacts, conclusions and recommendations, figures, tables and appendices will be provided in a Level I Contamination Screening Evaluation Report.

The **CONSULTANT** shall provide Level II assessment services, if necessary, under additional services agreement. If contamination is identified within the limits of construction, the **CONSULTANT** shall coordinate with the **COUNTY** to properly mark identified contamination areas in the plans and develop specifications as appropriate.

TASK 16: SURVEY

Survey and subsurface utility engineering services will be provided by the **COUNTY**. The **CONSULTANT** shall coordinate with the **COUNTY** for all necessary required information regarding the site survey including, but not limited to, the below list of items:

- Bridge Superstructure
- Bridge Substructure
- Retaining Wall

- Slopes
- Sidewalks
- Lighting
- Utilities
- Roadway
- Drainage
- Channel/Bathymetric
- Trees with type and trunk diameter
- Right of way
- All other structures
- Geotechnical boring locations (estimate up to 40 borings)

The **CONSULTANT** should allow a minimum of two weeks period in the project schedule for any request from the **COUNTY**'s survey team. When a survey request is created, County's survey team will provide an estimated schedule for survey tasks to be completed.

TASK 17: PUBLIC OUTREACH

The COUNTY shall identify stakeholders, prepare mailouts, develop content for a project website page, newsletters, and social media posts. The CONSULTANT shall prepare presentation and meeting materials for public meetings, and assist the County in advertising public outreach opportunities through mailouts, social media, press releases and other appropriate methods.

Local Government Coordination

Coordination with local government staff and with the community will occur throughout the design project. Coordination will include, but is not limited to:

- Preparation of presentations and/or display boards
- Attendance to support the COUNTY as needed

Project Website

The COUNTY shall establish and maintain a project link on the COUNTY'S website. The public will be able to submit comments via the website.

The CONSULTANT shall provide project information to be posted on the website including, but not limited to:

- Project location map
- Information about upcoming and past public meetings
- Information updates as needed (Project Newsletters)

All presentations, exhibits and graphics prepared for any on-line meeting and for the project website will meet requirements of WCAG 2.1 Level AA Compliance with the Americans with Disabilities Act (ADA).

Public Meetings

- The CONSULTANT shall assist the COUNTY with scheduling and conducting two (2) in-person project information meetings with local residents, businesses and other stakeholders along the project corridor. It is anticipated that the meeting will be held after 60% design plans have been approved and prior to submitting the final plans. The purpose of these meetings is to present the recommended alternative for the project to the public at 60% and to advise the public of anticipated construction impacts at final design.

- The CONSULTANT shall be responsible for the following tasks:
 - Check calendars to ensure there are no conflicts with date/time selection for public meeting
 - Preparation of graphics, power point presentation including script, and/or display boards
 - Assist the COUNTY with coordinating and conducting a virtual dry run prior to in-person or Zoom public meeting
 - Provide staff to assist the COUNTY during the public meeting(s)

The COUNTY will prepare, mail, and pay for the postage of postcards which will serve as an invitation/notification of the public meeting(s).

Public Involvement Summary Report

The CONSULTANT shall prepare a Public Involvement Summary Report which includes the following:

- Summary of comments received during, and in response to each public meeting, as well as any other comments received for the duration of the project.
- A description of all public involvement activities, including copies of handouts, meeting materials, attendee lists and presentations.

Other Public Involvement Tasks

The CONSULTANT shall prepare any graphics or related information needed to discuss the project with stakeholders and adjacent property owners/occupants for one-on-one discussion as needed.

TASK 18: OPTIONAL SERVICES (NOT TO EXCEED)

20.1 Cultural Resource Assessment Survey

The CONSULTANT shall analyze the impacts of the proposed alternatives to cultural resources. All work shall be conducted by a professional qualified under the provisions of 36 CFR 61 in compliance with the National Historic Preservation Act of 1966 (Public Law 89-665, as amended) and the implementing regulations (36 CFR 800) as well as with the provisions contained in Chapter 267, Florida Statutes.

The CONSULTANT shall identify and analyze impacts to archaeological sites and historic resources within the Project's Area of Potential Effects (APE). The APE must include potential pond sites (if applicable).

The CONSULTANT shall identify any archaeological sites within the APE, including those previously recorded. They will excavate the appropriate number of shovel tests to delineate the boundaries of the site. The CONSULTANT shall identify any existing historic resources that are 45 years of age or older within the project area, including those previously recorded. Enough data will be collected to document each site or resource's significance in terms of eligibility for listing on the National Register of Historic Places (NRHP).

20.2 Post Design Services

The CONSULTANT shall provide post design services as an optional service. This will include reviews and responses to RFI's/RFM's, review of shop drawings, construction meeting attendance, construction field reviews, and other support needed by the County

The CONSULTANT shall prepare, submit, and coordinate application to FWC for Gopher Tortoise Relocation Permit if one or more gopher tortoise burrows are present and construction activities will occur within 25 feet of any burrow.

The CONSULTANT shall prepare, submit, and coordinate application to USFWS for Bald Eagle Nest

Disturbance Take Permit if a Bald Eagle nest is present within 660 feet of the project. .

The **CONSULTANT** shall attend construction meetings as requested.

The **CONSULTANT** shall review pre-construction and post-construction surveys as deemed necessary through the regulatory permitting process and permit specific conditions to ensure reporting is sufficient and accurate.

V. COMPENSATION

TASK 1 & 17	GENERAL TASKS AND PUBLIC OUTREACH	\$213,495.57	Lump Sum
TASK 2	ALTERNAIVE ALNALYSIS	\$9,010.95	Lump Sum
TASK 2 & 3	ALTERNATIVE ANALYSIS AND ROADWAY ANALYSIS	\$190,786.00	Lump Sum
TASK 4	ROADWAY PLANS	\$33,189.39	Lump Sum
TASK 5	DRAINAGE ANALYSIS	\$158,693.26	Lump Sum
TASK 6	DRAINAGE PLANS	\$55,340.48	Lump Sum
TASK 7	UTILITY COORDINATION SUPPORT	\$0	Lump Sum
TASK 8	HISTORICAL RESEARCH	\$4,121.60	Lump Sum
TASK 8 & 9	ENVIRONMENTAL EVALUATION & PERMITTING AND TREE INVENTORY, CONDITION, RISK, & IMPACT ASSESSMENT	\$62,350.73	Lump Sum
TASK 10	STRUCTURES	\$537,278.73	Lump Sum
TASK 11	TRAFFIC ANALYSIS & SIGNALIZATION ANALYSIS AND PLANS	\$101,675.26	Lump Sum
TASK 12	SIGNING & PAVEMENT MARKING ANALYSIS AND PLANS	\$30,906.19	Lump Sum
TASK 13	LIGHTING ANALYSIS & PLANS	\$59,932.46	Lump Sum
TASK 14	GEOTECHNICAL	\$356,236.42	Lump Sum
TASK 15	CONTAMINATION	\$16,268.13	Lump Sum
TASK 16	SURVEY	\$0	Lump Sum
TOTAL LUMP SUM FEE		\$1,829,285.17	

OPTIONAL SERVICES			
CRAS		\$18,267.96	Lump Sum
POST DESIGN		\$180,000.00	Lump Sum
CONTINGENCY		\$75,000.00	
TOTAL FEE		\$2,102,553.13	

For any Contingency Services performed, the COUNTY agrees to pay the **CONSULTANT** a negotiated fee based on the assignment up to a maximum amount not to exceed seventy-five thousand dollars (\$75,000.00) for all assignments performed. Contingency Services shall be performed only upon prior written authorization from the Director of Public Works or his/her designee.

VI. INVOICES & PROGRESS REPORTS

Invoicing must take place monthly and will include a progress report summarizing the work completed during the invoice period as well as a schedule update. The CONSULTANT must presubmit invoices to the Project Manager prior to an official monthly submittal. The final invoice will be marked "FINAL" on the invoice and be accompanied by a letter from the CONSULTANT stating that this is the Final Invoice and that compensation for tasks completed, as described in the Scope of Services Agreement, is now concluded.

VII. SCHEDULE

The CONSULTANT must provide a Microsoft Project Schedule with updates to be included with each monthly invoice submittal.

CONSULTANT'S services must commence upon receipt of written notice to proceed issued by the COUNTY. The CONSULTANT must complete the final design in accordance with the following or better project schedule:

PROJECT SCHEDULE

<u>Milestone</u> <i>Notice to Proceed</i>	<u>Due Date After Receiving NTP</u>
	<i>1</i> Calendar Day
Draft Alternatives Analysis	90 Calendar Days
21 Day County Review	
Final Alternatives Analysis	30 Calendar Days
21 Day County Review	
15% Line & Grade	60 Calendar Days
21 Day County Review	
60% Complete Plans Submittal	120 Calendar Days
21 Day County Review	
90% Complete Plans Submittal	90 Calendar Days
21 Day County Review	
100% Complete Plans Submittal	60 Calendar Days
21 Day County Review	
Final Plans Submittal	15 Calendar Days
21 Day County Review	
Total	612 Calendar Days

The COUNTY's design review period is twenty-one calendar days from the date of each milestone submittal. Any other delays beyond CONSULTANT'S control shall be documented in writing by the CONSULTANT and submitted to the COUNTY for consideration of a time extension.

Phase submittal reviews shall occur at the Draft Alternatives, Final Alternatives, 15%, 60%, 90%, 100%, and Final phases. The CONSULTANT shall submit a draft of any special conditions with the

60% and 90% design review submittal and final versions at the 100% design review submittal. Bid quantities, opinion of probable construction cost, design documents, and QC documents shall be submitted with each phase. The requirements for each design review shall be as specified in the COUNTY'S Design Stage Submittal Checklist provided in Appendix A. The CONSULTANT shall continue its design work during the review periods. The CONSULTANT shall respond to the COUNTY design review comments in writing and by making corresponding revisions to the plans. Written responses and plans revisions are to be included with the next design review submittal. The CONSULTANT shall respond to regulatory agencies review comments in the same manner. Design revisions are to be completed by the CONSULTANT at no additional time and/or cost unless the revisions result from the COUNTY making changes to the horizontal or vertical alignment or other changes of similar impact to the project design. In such cases, the COUNTY shall evaluate the CONSULTANT'S request for additional time and/or compensation. The COUNTY may require the CONSULTANT to make plans revisions and resubmit the plans at the same phase of completion if it is found that the plans do not meet the requirements of the Design Stage Submittal Checklist, or the plans are found to contain multiple and significant errors and omissions. No additional time shall be allotted to the CONSULTANT schedule if a resubmittal is required.

Name of Consultant:

Kissinger Campo & Associates Corp.

Project Staff Hour Summary

Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
0038790

Activity No.	Activity	Project Staff Hours												
		KCA	Tierra	DPS	Januns	IAA	Sub 5	Sub 6	Sub 7	Sub 8	Sub 9	Sub 10	Sub 11	Sub 12
3	Project Common and General Tasks	916												916
4	Roadway Analysis	998												998
5	Roadway Plans	192												192
6a	Drainage Analysis	830												830
6b	Drainage Plans	320												320
6c	Selective C&G	0												0
7	Utilities	0												0
8	Env. Permits and Env. Clearances	350			113	38								501
9	Structures - Summary, Misc. Tasks, Dwgs.	558												558
10	BDR	529												529
11	Temporary Bridge	0												0
12	Short Span Concrete Bridge	0												0
13	Medium Span Concrete Bridge	1318												1318
14	Structural Steel Bridge	0												0
15	Segmental Concrete Bridge	0												0
16	Movable Span	0												0
17	Retaining Walls	192												192
18	Miscellaneous Structures	43												43
19	Signing & Pavement Marking Analysis	118												118
20	Signing & Pavement Marking Plans	30												30
21	Signalization Analysis	422												422
22	Signalization Plans	69												69
23	Lighting Analysis	209												209
24	Lighting Plans	89												89
25	Landscape Analysis	0												0
26	Landscape Plans	0												0
27	Survey - Field and Office Support	0												0
28	Photogrammetry	0												0
29	Mapping	0												0
30	Terrestrial Mobile LiDAR	0												0
31	Architecture Development	0												0
32	Noise Barriers Impact Design Assessment	0												0
33	ITS Analysis	0												0
34	ITS Plans	0												0
35	Geotechnical	686												686
	Project Total	7,183			686	113	38	60						8,080
27	Survey Field Crew Days	0												0

Notes: 1. Staff hours for prime consultant come directly from each discipline's worksheet.
 2. Staff hours for subconsultants are to be entered manually into columns D through O.
 3. For workbooks prepared by subconsultants, their project hours will be totaled in column C.

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

WORK ACTIVITY	EMPLOYEE CLASSIFICATION							TOTAL STAFF HOURS		ON CADD PERCENT
	Hours from "Summary" sheet Grand Total	Project Manager Hours	Chief Engineer Hours	Senior Engineer Hours	Engineer Intern Hours	Senior Designer Hours	Eng Technician Hours	Chief Scientist Hours	St Environ Specialist Hours	
3. Project Common and Project General Tasks	916	275	46	137	92	46	0	0	46	46
4. Roadway Analysis	998	50	100	200	200	50	50	0	0	229
5. Roadway Plans	192	0	10	19	38	48	19	38	10	0
6a. Drainage Analysis	830	42	83	83	166	166	42	42	0	0
6b. Drainage Plans	320	0	16	32	64	80	32	64	16	0
6c. Selective C&G	0	0	0	0	0	0	0	0	0	0
7. Utilities	0	0	0	0	0	0	0	0	0	0
8. Environmental Permits and Env. Clearances	501	0	0	0	0	0	25	25	50	150
9. Structures - Misc. Tasks, Dwg's, Non-Tech.	558	28	56	167	140	112	56	0	0	0
10. Structures - Bridge Development Report	529	26	53	106	106	132	53	26	0	0
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0
13. Structures - Medium Span Concrete Bridge	1318	0	132	330	330	330	132	66	0	0
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0
17. Structures - Retaining Walls	192	0	19	48	48	48	19	10	0	0
18. Structures - Miscellaneous	43	0	4	13	9	11	4	2	0	0
19. Signing & Pavement Marking Analysis	118	0	12	41	30	24	12	0	0	0
20. Signing & Pavement Marking Plans	30	0	2	3	5	6	9	3	2	0
21. Signalization Analysis	422	0	42	148	106	84	42	0	0	0
22. Signalization Plans	69	0	3	7	10	14	21	7	3	0
23. Lighting Analysis	209	0	21	73	52	42	21	0	0	0
24. Lighting Plans	89	0	4	9	13	18	27	9	4	0
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0
29. Mapping	0	0	0	0	0	0	0	0	0	0
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0
31. Architecture Development	0	0	0	0	0	0	0	0	0	0
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0
34. Intelligent Transportation Systems Plans	686	0	0	0	0	0	0	0	0	0
35. Geotechnical	8020	421	603	1316	1409	1361	813	342	152	379
TOTALS										7,341
										8,075

Notes:
 1. This worksheet provides the distribution of the grand total staff hours for a project.
 2. Percentages for staff hour distribution by classification are entered below in rows 65 to 99 of this sheet.
 3. Total Staff Hours (column O) may not match staff hours from "Summary worksheet" (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.
 4. Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.
 5. This spreadsheet to be provided in Technical Proposals for Districts that require a breakdown of hours by classification.

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

Financial Project Number: 003879D
 FAP Number: NA

	Hours from "Summary sheet Grand Total"	Project Manager	Chief Engineer	Senior Engineer	Engineer Intern	Engineer	Senior Designer	Designer	Sr Eng Technician	Eng Technician	Chief Scientist	Sr Environ Specialist	Scientist	Total
3. Project Common and Project General Tasks	916	30.0%	5.0%	15.0%	10.0%	5.0%	0.0%	0.0%	5.0%	5.0%	5.0%	25.0%	0.0%	100.00%
4. Roadway Analysis	998	5.0%	10.0%	10.0%	20.0%	20.0%	5.0%	5.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
5. Roadway Plans	192	0.0%	5.0%	10.0%	20.0%	23.0%	10.0%	20.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
6a. Drainage Analysis	830	5.0%	10.0%	10.0%	20.0%	20.0%	5.0%	5.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
6b. Drainage Plans	320	0.0%	5.0%	10.0%	20.0%	25.0%	10.0%	20.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
6c. Selective C&G	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
7. Utilities	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
8. Environmental Permits and Env. Clearances	501	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.0%	5.0%	10.0%	30.0%	30.0%	20.0%
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	558	5.0%	10.0%	30.0%	25.0%	20.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
10. Structures - Bridge Development Report	529	5.0%	10.0%	20.0%	20.0%	25.0%	10.0%	5.0%	0.0%	5.0%	0.0%	0.0%	0.0%	100.00%
11. Structures - Temporary Bridge	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
12. Structures - Short Span Concrete Bridge	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
13. Structures - Medium Span Concrete Bridge	1318	0.0%	10.0%	25.0%	25.0%	25.0%	10.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
14. Structures - Structural Steel Bridge	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
15. Structures - Segmental Concrete Bridge	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
16. Structures - Movable Span	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
17. Structures - Retaining Walls	192	0.0%	10.0%	25.0%	25.0%	25.0%	10.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
18. Structures - Miscellaneous	43	0.0%	10.0%	30.0%	20.0%	25.0%	10.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
19. Signing & Pavement Marking Analysis	118	0.0%	10.0%	35.0%	25.0%	20.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
20. Signing & Pavement Marking Plans	30	0.0%	5.0%	10.0%	15.0%	20.0%	20.0%	30.0%	10.0%	5.0%	5.0%	0.0%	0.0%	100.00%
21. Signalization Analysis	422	0.0%	10.0%	35.0%	25.0%	20.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
22. Signalization Plans	69	0.0%	5.0%	10.0%	15.0%	20.0%	20.0%	30.0%	10.0%	5.0%	5.0%	0.0%	0.0%	100.00%
23. Lighting Analysis	209	0.0%	10.0%	35.0%	25.0%	20.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
24. Lighting Plans	89	0.0%	5.0%	10.0%	15.0%	20.0%	20.0%	30.0%	10.0%	5.0%	5.0%	0.0%	0.0%	100.00%
25. Landscape Analysis	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
26. Landscape Plans	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
27. Survey/Field & Office Support	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
28. Photogrammetry	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
29. Mapping	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
30. Terrestrial Mobile LiDAR	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
31. Architecture Development	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
32. Noise Barriers Impact Design Assessment	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
33. Intelligent Transportation Systems Analysis	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
34. Intelligent Transportation Systems Plans	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
35. Geotechnical	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%

Note: This spreadsheet to be used in Technical Proposal for Districts requiring the Grand Total hours be provided along with percentage distribution by classification.

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

Financial Project Number:	0038790	Project Name: McMullen Booth Road Bridge Northbound Off-Ramp Over													
FAP Number:	NA	Name of Consultant: KCA / Terra													
EMPLOYEE CLASSIFICATION											Date: 10/15/2025				
TOTAL STAFF HOURS											ON CADD RANGE				
WORK ACTIVITY	Hours from "Summary" sheet	Chief Engineer 2	Chief Scientist	Engineer 1	Engineer 2	Engineering Intern	Engineering Technician	Principal Engineer	Secretary/Clerical	Senior Designer	Senior Engineer 1	Senior Engineer 2	Senior Engineering Technician	Total	ON CADD RANGE
Grand Total						Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	ON CADD RANGE	
Hours														PERCENT	
35. Geotechnical	686	34	0	34	34	206	69	34	34	69	69	34	69	686	755
TOTALS	686	34	0	34	34	206	69	34	34	69	69	34	69	686	755

Notes:

1. This worksheet provides the distribution of the Grand Total staff hours for a project.
2. Percentages for staff hour distribution by classification are entered below in rows 65 to 99 of this sheet.
3. Total Staff Hours column O may not match staff hours from Summary Worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.
4. Formulas under 'Total Staff Hours Range' (columns O & P) may be adjusted to provide desired range.
5. This spreadsheet is to be provided in Technical Proposals for Districts that require a breakdown of hours by classification.

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

Financial Project Number:	0038790	Project Name: McMullen Booth Road Bridge Northbound													
FAP Number:	NA	Name of Consultant: KCA / Terra													
Staff Hour Distribution Percentages - Grand Total											Date: 10/15/2025				
Staff Hour Distribution Percentages - Grand Total											Project Name: McMullen Booth Road Bridge Northbound				
WORK ACTIVITY	Hours from "Summary" sheet	Chief Engineer 2	Chief Scientist	Engineer 1	Engineer 2	Engineering Intern	Engineering Technician	Principal Engineer	Secretary/Clerical	Senior Designer	Senior Engineer 1	Senior Engineer 2	Senior Engineering Technician	Total	Project Name: McMullen Booth Road Bridge Northbound
Grand Total														Project Name: McMullen Booth Road Bridge Northbound	
Hours														Project Name: McMullen Booth Road Bridge Northbound	
35. Geotechnical	686	5.0%	0.0%	5.0%	5.0%	30.0%	10.0%	5.0%	5.0%	10.0%	5.0%	10.0%	100.0%	Project Name: McMullen Booth Road Bridge Northbound	

Note: This spreadsheet is to be used in Technical Proposals for Districts requiring the Grand Total hours be provided along with percentage distribution by classification.

Financial Project Number: 003879D
FAP Number: N/A

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

Project Name: McMullen Booth Road Bridge Northbound Off-Ramp O
Date: 10/15/2025 Name of Consultant: DPS

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION						TOTAL STAFF HOURS	ON CADD
		Chief Scientist	MAT Project Manager	Senior Engineering Technician	-	-	-		
Grand Total	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
8. Environmental Permits and Env. Clearances	113	0	0	0	0	0	0	0	0
TOTALS	0	0	0	0	0	0	0	0	0

Notes:

1. This worksheet provides the distribution of the Grand total staff hours for a project.
2. Percentages for staff hour distribution by classification are entered below in rows 65 to 99 of this sheet.
3. Total Staff Hours (column O) may not match staff hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.
4. Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.
5. This spreadsheet to be provided in Technical Proposals for Districts that require a breakdown of hours by classification.

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

Project Name: McMullen Booth Road Bridge Northbound O
Date: 10/15/2025 Name of Consultant: DPS

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION						TOTAL STAFF HOURS	ON CADD
		Chief Scientist	MAT Project Manager	Senior Engineering Technician	-	-	-		
Grand Total	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
8. Environmental Permits and Env. Clearances	113	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TOTALS	0	0	0	0	0	0	0	0	0

Note: This spreadsheet to be used in Technical Proposal for Districts requiring the Grand Total hours be provided along with percentage distribution by classification.

Financial Project Number: **EAP Number:**

Project Name: McMullen Booth Road Bridge Northbound Off-Ramp C
Name of Consultant: Janus Research Inc

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

0003879D

N/A

Notes:

1. This worksheet provides the distribution of the grand total staff hours for a project.
2. Percentages for staff hour distribution by classification are entered below in rows 65 to 99 of this sheet.
3. Total Staff Hours (column O) may not match Staff hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.
4. Formulas under "Total O & P" (columns O & P) may be adjusted to provide desired range.
5. This spreadsheet is to be provided in Technical Proposals for Districts that require a breakdown of hours by classification.

0 4-person crew

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

Financial Project Number: **EAP Number:**

100

8. Environmental Permits and Env. Clearances				Staff Hours
	Hours from "Summary" Sheet Grand Total	Project Manager	Chief Archaeologi st	Senate Archaeologi st
	38	2.0%	10.0%	14.0%

Note: This spreadsheet to be used in Technical Proposal for Districts requiring the Grand Total hours be provided along with percentage distribution by classification

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:

003879D

FAP Number:

N/A

Project Name: McMullen Booth Road Bridge Northbound

Name of Consultant: Kisinger Campo & Associates Corp.

Date: 10/15/2025

Work Activity	Hours from Summary sheet	Employee Classification										Total Staff Hours Range	Total ON CADD Hours	ON CADD Percent
		Project Manager Hours	Chief Engineer Hours	Senior Engineer Hours	Engineer Intern Hours	Engineer Hours	Senior Designer Hours	Designer Hours	St Eng Technician Hours	Eng Technician Hours	Chief Scientist Hours	St Environ Specialist Hours		
3. Project Common and Project General Tasks	916	275	46	137	92	46	0	0	46	46	229	0	917	1009
4. Roadway Analysis	988	50	100	200	200	50	50	0	0	0	0	1000	1100	
5. Roadway Plans	192	0	10	19	38	48	19	38	10	10	0	0	192	211
6a. Drainage Analysis	830	42	83	83	166	166	42	42	42	0	0	0	832	915
6b. Drainage Plans	320	0	16	32	64	80	32	64	16	16	0	0	320	352
6c. Selective C&G	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Environmental Permits, and Env. Clearances	350	0	0	0	0	0	0	18	18	35	105	70	351	386
9. Structures - Misc. Tasks, Drgs, Non-Tech.	568	28	56	167	140	112	56	0	0	0	0	0	559	615
10. Structures - Bridge Development Report	529	26	53	106	106	132	53	26	0	0	0	0	528	581
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13. Structures - Medium Span Concrete Bridge	1318	0	132	330	330	132	66	0	0	0	0	0	1320	1452
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17. Structures - Retaining Walls	192	0	19	48	48	48	19	10	0	0	0	0	192	211
18. Structures - Miscellaneous	43	0	4	13	9	11	4	2	0	0	0	0	43	47
19. Signing & Pavement Marking Analysis	118	0	12	41	30	24	12	0	0	0	0	0	119	131
20. Signing & Pavement Marking Plans	30	0	2	3	5	6	9	3	2	2	0	0	32	35
21. Signalization Analysis	422	0	42	148	106	84	42	0	0	0	0	0	422	464
22. Signalization Plans	69	0	3	7	10	14	21	7	3	3	0	0	68	75
23. Lighting Analysis	209	0	21	73	52	42	21	0	0	0	0	0	209	230
24. Lighting Plans	89	0	4	9	13	18	27	9	4	4	0	0	88	97
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	7,183	421	603	1,316	1,409	1,361	813	335	145	234	151	334	70	7,192

Field Survey Estimate:

0 4-person crew days

1. This worksheet provides the distribution of a firm's total staff hours for a project.
2. Percentages for staff hour distribution by classification are entered below in rows 64 to 98 of this sheet.
3. Total Staff Hours (column O) may not match staff hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.
4. Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:

0636790

Project Name: McMullen Booth Road Bridge Northbound

FAP Number:

Name of Consultant: Kisinger Campo & Associates Corp

Date: 10/15/2025

Staff Hour Distribution Percentages - Firm Total

	Hours from 'Summary' sheet Firm Total	Project Manager	Chief Engineer	Senior Engineer	Engineer Intern	Senior Designer	Designer	Sr Eng Technician	Eng Technician	Chief Scientist	Sr Environ Specialist	Scientist	Total
3. Project Common and Project General Tasks	916	5.0%	15.0%	10.0%	0.0%	0.0%	0.0%	5.0%	5.0%	25.0%	0.0%	0.0%	100.00%
4. Roadway Analysis	998	5.0%	10.0%	20.0%	20.0%	20.0%	20.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
5. Roadway Plans	192	0.0%	5.0%	10.0%	20.0%	25.0%	10.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
6a. Drainage Analysis	830	5.0%	10.0%	20.0%	20.0%	20.0%	5.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
6b. Drainage Plans	320	5.0%	10.0%	20.0%	25.0%	10.0%	20.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
6c. Selective C&G	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
7. Utilities	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
8. Environmental Permits, and Env. Clearances	350	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.0%	10.0%	30.0%	30.0%	20.0%	100.00%
9. Structures - Misc. Tasks, Digs, Non-Tech.	588	5.0%	10.0%	30.0%	25.0%	20.0%	10.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
10. Structures - Bridge Development Report	529	5.0%	10.0%	20.0%	20.0%	25.0%	10.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
11. Structures - Temporary Bridge	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
12. Structures - Short Span Concrete Bridge	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
13. Structures - Medium Span Concrete Bridge	1318	0.0%	10.0%	25.0%	25.0%	25.0%	10.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
14. Structures - Segmental Steel Bridge	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
15. Structures - Segmental Concrete Bridge	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
16. Structures - Movable Span	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
17. Structures - Retaining Walls	192	0.0%	10.0%	25.0%	25.0%	25.0%	10.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
18. Structures - Miscellaneous	43	0.0%	10.0%	30.0%	25.0%	25.0%	10.0%	5.0%	5.0%	0.0%	0.0%	0.0%	100.00%
19. Signing & Pavement Marking Analysis	118	0.0%	10.0%	35.0%	35.0%	25.0%	20.0%	10.0%	10.0%	0.0%	0.0%	0.0%	100.00%
20. Signing & Pavement Marking Plans	30	0.0%	5.0%	10.0%	15.0%	20.0%	30.0%	10.0%	5.0%	5.0%	0.0%	0.0%	100.00%
21. Signalization Analysis	422	0.0%	10.0%	35.0%	25.0%	20.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
22. Signalization Plans	69	0.0%	5.0%	10.0%	15.0%	20.0%	30.0%	10.0%	5.0%	5.0%	0.0%	0.0%	100.00%
23. Lighting Analysis	209	0.0%	10.0%	35.0%	25.0%	20.0%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
24. Lighting Plans	89	0.0%	5.0%	10.0%	15.0%	20.0%	30.0%	10.0%	5.0%	5.0%	0.0%	0.0%	100.00%
25. Landscape Analysis	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
26. Landscape Plans	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
27. Survey (Field & Office Support)	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
28. Photogrammetry	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
29. Mapping	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
30. Terrestrial Mobile LiDAR	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
31. Architecture Development	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
32. Noise Barriers Impact Design Assessment	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
33. Intelligent Transportation Systems Analysis	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
34. Intelligent Transportation Systems Plans	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
35. Geotechnical	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Taron Outfall Canal														
FAP Number:	Project Name: <u>003879D</u>														
	Name of Consultant: <u>N/A</u>														
	EMPLOYEE CLASSIFICATION														
Work Activity	Hours from 'Summary' sheet	Chief Engineer 2	Chief Scientist	Engineer 1	Engineer 2	Engineering Intern	Engineering Technician	Principal Engineer	Secretary/Clerical	Senior Designer	Senior Engineer 1	Senior Engineer 2	Senior Engineering Technician	TOTAL STAFF HOURS	ON CADD
Firm Total	Firm Total	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	RANGE	PERCENT
35. Geotechnical	686	34	0	103	103	69	34	33	69	69	0	69	686	755	755
TOTALS	686	34	0	103	103	69	34	33	69	69	0	69	686	755	755
													FIRM TOTAL	686	755
Field Survey Estimate: <u>0</u> 4-person crew days															

Notes:

1. This worksheet provides the distribution of a firm's total staff hours for a project.
2. Percentages for staff hour distribution by classification are entered below in rows 64 to 98 of this sheet.
3. Total Staff Hours (column O) may not match staff hours from 'Summary' worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.
4. Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.

5. Value hard entered to account for rounding.

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	McMullen Booth Road Bridge Northbound													
FAP Number:	Project Name: <u>003879D</u>													
	Name of Consultant: <u>N/A</u>													
	Staff Hour Distribution Percentages - Firm Total													
Work Activity	Hours from 'Summary' sheet Firm Total	Chief Engineer 2	Chief Scientist	Engineer 1	Engineer 2	Engineering Intern	Engineering Technician	Principal Engineer	Secretary/Clerical	Senior Designer	Senior Engineer 1	Senior Engineer 2	Senior Engineering Technician	Total
Firm Total	Firm Total	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	PERCENT
35. Geotechnical	686	5.0%	0.0%	15.0%	15.0%	15.0%	10.0%	5.0%	5.0%	10.0%	10.0%	0.0%	10.0%	100.00%
TOTALS	686	5.0%	0.0%	15.0%	15.0%	15.0%	10.0%	5.0%	5.0%	10.0%	10.0%	0.0%	10.0%	100.00%
													Total	100.00%

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:

003879D

Project Name: McMullen Booth Road Bridge Northbound

EAP Number:

Name of Consultant: Janus Research Inc

Date: 10/15/2025

WORK ACTIVITY	EMPLOYEE CLASSIFICATION	TOTAL STAFF HOURS										ON CADD		
		STAFF CLASSIFICATION					STAFF CLASSIFICATION					RANGE	PERCENT	
		Project Manager	Chief Archaeologist	Senior Archaeologist	Archaeologist	Scientist	Graphics Designer	Secretary/Clerical	Scientist	Archaeologist	Chief Scientist	Hours		
Firm Total	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
8. Environmental Permits and Env. Clearances	38	1	4	5	0	8	0	18	1	0	0	0	0	37
TOTALS	38	1	4	5	0	8	0	18	1	0	0	0	0	41

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ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS: FIRM TOTAL

Financial Project Number:

Project Name McMullen Booth Road Bridge Northbound

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT													
Name of Project: County: FPN: FAP No.:	McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal Pinellas 038879D N/A												
Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager	Chief Engineer	Senior Engineer	Engineer	Engineer Intern	Senior Designer	Designer	Sr Eng Technician	Eng Technician	Chief Scientist	Sr Environ Scientist	Scientist
3. Project Common and Project General Tasks	\$202.43	\$301.12	\$254.86	\$198.48	\$127.53	\$179.49	\$156.02	\$126.04	\$107.27	\$249.72	\$191.10	\$103.33	
4. Roadway Analysis	916	275	46	137	92	46	0	0	46	46	229	0	
5. Roadway Plans	998	50	100	200	200	200	50	50	50	50	0	0	
6a. Drainage Analysis	192	0	10	19	38	48	19	38	10	10	0	0	
6b. Drainage Plans	830	42	83	83	166	166	64	42	42	42	0	0	
6c. Selective 2&G	320	0	16	32	64	80	32	64	16	16	0	0	
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	
8. Environmental Permits and Env. Clearances	350	0	0	0	0	0	0	0	18	35	105	70	
9. Structures, Misc. Tasks, Dsgn, Non-Tech.	558	28	56	167	140	112	56	0	0	0	0	0	
10. Structures - Bridge Development Report	529	26	53	106	106	132	53	26	0	26	0	0	
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	
13. Structures - Medium Span Concrete Bridge	1,318	0	132	330	330	330	132	66	0	0	0	0	
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	
16. Structures - Modular Span	0	0	0	0	0	0	0	0	0	0	0	0	
17. Structures - Retaining Walls	192	0	19	48	48	48	19	10	0	0	0	0	
18. Structures - Miscellaneous	43	0	4	13	9	11	4	2	0	0	0	0	
19. Staking & Pavement Marking Analysis	118	0	12	41	30	24	12	0	0	0	0	0	
20. Staking & Pavement Marking Plans	30	0	2	3	5	6	9	3	2	2	0	0	
21. Stabilization Analysis	422	0	42	148	106	84	42	0	0	0	0	422	
22. Stabilization Plans	69	0	3	7	10	14	21	7	3	3	0	68	
23. Lighting Analysis	209	0	21	73	52	42	21	0	0	0	0	209	
24. Lighting Plans	89	0	4	9	13	18	27	9	4	4	0	88	
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	
Total Staff Hours	7,183	421	603	1,316	1,409	813	335	145	234	151	334	70	
Total Staff Cost	\$1,23,113.03	\$181,675.36	\$336,395.76	\$270,658.32	\$45,925.37	\$1,827,75.80	\$25,101.18	\$37,701.72	\$63,827.40	\$7,233.10	\$1,443,648.07	\$200.73	

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.

Consultant Name: Kislinger Campo & Associates Corp. Consultant No.: Date: 10/29/2025 Estimator: Insert name	SH By	Cost By	Salary By	Cost By	Salary By	Cost By	Salary By	Cost By	Salary By	Cost By	Salary By	Cost By
3. Project Common and Project General Tasks	\$1,23,113.03	\$181,675.36	\$336,395.76	\$270,658.32	\$45,925.37	\$1,827,75.80	\$25,101.18	\$37,701.72	\$63,827.40	\$7,233.10	\$1,443,648.07	\$200.73
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	\$1,443,648.07	\$200.73
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	\$36,236.42	\$0.00
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	\$16,268.13	\$0.00
6c. Selective 2&G	0	0	0	0	0	0	0	0	0	0	\$4,121.60	\$0.00
7. Utilities	0	0	0	0	0	0	0	0	0	0	\$9,010.95	\$0.00
8. Environmental Permits and Env. Clearances	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
9. Structures, Misc. Tasks, Dsgn, Non-Tech.	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
16. Structures - Modular Span	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
19. Staking & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
20. Staking & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
21. Stabilization Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
22. Stabilization Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
29. Mapping	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
Total Staff Hours	7,183	421	603	1,316	1,409	813	335	145	234	151	334	70
Total Staff Cost	\$1,23,113.03	\$181,675.36	\$336,395.76	\$270,658.32	\$45,925.37	\$1,827,75.80	\$25,101.18	\$37,701.72	\$63,827.40	\$7,233.10	\$1,443,648.07	\$200.73

SALARY RELATED COSTS:												
OVERHEAD:	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SubTOTAL ESTIMATED FEE:												
Subconsultant: Terra												
Subconsultant: DS												
Subconsultant: Januns												
Subconsultant: IAA												
Subconsultant: Sub 5												
Subconsultant: Sub 6												
Subconsultant: Sub 7												
Subconsultant: Sub 8												
Subconsultant: Sub 9												
Subconsultant: Sub 10												
Subconsultant: Sub 11												
Subconsultant: Sub 12												
SubTOTAL ESTIMATED FEE:												
Geotechnical Field and Lab Testing												
SubTOTAL ESTIMATED FEE:												
Optional Services												
GRAND TOTAL ESTIMATED FEE:												

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
 County: Pinellas
 FPN: 003879D
 FAP No.: N/A

Consultant Name: KCA / Tierra
 Consultant No.: 651-125-093
 Date: 10/15/2025

Estimator: Tierra, Inc (JRA, LPM)

Staff Classification	Total Staff Hours From "Sh Summary Firm"	Chief Engineer 2	Chief Scientist	Engineer 1	Engineer 2	Engineering Intern	Engineering Technician	Principal Engineer	Secretary/Clerical	Senior Designer	Senior Engineer 1	Senior Engineer 2	Senior Engineer Technician	SH By Activity	Salary Cost By Activity	Average Rate Per Task
35. Geotechnical	\$241.96	\$189.87	\$165.48	\$164.67	\$127.08	\$97.98	\$259.46	\$119.09	\$141.70	\$241.70	\$197.11	\$135.54	\$110.052	\$160.43	\$160.43	
Total Staff Hours	686	34	0	103	103	69	34	33	69	69	69	69	69	686	\$110.052	\$160.43
Total Staff Cost	\$8,328.64	\$0.00	\$17,044.44	\$16,961.01	\$13,089.24	\$8,760.62	\$3,921.64	\$3,929.97	\$9,777.30	\$16,677.30	\$8,862.26	\$8,862.26	\$110.052.42	\$110.052.42	\$110.052.42	

SALARY RELATED COSTS:

OVERHEAD:	0%	\$110.052.42
OPERATING MARGIN:	0%	\$0.00
FCFM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
SUBTOTAL ESTIMATED FEE:		\$110,052.42
Survey (Field)	0	4-person crew \$ - / day
Geotechnical Field, Lab Testing & MOT		\$246,184.00
SUBTOTAL ESTIMATED FEE:		\$356,236.42
Optional Services		\$0.00
GRAND TOTAL ESTIMATED FEE:		\$356,236.42

Notes:

1. This sheet to be used by Subconsultant to calculate its fee.
2. Value hard entered to account for rounding.

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
 County: Pinellas
 FPN: 003879D
 FAP No.: N/A

Consultant Name: DPS
 Consultant No.: GE025008
 Date: 10/15/2025
 Estimator: DRP

Staff Classification	Total Staff Hours From "SH Summary Firm"	Chief Scientist	MAT Project Manager	Senior Engineering Technician	-	-	-	-	-	-	-	SH By Activity	Salary Cost By Activity	Average Rate Per Task
8. Environmental Permits and Env. Clearances	\$176.89	\$176.89	\$81.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$138.64
Total Staff Hours	\$1952.92	113	28	39	45	0	0	\$15,528.13						
Total Staff Cost														\$15,528.13

SALARY RELATED COSTS:														
OVERHEAD: []														
OPERATING MARGIN:														
FCCM (Facilities Capital Cost Money):														
EXPENSES: []														
SUBTOTAL ESTIMATED FEE:														
Survey (Field)														
Geotechnical Field and Lab Testing														
SUBTOTAL ESTIMATED FEE:														
Contamination Field and Test Units														
GRAND TOTAL ESTIMATED FEE:														
\$16,263.13														

Notes:

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

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
 County: Pinellas
 FPN: 003879D
 FAP No.: N/A

Consultant Name: IAA - Independence Acquisition & Appraisal
 Consultant No.: **enter consultants proj. number**
 Date: 10/29/2025

Estimator: **insert name**

Staff Classification	Total Staff	Project Manager	Acquisition Agent	Appraisal Assistant	Research	Hours From "SH Summary Firm"	SH By Activity	SH Cost By Activity	Salary Rate Per Task
Right of Way Cost Estimating	60	30	\$125.00	\$100.56	\$0.00	\$0.00	\$0.00	\$0.00	\$150.18
Total Staff Hours	60	30	15	15	0	0	0	0	60
Total Staff Cost		\$5,627.70	\$1,875.00	\$1,509.25	\$0.00	\$0.00	\$0.00	\$0.00	\$9,010.95

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

SALARY RELATED COSTS:	
OVERHEAD:	0%
OPERATING MARGIN:	0%
FCCM (Facilities Capital Cost Money):	0.00%
EXPENSES:	0.00%
SUBTOTAL ESTIMATED FEE:	\$9,010.95
Survey (Field)	0
4-person crew	\$ - / day
Geotechnical Field and Lab Testing	\$0.00
OPTIONAL SERVICES	\$0.00
GRAND TOTAL ESTIMATED FEE:	\$9,010.95

Project Activity 3: General Tasks

Estimator:	McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal					
	003879D					
Representing	Print Name					
Pinellas County						
Consultant Name						
NOTE: Signature Block is optional, per District preference						
Task No.	Task	Units	No of Units	Hours/Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	County will provide a Community Awareness Plan to KCA before PI deliverables are prepared.
3.1.2	Notifications	LS	1	16	16	County will prepare notifications, newsletter, press releases, social media posts for 2 meetings and through project. County will mail out the notifications. KCA will provide support write-ups and project specific graphics for the newsletter mailout and review County notifications to ensure project consistency and requirements are met. (16)
3.1.3	Preparing Mailing Lists	LS	1	0	0	County will provide the appropriate mailing lists and update, as needed. County will mail out the notifications.
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	4	4	See above
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Rendings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation (2)	LS	1	82	82	prepare powerpoint for 1st meeting (40hrs) and update for 2nd (16) - provide voice over included (26hrs)
3.1.9	Public Meeting Preparations (2)	LS	1	98	98	Assume 4 simple boards (3*4 = 12) and 4 content boards (5*4 = 20) = 32 * 2 meetings = 64 hours. Prepare, update after comments, QC, print. Various meeting materials (sign in sheets, handouts, comment forms, name tags, etc) = 12 hours x 2 meetings = 24 hours. Virtual dry runs (5 staff * 1 hour = 5 hours x 2 meetings = 10 hours). Assume in person hours = worst case.
3.1.10	Public Meeting Attendance/Followup (2)	LS	1	100	100	Attendance at in-person meetings (5 staff x (2 hours travel, 2 hours prep and breakdown, 2 hour meetings) = 30 hours x 2 meetings = 60 hours. Summary Reports, draft, final = 20 x 2 = 40 hours.
3.1.11	Other Agency Meetings	LS	1	8	8	Prepare graphics or related info for one-on-ones with stakeholders and/or property owners
3.1.12	Web Site (24 months)	LS	1	44	44	County PM will provide informational support, provide project information to the County such as location map, brief description, schedule, meeting info. Minimal Effort - 20 hrs initial + 1 hrs/month for 24 months
3.1 Public Involvement Subtotal						352
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	18	18	Prepare the construction specifications package based on County specifications with project specific technical specifications and special provisions.
3.3.2	Estimated Quantities Report Preparation	Report Components	0	Calculated Hours 0	0	N/A (no County equivalent to EQ report)
3.4	Contract Maintenance and Project Documentation	LS	1	180	180	Assumed 20 hours initial project setup. 4 hours monthly x 18 months = 72 hours . 8 hours final project close out + Coordination with disciplines and subconsultants - 80 hrs Total = 180 hrs
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	248	248	See listing below
3.7	Plans Update	LS	1	0	0	

Task No.	Task	Units	No of Units	Hours/Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	100	100	Bid support estimate - Includes tasks during advertisement/bidding which may/may not be limited to: responses to bidder prequalifications review, bidder question review and responses, bid analysis, recommendation of award, and other support as needed by the County. Post Design is not included in staff hours but is separate NTE. Optional Services item as dollar amount.
3.9	Digital Delivery	LS	1	18	18	Assumes involvement from Roadway/Drainage/Structures/Traffic/Geotech (6 hours initial + 3 hrs * 4 additional signatures)
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	N/A
3.11.1	Aeronautical Evaluation	LS	1	0	0	N/A
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1	0	0	
3. Project Common and Project General Tasks Total				916		
3.6 List of Project Manager Meetings						
	Units	No of Units	Hours/Unit	Total Hours		Comments
Roadway Analysis	EA	11	4	44		Prepare agenda, travel time, meeting notes
Drainage	EA	6	4	24		
Selective C&G	EA	0	0	0		
Utilities	EA	2	4	8		must attend utility coordination meetings to be held after the 60% design submittal and prior to the 100% final decision submittal
Environmental	EA	6	4	24		
Structures	EA	10	4	40		
Signing & Pavement Marking	EA	1	4	4		
Signalization	EA	4	4	16		
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	1	4	4		
Progress Meetings	EA	48	1.5	72		bi-weekly meetings assuming 24 month design schedule. Includes agenda and minutes preparation. 48 meetings @ 1.5 hours each = 72 hours
Phase Reviews	EA	0	0	0		
Field Reviews	EA	3	4	12		
Total Project Manager Meetings		92		248		Total PM Meeting Hours carries to Task 3.6 above

Notes:

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

Estimator: Allen Stewart	4. Roadway Analysis Staff Hours							McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal 003879D	
Representing	Print Name							Signature / Date	
Pinellas County									
Kislinger Campo & Associates Corp.									
NOTE: Signature Block is optional, per District preference									
Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	
What is the overall project complexity? (See Roadway Guidelines)									
4.1	Typical Section Package	Cover	1	Mid	6	0	6	6	N/A
		Typical	3	2-Lane FS & Ramos	18	0	18	18	3 alternative section for alts analysis
		Typical	0	2-Lane C & Multi-Lane FS	0	0	0	0	
		Typical	0	LA w/ Barrier & Multi-Lane C	0	0	0	0	
4.2	Pavement Type Selection Report	Report	1		0	0	0	0	N/A
4.3	Pavement Design Package	Report & Assembly	1	Low	24	0	24	24	Offramp from multi-lane high-speed arterial, widens from single lane to 4 lanes @ intersection approach
		Pav Designs	1	Travel/Aux. Lanes	8	0	8	8	McMullen Booth NB offramp
		Pav Designs	1	Other Roads & Shoulders	4	0	4	4	MCMullen Booth NB offramp shoulders
4.4	Cross Slope Analysis (lanes and shoulders)	X-Slope Assessment	0.25	Undivided Roadway	1	0	4	4	1-4 lanes, single direction of travel (offramp); analyze multiple lanes
		X-Slope Assessment	0.00	Divided Roadway	0	0	0	0	N/A
4.5	Safety Analysis	Concepts for Corrections	1		6	0	6	6	Assumes need for cross slope correction of existing curve/development of superelevation for proposed/widening
		HSM Assessment			0	0	0	0	N/A
4.6	Design Analysis	Crash Analysis	1	Simple	8	0	8	8	For the alternatives analysis and variations
		Monitor Exist. Structures	1	Mid	8	0	8	8	Bridge replacement likely to involve vibratory work, significant utilities and private businesses nearby
		Access Management	0.25	Mid	2	0	2	2	Alternatives analysis of ramps, evaluate driveway to private business @ Tampa Rd intersection
4.7	Operational Analysis	Roundabout	0	1x1 Roundabout	0	0	0	0	N/A
		Roundabout	0	1x2 Roundabout	0	0	0	0	N/A
		Roundabout	0	2x2 Roundabout	0	0	0	0	N/A
4.8	Design Reports	RRR	1	Standard	60	0	40	40	Roadway Design Report/Doc. This document will include project specific calculations and decision such as horizontal, vertical, SE, etc.
		Other Reports			80	0	80	80	Alternatives Analysis Report
4.9	Design Variations and Exceptions	Variation Memo	2		12	0	12	12	Border width, horizontal curve length per scope
		Formal Variation	1		24	0	24	24	superelevation rate per scope
		Design Exception	0		0	0	0	0	N/A
4.10	Master Design File Setup & Maintenance, Model Management Plan	LS	1	Low	30	0	30	30	Offramp from multi-lane high-speed arterial, widens from single lane to 4 lanes @ intersection approach
4.11	Horizontal /Vertical Master Design Files	Mainline	0.25	Low	44	0	44	44	NOTE: "mainline" is a ramp
		Side Road & Ramps	0.00	Low	0	0	0	0	See above
		Frontage Road	0.00	Low	0	0	0	0	N/A
		Mainline	0.25	Mid	27	0	27	27	NOTE: "mainline" is a ramp; includes cross sections
4.12	3D Modeling Development	Side Road & Ramps	0.00	Low	0	0	0	0	See above
		Frontage Road	0.00	Low	0	0	0	0	N/A
		AMG Files	0	Low	0	0	0	0	N/A
		TTCP Analysis	LS	1	Upper	100	0	100	100
4.13	TTCP Master Design Files	Length (Phase-Miles)	1.50	Upper	60	0	60	60	Assumes 0.5 miles of traffic control from south of NB MMB ramp gore through the intersection with 3 phases
		Pedestrian	1	Simple	24	0	24	24	No pedestrian facilities along offramp/bridge, minimal pedestrian interaction with project @ Tampa Rd intersection
		TTCP 3D Modeling (Isolated Locations)	Locations	1	Upper	16	0	16	16
4.14	Utility Data Collection & Analysis	LS	1	Mid	12	0	12	12	Moderate complexity of known utilities
4.15	Roadway Quantities for EQ Report	Length (Miles)	0.25	Above	5	0	80	80	EO report not applicable but quantities will be developed manually. 80 hours total to develop roadway quantities and update for every submittal from concept to Final plans and used for the engineer's estimate
		Interchanges/Rest Areas	0		0	0	0	0	
		Validation	0	Mid	0	0	0	0	No EO report - typical Pinellas County quantities to be provided
4.16	TTCP Quantities for EQ Report	Major Phases	3	Standard	27	0	40	40	3 MOT phases - EO report not applicable but quantities will be developed manually
		Engineer Estimate	6	Low	60	0	60	60	estimates required for alternatives analysis, 15% L&G, 60%, 90%, 100%, Final submittals 6 submittals x 10 hrs
		LRE Updates	0	Mid	0	0	0	0	N/A (no LRE for Pinellas)
4.17	Technical or Modified Special Provisions	TSPs & MSPs	0		0	0	0	0	None anticipated
4.17	Other Roadway Tasks	Other Analysis			80	0	80	80	Alternatives Analysis - full evaluation of at least 3 alternatives. Separate report from the roadway design doc/report (4.8). This report aligns with Task 2 of the scope and will be completed prior to the design phase. The report will be finalized with the County's input and become the basis for design.
Roadway Analysis Technical Subtotal				746	0	817	817		

4.18	Quality Assurance/Quality Control	LS	1	5%	38	0	41	41	
4.19	Supervision	LS	1	5%	38	0	41	25	3% - calculated in the "negotiated" column. 817*.03=24.51
4.20	Roadway Meetings (listed below)	Meetings	29		58	0	58	58	
		Travel Time			2	0	2	2	
4.21	Field Reviews (listed below)	LS			25	0	25	25	
	Roadway Analysis Non-Technical Subtotal			161	0	167	151		
4.22	Coordination	LS	1	3%	28	0	30	30	
	4. Roadway Analysis Total			935	0	1014	998		

Carries to Summary Tab

Technical Meetings	# Meetings Designer	Travel Time (Hours)	# Meetings PM	Documentation
Typical Section	1	0	1	assume teams meetings
Pavement Design	1	0	1	assume teams meetings
Access Management / Driveways	0	0	0	
15% Line and Grade	1	2	1	assumes in-person - 1 hr each way
RRR / ECAR Resolution	0	0	0	
Local Governments (cities, counties, MPO)	0	0	0	
Work Zone Traffic Control	0	0	0	
30/60/90/100% Comment Review Meetings	4	0	4	assume teams meetings
Utility Coordination	2	0	2	Scoped for after 60% and prior to 100% - assumes teams meetings
Other Meetings	2	0	2	assumes teams meetings
Subtotal Technical Meetings	11	2	11	
Progress Meetings (if required by FDOT)	18	0		
Phase Review Meetings	0	0		
Total Roadway Meetings	29	2		

Field Reviews	# of Staff	Site Time (per staff)	Travel Time (per staff)	Total Hours
Field Review #1	2	4	1	10
Field Review #2	2	4	1	10
Field Review #3	1	4	1	5
Field Review #4	0	0	0	0
Plans-in-hand Field Review	0	0	0	0
Total Field Review Hours				25

Representing		Print Name				Signature / Date	
Pinellas County							
Kisinger Campo & Associates Corp.							
NOTE: Signature Block is optional, per District preference							
Task No.	Task	Project Parameter			Staff Hours		Documentation
		Description	Units	Complexity	Calculated	Department	
What is the overall project complexity? (See Roadway Guidelines)				Mid			Provide documentation when negotiated hours differ from the calculated hours.
5.1	Key Sheet	1			4	0	4
	Signature Sheet	1			2	0	2
5.2	Typical Section Sheets	4			16	0	16
		0			0	0	0
		0			0	0	0
5.3	Cross Slope Correction Details	1			8	0	8
5.4	General Notes/Pay Item Notes	1	Simple		6	0	6
5.5	Model Management	0			0	0	0
	Project Layout	0			0	0	0
5.6	Plan View (Plan Sheets)	Sheet(s)	3	Mid	12	0	12
		Interchange	0		0	0	0
		Roundabout	0		0	0	0
5.7	Profile View (Plan/Profile Sheets)	Sheet(s)	3	Flush Shoulder	9	0	9
		Sheet(s)	0	Curbed	0	0	0
5.8	Special Profiles	3			6	0	6
5.9	Intersection RR Xing	0			0	0	0
		Sheet(s)	0		0	0	0
5.10	Interchange Layout Sheet	Standard 2 Levels	0		0	0	0
			0		0	0	0
		Complex 3+ Levels	0		0	0	0
5.11	Details	Ramp Terminal	1		10	0	10
		Intersection Layout	1		12	0	12
		Special	1		10	0	10
5.12	Sidewalk Profiles	1			2	0	2
5.13	Cross Sections	16	Mid		6	0	6
5.14	Temporary Traffic Control Plan	TTC Notes	1		2	0	2
		Phasing Notes & Typical Sheets	3		12	0	12
		TTC Plan Sheet(s)	9	Mid	18	0	18
		Critical Cross Sections	0		0	0	0
		TTC Details	2		16	0	16
5.15	Utility Adjustment Sheets	Sheet(s)	3	Standard	18	0	18
5.16	Project Control Sheets	1			4	0	4
5.17	Utility Verification Data (SUE)	1			4	0	4
Roadway Plans Technical Hours Subtotal				177	0	177	177
5.18	Quality Assurance/Quality Control	%	1	5%	9	0	9
5.19	Supervision	%	1	5%	9	0	9
							6
							3% - calculated in the "negotiated" column. $177 \times .03 = 6$
Roadway Plans Total				195	0	195	192

Estimator:		6a. Drainage Analysis Staff Hours						McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal 003876D			
Representing		Print Name					Signature / Date				
Pinellas County											
Consultant Name		Tara Spieler									
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.		
6a.1	Base Clearance Analysis	Locations	0		0	0	0	N/A			
		Report	0		0	0	0	N/A			
6a.2	Hydroplaning Analysis	LS	0		0	0	0	N/A			
6a.3	Existing Permit Analysis	LS	1	Complex	20	0	20	Review permits for 4 ponds that may be impacted			
6a.4	Utility Conflict Matrix (for drainage structures)	LS	1	Standard	8	0	8	8			
6a.5	Noise Barrier Drainage Analysis	Wall Length (Miles)	0.00		0	0	0	N/A			
6a.6	Temporary Drainage Analysis	LS	1	Standard	20	0	40	40			
6a.7	Pond Siting Analysis and Report	Basins	1	Standard	42	0	64	64			
		Report	0		0	0	0	N/A			
6a.8	Analysis of Pipe Video Inspection Report	LS	0		0	0	0	N/A			
6a.9	Bridge Hydraulic Report (Canal Crossing or Ped Bridge)	Canal Xing or Ped Bridge	1	Complex	100	0	160	160			
		W/o Relief Bridges	0		0	0	0	N/A			
		With Relief Bridges	0		0	0	0	N/A			
		No-Rise	0		0	0	0	N/A			
		W/o Relief Bridges	0		0	0	0	N/A			
		With Relief Bridges	0		0	0	0	N/A			
		No-Rise	0		0	0	0	N/A			
		Wave Modeling	0		0	0	0	N/A			
		Cross Drains	0	Simple	0	0	0	N/A			
			0	Standard	0	0	0	N/A			
6a.10	Design of Major Cross Drains		0	Complex	0	0	0	0			
	Cross Drains	0	Simple	0	0	0	N/A				
		0	Standard	0	0	0	N/A				
		0	Complex	0	0	0	N/A				
	Ditches (Miles)	0.00	Simple	0	0	0	N/A				
		0.00	Standard	0	0	0	N/A				
		0.25	Complex	7	0	7	7				
		2		4	0	4	4				
6a.11	Design of Ditches and Side Drains	Ponds	2	Simple	100	0	100	100			
			1	Standard	75	0	75	75			
			0	Complex	0	0	0	N/A			
		Cells	0		0	0	0	N/A			
6a.12	Design of Stormwater Management Facility	Basins	0		0	0	0	N/A			
6a.14	Design of Storm Drains	Drainage Structures	16	Standard	56	0	48	48			
		Non-Standard Structures	3		9	0	9	9			
6a.15	Optional Culvert Material	Drainage Pipes	0		0	0	0	N/A - Specify RCP only			
6a.16	Design of Trench Drains	Each	0		0	0	0	N/A			
6a.17	Design of French Drain Systems	Cell	0		0	0	0	N/A			
6a.18	Evaluation of Existing French Drain Systems	Cell	0		0	0	0	N/A			
6a.19	Design of Drainage Wells	Wells	0		0	0	0	N/A			
6a.20	Stormwater Runoff Control Concept	Length (Miles)	0.25	Complex	2	0	8	8			
6a.21	Other Drainage Tasks	LS			0	0	40	40			
6a.22	Drainage Design Documentation Report	Report	1	Complex	80	0	80	80			
		Exhibits	0		0	0	0	N/A			
6a.23	Drainage Quantities for EQ Report	LS	1	Standard	30	0	30	30			
6a.24	Cost Estimate	Engineer Estimate	3	Standard	15	0	15	15			
		LRE Updates	0		0	0	0	N/A			
6a.24	Technical or Modified Special Provisions	TSPs & MSPs	0		0	0	0	N/A			
Drainage Analysis Technical Subtotal				568	0	708	708				

6a.25	Quality Assurance/Quality Control	LS	1	5%	29	0	36	35	
6a.26	Supervision	LS	1	5%	29	0	36	21	3% - calculated in the "negotiated" column. $708 \times 0.03 = 21.24$
6a.27	Drainage Meetings (listed below)	Meetings	11		22	0	22	22	
		Travel Time			3	0	3	3	
6a.28	Field Reviews (listed below)	LS			16	0	16	16	
Drainage Analysis Non-Technical Subtotal				99	0	113	97		
6a.29	Coordination	%	1	3%		21	0	25	25
Drainage Analysis Total				688	0	846	830		

Carries to Summary Tab

Technical Meetings	# Meetings Designer	Travel Time (Hours)	# Meetings PM	Documentation
Base Clearance Water Elevation	0	0	0	
Pond Siting	0	0	0	
Agency	1	1	1	SWFWMD
Local Governments (cities, counties)	2	2	2	Pinellas Co
FDOT Drainage	1	0	1	FDOT
Utility Coordination	2	0	0	
Other Meetings	2	0	2	Draft & Final Alternative Analysis
Subtotal Technical Meetings	8	3	6	
Progress Meetings (if required by FDOT)	0	0		
Phase Review Meetings	3	0		
Total Drainage Meetings	11	3		

Field Reviews	# of Staff	Site Time (per staff)	Travel Time (per staff)	Total Hours
Field Review #1	2	6	2	16
Field Review #2	0	0	0	0
Field Review #3	0	0	0	0
Field Review #4	0	0	0	0
Plans-in-hand Field Review	0	0	0	0
Total Field Review Hours				16

6b. Drainage Plans

6b. Drainage Plans Staff Hours						
Representing		Print Name			Signature / Date	
Pinellas County						
Consultant Name	Tara Spieler					
NOTE: Signature Block is optional, per District preference						
Task No.	Task	Description	Units	Complexity	Calculated	Department
6b.1	Drainage Map (Including Interchanges)	Sheet(s)	2	Standard	64	0
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	1		32	0
	Drainage Structures	Drainage Structures	19		40	0
6b.3	Drainage Structures	Details			0	0
	Ditches	Ditches	0	Standard	0	0
	Cross Section Alignments	Cross Section Alignments	0	Complex	12	0
6b.4	Lateral Ditches	Ponds	2	Standard	48	0
	Cross Section Alignments	Ponds	1	Complex	32	0
6b.5	Retention/Deletion/Floodplain Compensation Ponds	Cross Section Alignments	1		2	0
					8	8
Drainage Plans Technical Subtotal						
			230	0	296	296
6b.6	Quality Assurance/Quality Control	%	1	5%	12	0
6b.7	Supervision	%	1	5%	12	0
					15	15
					15	15
					9	9
					3% - calculated in the "negotiated" column. 296*.03=8.88	
					Drainage Plans Total	254
						326
						320

Estimator: Tom Pride

McMullen Booth Read Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
038790

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name	Tom Pride	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments	Signature / Date
Environmental Permits and Environmental Clearances							
8.1	Preliminary Project Research	LS	1	8	8	Preliminary research, GIS databases collection and review.	
8.2	Permits						
8.2.1	Pond Site Alternatives Assessments	per pond site	1	4	4	Review existing ponds that may be affected/enlarged, review potential new pond sites	
8.2.2	Establish Wetland/Jurisdictional Lines and Assessments	LS	1	14	14	2. Scientists X 6 hrs + 2 hrs GIS for GPS setup and post-field production 2. Systems X 10 hrs for gopher tortoise survey, checking for bats in existing ponds. Does not include acoustic survey for bats would be required if indicated but is listed under ESA). Does not include Gopher Tortoise Relocation permitting or relocation of tortoises. Does not include bald eagle nest monitoring should nest be present.	
8.2.3	Species Surveys	LS	1	12	12	Species, Survey, Optional Services, - Gopher Tortoise Relocation Permitting As part of Post-Design Services (unrelated) prior to construction (to move/gopher tortoise burrows are present and construction activities will occur within 25 feet of any burrow, the following optional services will be implemented: Scientist X 16 hrs + 2 hrs GIS = 18 hrs). Gopher Tortoise Permit - Application will be made for a FWC Gopher Tortoise Permit, including preparation and submittal of all documentation required for the permit application (1 Scientist X 18 hrs + 2 hrs GIS = 20 hrs).	
8.3	Agency Verification of Wetland Data	LS	1	4	4	1 Scientist X 4 hrs for coordination and field meeting with SWFWMD reviewer	
8.4	Complete And Submit All Required Permit Applications						
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	120	120	Includes Individual ERP from SWFWMD and Section 404/10 Permit from USACE. Section 408 coordination with USACE required, including preparation of required documentation. Permit application packages include application forms, wetland/UMA forms, Environmental Narrative, tables, Graphics, and responding to R/W.	
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	None anticipated. FWC gopher tortoise relocation permit, if needed, to be scoped for post-design services.	
8.5	Coordinate and Review Dredge and Fill Sketches	LS	3	2	6	Anticipate 3 drawings @ 2 hrs ea.	
8.6	Complete and Submit Documentation for Coordination and/or USCG Bridge Permit Application						
8.6.1	Prepare and submit required documents for USCG coordination	LS	1	2	2	General coordination with USCG, potentially needed for verification of no permit required.	
8.6.2	Complete and submit USCG Bridge Application	LS	1	0	0	Not required pursuant to PD&E Advance Notification response from USCG.	
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	NA. Assume no R/W needed from SWFWMD.	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	NA	
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	60	60	Section 408 coordination with USACE required, including preparation of required documentation.	
8.10	Compensatory Mitigation Plan	LS	1	2	2	Assume use of mitigation bank. Hours are for bank and credit availability research.	

Task No.	Task	Units	No. of Units	Hours/Units	Total Hours	Comments
8.11	Mitigation Coordination and Meetings	LS	1	2	2	Coordination/ correspondence with mitigation bank.
8.12	Regulatory Agency Support	LS	1	10	10	Preparation of USAACE Permit Verification Memorandum
8.13	Other Environmental Permits	LS	1	60	60	Tree inventory, concilition, risk, and impact analysis
Environmental Clearances, Reevaluations, and Technical Support						
8.14	Technical support to the Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)	LS	1	0	0	
8.14.1	NEPA on SEIR Reevaluation	LS	1	0	0	
8.14.2	Archaeological and Historical Resources	LS	1	0	0	
8.14.3	Section 4(f), 6(f), and ARCA	LS	1	0	0	
8.14.4	Wetland Impact Analysis	LS	1	0	0	
8.14.5	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.14.6	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.15	Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)	LS	1	0	0	
8.15.1	NEPA on SEIR Reevaluation	LS	1	0	0	
8.15.2	Archaeological and Historical Resources	LS	1	0	0	
8.15.3	Section 4(f), 6(f), and ARCA	LS	1	0	0	
8.15.4	Wetland Impact Analysis	LS	1	0	0	
8.15.5	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.15.6	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.16	Contamination Impact Analysis	LS	1	0	0	
8.17	Asbestos Survey	LS	1	0	0	
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal						
8.18	Technical Meetings	LS	1	12	12	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	5%	15	
8.20	Supervision	LS	%	3%	9	
Environmental Permits and Environmental Clearances Nontechnical Subtotal						
8.21	Coordination	LS	%	3%	10	
8. Environmental Permits and Environmental Clearances Total						
Technical Meetings	Units	No. of Units	Hours/Unit	Total Hours	Comments	PM Attendance at Meeting Required? Number
WMD	EA	2	2	4	1 pre-application meeting, 1 RAI resolution meeting	Yes 2
NMFS	EA	0	0	0		0
USAACE	EA	2	2	4	1 RAI resolution meeting, 1 Section 408 meeting	yes 2
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	2	2	4	2 meetings with County	yes 2
Subtotal Technical Meetings						
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
Total Meetings				12	Subtotal Project Manager Meetings	6
					Total Project Manager Meetings (carries to Tab 3)	6

Project Activity 8: Environmental Permits

Estimator:

MBR Bridge North Bound Off Ramp
003879D

Representing	Print Name	Signature / Date
Pinellas County		
DPS		

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
	Contamination Analysis					Scope: Perform site reconnaissance for mainline and preferred ponds, gather and review data, evaluate risk of contamination sources, and document in Contamination Technical Memorandum in accordance with Chapter 20 of the P&E Manual (July 31, 2024). Single report will include both mainline and ponds. Research conducted to 500 feet. Provide risk ratings and recommendations regarding impact to construction. Hours estimated based on preliminary MapDirect research showing 3 "standard" and 3 "complex" contamination sites. Allotment provided for site that may be discovered during site reconnaissance, review of historical aerials, or USGS maps (estimate 3 sites). The bridge will be identified as a "site" and asbestos/metals testing reports will be requested from the County and summarized in the Contamination Tech Memo. Level II testing, if necessary, will require a supplemental scope and fee.
8.16	Contamination Impact Analysis	LS	1	99	99	Field Hours: 1 trip * 2 staff * 10 hours (includes prep, mobilization, and field time)
						Analysis/Report Hours: research for standard contamination site (3 sites * 2 hours each) + research for complex contamination site (3 sites * 4 hours each) + pond site research (5 hours) + allotment for unknown sites (3 sites * 2 hours each) + draft report preparation (40 hours) + respond to comments/finalize report (10 hours)
Environmental Permits and Environmental Clearances/Reevaluations/Technical Subtotal						
8.18	Technical Meetings	LS	1	3	3	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	5%	5	
8.20	Supervision	LS	%	3%	3	
Environmental Permits and Environmental Clearances Nontechnical Subtotal						
8.21	Coordination	LS	%	3%	3	
8. Environmental Permits and Environmental Clearances Total						
Environmental Permits and Environmental Clearances/Reevaluations/Technical Subtotal						
8.18	Technical Meetings	LS	1	3	3	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	5%	5	
8.20	Supervision	LS	%	3%	3	
8.21	Coordination	LS	%	3%	3	
Environmental Permits and Environmental Clearances Nontechnical Subtotal						
8.21	Coordination	LS	%	3%	3	
8. Environmental Permits and Environmental Clearances Total						

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

Carries to 8.18

Carries to Tab 3

Estimator:

McMullen Booth Off Ramp
999999-1-32-01

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					
	Environmental Clearances, Reevaluations, and Technical Support					
8.14	Technical support to the Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					
8.14.2	Archaeological and Historical Resources	LS	1	36	36	<p>Coordination with the Florida Division of Historical Resources - 36 hours</p> <p>Janus Research will conduct background research sufficient to coordinate with the Florida Division of Historical Resources to determine if a CRAS is necessary. This will include a review of FMSF data to identify previous surveys and evaluate their sufficiency per current FDHR Guidelines and requirements. A review of select historic maps to determine land use, archaeological potential, and potential historic resources. Property appraised data will also be reviewed to help identify historic resources. A brief technical memorandum will be provided for coordination with the FDHR. It is anticipated that the coordination will be conducted via a Teams meeting.</p> <p>CULTURAL RESOURCES OPTIONAL SERVICES:</p> <ol style="list-style-type: none"> 1. Archaeological Survey - 58 hours <p>The archaeological APE will be limited to areas of proposed ground disturbing activities. An archaeological desktop analysis will be conducted to include a review of the Florida Master Site File (FMSF) to identify previously recorded archaeological sites. An analysis of pertinent environmental variables will also be conducted to determine the potential for archaeological resources within the proposed APE. This analysis will include a review of historic maps and aerials, as well as soil maps and 7.5 U.S. Geological Survey (USGS) topographical maps. A pedestrian survey will be conducted to document existing conditions and identify areas where subsurface testing may be feasible. Limited subsurface testing (maximum of four [4] shovel tests) is anticipated due to the urban nature of the project area. As needed, Sunshine 811 coordination will be conducted to locate underground utilities prior to subsurface testing.</p> <ol style="list-style-type: none"> 2. Historic Resources Survey - 10 hours, 2 people <p>Additionally, a historic resource field assessment survey will be conducted. Based on this project, an architectural historian and at least one technical assistant will conduct a historic resources survey to ensure that resources are identified, properly mapped, and photographed. It is possible approximately 5 FMSF forms may need to be completed for only the resources that fall within the APE, and the forms will include field data, including notes from site observations and informant interviews. The estimated date of construction and distinctive features will also be noted. Photographs will be taken with a digital camera. A log will be kept that records the resources, physical location and compass direction of each photograph. The resources' significance will then be evaluated for their potential eligibility for listing on the National Register. Historic physical integrity will then be evaluated from site observations, field data, and photographic documentation. If possible, informant interviews with individuals knowledgeable about local history will be conducted, and this will assist with researching significant historical associations.</p> <ol style="list-style-type: none"> 3. FMSF Forms - 23 hours - 23 hours: Maximum of 5 FMSF Forms @ 4 each 4. CRAS Report - 57 hours.

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator: Stephanie Boyd

McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
003879D

Representing	Print Name	Signature / Date
Pinellas County		
Kisinger Campo & Associates	Stephanie Boyd	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours			Comments					
			No. of Units	Hours per Unit	No. of Sheets						
General Drawings											
9.1	Key Sheet and Index of Drawings	Sheet	3	6	3	18					
9.2	Project Layout	Sheet	0	0	0						
9.3	General Notes and Bid Item Notes	Sheet	2	18	2	36 @ 18 hours					
9.4	Miscellaneous Common Details	Sheet	3	15	3	45 Surface Finish Details, Slope Protection limits and sections.					
9.5	Incorporate Report of Core Borings	Sheet	7	1	7	7					
9.6	Standard Plans- Bridges	LS	1	1	1	Insert all associated Standard Plans					
9.7	Existing Bridge Plans	LS	1	4		4					
9.8	Structures Quantities for EQ Report	Bridges Walls Box Culverts	1 4 0	Calculated Hours 24		24 One bridge, two TCW and two gravity walls					
9.9	Cost Estimate	LS	4	6		24					
9.10	Technical Special Provisions and Modified Special Provisions	LS	1	0		0					
Structures - Summary and Miscellaneous Tasks and Drawings											
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16 Bridge 1		1847	529	0	0	1318	0	0	0		
10-16 Bridge 2			0								
10-16 Bridge 3			0								
10-16 Bridge 4			0								
10-16 Bridge 5			0								

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Structures - Summary and Miscellaneous Tasks and Drawings					
Task No.	Task	Units	No. of Units	Hours per Unit	Total
9.11	Field Reviews	LS	8	4	32
9.12	Technical Meetings	LS	1	96	96
9.13	Quality Assurance/Quality Control	LS	%	5%	112
9.14	Independent Peer Review	LS	1	0	0
9.15	Supervision	LS	%	3%	67
Structures Nontechnical Subtotal					
9.16	Coordination	LS	1	92	92
Roadway (24), Utility (20), Permits (20), Geotech (16), Hydraulics/Drainage (12)					

Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	1	4	4	4		Yes	1
90/100% Comment Review	EA	2	4	8	8		Yes	2
Aesthetics Coordination	EA	0	0	0	0		No	0
Regulatory Agency	EA	2	4	8	8		Yes	2
Local Governments (cities, counties)	EA	0	0	0	0			0
Utility Companies	EA	4	4	16	16		Yes	2
Other Meetings (PD&E Coordination)	EA	6	4	24	24	PD&E will be ongoing during the design. Increased coordination is anticipated.	Yes	3
Subtotal Technical Meetings					60			10
Progress Meetings (if required by FDOT)	EA	36	1	36	36	<i>Internal Progress Meetings - Bi-weekly for 18 months = 36 Meetings</i>		

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
Phase Review Meetings						
Total Meetings		0	0	96	Total Project Manager Meetings (carries to Tab 3)	10

Carries to 9.12

Carries to Tab 3

Project Activity 10: BDR

Estimator: Stephanie Boyd
Bridge Identifier (Number or Name):

McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
003879D

Representing	Print Name	Signature / Date
Pinellas County		
Kisinger Campo & Associates	Stephanie Boyd	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Requirement							
10.1	Bridge Geometry	LS	1	60		60	Development of a typical section. Will include multiple alternatives to accommodate different levels of pedestrian access to be evaluated (bike lanes, sidewalk, etc.). Large skew to align with the channel with mild curvature at beginning to tie in with existing alignment. Additional geometry for a NB on-ramp will also be evaluated. High Range - Multiple Alternatives Considered
10.2	Ship Impact Data Collection	LS	1	0		0	
10.3	Ship Impact Criteria	EA	0	0		0	
Superstructure Alternatives							
10.4	Short Span Concrete Bridge	EA ALT	0	0		0	
10.5	Medium Span Concrete Bridge	EA ALT	4	20		80	Two superstructure alternatives will be evaluated (AASHTO and FIB). Separate analysis will be required for exterior and interior beams as well as consideration for the interior beam that would act as an exterior beam during phased construction of the bridge.
10.6	Long Span Concrete Bridge	EA ALT	0	0		0	
10.7	Structural Steel Bridge	EA ALT	0	0		0	
Foundation & Substructure Alternatives							
10.8	Pier/Bent	EA Type	4	18		72	End Bent and intermediate bent design for 18in and 24in PSC piles. Each superstructure alternative will require individual analysis for the substructure unit design.
10.9	Shallow Foundations / GRS Abutments	EA Type	0	0		0	
10.10	Deep Foundations	EA Foundation Evaluated	4	16		64	End Bent and intermediate bent design for 18in and 24in PSC piles. Each superstructure alternative will require individual analysis for the substructure unit design.
Movable Span							
10.11	Data Collection and Design Criteria	LS	1	0		0	
10.12	Movable Span Geometrics and Clearances	LS	1	0		0	
10.13	Deck System Evaluation	LS	1	0		0	
10.14	Framing Plan Development	LS	1	0		0	
10.15	Main Girder Preliminary Design	LS	1	0		0	
10.16	Conceptual Span Balance/Counterweight	LS	1	0		0	

Project Activity 10: BDR

Task No.	Task	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
10.17	Support System Development	LS	1	0		0	
10.18	Drive Power Calculations	LS	1	0		0	
10.19	Drive System Development	LS	1	0		0	
10.20	Power and Control Development	LS	1	0		0	
10.21	Conceptual Pier Design	LS	1	0		0	
10.22	Foundation Analysis (FL PIER)	LS	1	0		0	
10.23	Tender Visibility Study	LS	1	0		0	
Other BDR Issues							
10.24	Aesthetics	LS	1	0		0	
10.25	TTCP/Staged Construction Requirements	LS	1	24		24	Evaluation of the structure in the phased condition.
10.26	Constructability Requirements	LS	1	12		12	Consider crane placement and crane barge needs
10.27	Load Rating for damaged/widened structures	EA Unit	1	0		0	
10.28	Quantity and Cost Estimates	EA ALT	2	16		32	
10.29	Quantity and Cost Estimates - Movable Span	LS	1	0		0	
10.30	Wall Type Justification	LS	1	12		12	The use of temporary critical walls top facilitate phased construction would need to be evaluated.
Report Preparation							
10.31	Exhibits	EA SHEET	5	20		100	Plan and elevation, typical section, construction sequence, end bent, intermediate bent.
10.32	Exhibits - Movable Span	EA SHEET	0	0		0	
10.33	Report Preparation	LS	1	65		65	One BDR. Report will evaluate superstructure and substructure alternatives, as well as typical section options. A discussion will also be provided for the option to provide a NB on-ramp structure which will act as a loop-ramp crossing over Lake Tarion Outfall Canal to the north of the proposed bridge site.
10.34	Report Preparation - Movable Span	LS	1	0		0	
10.35	BDR Submittal Package	LS	1	8		8	Compile report and all related appendices
10. Structures - Bridge Development Report Total						529	
When ONLY 30% plans are final deliverable, use Task Nos. as shown for applicable bridge types for project Activities 12 thru 16. Staffhours to be negotiated and scaled appropriately.							

Project Activity 13: Structures- Medium Span Concrete

Estimator: Stephanie Boyd
Bridge identifier (Number or Name):

McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
003879D

Representing	Print Name	Signature / Date
Pinellas County		
Kissinger Campo & Associates	Stephanie Boyd	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Layout Design and Plans							
13.1	Overall Bridge Final Geometry	LS	1	36		36	Heavily skewed and phase constructed with some curvature.
13.2	Expansion/Contraction Analysis	EA Unit	2	4		8	Two continuous units
13.3	General Plan and Elevation	Sheet	2	36	2	72	4 or 5 span bridge with large skew.
13.4	Construction Staging	Sheet	2	32	2	64	Multiple phases are anticipated
13.5	Approach Slab Plan and Details	Sheet	1	20	1	20	One sheet for both approach slab. Large bridge skew with phased limits.
13.6	Miscellaneous Details	Sheet	4	18	4	72	Load rating sheet and slope protection details (two plan sheets and one section sheet)
End Bent Design and Plans							
13.7	End Bent Geometry	EA End Bent	2	12		24	Two end bents with a significant skew.
13.8	Wingwall Design and Geometry	EA End Bent	2	12		24	Skewed wingwalls. One design for each bent.
13.9	End Bent Structural Design	EA Design	2	30		60	Two end bents. Separate lateral stability analysis would be performed based on soil profiles.
13.10	End Bent Plan and Elevation	Sheet	2	20	2	40	Two end bents. Phased constructed with a skew.
13.11	End Bent Details	Sheet	3	18	3	54	Cap sections (1) pedestal/cheekwall/other (1), wingwall sheets with tabulated elevations (1)
Intermediate Bent Design and Plans							
13.12	Bent Geometry	EA Bent	4	10		40	4 skewed intermediate bents
13.13	Bent Stability Analysis	EA Design	4	32		128	FBPier analysis including scour to determine minimum tip. Unique designs for varying scour elevations and soil profiles. Stability analysis for piers and end bents.
13.14	Bent Structural Design	EA Design	1	30		30	One design for four intermediate bents.
13.15	Bent Plan and Elevation	Sheet	4	20	4	80	Skewed bents. Curvature and SE transition. Phase constructed.
13.16	Bent Details	Sheet	2	20	2	40	Cap sections, pedestal details, end details, anchor bolt details
Pier Design and Plans							
13.17	Pier Geometry	EA Pier	0	0		0	
13.18	Pier Stability Analysis	EA Design	0	0		0	
13.19	Pier Structural Design	EA Design	0	0		0	
13.20	Pier Plan and Elevation	Sheet	0	0	0	0	

Task No.	Task	Units	No. of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
13.21	Pier Details	Sheet	0	0	0	0	
Miscellaneous Substructure Design and Plans							
13.22	Foundation Layout	Sheet	2	20	2	40	Foundation layout, pile data table, and notes
Superstructure Deck Design and Plans							
13.23	Finish Grade Elevation (FGE) Calculation	LS	1	48		48	Five spans, two approach slabs, skewed beams and potential curvature and superelevation transitions.
13.24	Finish Grade Elevations	Sheet	4	18	4	72	Five spans, two approach slabs with typical sections and tables
13.25	Bridge Deck Design	EA Section	2	24		48	Two unique units, phases constructed, continuous deck,
13.26	Bridge Deck Reinforcing and Concrete Quantities	EA Unit	2	14		28	Two continuous units
13.27	Diaphragm Design	EA Section	0	0		0	
13.28	Superstructure Plan	Sheet	3	20	3	60	Five spans, phased constructed
13.29	Superstructure Section	Sheet	1	20	1	20	One section for bridge, phased constructed
13.30	Miscellaneous Superstructure Details	Sheet	2	20	2	40	Thickened edge slab, expansion joint table, build-up and deflection, and SIP (assuming FB)
Reinforcing Bar Lists							
13.31	Preparation of Reinforcing Bar List	Sheet	4	10	4	40	
Continuous Concrete Girder Design							
13.32	Section Properties	LS	1	0		0	
13.33	Material Properties	LS	1	0		0	
13.34	Construction Sequence	EA Unit	0	0		0	
13.35	Tendon Layouts	EA Unit	0	0		0	
13.36	Live Load Analysis	EA Unit	0	0		0	
13.37	Temperature Gradient	EA Unit	0	0		0	
13.38	Time Dependent Analysis	EA Unit	0	0		0	
13.39	Stress Summary	EA Unit	0	0		0	
13.40	Ultimate Moments	EA Unit	0	0		0	
13.41	Ultimate Shear	EA Unit	0	0		0	
13.42	Construction Loading	EA Unit	0	0		0	
13.43	Framing Plan	Sheet	0	0		0	
13.44	Girder Elevation, including Grouting Plan and Vent Locations	Sheet	0	0		0	
13.45	Girder Details	Sheet	0	0		0	

Project Activity 13: Structures- Medium Span Concrete

Task No.	Task	Units	No. of Units	Hours/Unit	No. of Sheets	Total Hours	Comments
13.46	Erection Sequence	Sheet	0	0	0	0	
13.47	Splice Details	Sheet	0	0	0	0	
13.48	Girder Deflections and Camber	Sheet	0	0	0	0	
Simple Span Concrete Design							
13.49	Prestressed Beam	EA Design	3	10		30	Analysis for both interior and exterior beams in the final condition. Additional analysis to evaluate beam during phased condition.
13.50	Prestressed Beam Schedules	Sheet	1	20	1	20	Assumes two beam types
13.51	Framing Plan	Sheet	2	20	2	40	Skewed beams are anticipated with slight curvature possible at the begin/end bridge
Beam Stability							
13.52	Beam/girder stability	EA Unit	1	12		12	Temporary construction bracing for interior and exterior beams
Bearing							
13.53	Bearing pad and bearing plate design	Type/ Span	1	10		10	Bearing pad design
13.54	Bearing pad and bearing plate details	Sheet	0	0	0	0	
Load Rating							
13.55	Load Ratings	Per Beam	3	6		18	Analysis for both interior and exterior beams in the final condition. Additional analysis to evaluate beams during phased condition.
13. Structures - Medium Span Concrete Bridge Total				39	1318		

Project Activity 17: Retaining Walls

Estimator:

McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Cutfall Canal
003879D

Representing		Print Name		Signature / Date		
FDOT District						
Consultant Name						
Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
General Requirements							
17.1	Key Sheet	Sheet	0	0	0	0	
17.2	Horizontal Wall Geometry	Per Wall	4	6		24	Four walls at the begin/end bridge location. Two TCW's between Phase I and Phase II. Two Gravity Walls
Permanent Proprietary Walls							
17.3	Vertical Wall Geometry	Per Wall	0	0		0	
17.4	Semi-Standard Drawings	Sheet	0	0	0	0	
17.5	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.6	Details	Sheet	0	0	0	0	
Temporary Proprietary Walls							
17.7	Vertical Wall Geometry	Per Wall	0	0		0	
17.8	Semi-Standard Drawings	Sheet	0	0	0	0	
17.9	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.10	Details	Sheet	0	0	0	0	
Cast-in-Place Retaining Walls							
17.11	Design	EA Design	0	0		0	
17.12	Vertical Wall Geometry	EA Wall	2	12		24	One gravity wall at each end bent on the north side.
17.13	General Notes	Sheet	0	0	0	0	
17.14	Wall Plan and Elevations (Control Drawings)	Sheet	2	16	2	32	One sheet at each end bent.
17.15	Sections and Details	Sheet	0	0	0	0	
17.16	Reinforcing Bar List	Sheet	0	0	0	0	
Other Retaining Walls and Bulkheads							
17.17	Design	EA Design	2	16		32	Design 2 cantilever sheet pile walls - Critical temporary walls. One design for each end bent location.
17.18	Vertical Wall Geometry	EA Wall	2	8		16	Two temporary walls @ 8 hours
17.19	General Notes, Tables and Misc. Details	Sheet	1	16	1	16	One General Notes sheet @ 16 hours
17.20	Wall Plan and Elevations	Sheet	2	16	2	32	Two Plan and Elevations sheets @ 16 hours. One for each end bent
17.21	Details	Sheet	1	16	1	16	General wall details
17. Structures - Retaining Walls Total						192	

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments	Signature / Date
Representing								
18.1	Concrete Box Culvert	EA	0	0	0	0		
18.2	Concrete Box Culverts Extensions	EA	0	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		
Consultant Name								
<i>NOTE: Signature Block is optional, per District preference</i>								
Strain Poles								
18.5	Steel Strain Poles	Initial Config EA Add'l Config	0 0	0	0	0		
18.6	Concrete Strain Poles	Initial Config EA Add'l Config	0 0	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	4	9	36	36	Likely to be either 4 single-arm mast arms or 2 dual-arm mast arms.	
18.10	Mast Arms Data Table Plan Sheets	Sheet	1	7	1	7	Assumes 4 single-arm mast arms	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0		
Overhead/Cantilever Sign Structures								
18.12	Overhead/Cantilever Sign Structures	EA Design	0	0	0	0		
18.13	Overhead Span Sign Structures	EA Design	0	0	0	0		
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0	0	0		
18.15	Monotube Overhead Sign Structure	EA Design	0	0	0	0		
18.16	Bridge Mounted Signs (Attached to Superstrt -)	EA Design	0	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	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	0		
18.22	Vertical Wall Geometry	EA Wall	0	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	0		
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0	0	0		
18.27	Aesthetic Details	LS	1	0	0	0		
Special Structures								
18.28	Fender System	LS	1	0	0	0		
18.29	Fender System Access	LS	1	0	0	0		

Project Activity 18: Miscellaneous Structures

18.30	Special Structures	LS	1	0	0	0
18.31	Other Structures	LS	1	0	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	43		

Project Activity 19: Signing and Pavement Marking Analysis

Estimator:

McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
003879D

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		
NOTE: Signature Block is optional, per District preference		
Task No.	Task	Comments
19.1	Traffic Data Analysis	LS 1 6 6 Review East Lake Road Traffic Evaluation Report, November 2021, County East Lake Corridor Study and any other forthcoming analysis documentation
19.2	No Passing Zone Study	LS 1 0 0 N/A
19.3	Signing and Pavement Marking Master Design File	LS 1 62 62 Low-Mid Range: 37 hours for setup and 65 hours per mile plus 8 hours for signalized intersection 37 + 65 * 0.25 + 8 = 62
19.4	Mult-Post Sign Support Calculations	EA 1 2 2 1 MP sign
19.5	Sign Panel Design Analysis	EA 1 3 3 1 MP sign
19.6	Sign Lighting/Electrical Calculations	EA 1 0 0 N/A
19.7	S&PM Quantities for EQ Report	Length (Miles) 0.25 Calculated Hours 17 Complexity Mid Range Interchanges 0 17 Rest Areas 0 17 2 hrs x 4 submittals
19.8	Cost Estimate	LS 1 8 8 N/A
19.9	Technical Special Provisions and Modified Special Provisions	LS 1 0 0 N/A
19.10	Other Signing and Pavement Marking	LS 1 0 0 N/A
Signing and Pavement Marking Analysis Technical Subtotal 98		
19.11	Field Reviews	LS 1 5 5 1 staff x (4 hour visit + 1 hour travel) = 5 hours
19.12	Technical Meetings	LS 1 4 4 Meetings are listed below
19.13	Quality Assurance/Quality Control	LS % 5% 5
19.14	Independent Peer Review	LS % 0% 0
19.15	Supervision	LS % 3% 3
Signing and Pavement Marking Analysis Nontechnical Subtotal 17		
19.16	Coordination	LS % 3% 3
19. Signing and Pavement Marking Analysis Total 118		

Project Activity 19: Signing and Pavement Marking Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments	Comments
Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?
Sign Panel Design	EA	1	2	2	2		0
Queue Length Analysis	EA	0	0	0	0		0
Local Governments (cities, counties)	EA	1	2	2	2	yes	1
Other Meetings	EA	0	0	0	0		0
Subtotal Technical Meetings			4		4		Subtotal Project Manager Meetings
Progress Meetings (if required by FDOT)	EA	0	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3	--
Total Meetings			4		4		Total Project Manager Meetings (carries to Tab 3)

Carries to 19.12

Carries to Tab 3

20. Signing and Pavement Marking Plans Staff Hours							McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal 003879D		
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
20.1	Key Sheet	1		4	0	4	4	Provide documentation when negotiated hours differ from the calculated hours.	
	Signature Sheet	0		0	0	0	0		
20.2	General Notes/Pay Item Notes	1	Simple	6	0	6	6		
20.3	Project Layout	0		0	0	0	0		
20.4	Plan Sheet	Sheet(s)	3	Low	6	0	6	6	
		Sig Intersection Mid-Block Xing	1		2	0	2	2	
		Interchange Roundabout	0		0	0	0	0	
		Rest Area Toll Facility	0		0	0	0	0	
20.5	Special Details	Details	0	Simple	0	0	0	0	
			1	Standard	4	0	4	4	
			0	Complex	0	0	0	0	
20.6	Service Point Details	Service Point	0	Simple	0	0	0	0	
			0	Standard	0	0	0	0	
20.7	Guide Sign Data	Sign Panel	1		2	0	2	2	
20.8	Cross Sections (Sign Installations)	Overhead Sign Structures	1		3	0	3	3	
			0	Standard	0	0	0	0	
			0	Complex	0	0	0	0	
S&PM Plans Technical Hours Subtotal				27	0	27	27		
20.9	Quality Assurance/Quality Control	%	1	5%	2	0	2	2	
20.10	Supervision	%	1	5%	2	0	2	1	the 3% value will be indicated in the "negotiated" column. 27*.03=1
S&PM Plans Total				31	0	31	30		

Carries to Summary Tab

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	
21.2	Traffic Data Analysis	PI	1	268	268	Development and Screening of Alternatives = 24 hrs * 2 alternatives = 48 hrs Traffic Operational Analysis 16 hrs Traffic Technical Memorandum: 40 hrs for Draft TTM, 20 hrs for Final TTM 60 hrs Safety Analysis: 40 crash data + 80 hrs analysis + 24 hrs documentation 144 hrs Total = 268 hrs
21.3	Signal Warrant Study	LS	1	0	0	
21.4	System Timings	LS	1	0	0	
21.5	Reference and Master Signalization Design File	PI	1	40	40	
21.6	Reference and Master Interconnect Communication Design File	LS	1	8	8	
21.7	Overhead Street Name Sign Design	EA	3	3	9	
21.8	Pole Elevation Analysis	LS	1	2	2	
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Signalization Quantities for EQ Report	Signalized Intersections	1	Calculated Hours	20	
21.11	Cost Estimate	LS	1	12	12	3 hrs x 4 submittals
21.12	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
21.13	Other Signalization Analysis	LS	1	12	12	fiber optic cable splicing diagrams
				Signalization Analysis Technical Subtotal	371	
21.14	Field Reviews	LS	1	5	5	1 staff x (4 hour visit + 1 hour travel) = 5 hours
21.15	Technical Meetings	LS	1	4	4	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	5%	19	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	3%	11	
				Signalization Analysis Nontechnical Subtotal	39	

Project Activity 21: Signalization Analysis

21.19 Coordination	LS	%	3%	12	
21. Signalization Analysis Total					
					422
Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
FDOT Traffic Operations	EA	0	0	0	
FDOT Traffic Design	EA	0	0	0	
Power Company (service point coordination)	EA	2	1	2	yes
Maintaining Agency (cities, counties)	EA	2	1	2	yes
Railroads	EA	0	0	0	
Other Meetings	EA	0	0	0	
Subtotal Technical Meetings				4	Subtotal Project Manager Meetings
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3
Total Meetings				4	Total Project Manager Meetings (carries to Tab 3)
					4

Carries to 21.15

Carries to Tab 3

22. Signalization Plans Staff Hours							McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal 003870	
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	
What is the overall project complexity? (See Signalization Guidelines)								
			Mid				Provide documentation when negotiated hours differ from the calculated hours.	
22.1	Key Sheet	1		4	0	4	4	
	Signature Sheet	1		2	0	2	2	
22.2	General Notes/Pay Item Notes	1	Standard	9	0	9	9	
22.3	Signalization Plan Sheets	1	Mid	4	0	4	4	
22.4	Interconnect Plan Sheets	Sheet(s)	1	Mid	4	0	4	
22.5	Traffic Monitoring Site	Sites (Loop Detect.)	0		0	0	0	
		Sites (Other Detect.)	0		0	0	0	
22.6	Guide Sign Data	Sign Panel	3		6	0	6	
22.7	Special Details	Details	0	Simple	0	0	0	
			1	Standard	2	0	2	
			0	Complex	0	0	0	
22.8	Service Point Details	Service Point	0	Simple	0	0	0	
			0	Standard	0	0	0	
22.9	Mast Arm / Monotube Data	Signal Arm	4	Single Mast Arm	4	0	4	
			0	Double Mast Arm	0	0	0	
22.10	Strain Pole Schedule	Span	0		0	0	0	
22.11	TTCP Signal	Intersections w/o ped signal	0	Mid	0	0	0	
		Intersections with ped signal	1	Mid	24	0	24	
22.12	Temporary Detection Sheet	Intersections	1		4	0	4	
				Signalization Plans Technical Hours Subtotal	63	0	63	
20.13	Quality Assurance/Quality Control	%	1	5%	4	0	4	
20.14	Supervision	%	1	5%	4	0	2	the 3% value will be indicated in the "negotiated" column. 63*.03=2
				Signalization Plans Total	71	0	71	
							69	

Carries to Summary Tab

Project Activity 23: Lighting Analysis

Estimator:

McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal
003879D

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	
23.2	Lighting Design Analysis Report (LDAR)	LS	1	40	40	
23.3	Voltage Drop Calculations	EA	1	2	2	
23.4	FDEP Coordination and Report	LS	1	0	0	
23.5	Reference and Master Design Files	LS	1	48	48	25 hours for set up, and 90 hours per mile
23.6	Temporary Highway Lighting	LS	1	38	38	20 hours for analysis, 8 hours for set up, and 40 hours per mile $25 + 90 * 0.25 = 47.5$ $20 + 8 + 40 * 0.25$
23.7	Design Documentation	LS	1	8	8	Power company coordination documentation
23.8	Lighting Quantities for EQ Report	Light Poles	8	Calculated Hours 20	20	
23.9	Cost Estimate	LS	1	24	24	6 hrs x 4 submittals
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						180
23.12	Field Reviews	LS	1	5	5	1 staff x (4 hour visit + 1 hour travel) = 5 hours
23.13	Technical Meetings	LS	1	4	4	
23.14	Quality Assurance/Quality Control	LS	%	5%	9	
23.15	Independent Peer Review	LS	%	0%	0	
23.16	Supervision	LS	%	3%	5	
23.17	Coordination	LS	%	3%	6	
Lighting Analysis Nontechnical Subtotal						23
23. Lighting Analysis Total						209

Project Activity 23: Lighting Analysis

Technical Meetings	Units	No of Units	Hours/Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	2	1	2			0
Maintaining Agency (cities, counties)	EA	2	1	2			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			4				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				0

Carries to Tab 3

Carries to 23.1.3

Total Project Manager Meetings (carries to Tab 3)

Carries to Tab 3

Estimator:		24. Lighting Plans Staff Hours						McMullen Booth Road Bridge Northbound Off-Ramp Over Lake Tarpon Outfall Canal 003876D		
Representing		Print Name				Signature / Date				
FDOT District										
Consultant Name										
NOTE: Signature Block is optional, per District preference										
Task No.	Task	Project Parameter			Staff Hours			Documentation		
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.	
24.1	Key Sheet	1		4	0	4	4			
	Signature Sheet	0		0	0	0	0			
24.2	General Notes/Pay Item Notes	1	Standard	9	0	9	9			
24.3	Pole Data, Legend and Criteria	8		7	0	7	7			
24.4	Project Layout	0		0	0	0	0			
24.5	Plan Sheets (Corridor Projects)	Sheet(s)	3		9	0	9	9		
	Plan Sheets (Isolated Locations)	Intersections or Mid-Blocks	0		0	0	0	0		
		Interchanges or Rest Areas	0		0	0	0	0		
24.6	Special Details	Details	0	Simple	0	0	0	0		
			1	Standard	8	0	8	8		
			0	Complex	0	0	0	0		
24.7	Service Point Details	Service Point	0	Simple	0	0	0	0		
			1	Standard	12	0	12	12		
			0	Complex	0	0	0	0		
24.8	Temporary Highway Lighting	1	Standard	32	0	32	32			
Lighting Plans Technical Hours Subtotal				81	0	81	81			
24.9	Quality Assurance/Quality Control	%	1	5%	5	0	5	5		
24.10	Supervision	%	1	5%	5	0	5	3	the 3% value will be indicated in the "negotiated" column. 81*.03=1	
Lighting Plans Total				91	0	91	89			

Carries to Summary Tab

35. Geotechnical

NOTE: Signature Block is optional, per District preference							McMullen Booth NB Ramp Over Lake Tarpon Outfall Canal PID 003879D
Representing		Print Name			Signature / Date		
Pinellas County		Joseph R. Antinori, PE, Larry Moore, PE					
Roadway							
Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments	
							Roadway: Approximately 1,000 LF of Geometric Realignment/New Pavement Resilient Modulus/LBR for Pavement Design 22 Hand Auger (HA) borings x 5 feet = 110 lf 4 SPT borings x 15 feet = 60 lf 6 Pavement Cores with 3 ft HA Subgrade check = 18 lf
							Pond: Approximately 1.5 acres of new pond plus 0.5 acres of pond expansion Dry Ponds/Double Ring Infiltration Tests 2 acres x 3 HA per acre x 5 feet = 30 lf 2 acres x 2 SPT 1 per acre x 20 feet = 80 lf
							Total Estimate 6 Cores (18 lf) + 28 HA (140 lf) + 8 SPT (140 lf) = 42 Locations (298 lf)
							USDA/USGS Potentiometric/Existing Plans, Existing Utility Plans and SUE Files, Existing Structures Plans/Foundation Records, etc. Reviewed data will be used for deep foundation design and evaluation of historic constructability issues and risks.
35.1	Document Collection and Review	LS	1	12	12		Roadway and pond boring location plans
35.2	Develop Detailed Boring Location Plan	LS	1	2	2		Soil Borings plus pavement core locations
35.3	Stake Borings/Utility Clearance	Boring	42	0.4	17		Urban Land is unclassified and will require site specific explorations to delineate reworked and disturbed areas potentially backfilled with dredge materials from canal. 2-person crew for 1 crew day.
35.4	Muck Profiling	Crew Day	1	16	16		
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	1	4	4		MOT for Pavement Cores
35.6	Drilling Access Permits	Location	1	4	4		Right of Way Use Permits for Lane Closures
35.7	Property Clearances	EA	2	1	2		Coordinate with County to access locked gates and fenced off areas / SWFWMD.
35.8	Groundwater Monitoring	EA	4	2	8		Monitor 4 locations for data/gradient adjacent to existing canal.
35.9	LBR/Resilient Modulus Sampling	EA	5	2	10		Five (5) samples.
35.10	Coordination of Field Work	100 lf of boring	2.98	2	6		Coordination of lane closures and utility companies
35.11	Soil and Rock Classification - Roadway	100 lf of boring	2.98	2	6		
35.12	Design LBR	LS	1	4	4		Complete 90% Method per FDOT Soils and Foundation Handbook
35.13	Laboratory Data	100 lf of boring	2.98	1	3		
35.14	Seasonal High Water Table	Boring	20	1	20		
35.15	Parameters for Water Retention Areas	EA	2	2	4		2 Ponds - Site specific recommendations for each
35.16	Delineate Limits of Unsuitable Material	Cross-section	6	1	6		Urban Land is unclassified and will require site specific explorations to delineate reworked and disturbed areas potentially backfilled with unsuitable materials (organics, clay, debris, etc.).
35.17	Electronic Files for Cross-Sections	100 lf of boring	1.58	1	2		AutoCAD Civil 3D Pinellas County Kit Requirements
35.18	Embankment Settlement and Stability	Embankment Boring	2	2	4		Two Borings per approach embankment
35.19	Monitor Existing Structures	LS	1	2.5	3		Effort includes identification of structures susceptible to construction/vibration induced settlements. Coordination with ECRs to assist in Preparation of Plan Notes. Does not include Settlement and Vibration Monitoring Plan.
35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0		NA - To be Completed by KCA
35.21	Geotechnical Recommendations	LS	1	16	16		Roadway and ponds

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/Unit	Total Hours	Comments
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	1	5	5	Includes collection, measurements and photo documentation of pavement core, pavement core thickness, base material, base thickness and 2 feet of subgrade material.
35.23	Preliminary Roadway Report	LS	1	16	16	
35.24	Final Report	EA	1	16	16	
35.25	Auger Boring Drafting	100 lf boring	1.58	2.5	4	
35.26	SPT Boring Drafting	100 lf boring	1.4	3	4	
	Roadway Geotechnical Subtotal:					194
						Bridge: Replace existing McMullen Booth Road NB Off-Ramp Bridge over the Lake Tarpon Outfall Canal. New bridge width greater than 70-ft wide. Evaluate 2 minimum design alternatives for the bridge foundations based on 2 end bents and 4 intermediate bents. 12 SPT x 100 ft = 1200 lf
						Walls: Two (2) sheet pile walls. One at each end bent to facilitate phased construction. 2 SPT x 50 ft = 100 lf Two (2) Gravity walls 60 lf each. 4 SPT x 15 ft = 60 lf
						Miscellaneous Structures: Four (4) Mast Arm Signals 4 SPT x 35 ft = 140 lf
						Total Estimate: 22 SPT Borings (1500 lf)
35.27	Develop Detailed Boring Location Plan	LS	1	6	6	Bridge, Walls and Miscellaneous Structures
35.28	Stake Borings/Utility Clearance	Boring	22	0.5	11	
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	1	4	4	
35.30	Drilling Access Permits	Location	1	2	2	
35.31	Property Clearances	EA	0	0	0	
35.32	Collection of Corrosion Samples	EA	6	0.3	2	
35.33	Coordination of Field Work	100 lf of boring	15	1	15	
35.34	Soil and Rock Classification - Structures	100 lf of boring	15	2	30	
35.35	Tabulation of Laboratory Data	100 lf of boring	15	1	15	
35.36	Estimate Design Groundwater Level for Structures	EA	2	0.5	1	
						Perform preliminary analyses and develop considerations for driven pile and drilled shaft alternatives. This effort is based on evaluation of preliminary SPT Borings and laboratory testing.
						- Evaluate net scour capacities - Evaluate, document and photograph rock core data
						- Evaluate laboratory unconfined compressive strength and splitting tensile strength test results.
						- Determine Preliminary Design Side Resistance for Drilled Shafts Soltected in Florida Limestone
						- Perform axial analyses for driven pile alternatives.
						- Evaluate minimum shaft/pile embedment depths for post construction settlement
						- Coordinate collection of data for use by the Hydraulics Engineer in Scour analyses
						- Evaluate data for determination of Environmental Classification
						- Evaluate potential vibration impacts of driven pile types on adjacent structures.
35.37	Selection of Foundation Alternatives (FDR)	Bridge boring	6	5	30	

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/Unit	Total Hours	Comments
35.38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	12	6	72	Perform final analyses of the items listed in 35.37 for the selected foundation alternative. This effort will include the analysis and evaluation of all borings, geotechnical data and final structural design information. Several of the analyses performed during the BDR phase will need to be re-analyzed based on final borings, laboratory test results, structural loads, minimum tip elevations, downdring etc.
35.39	Bridge Construction and Testing Recommendations	Bridge boring	12	1	12	
35.40	Lateral Load Analysis (Optional)	Bridge boring	12	1	12	Provide FBMulti Pier soil parameters for use by KCA in lateral stability analysis.
35.41	Walls	Wall Boring	2	4	8	Gravity Walls
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	2	1	2	Provide soil parameters for use by KCA in sheet pile wall analyses and design.
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	4	1	4	Master Arm Signal
35.44	Box Culvert Analysis	EA	0	0	0	NA
35.45	Preliminary Report - BDR	EA	1	24	24	
35.46	Final Report - Bridge and Associated Walls	EA	1	40	40	Includes 60%, 90% and 100% Submittals
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	1	8	8	Gravity Walls
35.48	SP7 Boring Drafting	100 ft of boring	15	6	90	Includes Rock Core Summary Data
35.49	Other Geotechnical	LS	1	10	10	Rock Core Samples to FDOT Gainesville for RETA Testing
Structural Geotechnical Subtotal						398
Geotechnical Technical Subtotal						592
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	
35.51	Field Reviews	LS	2	4	8	
35.52	Technical Meetings	LS	1	<u>6</u>	6	Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	<u>5%</u>	30	
35.54	Supervision	LS	%	<u>5%</u>	30	
Geotechnical Nontechnical Subtotal						74
35.55	Coordination	LS	%	<u>3%</u>	20	
35. Geotechnical Total						686
Technical Meetings						
Kickoff Meeting with Pinellas County	EA	1	1	1	1	PM Attendance at Progress Meetings is manually entered on General Task 3 yes
Boeing Layout Approval	EA	1	1	1	1	1
Attend in BDR Review Meeting	EA	1	1	1	1	0
30/60/90% Submittal Review	EA	3	1	3	3	0
Other Meetings	EA	0	0	0	0	0
Subtotal Technical Meetings						6
Progress Meetings (if required by FDOT)	EA	0	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3 --
Phase Review Meetings	EA	0	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)						1
						Carries to Tab 3



**KISINGER CAMPO
& ASSOCIATES**

KISINGER CAMPO & ASSOCIATES, CORP.

PINELLAS COUNTY

**McMullen Booth Road Bridge North Bound Off-Ramp Professional Engineering Services
25-0196-RFP-CCNA**

EXHIBIT B

BILLING RATES

<u>CLASSIFICATIONS</u>	<u>BILLING RATES</u>
PROJECT MANAGER	\$292.43
CHIEF ENGINEER	\$301.12
SENIOR ENGINEER	\$254.86
ENGINEER	\$198.48
ENGINEERING INTERN	\$127.53
SENIOR DESIGNER	\$179.49
DESIGNER	\$156.02
SENIOR ENGINEERING TECHNICIAN	\$126.04
ENGINEERING TECHNICIAN	\$107.27
CHIEF SCIENTIST	\$249.72
SENIOR ENVIRONMENTAL SPECIALIST	\$191.10
SCIENTIST	\$1003.33
GIS SPECIALIST	\$133.94
GRAPHIC DESIGNER	\$133.24

EXHIBIT B

25-0196 RFP CCNA (AJM)
Tierra Project No.:6511-25-093

TIERRA, INC 2025
Home Loaded Rates

McMullen Booth Road Bridge

Notes

<i>From FDOT Prequalification Letter</i>	
Over head	151.10%
Operating Margin	39.00%
FCCM	3.254%
Direct Expense	8.13%
Base Multiplier	2.625
CDAF	0.0%
FDOT Derived	3.015 Multiplier

ENGINEERING AND TECHNICAL SERVICES		Tierra Inc Current Salary⁽¹⁾	Proposed Loaded Rates
Chief Engineer 2	Hour	\$81.25	\$244.96
Chief Scientist	Hour	\$62.98	\$189.87
Engineer 1	Hour	\$54.89	\$165.48
Engineer 2	Hour	\$54.62	\$164.67
Engineering Intern	Hour	\$42.15	\$127.08
Engineering Technician	Hour	\$32.50	\$97.98
Principal Engineer	Hour	\$86.06	\$259.46
Secretary/Clerical	Hour	\$39.50	\$119.09
Senior Designer	Hour	\$47.00	\$141.70
Senior Engineer 1	Hour	\$80.17	\$241.70
Senior Engineer 2	Hour	\$65.38	\$197.11
Senior Engineering Technician	Hour	\$41.64	\$125.54
Senior Scientist	Hour	\$56.25	\$169.58

Item Description	Unit	Unit Price
101-Aggregate Carbonates & Organic Matter FM 5-514	Test	\$ 164.00
102-Aggregate Org. Impurities S& for Concrete AASHTO T21	Test	\$ 89.00
103-Aggregate Shell Content of Coarse Aggregate FM 5-555	Test	\$ 124.00
104-Aggregate Sieve Anlsys of Fine & Coarse AASHTO T27	Test	\$ 94.50
105-Aggregate Soundness AASHTO T104	Test	\$ 371.00
106-Aggregate Specific Gravity/Absorption Coarse AASHTO T85	Test	\$ 115.50
107-Aggregate Total Moisture Content by Drying AASHTO T255	Test	\$ 68.50
108-Aggregate Unit Mass & Voids AASHTO T19	Test	\$ 71.50
109-Aggregate Specific Gravity/Absorption Fine AASHTO T84	Test	\$ 137.50
200-Asphalt Bulk Specific Gravity FM 1-T166	Test	\$ 78.50
201-Asphalt Content FM 5-563	Test	\$ 170.00
204-Asphalt Gradation FM 1-T030	Test	\$ 111.00
206-Asphalt Los Angeles (LA) Abrasion Coarse Agg FM 3-C535	Test	\$ 456.00
207-Asphalt Los Angeles (LA) Abrasion Small Agg FM 1-T096	Test	\$ 363.00
209-Asphalt Pavement Coring – 4" dia with Base Depth Check	Each	\$ 275.00
210-Asphalt Pavement Coring – 4" dia without Base Depth Check	Each	\$ 227.00
211-Asphalt Pavement Coring – 6" dia with Base Depth Check	Each	\$ 340.00
212-Asphalt Pavement Coring – 6" dia without Base Depth Check	Each	\$ 267.00
300-Concrete Beam Flexural Testing ASTM C78	Test	\$ 66.35
301-Concrete Compressive Strength of Grout\Mortar ASTM C109	Test	\$ 38.00
302-Concrete Cylinder Curing, Capping & Breaking ASTM C39	Test	\$ 52.25
303-Concrete Drilled Cores & Sawed Beams ASTM C42	Test	\$ 74.50
305-Concrete Pavement Coring - 4" Dia	Each	\$ 276.00
306-Concrete Pavement Coring - 6" Dia	Each	\$ 300.00
401-Geo Auger Borings- Hand & Truck/Mud Bug	LF	\$ 14.00
402-Geo Auger Borings- Track	LF	\$ 19.00
403-Geo Backhoe (Owned)	Day	\$ 1,500.00
405-Geo Barge (Owned)	Day	\$ 4,200.00
407-Geo Chainsaw (Owned)	Day	\$ 130.00
415-Geo Double Ring Infiltration ASTM D3385	Each	\$ 700.00
416-Geo Dozer (Owned)	Day	\$ 1,780.00
418-Geo Drill Crew Support Vehicle	Day	\$ 295.00
421-Geo Dynamic Pile Testing/Pile Driving Analyzer	Day	\$ 630.00
422-Geo Extra SPT Samples-Barge/Track/Amphibious 000-050 Ft	Each	\$ 115.00
423-Geo Extra SPT Samples-Barge/Track/Amphibious 050-100 Ft	Each	\$ 115.00
424-Geo Extra SPT Samples-Barge/Track/Amphibious 100-150 Ft	Each	\$ 130.00
425-Geo Extra SPT Samples-Barge/Track/Amphibious 150-200 Ft	Each	\$ 170.00
427-Geo Extra SPT Samples-Truck/Mud Bug 000-050 Ft	Each	\$ 115.00
428-Geo Extra SPT Samples-Truck/Mud Bug 050-100 Ft	Each	\$ 115.00
429-Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 130.00
430-Geo Extra SPT Samples-Truck/Mud Bug 150-200 Ft	Each	\$ 130.00
432-Geo Field Permeability 0-10 Ft (Open - End Borehole Method)	Each	\$ 440.00
434-Geo Ground Penetrating Radar (GPR)	Hour	\$ 430.00

Item Description	Unit	Unit Price
435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft	LF	\$ 11.00
436-Geo Grout Boreholes- Barge/Track/Amphibious 050-100 Ft	LF	\$ 12.60
437-Geo Grout Boreholes- Barge/Track/Amphibious 100-150 Ft	LF	\$ 18.90
438-Geo Grout Boreholes- Barge/Track/Amphibious 150-200 Ft	LF	\$ 27.00
440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft	LF	\$ 7.90
441-Geo Grout Boreholes- Truck/Mud Bug 050-100 Ft	LF	\$ 9.70
442-Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 14.70
443-Geo Grout Boreholes- Truck/Mud Bug 150-200 Ft	LF	\$ 19.95
445-Geo Grouted Monitor Well 2" 000-050 Ft	LF	\$ 45.00
450-Geo Piezometer 2" 000-050 Ft	LF	\$ 55.00
453-Geo Rock Coring Barge/Track/Amphibious 000-050 Ft less than 4" ID	LF	\$ 75.00
455-Geo Rock Coring Barge/Track/Amphibious 050-100 Ft less than 4" ID	LF	\$ 88.00
457-Geo Rock Coring Barge/Track/Amphibious 100-150 Ft less than 4" ID	LF	\$ 95.00
459-Geo Rock Coring Barge/Track/Amphibious 150-200 Ft less than 4" ID	LF	\$ 115.50
463-Geo Rock Coring Truck/Mud Bug 000-050 Ft less than 4" ID	LF	\$ 53.00
465-Geo Rock Coring Truck/Mud Bug 050-100 Ft less than 4" ID	LF	\$ 62.00
467-Geo Rock Coring Truck/Mud Bug 100-150 Ft less than 4" ID	LF	\$ 70.00
473-Geo SPT Barge/Track/Amphibious 000-050 Ft	LF	\$ 28.50
474-Geo SPT Barge/Track/Amphibious 050-100 Ft	LF	\$ 37.00
475-Geo SPT Barge/Track/Amphibious 100-150 Ft	LF	\$ 58.00
476-Geo SPT Barge/Track/Amphibious 150-200 Ft	LF	\$ 78.00
478-Geo SPT Truck-Mud Bug 0-50 Ft	LF	\$ 18.50
479-Geo SPT Truck-Mud Bug 50-100 Ft	LF	\$ 22.00
480-Geo SPT Truck-Mud Bug 100-150 Ft	LF	\$ 37.00
481-Geo SPT Truck-Mud Bug 150-200 Ft	LF	\$ 50.00
483-Geo Temp Casing 3" Barge/Track/Amphibious 0-050 Ft	LF	\$ 17.00
484-Geo Temp Casing 3" Barge/Track/Amphibious 50-100 Ft	LF	\$ 21.00
485-Geo Temp Casing 3" Barge/Track/Amphibious 100-150 Ft	LF	\$ 27.00
486-Geo Temp Casing 3" Barge/Track/Amphibious 150-200 Ft	LF	\$ 33.00
488-Geo Temp Casing 3" Truck/Mud Bug 000-050 Ft	LF	\$ 12.00
489-Geo Temp Casing 3" Truck/Mud Bug 050-100 Ft	LF	\$ 15.75
490-Geo Temp Casing 3" Truck/Mud Bug 100-150 Ft	LF	\$ 19.00
491-Geo Temp Casing 3" Truck/Mud Bug 150-200 Ft	LF	\$ 24.25
514-Geo Truck/Mud Bug Mobil (30 miles straightline distance)	Each	\$ 840.00
515-Geo Undisturbed Samples Barge/Track/Amphibious 000-050 Ft	Each	\$ 308.00
516-Geo Undisturbed Samples Barge/Track/Amphibious 050-100 Ft	Each	\$ 350.00
517-Geo Undisturbed Samples Barge/Track/Amphibious 100-150 Ft	Each	\$ 430.00
518-Geo Undisturbed Samples Barge/Track/Amphibious 150-200 Ft	Each	\$ 500.00
519-Geo Undisturbed Samples Truck/Mud Bug 000-050 Ft	Each	\$ 220.00
520-Geo Undisturbed Samples Truck/Mud Bug 050-100 Ft	Each	\$ 240.00
521-Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft	Each	\$ 300.00
522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 350.00
525-Geo Well Development	Hour	\$ 205.00
531-Geo Truck/Mudbug Drill Rig and Crew (2-person)	Hour	\$ 280.00
532-Geo Truck/Mudbug Drill Rig and Crew (3-person)	Hour	\$ 360.00

Item Description	Unit	Unit Price
533-Geo Track/Barge Drill Rig and Crew (2-person)	Hour	\$ 305.00
534-Geo Track/Barge Drill Rig and Crew (3-person)	Hour	\$ 460.00
535-Geo Clearing Equip- Tractor, Bush Hog Attachment	Day	\$ 1,700.00
536-Geo Clearing Equip-Skid Steer/ASV, ForestMulching Attach	Day	\$ 2,400.00
537-Geo Clearing Equip-Skid Steer/ASV, Brush Cutter Attach	Day	\$ 1,850.00
538-Geo Clearing Equipment	Day	\$ 2,400.00
539-Geo Wash Boring for Rock Cores 0-50 Ft	LF	\$ 14.00
540-Geo Wash Boring for Rock Cores 50-100 Ft	LF	\$ 15.00
541-Geo Wash Boring for Rock Cores 100-150 Ft	LF	\$ 24.00
542-Geo Wash Boring for Rock Cores 150-200 Ft	LF	\$ 27.25
602-Mobilization-Vibration Monitoring Equipment	Each	\$ 399.00
603-Mobilization Asphalt Coring Equipment	Each	\$ 515.00
606-Mobilization Concrete Coring	Each	\$ 510.00
608 Mobilization Drill Rig Amphibious	Each	\$ 12,600.00
609-Geo Mobilization Drill Rig Barge Mount	Each	\$ 13,000.00
610-Geo Mobilization Drill Rig Track Mount	Each	\$ 3,500.00
612-Geo Mobilization Drill Rig Truck Mount	Each	\$ 640.00
614-Geo Mobilization Mudbug/All Terrain Vehicle	Each	\$ 1,225.00
618-Geo Mobilization Support Boat	Each	\$ 670.00
619-Geo Mobilization Tri-Pod	Each	\$ 1,900.00
620-Mobilization of Clearing Equipment	Each	\$ 700.00
701-MOT Attenuator Truck	Hour	\$ 300.00
702-MOT Channelizing Devices - Type I, II, VP, Drum (each)	Each	\$ 5.30
706-MOT Portable Sign	Each	\$ 52.50
708-MOT Provide Channelizing Devices - Cone	Each	\$ 9.00
710-MOT Shadow Vhcle w/ Adv. Warning Arrow & Attenuator	Hour	\$ 310.00
712-MOT Support Vehicle	Hour	\$ 162.00
800-Soils Chloride Soil or Water (FM 5-552)	Test	\$ 115.00
803-Soils Consolidation - Constant Strain (ASTM D4186)	Test	\$ 670.00
804-Soils Consolidation - Extended Load Increments (AASHTO T216)	Day	\$ 218.00
805-Soils Corrosion Series (FM 5-550 through 5-553)	Test	\$ 320.00
806-Soils Direct Shear Consolidated Drained/ Point AASHTO T 236	Test	\$ 420.00
810-Soils Limerock Bearing Ratio (LBR)(FM 5-515)	Test	\$ 450.00
811-Soils Liquid Limit (AASHTO T 89)	Test	\$ 75.00
812-Soils Materials Finer than 200 Sieve (FM 1-T011)	Test	\$ 65.00
817-Soils Moisture Content Laboratory (AASHTO T 265)	Test	\$ 21.00
819-Soils Organic Content Ignition (FM 1 T-267)	Test	\$ 61.00
821-Soils Particle Size Analysis (AASHTO T 88) (Including Hydrometer)	Test	\$ 250.00
822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer)	Test	\$ 98.00
823-Soils Permeability Constant Head (AASHTO T 215)	Test	\$ 435.00
824-Soils Permeability Falling Head (FM 5-513)	Test	\$ 385.00
825-Soils pH Soil or Water (FM 5-550)	Test	\$ 44.00
826-Soils Plastic Limit & Plasticity Index (AASHTO T 90)	Test	\$ 76.00
827-Soils Proctor Modified (FM 1-T 180)	Test	\$ 160.00
828-Soils Proctor Standard (AASHTO T 99)	Test	\$ 160.00
829-Soils Resistivity Soil or Water (FM 5-551)	Test	\$ 73.00
832-Soils Splitting Tensile Strength of Rock Cores (ASTM D3967)	Test	\$ 195.00
833-Soils Sulfate Soil or Water (FM 5-553)	Test	\$ 80.00
838-Soils Unconfined Compression - Rock (ASTM D7012, Method C)	Test	\$ 250.00

Item Description	Unit	Unit Price
Tierra Contamination Standard Test Items		
Arsenic (Method 6010/7471)	Each	\$ 9.00
Asbestos Samples	Each	\$ 15.00
BTEX and MTBE (Method 8260)	Each	\$ 65.00
Chlorinated Herbicides (Method 8151)	Each	\$ 100.00
Drilling Permit Costs IE DEP	Each	\$ 250.00
EDR Report	Each	\$ 500.00
Field Sampling Kit (soil)	Each	\$ 75.00
Field Sampling Survey Kit (water)	Each	\$ 75.00
Flagman and Barricades 2-Man Crew Own Equipment	Day	\$ 1,080.00
Handheld GPS	Per Day	\$ 80.34
Mercury Individual (Method 6010/7471)	Each	\$ 25.00
Organic Vapor Analyzer (OVA)	Day	\$ 150.00
Organochlorine Pesticides (Method 8081)	Each	\$ 100.00
Organophosphorous Pesticides (Method 8141)	Each	\$ 125.00
Polyaromatic Hydrocarbons (Method 8270)	Each	\$ 100.00
Polychlorinated Biphenals (8082)	Each	\$ 75.00
Power Auger Boring (includes decontamination to a depth of 25 feet)	Foot	\$ 11.90
RCRA 8 Metals (Method 6010/7471)	Each	\$ 65.00
RCRA Metals Individual (Method 6010/7471)	Each	\$ 9.00
Semi-Volatiles (Method 8270)	Each	\$ 200.00
Site Clearing to Access Boring or Test Locations	Hour	\$ 210.00
SPLP/TCLP Metals	Each	\$ 198.00
TPH Method FL-Pro	Each	\$ 65.00
Ultr Low Trace Mercury GW Individual (Method 1631)	Each	\$ 75.00
Volatile Organics (Method 8260)	Each	\$ 95.00
Volatile Organics BTEX/MTBE(Method 8260)	Each	\$ 60.00
ENGINEERING AND TECHNICAL SERVICES		
Chief Engineer 2	Hour	\$ 244.96
Chief Scientist	Hour	\$ 189.87
Engineer 1	Hour	\$ 165.48
Engineer 2	Hour	\$ 164.67
Engineering Intern	Hour	\$ 127.08
Engineering Technician	Hour	\$ 97.98
Principal Engineer	Hour	\$ 259.46
Secretary/Clerical	Hour	\$ 119.09
Senior Designer	Hour	\$ 141.70
Senior Engineer 1	Hour	\$ 241.70
Senior Engineer 2	Hour	\$ 197.11
Senior Engineering Technician	Hour	\$ 125.54
Senior Scientist	Hour	\$ 169.58

EXHIBIT B

25-0196 RFP - CCNA

DPS Corp 2025
Home Loaded Rates

McMullen Booth Road Bridge NB
offramp over
Lake Tarpon Bypass Canal

Notes

<i>From FDOT Prequalification Letter</i>	
Over head	170.53%
Operating Margin	39.00%
FCCM	0.370%
Direct Expense	6.00%
Base Multiplier	2.769
CDAF	4.5%
<i>FDOT Derived</i>	<i>3.204 Multiplier</i>

ENGINEERING AND TECHNICAL SERVICES	DPS	Proposed Loaded Rates
	Current Salary ⁽¹⁾	
Chief Scientist	Hour	\$176.89
MAT Project Manager	Hour	\$176.89
Senior Engineering Technician	Hour	\$81.70

DPS
Appendix A

Item Description	Unit	Unit Price
209-Asphalt Pavement Coring – 4" dia with Base Depth Check	Each	\$ 258.00
210-Asphalt Pavement Coring – 4" dia without Base Depth Check	Each	\$ 212.00
211-Asphalt Pavement Coring – 6" dia with Base Depth Check	Each	\$ 290.00
212-Asphalt Pavement Coring – 6" dia without Base Depth Check	Each	\$ 230.00
305-Concrete Pavement Coring - 4" Dia	Each	\$ 230.00
306-Concrete Pavement Coring - 6" Dia	Each	\$ 265.00
401-Geo Auger Borings- Hand & Truck/Mud Bug	LF	\$ 13.25
402-Geo Auger Borings- Track	LF	\$ 18.00
403-Geo Backhoe (Owned)	Day	\$ 1,250.00
406-Geo Barge (Rental without labor)	Task	\$ 5,700.00
407-Geo Chainsaw (Owned)	Day	\$ 110.00
409-Geo CPT Truck/Mud Bug 0-50 Ft	LF	\$ 17.25
410-Geo CPT Truck/Mud Bug 50-100 Ft	LF	\$ 18.75
411-Geo CPT Truck/Mud Bug 100-150 Ft	LF	\$ 21.00
412-Geo CPT Truck/Mud Bug 150-200 Ft	LF	\$ 25.00
415-Geo Double Ring Infiltration ASTM D3385	Each	\$ 640.00
416-Geo Dozer (Owned)	Day	\$ 1,600.00
418-Geo Drill Crew Support Vehicle	Day	\$ 240.00
422-Geo Extra SPT Samples-Barge/Track/Amphibious 000-050 Ft	Each	\$ 120.00
423-Geo Extra SPT Samples-Barge/Track/Amphibious 050-100 Ft	Each	\$ 120.00
424-Geo Extra SPT Samples-Barge/Track/Amphibious 100-150 Ft	Each	\$ 120.00
425-Geo Extra SPT Samples-Barge/Track/Amphibious 150-200 Ft	Each	\$ 140.00
427-Geo Extra SPT Samples-Truck/Mud Bug 000-050 Ft	Each	\$ 120.00
428-Geo Extra SPT Samples-Truck/Mud Bug 050-100 Ft	Each	\$ 120.00
429-Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 120.00
430-Geo Extra SPT Samples-Truck/Mud Bug 150-200 Ft	Each	\$ 120.00
432-Geo Field Permeability 0-10 Ft (Open - End Borehole Method)	Each	\$ 400.00
434-Geo Ground Penetrating Radar (GPR)	Hour	\$ 390.00
435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft	LF	\$ 10.00
436-Geo Grout Boreholes- Barge/Track/Amphibious 050-100 Ft	LF	\$ 12.00
437-Geo Grout Boreholes- Barge/Track/Amphibious 100-150 Ft	LF	\$ 16.00
438-Geo Grout Boreholes- Barge/Track/Amphibious 150-200 Ft	LF	\$ 22.00
440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft	LF	\$ 7.50
441-Geo Grout Boreholes- Truck/Mud Bug 050-100 Ft	LF	\$ 9.00
442-Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 12.50
443-Geo Grout Boreholes- Truck/Mud Bug 150-200 Ft	LF	\$ 18.00
445-Geo Grouted Monitor Well 2" 000-050 Ft	LF	\$ 39.00
450-Geo Piezometer 2" 000-050 Ft	LF	\$ 48.00
453-Geo Rock Coring Barge/Track/Amphibious 000-050 Ft less than 4" ID	LF	\$ 68.00
455-Geo Rock Coring Barge/Track/Amphibious 050-100 Ft less than 4" ID	LF	\$ 81.00
457-Geo Rock Coring Barge/Track/Amphibious 100-150 Ft less than 4" ID	LF	\$ 90.00
459-Geo Rock Coring Barge/Track/Amphibious 150-200 Ft less than 4" ID	LF	\$ 110.00

DPS
Appendix A

McMullen Booth Rd Bridge
NB Off Ramp over
Lake Tarpon Bypass Canal

Item Description	Unit	Unit Price
463-Geo Rock Coring Truck/Mud Bug 000-050 Ft less than 4" ID	LF	\$ 50.00
465-Geo Rock Coring Truck/Mud Bug 050-100 Ft less than 4" ID	LF	\$ 59.00
467-Geo Rock Coring Truck/Mud Bug 100-150 Ft less than 4" ID	LF	\$ 65.00
473-Geo SPT Barge/Track/Amphibious 000-050 Ft	LF	\$ 27.00
474-Geo SPT Barge/Track/Amphibious 050-100 Ft	LF	\$ 34.00
475-Geo SPT Barge/Track/Amphibious 100-150 Ft	LF	\$ 55.00
476-Geo SPT Barge/Track/Amphibious 150-200 Ft	LF	\$ 72.00
478-Geo SPT Truck-Mud Bug 0-50 Ft	LF	\$ 17.50
479-Geo SPT Truck-Mud Bug 50-100 Ft	LF	\$ 21.00
480-Geo SPT Truck-Mud Bug 100-150 Ft	LF	\$ 35.00
481-Geo SPT Truck-Mud Bug 150-200 Ft	LF	\$ 46.00
483-Geo Temp Casing 3" Barge/Track/Amphibious 0-050 Ft	LF	\$ 16.00
484-Geo Temp Casing 3" Barge/Track/Amphibious 50-100 Ft	LF	\$ 20.00
485-Geo Temp Casing 3" Barge/Track/Amphibious 100-150 Ft	LF	\$ 24.00
486-Geo Temp Casing 3" Barge/Track/Amphibious 150-200 Ft	LF	\$ 30.00
488-Geo Temp Casing 3" Truck/Mud Bug 000-050 Ft	LF	\$ 11.00
489-Geo Temp Casing 3" Truck/Mud Bug 050-100 Ft	LF	\$ 14.50
490-Geo Temp Casing 3" Truck/Mud Bug 100-150 Ft	LF	\$ 18.00
491-Geo Temp Casing 3" Truck/Mud Bug 150-200 Ft	LF	\$ 22.50
515-Geo Undisturbed Samples Barge/Track/Amphibious 000-050 Ft	Each	\$ 260.00
516-Geo Undisturbed Samples Barge/Track/Amphibious 050-100 Ft	Each	\$ 300.00
517-Geo Undisturbed Samples Barge/Track/Amphibious 100-150 Ft	Each	\$ 370.00
518-Geo Undisturbed Samples Barge/Track/Amphibious 150-200 Ft	Each	\$ 450.00
519-Geo Undisturbed Samples Truck/Mud Bug 000-050 Ft	Each	\$ 200.00
520-Geo Undisturbed Samples Truck/Mud Bug 050-100 Ft	Each	\$ 225.00
521-Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft	Each	\$ 270.00
522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 310.00
525-Geo Well Development	Hour	\$ 195.00
531-Geo Truck/Mudbug Drill Rig and Crew (2-person)	Hour	\$ 260.00
532-Geo Truck/Mudbug Drill Rig and Crew (3-person)	Hour	\$ 340.00
533-Geo Track/Barge Drill Rig and Crew (2-person)	Hour	\$ 280.00
534-Geo Track/Barge Drill Rig and Crew (3-person)	Hour	\$ 390.00
535-Geo Clearing Equip- Tractor, Bush Hog Attachment	Day	\$ 1,650.00
536-Geo Clearing Equip-Skid Steer/ASV, ForestMulching Attach	Day	\$ 2,200.00
537-Geo Clearing Equip-Skid Steer/ASV, Brush Cutter Attach	Day	\$ 2,000.00
538-Geo Clearing Equipment	Day	\$ 2,200.00
539-Geo Wash Boring for Rock Cores 0-50 Ft	LF	\$ 13.00
540-Geo Wash Boring for Rock Cores 50-100 Ft	LF	\$ 14.00
541-Geo Wash Boring for Rock Cores 100-150 Ft	LF	\$ 23.00
603-Mobilization Asphalt Coring equipment	Each	\$ 450.00
606-Mobilization Concrete Coring	Each	\$ 450.00

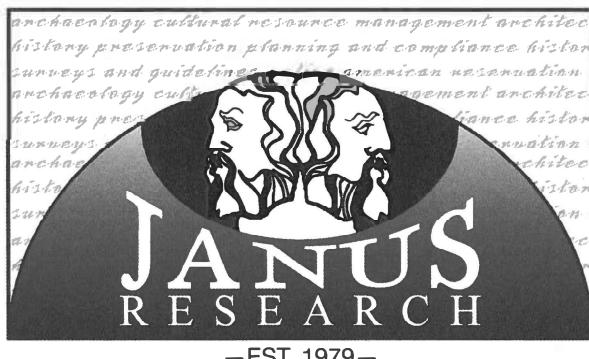
DPS
Appendix A

McMullen Booth Rd Bridge
NB Off Ramp over
Lake Tarpon Bypass Canal

Item Description	Unit	Unit Price
609-Geo Mobilization Drill Rig Barge Mount	Each	\$ 11,300.00
610-Geo Mobilization Drill Rig Track Mount	Each	\$ 3,500.00
612-Geo Mobilization Drill Rig Truck Mount	Each	\$ 610.00
614-Geo Mobilization Mudbug/All Terrain Vehicle	Each	\$ 990.00
618-Geo Mobilization Support Boat	Each	\$ 630.00
619-Geo Mobilization Tri-Pod	Each	\$ 1,800.00
620-Mobilization of Clearing Equipment	Each	\$ 700.00
701-MOT Attenuator Truck	Hour	\$ 310.00
702-MOT Channelizing Devices - Type I, II, VP, Drum (each)	Each	\$ 5.00
706-MOT Portable Sign	Each	\$ 46.00
708-MOT Provide Channelizing Devices - Cone	Each	\$ 7.00
710-MOT Shadow Vhcle w/ Adv. Warning Arrow & Attenuator	Hour	\$ 280.00
712-MOT Support Vehicle	Hour	\$ 155.00
Contamination Test Items		
Arsenic (Method 6010/7471)	Each	\$ 11.00
Asbestos Samples	Each	\$ 15.00
BTEX and MTBE (Method 8260)	Each	\$ 65.00
Chlorinated Herbicides (Method 8151)	Each	\$ 100.00
Drilling Permit Costs IE DEP	Each	\$ 250.00
EDR Report	Each	\$ 500.00
Field Sampling Kit (soil)	Each	\$ 75.00
Field Sampling Survey Kit (water)	Each	\$ 75.00
Flagman and Barricades 2-Man Crew Own Equipment	Day	\$ 1,810.00
Handheld GPS	Per Day	\$ 80.34
Mercury Individual (Method 6010/7471)	Each	\$ 25.00
Organic Vapor Analyzer (OVA)	Day	\$ 150.00
Organochlorine Pesticides (Method 8081)	Each	\$ 100.00
Organophosphorous Pesticides (Method 8141)	Each	\$ 125.00
Polyaromatic Hydrocarbons (Method 8270)	Each	\$ 100.00
Polychlorinated Biphenals (8082)	Each	\$ 75.00
Power Auger Boring (includes decontamination to a depth of 25 feet)	Foot	\$ 11.90
RCRA 8 Metals (Method 6010/7471)	Each	\$ 65.00
RCRA Metals Individual (Method 6010/7471)	Each	\$ 9.00
Semi-Volatiles (Method 8270)	Each	\$ 200.00
SPLP/TCLP Metals	Each	\$ 198.00
TPH Method FL-Pro	Each	\$ 65.00
Ultr Low Trace Mercury GW Individual (Method 1631)	Each	\$ 75.00
Volatile Organics (Method 8260)	Each	\$ 95.00
Volatile Organics BTEX/MTBE(Method 8260)	Each	\$ 60.00
Engineering and Technical Services		
Chief Scientist	Hour	\$ 176.89
MAT Project Manager	Hour	\$ 176.89
Senior Engineering Technician	Hour	\$ 81.70

EXHIBIT B

JANUS MAIN OFFICE
1107 N. Ward Street
Tampa, FL 33607



Tel. 813.636.8200
Fax 813.636.8212
janus@janus-research.com

Tampa Bay • Miami • Ft. Myers • Atlanta

25-0196-RFP-CCNA(AJM) McMullen Booth Road Bridge

EXHIBIT B - Janus Research Billing Rates

Classification	Fully Burdened Hourly Rate
Archaeologist	77.74
Chief Archaeologist	130.22
Project Manager	248.00
Graphoc Designer	78.17
Scientist	77.77
Secretary/Clerical	52.56
Chief Scientist	179.58
Senior Archaeologist	87.61
Senior Scietist	131.98

I hereby certify that the above information and rates are current and accurate as of April 3,

Keem u Hart

Signature

Kenneth Hardin

Printed Name

April 3, 2025

DATE



April 3, 2025

Veronica Green
KCA
201 North Franklin Street, Suite 900
Tampa, Florida 33602

RE: 25-0196-RFP-CCNA(AJM) McMullen Booth Road Bridge

Dear Ms. Green:

Listed below are the proposed fully loaded rates for the above referenced contract:

Appraisal Research Assistant	\$100.55
Clerical/Administrative	\$71.92
Project Manager	\$187.59
Senior Acquisition Agent	\$146.95
Acquisition Agent	\$125.00

If you have any questions or need additional information, please let me know.

Sincerely,

INDEPENDENCE ACQUISITION & APPRAISAL, LLC

Kelly Joslin
President

EXHIBIT C - Insurance Requirements

1.1. INSURANCE (General)

The Vendor must provide a certificate of insurance and endorsement in accordance with the insurance requirements listed below, prior to recommendation for award. The Vendor shall obtain and maintain, and require any subcontractor to obtain and maintain, at all times during its performance of the Agreement in Phase 1 insurance of the types and in the amounts set forth. For projects with a Completed Operations exposure, Vendor shall maintain coverage and provide evidence of insurance for 2 years beyond final acceptance. All insurance policies shall be from responsible companies duly authorized to do business in the State of Florida and have an AM Best rating of VIII or better.

1.2. INSURANCE (Requirements)

- A. Submittals should include, the Vendor's current Certificate(s) of Insurance. If Vendor does not currently meet insurance requirements, Vendor shall also include verification from their broker or agent that any required insurance not provided at that time of submittal will be in place prior to the award of contract. Upon selection of Vendor for award, the selected Vendor shall email certificate that is compliant with the insurance requirements. If the certificate received is compliant, no further action may be necessary. The Certificate(s) of Insurance shall be signed by authorized representatives of the insurance companies shown on the Certificate(s).
- B. **The Certificate holder section shall indicate Pinellas County, a Political Subdivision of the State of Florida, 400 S Fort Harrison Ave, Clearwater, FL 33756. Pinellas County, a Political Subdivision shall be named as an Additional Insured for General Liability. A Waiver of Subrogation for Workers Compensation shall be provided if Workers Compensation coverage is a requirement.**
- C. Approval by the County of any Certificate(s) of Insurance does not constitute verification by the County that the insurance requirements have been satisfied or that the insurance policy shown on the Certificate(s) of Insurance is in compliance with the requirements of the Agreement. County reserves the right to require a certified copy of the entire insurance policy, including endorsement(s), at any time during the Bid and/or contract period.
- D. If any insurance provided pursuant to the Agreement expires or cancels prior to the completion of the Work, you will be notified by CTrax, the authorized vendor of Pinellas County. Upon notification, renewal Certificate(s) of Insurance and endorsement(s) shall be furnished to Pinellas County Risk Management at InsuranceCerts@pinellascounty.org and to CTrax c/o JDI Data at PinellasSupport@ididata.com by the Vendor or their agent prior to the expiration date.
 1. Vendor shall also notify County within twenty-four (24) hours after receipt, of any notices of expiration, cancellation, nonrenewal or adverse material change in coverage received by said Vendor from its insurer. Notice shall be given by email to Pinellas County Risk

Management at InsuranceCerts@pinellascounty.org. Nothing contained herein shall absolve Vendor of this requirement to provide notice.

2. Should the Vendor, at any time, not maintain the insurance coverages required herein, the County may terminate the Agreement.,
- E. If subcontracting is allowed under this Bid, the Primary Vendor shall obtain and maintain, at all times during its performance of the Agreement, insurance of the types and in the amounts set forth; and require any subcontractors to obtain and maintain, at all times during its performance of the Agreement, insurance limits as it may apply to the portion of the Work performed by the subcontractor; but in no event will the insurance limits be less than \$500,000 for Workers' Compensation/Employers' Liability, and \$1,000,000 for General Liability and Auto Liability if required below.
 1. All subcontracts between the Vendor and its Subcontractors shall be in writing and are subject to the County's prior written approval. Further, all subcontracts shall
 - a. Require each Subcontractor to be bound to the Vendor to the same extent the Vendor is bound to the County by the terms of the Contract Documents, as those terms may apply to the portion of the Work to be performed by the Subcontractor;
 - b. Provide for the assignment of the subcontracts from the Vendor to the County at the election of Owner upon termination of the Contract;
 - c. Provide that County will be an additional indemnified party of the subcontract;
 - d. Provide that the County will be an additional insured on all insurance policies required to be provided by the Subcontractor except workers compensation and professional liability;
 - e. Provide a waiver of subrogation in favor of the County and other insurance terms and/or conditions
 - f. Assign all warranties directly to the County; and
 - g. Identify the County as an intended third-party beneficiary of the subcontract. The Vendor shall make available to each proposed Subcontractor, prior to the execution of the subcontract, copies of the Contract Documents to which the Subcontractor will be bound by this Section C and identify to the Subcontractor any terms and conditions of the proposed subcontract which may be at variance with the Contract Documents.
- F. Each insurance policy and/or certificate shall include the following terms and/or conditions:
 1. The Named Insured on the Certificate of Insurance and insurance policy must match the entity's name that responded to the solicitation and/or is signing the agreement with the County.

2. Companies issuing the insurance policy, or policies, shall have no recourse against County for payment of premiums or assessments for any deductibles which all are at the sole responsibility and risk of Vendor.
3. The term "County" or "Pinellas County" shall include all Authorities, Boards, Bureaus, Commissions, Divisions, Departments and Constitutional offices of County and individual members, employees thereof in their official capacities, and/or while acting on behalf of Pinellas County.
4. All policies shall be written on a primary, non-contributory basis.

The minimum insurance requirements and limits for this Agreement, which shall remain in effect throughout its duration and for two (2) years beyond final acceptance for projects with a Completed Operations exposure, are as follows:

1.3. WORKERS' COMPENSATION INSURANCE

Worker's Compensation Insurance is required if required pursuant to Florida law. If, pursuant to Florida law, Worker's Compensation Insurance is required, employer's liability, also known as Worker's Compensation Part B, is also required in the amounts set forth herein.

A. Limits

1. Employers' Liability Limits Florida Statutory
 - a. Per Employee \$ 500,000
 - b. Per Employee Disease \$ 500,000
 - c. Policy Limit Disease \$ 500,000

If Vendor is not required by Florida law, to carry Workers Compensation Insurance in order to perform the requirements of this Agreement, County Waiver Form for workers compensation must be executed, submitted, and accepted by Risk Management. The County Waiver Form is found at <https://pinellas.gov/services/submit-a-workers-compensation-waiver-request/>. Failure to obtain required Worker's Compensation Insurance without submitting and receiving a waiver from Risk Management constitutes a material breach of this Agreement.

1.4. COMMERCIAL GENERAL LIABILITY INSURANCE

Includes, but not limited to, Independent Vendor, Contractual Liability Premises/Operations, Products/Completed Operations, and Personal Injury.

A. Limits

1. Combined Single Limit Per Occurrence \$ 1,000,000
2. Products/Completed Operations Aggregate \$ 2,000,000
3. Personal Injury and Advertising Injury \$ 1,000,000

4. General Aggregate \$ 2,000,000

1.5. POLLUTION LEGAL/ENVIRONMENTAL LEGAL LIABILITY INSURANCE

For pollution losses arising from all services performed to comply with this contract. Coverage shall apply to sudden and gradual pollution conditions including the discharge, dispersal, release or escape of smoke, vapors, soot, fumes, acids, alkalis, toxic chemicals, liquids or gases, waste materials or other irritants, contaminants or pollutants into or upon land, the atmosphere or any watercourse or body of water, which results in Bodily Injury or Property Damage. If policy is written on a Claims Made form, a retroactive date is required, and coverage must be maintained for 3 years after completion of contract or "tail coverage must be purchased. Coverage should include and be for the at least the minimum limits listed below:

- A. Bodily injury, sickness, disease, mental anguish or shock sustained by any person, including death; property damage including physical injury to or destruction of tangible property including the resulting loss of use thereof, cleanup costs, and the loss of use of tangible property that has not been physically injured or destroyed;
- B. Defense including costs, charges and expenses incurred in the investigation, adjustment or defense of claims for such compensation damages.
- C. Cost of Cleanup/Remediation.
- D. Limits
 1. Per Claim or Occurrence \$ 1,000,000
 2. General Aggregate \$ 1,000,000
- E. For acceptance of Pollution Legal/Environmental Legal Liability coverage included within another policy coverage required herein, a statement notifying the certificate holder must be included on the certificate of insurance and the total amount of said coverage per occurrence must be greater than or equal to the amount of Pollution Legal/Environmental Legal Liability and other coverage combined.

1.6. PROFESSIONAL LIABILITY (ERRORS AND OMISSIONS) INSURANCE

Minimum limits as follows. If "claims made" coverage is provided, "tail coverage" extending three (3) years beyond completion and acceptance of the project with proof of "tail coverage" to be submitted with the invoice for final payment. In lieu of "tail coverage", Proposer may submit annually to the County, for a three (3) year period, a current certificate of insurance providing "claims made" insurance with prior acts coverage in force with a retroactive date no later than commencement date of this contract.

- A. Limits
 1. Each Occurrence or Claim \$ 4,000,000
 2. General Aggregate \$ 4,000,000

B. For acceptance of Professional Liability coverage included within another policy required herein, a statement notifying the certificate holder must be included on the certificate of insurance and the total amount of said coverage per occurrence must be greater than or equal to the amount of Professional Liability and other coverage combined.

1.7. PROPERTY INSURANCE

Vendor will be responsible for all damage to its own property, equipment and/or materials.