

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

RFP TITLE: Pinellas Trail South Gap-Phase II

RFP CONTRACT NO. 22-0372-NC

COUNTY PID NO. 003883A

CONTINUING FIRM: Cumbey & Fair, Inc.

AGREEMENT

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SECTION 1 - INTENT OF AGREEMENT

AGREEMENT FOR PROFESSIONAL SERVICES FOR
PUBLIC WORKS DEPARTMENT

This Agreement entered into on the _____, 2023 by and 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 Cumbey & Fair, Inc., hereinafter referred to as the consultant.

WITNESSETH, that:

WHEREAS, Pinellas County, herein referred to as the County, requires services associated with support to develop plans and specifications and perform all other professional engineering services as may be required during the construction of 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:

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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:

All required permits shall be obtained by the engineering consultant. Plans shall be prepared in accordance with Civil 3D Pinellas County Requirements. Exhibit A, Scope of Services is attached.

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.

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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. 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 electronic deliverables are required unless otherwise requested.
4. The Consultant shall develop acceptable alternates to any and all design recommendations that may be declared unacceptable.

5. KEY PERSONNEL

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 Subcontractor 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) 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 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;

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- ii. unreasonably and solely withhold agreement regarding a timeline for resolution for more than 30 days following the Initial Meeting; or
- 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 by Pinellas County and subject Supplier to section 15 of this Agreement, "Indemnification."

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 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. 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 and change orders.

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5. 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.
6. Review, upon notice by the Contractor that work is ready for final inspection and acceptance.
7. Notify the County of any deficiencies found in follow-up reviews.
8. Evaluate testing results and make recommendations to the County.
9. 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.
10. 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.
11. Transmit certified as-built record drawings and general data, appropriately identified, to the County within 30 days following completion of construction.

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
 - 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.

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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

SECTION 4 - SERVICES TO BE FURNISHED BY THE COUNTY

1. GUIDANCE

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. Reproduces 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.

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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.

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.

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

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:

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; \$188,570.94 for the Task 1 – General Task Phase of the project.

A Lump Sum Fee of; \$341,850.40 for the Task 2 - Trail Analysis.

A Lump Sum Fee of; \$187,613.29 for the Task 3 –Drainage Analysis.

A Lump Sum Fee of; \$35,943.39 for the Task 4 –Utility Coordination Support.

A Lump Sum Fee of; \$39,538.22 for the Task 5 –Environmental Permitting

A Lump Sum Fee of; \$52,409.24 for the Task 6 –Traffic Analysis

A Lump Sum Fee of; \$14,977.39 for the Task 7 –Lighting Analysis (Seg 1 &2 only)

A Lump Sum Fee of; \$33,134.12 for the Task 8 - Wetland/Species Analysis

A Lump Sum Fee of; \$110,491.36 for the Task 9 - Structural Analysis

A Lump Sum Fee of; \$79,541.80 for the Task 10 - Geotechnical Investigations

A Lump Sum Fee of; \$2,300.00 for the Task 11 - Level 1 Contamination Screening

A Lump Sum Fee of; \$26,709.75 for the Task 12 - Landscaping Plans (Seg 3 only)

A Lump Sum Fee of; \$242,490.56 for the Task 13 - Contract Plans Preparation

A Lump Sum Fee of; \$34,358.01 for the Task 14 (OS) - Public Involvement Support

A Lump Sum Fee of; \$80,845.86 for the Task 15 (OS) - Post Design Support

The above fees shall constitute the total not to exceed amount of (\$1,355,570.46) 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, **(Optional Services (OS) tasks cannot be executed without prior authorization from the COUNTY'S Project Manager)** the County agrees to pay the Consultant as follows:

A Lump Sum Fee of: (\$115,203.87) for the Task 7.2 of the project

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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 (\$50,000.00) for all assignments performed.
4. Total agreement not-to-exceed amount (\$1,520,774.33).
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.

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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.
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 Proposal throughout the term of this contract. The contractor must provide a Certificate of Insurance in accordance with Insurance Requirements of the Request for Proposal, 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.

AGREEMENT

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. 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.

AGREEMENT

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 consecutive 36 calendar months 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.

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 - EXTENT OF 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.

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 contract, contact the Pinellas County Board of County Commissioners, Purchasing Department, Operations Manager custodian of public records at 727-464-3311, purchase@pinellascounty.org, Pinellas County Government, Purchasing Department, Operations Manager, 400 S. Ft. Harrison Ave, 6th Floor, Clearwater, FL 33756.

(Signature Page Follows)

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.

Firm Name CUMBEY & FAIR, INC.
By: *Timothy E. Bourne*
Print Name: Timothy E. Bourne
Title: President
Date: _____

PINELLAS COUNTY, by and through its Board of County Commissioners

By: _____
Chairman
Date: _____

ATTEST: Ken Burke, Clerk of the Circuit Court

By: _____
Deputy Clerk
Date: _____

APPROVED AS TO FORM

By: *Jacina Parson*
Office of the County Attorney

AGREEMENT

EXHIBIT A

Scope of Services

This Exhibit forms an integral part of the Additional Services Agreement between Pinellas County (hereinafter referred to as the COUNTY) and Selected Consultant (hereinafter referred to as the CONSULTANT) relative to the transportation facility described as follows:

I. PROJECT TITLE

Professional Engineering Services for a Phase II Segments 1, 2 and 3 of the Pinellas Trail Loop South Segment.

II. OBJECTIVE

On behalf of the Public Works Department, the Pinellas County Board of County Commissioners is seeking the services of a professional consulting engineering firm qualified to develop plans and specifications, cost estimates, and perform all other professional engineering services as may be required during the construction of a multi-modal trail primarily along the Duke Energy Easement from Ulmerton Road west of 58th Street North to Haines Bayshore Road east of U.S. Highway 19, Clearwater, Pinellas County, Florida. Since this is a Federally funded project, the engineering services provided for this project will need to meet all current National Environmental Policy Act (NEPA) requirements. Current NEPA requirements supersede and shall apply to the final agreement.

III. PROJECT DESCRIPTION

The purpose of this project is to construct a section of the Pinellas Trail within the South Loop beginning at Ulmerton Road west of 58th Street North. The trail will run approximately 3.2 miles to the north utilizing a portion of the Duke Energy Easement. This trial section will terminate and tie into the previously constructed trail section at Haines Bayshore Road east of U.S. Highway. The typical section includes a 12-foot asphalt paved trail with 2-foot unpaved level shoulders on either side. The trail width may transition to 8 feet in critical areas along Icot Boulevard and Ulmerton Road. The horizontal and vertical geometrics will utilize a design speed of 18 mph and follow the necessary guidelines and standards consistent with FDOT Florida Greenbook, AASHTO's Guide for the Development of Bicycle Facilities.

IV. SCOPE OF SERVICES

The COUNTY is seeking the professional services of an engineering consultant to design, prepare plans, acquire permits, and provide engineering services for the Pinellas Trail South Loop beginning from Ulmerton Road west of 58th Street North to Haines Bayshore Road east of U.S. Highway 19. The trail will run approximately 3.2 miles. The typical section includes a 12-foot asphalt paved trail with 2-foot unpaved level shoulders on either side.

The existing drainage system consists of an open drainage system with shallow swales, deep roadside ditches along the trail and piped ditches segments along 62nd Street North. It is anticipated that piping some of the ditches and replacement of pipes to convey the runoff water to the outfall. These activities will not require a Southwest Florida Water Management District (SWFWMD) Environmental Resource Permit (ERP) due to the proposed trail's additional drainage, pavement, and surface water impacts. An ERP permit exemption is anticipated.

Drainage improvements required to mitigate the flood plain impacts shall be designed following Pinellas County Ordinances and SWFWMD regulations for differing storm events (i.e., ten-year, etc.). Plans shall be prepared in accordance with Civil 3D Pinellas County Kit Requirements.

- a) Submittals at the 60% Design Phase and subsequent submittals:
 - Construction plans shall be submitted in PDF format and electronic files in Civil 3D format per Pinellas County CADD Standard Manual for Survey & Civil Engineering. All electronic project files shall be forwarded to the County on a CD.
- b) Required Deliverables
 - All geometric, roadway, drainage, traffic, and structural design plans are required to complete this project.
 - Construction plans in AutoCAD Civil 3D format using the 2017 Pinellas COUNTY CADD Kit. The plans shall be provided electronically, plus two (2) 11" x 17" paper prints.
 - Obtain all required approvals and identified permits from governmental jurisdictions and certification of the same utilizing the form provided by the COUNTY.

AGREEMENT

The Design services include:

1. General Tasks –
 - 1.1. Notification Letters
 - 1.3. Other Agency Meetings
 - 1.4. Contract Maintenance
 - 1.5. Project Manager Meetings
 - 1.6. Digital Delivery

2. Trail Analysis –
 - 2.1. Pavement Selection Report
 - 2.2. Horizontal/Vertical Master Design Files
 - 2.3. Cross-Section Design Files
 - 2.4. Temporary Traffic Control Analysis
 - 2.5. Tree Disposition Plan
 - 2.6. Design Report
 - 2.7. Quantities
 - 2.8. Cost Estimate
 - 2.9. Driveway harmonization
 - 2.10. 15% Line and Grade Submittal
 - 2.11. Field Review
 - 2.12. Technical Meetings

3. Drainage Analysis –
 - 3.1. Drainage Map Hydrology
 - 3.2. Base Clearance Analysis
 - 3.3. Design of Cross Drains
 - 3.4. Design of Ditch/Swales
 - 3.5. Design of Floodplain Compensation
 - 3.6. Design of Storm Drain
 - 3.7. Drainage Design Report
 - 3.8. Existing Permit Analysis
 - 3.9 Other Drainage Analysis (FDOT Drainage Connection) (Seg 1 and 2 only)
 - 3.10. Field Reviews
 - 3.11. Technical Meetings

4. Utility Coordination Support –
 - 4.1. Preliminary Utility Meeting
 - 4.2. Individual/Field Meetings
 - 4.3. Collect and Review Plans and Data from UAOs(s)
 - 4.4. Review Utility Markups, Work Schedules, Processing of Schedules and Agreements
 - 4.6. Utility Constructability Review
 - 4.7. Certification/Close-out

5. Environmental Permitting –
 - 5.1 Preliminary Project Research
 - 5.2 SWFWMD Permit Applications
 - 5.3 Dredge and fill sketches
 - 5.4 Other Environmental Permits
 - 5.5 Technical Meetings

6. Traffic Analysis
 - 6.1. System Timings
 - 6.2 Reference and Master Signalization Design Files
 - 6.3 Signal, Signing and Pavement Marking Design File
 - 6.4. Sign Panel Design Analysis
 - 6.5 Field Review

AGREEMENT

7. Lighting Analysis (Segment 1 and 2 only)
 - 7.1 Lighting Design Analysis Report (LDAR)
 - 7.2 Reference and Master Design Files
 - 7.3 Field Reviews
 - 7.4 Technical Meetings

8. Environmental Permitting (Wetland/Species Analysis)
 - 8.1. Preliminary Project Research
 - 8.2. Establish Wetland lines and assessments Field Review.
 - 8.3 Species Surveys Field Review

 - 8.4. Agency Verification of wetland data Field Review
 - 8.5. Complete and submit all required wetland permit applications.

9. Structures Analysis (Segment 1 and 2 only)
 - 9.1 Retaining walls
 - 9.2 Light Pole Foundations
 - 9.3 Multi-Post Foundation
 - 9.4 Box Culverts
 - 9.5 Signal Foundations Design

10. Geotechnical Investigation
 - 10.1. Geotechnical Investigation

- 11: Level 1 Contamination Screening

12. Landscape analysis (Segment 3 only)
 - 12.1 Site Inventory and Analysis for Proposed Landscape
 - 12.2 Conceptual Design
 - 12.3 Final Design

13. Design Plans
 - 13.1. Roadway Plans
 - 13.2. Drainage Plans
 - 13.3. Signing & Pavement Marking Plans
 - 13.4. Lighting Plans
 - 13.5 Landscaping Plans

14. Public Involvement (Optional Services)
 - 14.1 Public Meeting

15. Post Design Services (Optional Services)
 - 15.1 Engineer of Record Project Meetings
 - 15.2 Post Design Services
 - 15.3 Plan Revisions

Task 1: General Tasks

Notification Letters: In addition to public involvement data collection, the CONSULTANT shall prepare notifications, flyers, and letters to elected officials and other public officials, private property owners, and tenants at intervals during plans production as identified by the COUNTY. The COUNTY shall review all letters and notices to ensure that they are addressed to the correct and current public officials. The COUNTY shall mail and/or transmit all communications.

Other Agency Meetings: In addition to scheduled public meetings, the CONSULTANT may be required to participate in discussions with the local governing authorities and FDOT. The CONSULTANT's participation may include, but not be limited to, presentations during the meeting, note-taking, and summarizing the meeting in a memo to the file. It is estimated for this project that there will be three meetings with local governing authorities and the FDOT during the design.

AGREEMENT

Contract Maintenance: Includes project management efforts for complete setup and maintenance of files, electronic folders, and documents, developing technical monthly progress reports and schedules. The schedule is anticipated to be a total of twenty-four (24) months.

Project Meetings: The Consultant shall provide meeting summaries for review and approval to the COUNTY. In addition, the following estimated meetings will be required for the following activities:

- a. One (1) Kick-off Meeting (shortly after NTP)
- b. One (1) 15% Line and Grade Phase Review Meeting (30 days after submittal)
- c. One (1) 60% Phase Review Meeting (30 days after submittal)
- d. Two (2) Floodplain Meetings
- e. Two (2) other Technical/Coordination Meeting
- f. One (1) Forward Pinellas Meeting
- g. One (1) Forward Pinellas Board Meeting
- h. One (1) Board of County Commissioners Meeting
- i. Two (2) Duke Energy Coordination Meetings
- j. Six (6) Utility Design Meetings (Two per Zone)
- k. Three (3) Coordination Meetings with FDOT, District 7

A total of twenty-one (21) meetings will be anticipated with the COUNTY for this project. A total of 24 months is expected for design. The meetings above do not include Neighborhood Information Meetings or Environmental Agency Meetings.

Digital Delivery: The CONSULTANT shall deliver final contract plans and documents in digital format. The final contract plans, and records shall be digitally signed, and sealed files provided to the COUNTY on acceptable electronic media, as determined by the

Task 2: Trail Analysis

Pavement Selection Report: The CONSULTANT shall evaluate the different green pavement design options and all necessary coordination to resolve issues related to pavement design when provided to the COUNTY. Initial setup includes collecting all data required for the entire project limits. A final pavement selection memo shall be generated and placed in the file. The memo is to be included with 15% Line and Grade submittal.

Horizontal/Vertical Master Design Files: The CONSULTANT shall design the geometrics using the design standards that give proper consideration to the adjacent land use, design consistency and driver expectancy, aesthetics, pedestrian and bicycle concerns, ADA requirements, elder road user policy, and scope of work. At a minimum, the Florida Greenbook Standards shall be met outside of FDOT Right-of-Way. This includes all work to create elements showing the alignment for both horizontal and vertical geometries in the plan and profile portion of plan sheets. This includes efforts required to place labels and required information following the COUNTY'S CADD manual in the master design file.

Cross-Section Design Files: The CONSULTANT shall establish and develop cross-section design files following the COUNTY Auto CAD Civil 3D manual. Cross-sections are to be cut every 50 ft. for earthwork except within the Duke Energy Easement. Cross Sections within the Duke Energy Easement are to be every 100 ft. unless field conditions require otherwise. Half-sections are to be cut at each driveway. Driveway tie-in slopes are not to exceed 10%. Coordination with the COUNTY will be required for sections that cannot tie down within the existing right-of-way.

Traffic Control Analysis: The CONSULTANT shall design a safe and effective Traffic Control Plan to move vehicular and pedestrian traffic during all construction phases. The design shall include construction phasing of roadways ingress and egress to existing property owners and businesses, routing, signing and pavement markings, and detour quantity tabulations. Special consideration shall be given to the construction of the drainage system when developing the construction phases. Positive drainage shall be maintained at all times.

Tree Disposition Plan: The CONSULTANT shall include a plan outlining the requirements for the removal, relocation and protecting trees located within the project boundaries. The disposition of the tree will be included on a selected clearing and grubbing plan.

Design Report: The CONSULTANT shall develop project-specific design criteria which shall be included in the design report. The CONSULTANT shall evaluate the approved trail geometrics approved by the COUNTY (Line and Grade) to estimate design and construction needs based on initial observations. The CONSULTANT shall recommend to the COUNTY, correcting any deficiencies or obtaining the appropriate design variations or exceptions.

AGREEMENT

The CONSULTANT shall submit to the COUNTY design notes, data, and calculations to document the design conclusions reached during the development of the contract plans.

The design notes, data, and computations shall be recorded on size 8-1/2" X 11" sheets, fully titled, numbered, dated, indexed, and signed by the designer and the checker. Computer output forms and other oversized sheets shall be folded to 8-1/2" X 11" size. The data shall be in a hardback folder for submittal to the COUNTY.

Engineer's Estimate: The CONSULTANT shall prepare an estimate of probable construction costs for the design. The CONSULTANT shall utilize existing cost data available from the COUNTY and FDOT Construction Contract History as applicable.

Quantities: The CONSULTANT shall prepare bid quantities that include all bid items, which comprise the project design. Bid items shall consist of a reference to applicable COUNTY & FDOT Measurement and Payment items. Bid proposal sheets to be included in the contract documents shall be prepared by the COUNTY based on the CONSULTANT'S quantities.

Preliminary bid quantities shall be submitted with the conceptual and 60% design review submittals. Final bid quantities shall be submitted with the 100% design review submittal. A preliminary opinion of probable construction costs shall be submitted with the 60% design review submittal. Final construction cost's opinion based on the final bid quantities shall be submitted with the 100% design review submittal. Construction costs are based on the most current prices obtained from the FDOT Construction Contract History and confirmed by the COUNTY.

Driveway Harmonization: The CONSULTANT shall develop half sections at the modified driveways so that the driveway connection can meet FDOT Design Standards and tie into the existing right-of-way. There are approximately eight driveways, that will be reworked to accommodate the trail.

15% Line and Grade: The CONSULTANT shall develop and provide to the COUNTY a "15%" line and grade submittal for review and approval before proceeding with a 60% design and plans. The submittal shall include a continuous roll of plan and profile views. The horizontal alignment or plan portion shall include as a minimum: typical section, entire mainline baseline and or centerline of construction with the proposed trails, existing topography, drainage and flow direction arrows, existing and proposed right-of-way limits; begin and end transitions, begin and end project limits, geometric parameters and preliminary drainage calculations for any modifications to existing conveyance ditches. The plan scale should be 1" =100' for rural facilities. The vertical alignment or profile grade shall also be plotted on this roll in the profile portion (lower half of sheet). The proposed profile shall indicate respective geometric controls such as length of vertical curves, vertical points of intersections, and percent grades. The existing ground line shall also be shown as a reference in the profile portion. The profile stationing shall depict formats with beginning and ending stations with intermediate tick marks matched with the plan portion along the alignment or as close as possible in curved alignments. Profile scale should be the same as horizontal but 10% of the horizontal assigned for vertical. (e.g. Plan 1" =100'; Profile 1" = 100' Horizontal and 1" = 10' Vertical). The profile portion shall also indicate drainage basin(s) delimited by station call-outs just above the profile. Cross drain(s) and or Design High Water(s) shall be shown in the profile portion as well. The submittal shall also include a summary of design criteria used to establish the horizontal and vertical alignments. Examples of such parameters include but are not limited to intersection sight distance, design speed; design vehicle; stopping sight distance; decision sight distance; length of horizontal and vertical curves, etc. Any anticipated design variations and design exceptions should also be listed.

Roadway Field Reviews& Technical Meetings: The CONSULTANT shall conduct one (1) site review and one (1) technical meeting before the 60% plans submittal and conduct one (1) site review and one (1) technical meeting before 100% plans submittal. These reviews will be coordinated with the COUNTY PM and may invite COUNTY field staff.

Task 3: Drainage Analysis

Drainage Map Hydrology: The CONSULTANT shall create a (pre-and post-condition) working drainage basin map to define the system hydrology. This map shall incorporate drainage basin boundaries, existing surveys, and LiDAR and field observations, as necessary, to determine the system. Basin delineations shall also logically include any current collection systems to aid in developing the hydraulic model. Include coordination hours needed to convey drainage hydrologic features onto produced drainage maps.

AGREEMENT

Base Clearance Analysis: The CONSULTANT shall analyze, determine, and document high water elevations per basin, which will be used to set roadway profile grade and roadway materials. Determine surface water elevations at cross drains, floodplains, outfalls, and adjacent stormwater ponds. Determine groundwater elevations at intervals between the above-mentioned surface waters.

Design of Cross Drains: The CONSULTANT shall analyze the hydraulic design and performance of cross drains. Check existing cross drains to determine if they are structurally sound and can be extended. Document the design as required. Determine and provide flood data as needed.

Design of Ditches/Swales: The CONSULTANT shall design trail conveyance and outfall ditches. This task includes capacity calculations, longitudinal grade adjustments, flow changes, additional adjustments for ditch convergences, suitable channel lining, side drainpipes, and documentation.

Design of Floodplain Compensation: The CONSULTANT shall determine floodplain encroachments, coordinate with Pinellas County, and develop the proposed compensation area layout (shape, contours, slopes, volumes, etc.). Document the design following the requirements of the regulatory agency.

Design of Storm Drains: The CONSULTANT shall delineate contributing drainage areas, determine runoff and inlet locations. Calculate hydraulic losses (friction, utility conflict, and, if necessary, minor losses). Determine design tailwater and, if necessary, outlet scour protection.

Optional Culvert Material: The CONSULTANT will determine acceptable options for pipe materials using the Culvert Service Life Estimator.

Drainage Design Documentation Report: The CONSULTANT shall compile drainage design documentation into report format. Include documentation for all the drainage design tasks listed below and associated meetings and decisions. The drainage analysis is the preparation of working drainage to identify the drainage areas that drain to the impacted inlets to size any new inlets and storm sewer pipes required. Calculations for any new inlets and storm sewer pipes shall be performed to the extent these facilities and be included in the Drainage Design Documentation report. In locations where proposed curbing is to be added in conjunction with the added trail, the spread of flow calculations shall be provided following the COUNTY Stormwater requirements described in the Code of Ordinances.

The drainage design shall have the following features: FDOT Drainage Connection permit, SWFWMD and USACE. The design shall meet the COUNTY and any other regulatory agencies with jurisdiction over the project; are cost-effective; do not create adverse flooding problems impacts upstream or downstream; provide for system users' safety and are consistent with work being performed by other municipalities' regulatory agencies and private developments in the area. The CONSULTANT shall be responsible for determining and coordinating with projects or work being performed in the area.

Existing Permit Analysis Data: The CONSULTANT will gather information such as desktop analysis of SWFWMD permit, state and federal drainage permits.

Other Drainage Analysis (FDOT Drainage Connection Permit): The CONSULTANT will include all efforts for a drainage task needed to obtain an FDOT Connection Permit for proposed trail work along Ulmerton Road.

Drainage Field Reviews & Technical Meetings: The CONSULTANT shall conduct two (2) drainage field reviews and attend two (2) Technical meeting reviews (1 before 60%, 1 before 100%) regarding drainage. These reviews will be coordinated with the COUNTY PM and may invite COUNTY stormwater engineering and operation staff.

Task 4: Utility Coordination Support

Utility Coordination - 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.

AGREEMENT

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 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 should 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.

Certification for FDOT LAP Agreement Projects - The COUNTY will certify the following:

All utility negotiations (full exception of each agreement, technical special provisions, etc.) have been completed with arrangements made for utility work to be undertaken and completed as required for proper coordination with the physical construction schedule.

OR

An on-site inspection was made, and no utility relocation work should be involved.

OR

Plans were sent to the UAOs, and no relocations/adjustments are required.

Task 5: Environmental 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 satisfy those 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.

AGREEMENT

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 the Environmental Resource Permit and Section 404 permit applications and obtain the 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 COUNTY will serve as the "permit clearinghouse," submitting applications online to the appropriate agencies.

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.

The CONSULTANT shall coordinate with 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.

Coordinate and Review Dredge and Fill Sketches: The CONSULTANT shall review Dredge and Fill Detail sheets 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 will 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 COUNTY Permit Coordinator to schedule pre-application meetings with applicable permitting agencies to identify specific permitting requirements for the project. The CONSULTANT shall 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.

Task 6: Traffic Analysis

The CONSULTANT shall analyze and document Signing and Pavement Markings, and Pedestrian Signals, following all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

Reference and Master Design File: The CONSULTANT shall prepare the Signing & Pavement 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.

Signing Field Reviews: The CONSULTANT shall conduct one (1) site review before the 60% plans submittal and conduct one (1) additional site review before 100% plan submittal. These reviews will be coordinated with the COUNTY PM and may invite COUNTY field staff.

Traffic Data Analysis: The CONSULTANT shall determine signal operation plan, intersection geometry, local signal timings, pre-emption phasing & timings, forecasting traffic, and intersection analysis run.

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

AGREEMENT

Signal 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 Signal and Pedestrian Phasing
- Controller Make, Model, Capabilities and Condition/Age
- Condition of Signal Structure(s)
- Type of Detection as Compared with Current DEPARTMENT Standards
- Interconnect Media
- Controller Timing Data

Quantities: The CONSULTANT shall provide quantity take-off for the project at 60% Plans, 100% Plans, and Final Plans for the entire project's signing and pavement marking component.

The deliverable construction plans shall be designed and drafted utilizing AutoCAD Civil 3D format. The plans shall be provided electronically, plus two (2) paper prints signed and sealed by a Professional Engineer certified in the State of Florida. All technical specifications are required for the construction of the project.

Task 7: Lighting Analysis

Lighting Design Analysis Report: The CONSULTANT shall review a Preliminary Lighting Design Analysis Report. The report shall be submitted under a separate cover with the Phase II plans submittal. The report shall provide analyses for each midblock and signalized intersection lighting design. Each lighting calculation shall be properly identified as to the area that it covers.

The report shall also include the lighting calculations for each lighted sign where lighted signs are applicable to the Project.

The COUNTY shall submit a report to FDOT for approval. The Lighting Design Analysis Report shall include, yet not be limited to:

- Voltage drop calculations
- Load analysis calculations for each branch circuit
- Arc Flash Hazard analysis
- Short Circuit analysis and Device Coordination
- Luminaire Data
- Photometric Data
- Photometric analysis
- Project coordination correspondence (i.e., utility, FAA, etc.)

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

Lighting 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

Task 8: Wetland/Species Analysis

The CONSULTANT shall prepare a document to establish wetland jurisdictional lines and assessments and species surveys included in the trail plans.

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.

AGREEMENT

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 prepared by a registered professional surveyor and mapper. All surveyed jurisdictional boundaries are to be tied to the project's baseline of survey.
- 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.

Species Surveys: 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. 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.

Task 9: Structural Analysis

Structures Analysis: The CONSULTANT shall prepare a set of Structures plans to be included in the trail plans. These include the following:

Perform a field review.

- Design one (1) light pole spread footing foundation and prepare plans.
- Design one (1) multi-post sign structure.
- Design two (2) concrete retaining walls and prepare plans.
- Prepare plans for relocated PSTA bus pads.
- Design two (2) box culverts and prepare plans.
- Design one (1) signal foundation and prepare plans.

Task 10: Geotechnical Investigation

The CONSULTANT shall be responsible for a limited geotechnical investigation. All work performed by the CONSULTANT shall be following COUNTY standards or as otherwise directed. Geotechnical services will support the design of the proposed improvements and will consist of the following:

- Perform a site reconnaissance.
- Coordinate boring locations with utility providers and CONSULTANT.
- Perform Standard Penetration Test (SPT) borings to a maximum depth of 40 feet or into 10 feet of refusal (50 blows per 12 inches of penetration) subsoil conditions.
- Perform a series of hand augers along existing open ditches to determine the existing subsurface conditions in these areas. We propose hand drills to a depth of approximately 6 feet below ground surface in these areas or to borehole collapse due to encountered groundwater. We anticipate performing these hand augers as close as possible to the bottom of the ditch; however, the final location will depend on the depth of any existing water in the ditch when our work is performed.
- Obtain soil samples and provide corrosion parameter testing in areas of proposed storm drainpipes.

AGREEMENT

Task 11: Level 1 Contamination Screening

Environmental Services: These services provided by the CONSULTANT will support the design of the proposed improvements and will consist of the following:

- Environmental Services will include performing a Level I Contamination Screening Evaluation Report for the project corridor described in Part 2, Chapter 22 of the FDOT PD&E manual. If required, Level II services will be identified, and a detailed cost for such services will be prepared before performing the work.

Task 12: Landscaping Plans (Seg 3 only)

Site Inventory and Analysis for Proposed Landscape: The field inventory will document the location of all above ground observable elements including existing vegetation, utilities, signage ITS, lighting, and drainage areas. Existing vegetation (trees and shrubs) will be identified by boundary.

Includes identification of opportunities and constraints for the proposed landscape project based on existing site conditions. Opportunities and constraints will consider potential view sheds, desirable and undesirable views, slope erosion, physical elements, environmental conditions, sun/shade, and locations for enhanced landscaping. Summary of analysis in a graphic and written format, will be included in task 25.3 conceptual design.

The scope of this task will also include borings and percolation tests necessary to support the landscape design. The CONSULTANT will perform a horticultural analysis of the existing soils within the anticipated landscape planting areas. The results of this analysis will form the basis of any specifications or notes needed on the plans to assure maximum planting performance.

The Site Inventory and Analysis Plan will be produced in a roll plot format at 1" =100' scale, maximum. Should this format not convey design intent that is clearly legible, an alternate format may be considered with the County approval.

Conceptual Planting Design: The CONSULTANT will prepare a concept level landscape design in roll plot format addressing the issues identified in the site inventory and site analysis. Includes delineation of all proposed planting types, scheme development and preliminary costs and reports. The design shall be submitted with the Phase II plans. The concept landscape design will not be subject to full Electronic Review Comments (ERC) review. Review will be limited to the DLA and select design personnel, as required.

Final Planting Design: Includes identifying the species/type, size, location, spacing, quantity and quality of all new plant materials. Phase III will include all work in master design file. Phase III will include 90% level design plans and cost estimates. Final Plans (Phase IV Submittal) Signed and Sealed final documents including final cost estimate.

Task 13: Contract Plans Preparation

Contract Plans: The CONSULTANT shall prepare all required trail construction plans within the project limits. These plans shall be following the FDOT Design Manual and COUNTY CADD Civil 3D standards that include the following (Scale; 1" =40' (H) & 1" =4'):

- Key Sheet
- Drainage Maps
- Typical Sections
- Typical Section Details
- Summary of Drainage Structures
- General Notes
- Plan /Profile
- Special Profile Sheets
- Special Details
- Drainage Structures
- Retention/Detention Ponds Detail Sheets
- Roadway Soil Survey
- Cross Sections
- Tree Disposition Plan Table and schedule
- Stormwater Pollution Prevention Plan
- Erosion Control Plans

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- Temporary Traffic Control Plans
- Selective Clearing and Grubbing Sheets
- Retaining Wall Detail Sheet
- Retaining Wall Drawings
- Concrete Box Culvert Detail Sheet
- Mast Arm Special Detail Sheet
- Signal Plans Sheets
- Special Detail Sheet
- ITS Plan Detail Sheet
- Pole Data, Legend, and Criteria
- Services Point Details
- Lighting Plans
- Summary of Quantities

Task 14 OPTIONAL SERVICES PUBLIC INVOLVEMENT SUPPORT

Public Meeting Preparations: Includes coordination and preparation of a roll plot with a design overlay to be created for a public open house meeting. A Frequently Asked Questions (FAQ) handout will be made and used at the open house. Other activities may include coordination and review of materials such as meeting notification mailing (assemble and mail); newspaper display ad; meeting exhibits; sign-in sheet; comment form; flyer preparation; fact sheet; site selection and development of meeting layout.

Public Meeting Attendance/Follow-up: Task includes setup, attendance at the general meeting, and preparation of a meeting summary. The summary scrapbook consists of a copy of all slides, boards, handouts, completed sign-in sheets, and completed comment forms. At least two participants will be required at meetings.

Task 15 OPTIONAL SERVICES POST DESIGN SUPPORT

The CONSULTANT shall provide the COUNTY qualified representation during the construction phase to deal with the intent and interpretation of the construction contract plans and documents should change conditions be encountered in the field. When requested by the COUNTY, the CONSULTANT shall respond in a timely manner with suitable engineering solutions that take into account the changed conditions.

The on-site appearance of the CONSULTANT shall be made during construction at the written request of the COUNTY or its designated representative. In addition, from time to time during construction, the CONSULTANT may be requested by the COUNTY or its designated representative to review contractor proposed field changes or to respond with a recommended solution to remedy particular field situations not covered by the plans and specifications.

IV. COMPENSATION:

The CONSULTANT shall provide the above outlined Basic Services for the following fixed fee or estimate amounts.

Task 1	General Task	Lump Sum	\$ 188,570.94
Task 2	Trail Analysis	Lump Sum	\$ 341,850.40
Task 3	Drainage Analysis	Lump Sum	\$ 187,613.29
Task 4	Utility Coordination Support	Lump Sum	\$ 35,943.39
Task 5	Environmental Permitting	Lump Sum	\$ 39,538.22
Task 6	Traffic Analysis	Lump Sum	\$ 52,409.24
Task 7	Lighting Analysis (Seg 1 & 2 only)	Lump Sum	\$ 14,977.39
Task 8	Wetland/Species Analysis	Lump Sum	\$ 33,134.12
Task 9	Structural Analysis	Lump Sum	\$ 110,491.36
Task 10	Geotechnical Investigations	Lump Sum	\$ 79,541.80
Task 11	Level 1 Contamination Screening	Lump Sum	\$ 2,300.00
Task 12	Landscaping Plans (Seg 3 only)	Lump Sum	\$ 26,709.75
Task 13	Contract Plans Preparation	Lump Sum	\$ 242,490.56
		Sub-Total	\$ 1,355,570.46

AGREEMENT

Task 14 (OS)	Public Involvement Support	*Lump Sum	\$ 34,358.01
Task 15 (OS)	Post Design support	*T&M	\$ 80,845.86
	Contingency	*Not to Exceed	\$ 50,000.00
		Grand-Total	\$1,520,774.33

*** Optional Services (OS) tasks cannot be executed without prior authorization from the COUNTY'S Project Manager.**

VI. SCHEDULE

The conceptual plan and preliminary design and construction cost opinion shall be provided to the COUNTY within three weeks from notice to proceed. The proposed schedule will incorporate the phase submittal milestones of the FDOT LAP design schedule. The CONSULTANT shall also provide a Microsoft Project Schedule with updates to be included with each monthly invoice submittal.

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

PROJECT SCHEDULE

<u>Milestone</u>	<u>Due Date After receiving the NTP & Survey</u>
15% Line and Grade Meeting review	60 Calendar Days
60% Complete Plans Submittal 30-day review	120 Calendar Days (After JD Survey)
100% Complete Plans Submittal 30-day review	220 Calendar Days
Final Plans Submittal	290 Calendar Days

COUNTY design review period is thirty calendar days from the date of each milestone submittal. The CONSULTANT shall also respond to FDOT ERC comments for the various required submittals. Any other delays beyond CONSULTANT control shall be documented in writing by CONSULTANT and submitted to COUNTY to grant a schedule time extension.

Trail Plans design reviews shall occur at the conceptual (line and grade) 60% Phase, 100% Phase, and Final phase. The CONSULTANT shall submit a draft of the special conditions with the 60% design review submittal and final versions at the 100% design review submittal. Bid quantities and opinion of probable construction cost shall be submitted. The requirements for each design review shall be as specified in the COUNTY "Checklists for Design Review Submittals."

CONSULTANT shall continue its design work during the review periods. CONSULTANT shall respond to the COUNTY design review comments in writing and make corresponding revisions to the plans. Written responses and plan revisions are to be included with the following design review submittal. CONSULTANT shall respond to regulatory agency's review comments in the same manner. Design revisions are to be completed by CONSULTANT at no additional time and cost unless the modifications result from COUNTY making changes to the horizontal or vertical alignment or other changes or similar impact to the project design. In such cases, the COUNTY shall evaluate the CONSULTANT request for additional time and compensation. COUNTY may require 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 " Checklist for Review Submittals." No additional time shall be allotted to the CONSULTANT schedule if a resubmittal is required.

VII. INVOICES & PROGRESS REPORTS

Invoicing shall take place monthly and include a progress report summarizing the work completed during the invoice period and a schedule update. The CONSULTANT shall pre-submit invoices to the Project Manager before 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.

Exhibit B

TASK	SEGMENT 1	SEGMENT 2	SEGMENT 3	TOTAL COST
Task 1: General Task	\$ 60,776.80	\$ 63,897.07	\$ 63,897.07	\$ 188,570.94
Task 2: Trail Analysis	\$ 109,857.89	\$ 138,250.17	\$ 93,742.34	\$ 341,850.40
Task 3: Drainage Analysis	\$ 56,863.77	\$ 70,844.21	\$ 59,905.31	\$ 187,613.29
Task 4: Utility Coordination Support	\$ 11,810.13	\$ 12,066.63	\$ 12,066.63	\$ 35,943.39
Task 5: Environmental Permitting	\$ 12,985.97	\$ 13,118.50	\$ 13,433.75	\$ 39,538.22
Task 6: Traffic Analysis	\$ 8,649.45	\$ 34,377.12	\$ 9,382.67	\$ 52,409.24
Task 7: Lighting Analysis (Seg 1 & 2 only)	\$ 7,305.40	\$ 7,671.99		\$ 14,977.39
Task 8: Wetland/Species Analysis	\$ 11,044.56	\$ 11,044.56	\$ 11,045.00	\$ 33,134.12
Task 9: Structural Analysis	\$ 59,947.06	\$ 50,544.30		\$ 110,491.36
Task 10: Geotechnical Investigations	\$ 30,682.26	\$ 32,559.13	\$ 16,300.41	\$ 79,541.80
Task 11: Level 1 Contamination Screening	\$ 767.00	\$ 767.00	\$ 766.00	\$ 2,300.00
Task 12: Landscaping Plans (Seg 3 only)			\$ 26,709.75	\$ 26,709.75
Task 13: Contract Plans Preparation	\$ 86,777.26	\$ 105,427.03	\$ 50,286.27	\$ 242,490.56
				\$ 1,355,570.46
Task 14: Public Involvement Support	\$ 11,440.43	\$ 11,425.54	\$ 11,492.04	\$ 34,358.01
Task 15: Post Design	\$ 21,304.26	\$ 29,770.80	\$ 29,770.80	\$ 80,845.86
Contingency				\$ 50,000.00
GRAND TOTAL =				\$ 1,520,774.33

Trail Plans	\$ 48,347.34	\$ 62,812.88	\$ 31,641.29	
Drainage Plans	\$ 26,729.60	\$ 26,471.21	\$ 16,537.39	
Traffic Plans	\$ 2,390.65	\$ 6,209.12	\$ 2,107.59	
Lightning Plans	\$ 9,309.67	\$ 9,933.82		
Total	\$ 86,777.26	\$ 105,427.03	\$ 50,286.27	

Fee Sheet - Prime

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: H.W. Lochner, Inc.
 Consultant No.:
 Date: 11/9/2022
 Estimator: Lochner

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager	Chief Engineer	Senior Engineer	Engineer 2	Engineer 1	Engineering Intern	Chief Scientist	Environmental Specialist					SH	Salary	Average
														By Activity	Cost By Activity	Rate Per Task
		\$268.30	\$255.75	\$223.91	\$175.99	\$155.92	\$107.06	\$225.00	\$99.84							
General Tasks	275	138	28	28	14	14	53	0	0	0	0	0	0	275	\$60,777	\$221.01
Trail Analysis	618	124	31	62	62	155	184	0	0	0	0	0	0	618	\$109,858	\$177.76
Trail Plans	294	30	15	30	29	88	102	0	0	0	0	0	0	294	\$48,347	\$164.45
Drainage Analysis	334	0	17	100	100	0	117	0	0	0	0	0	0	334	\$56,864	\$170.25
Drainage Plans	157	0	8	47	47	0	55	0	0	0	0	0	0	157	\$26,730	\$170.25
Utilities	60	21	3	6	6	9	15	0	0	0	0	0	0	60	\$11,810	\$196.84
Traffic Analysis	50	0	5	13	15	0	17	0	0	0	0	0	0	50	\$8,649	\$172.99
Traffic Plans	14	0	1	4	4	0	5	0	0	0	0	0	0	14	\$2,391	\$170.76
Environmental Permitting (Wetland/Species Analy)	68	0	0	0	0	0	0	34	34	0	0	0	0	68	\$11,045	\$162.42
Structural Analysis	354	0	35	71	124	0	124	0	0	0	0	0	0	354	\$59,947	\$169.34
Optional Service Public Involvement Support	52	26	5	5	3	3	10	0	0	0	0	0	0	52	\$11,440	\$220.01
Optional Service Post Design	120	24	6	12	12	30	36	0	0	0	0	0	0	120	\$21,304	\$177.54
Total Staff Hours	2,396	363	154	378	416	299	718	34	34	0	0	0	0	2,396		
Total Staff Cost		\$97,392.90	\$39,385.50	\$84,637.98	\$73,211.84	\$46,620.08	\$76,869.08	\$7,650.00	\$3,394.56	\$0.00	\$0.00	\$0.00	\$0.00		\$429,161.94	\$179.12

Survey Field Days by Subconsultant
 4 - Person Crew:

				Check = \$429,161.94
SUB TOTAL:				w/o Optional Services \$396,417.25
SUBTOTAL ESTIMATED FEE:				\$396,417.25
Subconsultant: C&F Inc.				\$29,601.04
Subconsultant: Test Lab, Inc.				\$30,682.26
Subconsultant: Universal Engineering Sciences				\$767.00
Subconsultant:				\$0.00
SUBTOTAL ESTIMATED FEE:				\$457,467.55
Survey (Field)	0	3-person crew days @	\$ - / day	\$0.00
SUBTOTAL ESTIMATED FEE:				\$457,467.55
Optional Services Public Involvement				\$11,440.43
Optional Post Design				\$21,304.26
GRAND TOTAL ESTIMATED FEE:				\$490,212.24

Fee Sheet - C&F

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: Cumbey & Fair, Inc.
 Consultant No.: enter consultants proj. number
 Date: 11/9/2022
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager 3	Chief Engineer 2	Senior Engineer 2	Senior Engineer 1	Chief Designer	Senior Designer	Secretary/Clerical	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$265.64	\$332.14	\$182.14	\$133.11	\$154.45	\$120.00	\$107.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Environmental Permitting	70	3	7	42	11	0	0	7	0	0	0	0	0	70	\$12,986	\$185.51
Lighting Analysis	41	8	2	6	6	10	9	0	0	0	0	0	0	41	\$7,305	\$178.18
Lighting Plans	63	3	0	6	6	25	23	0	0	0	0	0	0	63	\$9,310	\$147.77
Total Staff Hours	174	14	9	54	23	35	32	7	0	0	0	0	0	174		
Total Staff Cost		\$3,718.96	\$2,989.26	\$9,835.56	\$3,061.53	\$5,405.75	\$3,840.00	\$749.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$29,601.04	\$170.12

Notes:

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

Check =				\$29,601.04
SALARY RELATED COSTS:				\$29,601.04
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
SUBTOTAL ESTIMATED FEE:				\$29,601.04
Survey (Field)	0	4-person crew	\$ - / day	\$0.00
Geotechnical Field and Lab Testing				\$0.00
SUBTOTAL ESTIMATED FEE:				\$29,601.04
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$29,601.04

Fee Sheet - Test Lab

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: Test Lab, Inc.
 Consultant No.: enter consultants proj. number
 Date: 11/9/2022
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary Firm"	MAT Engineer Intern Home	MAT Engineering Technician Home	MAT GIS Specialist Home	MAT Project Manager Home	MAT Secretary/Clerical Home	MAT Senior Engineer Home	MAT Senior Engineering Technician Home	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH	Salary	Average
		By Activity	Cost By Activity	Rate Per Task												
35. Geotechnical	171	34	26	21	26	4	34	26	0	0	0	0	0	171	\$15,692	\$91.77
Total Staff Hours	171	34	26	21	26	4	34	26	0	0	0	0	0	171		
Total Staff Cost		\$2,623.78	\$1,926.34	\$1,270.50	\$2,469.48	\$177.80	\$5,298.22	\$1,926.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$15,692.46	\$91.77

Check = \$15,692.46

SALARY RELATED COSTS:			\$15,692.46
OVERHEAD:		0%	\$0.00
OPERATING MARGIN:		0%	\$0.00
FCCM (Facilities Capital Cost Money):		0.00%	\$0.00
EXPENSES:		0.00%	\$0.00
SUBTOTAL ESTIMATED FEE:			\$15,692.46
Survey (Field)	0	4-person crew	\$ - / day
Geotechnical Field and Lab Testing			\$14,989.80
SUBTOTAL ESTIMATED FEE:			\$30,682.26
Optional Services			\$0.00
GRAND TOTAL ESTIMATED FEE:			\$30,682.26

Notes:

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



GEOTECHNICAL & MATERIALS
ENGINEERING, TESTING & INSPECTION

Published Fee Schedule

Standard Items and Item Descriptions for Geotechnical and Materials firms

Item #	Item Description	Unit	Cost Per Unit	# of Units	Cost
Drilling and Field Testing					
401	Geo Auger Borings-H& & Truck/Mud Bug	LF	\$10.80	102	\$1,101.60
418	Geo Drill Crew Support Vehicle	Day	\$176.00	5	\$880.00
432	Geo Field Permeability 0-10 Ft Open-End Boreho	Each	\$350.00	4	\$1,400.00
440	Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	LF	\$6.00	195	\$1,170.00
478	Geo SPT Truck/Mud Bug 0-50 Ft	LF	\$14.60	195	\$2,847.00
488	Geo Temp Casing 3in Truck/Mud Bug 0-50 Ft	LF	\$9.39	80	\$751.20
612	Mobilization Drill Rig Truck Mount	Each	\$500.00	1	\$500.00
Laboratory Testing					
805	Soils Corrosion Series FM 5-550 through 5-553	Test	\$220.00	4	\$880.00
810	Soils Limerock Bearing Ratio (LBR) FM 5-515	Test	\$375.00	2	\$750.00
811	Soils Liquid Limit AASHTO T89	Test	\$60.00	15	\$900.00
812	Soils Materials Finer than 200 Sieve FM 1-T011	Test	\$55.00	10	\$550.00
817	Soils Moisture Content Lab AASHTO T265	Test	\$20.00	23	\$460.00
819	Soils Organic Content Ignition FM 1 T-267	Test	\$50.00	8	\$400.00
822	Soils Particle Size Anlys AASHTO T88 (No Hydrom	Test	\$80.00	15	\$1,200.00
826	Soils Plastic Limit & Plasticity Index AASHTO T90	Test	\$80.00	15	\$1,200.00

1. Project General Tasks

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
H.W. Lochner, Inc.	John Kenty	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
1.0	Public Involvement					
1.1	Notifications	LS	1	8	8	Assume notification letters to be sent by the County
1.2	Driveway Modification Letters	LS	1	0	0	
1.3	Other Agency Meetings	LS	1	32	32	Assume making presentation and preparation of minutes 4 meetings @ 8 hr each.
1.1 Public Involvement Subtotal					40	
1.4	Contract Maintenance and Project Documentation	LS	1	124	124	Initial Setup (20 hrs). Project Maintenance (4 hr / month). Final Project Documentation (8 hrs)
1.5	Prime Consultant Project Manager Meetings	LS	1	92	92	See listing below

1. Project General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
1.6	Digital Delivery	LS	1	19	19	Setup (7 hrs), 4 Additional EOR's @ 3 hr per signature
1. Project Common and Project General Tasks Total					275	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0		0	
Drainage	EA	0	0	0	
Utilities	EA	0	0	0	
Environmental	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Survey	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	21	4	84	See Scope of services
Phase Reviews	EA	0	0	0	
Field Reviews	EA	2	4	8	Field Reviews held at 60% Plans and 100% Plans
Total Project Manager Meetings		23		92	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, except for Photogrammetry.

2. Trail Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
H.W. Lochner, Inc.	John Kenty	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
2.1	Pavement Type Selection Report	LS	1	4	4	Review alternative pavement options by others.
2.2	Horizontal /Vertical Master Design Files	LS	1	226.5	227	((0.94 miles trail + 0.25 mi Icot Blvd M&R/Curbline reconstruction) * 150 hrs/mi) + (3 mid block crossings * 8 hrs) + (6 Utils *2 hrs * 2 submittals for conflict resolution)
2.3	Cross Section Design Files	LS	1	129	129	3D Modeling Efforts: 60% Plans: - Duke Energy Esmt. (Sta. 400+00 - Sta. 427+60 = 0.52 mi):20hrs/mi x 0.52 mi - Icot/Ulmerton (Sta. 427+60 - Sta. 449+80 = 0.42 mi): 40 hrs/mi x 0.42 mi - Existing Feature Modeling: 32 hrs - Driveways: 3 x 4 hrs - Box Culvert: 4 hrs 100% Plans: - Duke Energy Easement: 30hrs/mi x 0.52 mi - Icot/Ulmerton: 20 hrs/mi x 0.42 mi Final Plans: - Duke Energy Easement: 5hrs/mi x 0.52 mi - Icot/Ulmerton: 10 hrs/mi x 0.42 mi Cross Sections: 0.94 mi x 35 hrs/mi
2.4	Temporary Traffic Control Plan Analysis	LS	1	12	12	Icot Blvd and also crossing signage
2.5	Tree Disposition Plan	LS	1	12	12	Coordinate tree removals with County arborist Staff
2.6	Design Report	LS	1	12	12	Design Documentation
2.7	Quantities	LS	1	32	32	
2.8	Cost Estimate	LS	4	6	24	4 Engineers Estimate update 6 hrs/update
2.9	Driveway Harmonization	LS	4	2	8	4 driveways @ 2 hrs, reconstruction assumed with trail crossing, existing pavers.
2.10	Other Roadway Analyses	LS	1	24	24	15% Line and Grade Submittal
Trail Analysis Technical Subtotal					484	

2. Trail Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
2.11	Field Reviews	LS	2	4	8	1 staff * 4 hrs each field review
2.12	Technical Meetings	LS	2	4	8	2 staff * 2 hrs each Technical meeting
	Quality Assurance/Quality Control	LS	%	7%	34	
	Supervision	LS	%	5%	24	
Trail Analysis Nontechnical Subtotal					122	
	Coordination	LS	%	2%	12	
2. Trail Analysis Total					618	

13. Trail Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing		Print Name	Signature / Date
Pinellas County			
H.W. Lochner, Inc.		John Kenty	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
13.1	Key Sheet		Sheet	1	8	8	N/A
13.2	Typical Section Sheets						
13.3	Typical Sections		EA	6	6	36	4 trail typicals, Icot roadway work, 1 trail along Ulmerton Road
13.4	Typical Section Details		EA	3	4	12	Assume 3 details (Icot moving curbline, adjacent to pond, box culvert crossing)
13.5	General Notes/Pay Item Notes		Sheet	1	8	8	Including notes to reviewers
13.6	Project Layout		Sheet	1	0	0	N/A
13.7	Plan/Profile Sheet		Sheet	9	6	54	4980'/560' per sheet 40 scale = 9 sheets
13.8	Profile Sheet		Sheet	0	0	0	N/A
13.9	Plan Sheet		Sheet	0	0	0	N/A
13.10	Special Profile		Sheet	4	2	8	4 Icot driveways
13.11	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	N/A
13.12	Interchange Layout Sheet		Sheet	0	0	0	N/A
13.13	Ramp Terminal Details (Plan View)		Sheet	0	0	0	N/A
13.14	Intersection Layout Details		Sheet	0	0	0	N/A
13.15	Special Details		EA	1	4	4	Assume 1 special detail (Possible Icot crossing)
13.16	Cross-Section Pattern Sheets		Sheet	0	0	0	N/A
13.17	Roadway Soil Survey Sheets		Sheet	2	2	4	Incorporate from geotech
13.18	Cross Sections		EA	86	0.3	26	

13. Trail Plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
13.19	Temporary Traffic Control Plan Sheets		Sheet	3	5	15	2 sheets for Icot. 1 sheet for 60th and 61st
13.20	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	N/A
13.21	Temporary Traffic Control Detail Sheets		Sheet	0	0	0	N/A
13.22	Utility Adjustment Sheets		Sheet	9	4	36	Shown on the Utility Sheets
13.23	Selective Clearing and Grubbing Sheets						
13.24	Selective Clearing and Grubbing		Sheet	0	0	0	N/A
13.25	Selective Clearing and Grubbing Details		Sheet	0	0	0	N/A
13.26	Tree Disposition Sheets						
13.27	Tree Disposition Plan Sheets		Sheet	0	0	0	N/A
13.28	Tree Disposition Plan Tables and Schedules		Sheet	1	4	4	Tree table
13.29	Project Control Sheets		Sheet	0	0	0	Provided by surveyor
13.30	Environmental Detail Sheets		Sheet	0	0	0	
13.31	Summary of Quantities		Sheet	12	4	48	
Trail Plans Technical Subtotal						263	
	Quality Assurance/Quality Control		LS	%	7%	18	
	Supervision		LS	%	5%	13	
13.Trail Plans Total						294	

3. Drainage Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
H.W. Lochner, Inc.	Tom Roepnack	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Drainage Map Hydrology	Per Map	1	12	12	Develop a working drainage map showing drainage basin data
3.2	Base Clearance Analysis	Per Location	8	4	32	Assume 2 at Ulmerton, 2 at Icot Ponds, 4 at Duke Easement = 8 ea
3.3	Design of Cross Drains	EA	1	6	6	1 in Duke Easement
3.4	Design of Ditches/Swales	Per Ditch Mile	0.5	15	8	Assume half of the trail will require a ditch = $4980/2 = 2490' = 0.5$ mile
3.5	Design of Floodplain Compensation	Per Floodplain Basin	1	40	40	Demonstrate that no impact to Pinellas County floodplain
3.6	Design of Storm Drains	EA	20	2	40	Assume 20 drainage structures
3.7	Drainage Design Documentation Report	LS	1	120	120	Add ICPR pre vs. post analysis of existing outfall drainage system. Administrative Adjustment for Stormwater Quality.
3.8	Existing Permit Analysis	LS	2	6	12	2 existing permits
3.9	Other Drainage Analysis	LS	1	8	8	FDOT Drainage Connection Permit
Drainage Analysis Technical Subtotal					278	
3.10	Field Reviews	LS	2	4	8	2 site visit x 1 person x 4 hrs = 8
3.11	Technical Meetings	LS	2	4	8	2 Meetings are listed in the scope for drainage
	Quality Assurance/Quality Control	LS	%	7%	19	
	Supervision	LS	%	5%	14	
Drainage Analysis Nontechnical Subtotal					49	
	Coordination	LS	%	2%	7	
3. Drainage Analysis Total					334	

13a. Drainage Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
H.W. Lochner, Inc.	Tom Roepnack	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
13.1a	Drainage Map (Including Interchanges)	1"=100'	Sheet	4	8	32	4980'/1400' per sheet = 4 sheets
13.2a	Summary of Drainage Structure Sheets		Sheet	1	8	8	
13.3a	Optional Materials Tabulations		LS	1	0	0	Not included in the scope
13.4a	Drainage Structures		LS	1	32	32	Assume 20 structures @ 12 hrs to setup & 1 hrs per structure
13.5a	Lateral Ditch Cross Sections		EA	1	12	12	At box culvert
13.6a	Retention/Detention Ponds Detail Sheets		Sheet	3	12	36	
13.7a	Retention Pond Cross Sections		EA	0	0	0	
13.8a	Erosion Control Plan Sheets	1"=100'	Sheet	4	2	8	
13.9a	SWPPP Sheets		Sheet	3	4	12	
Drainage Plans Technical Subtotal						140	
	Quality Assurance/Quality Control		LS	%	7%	10	
	Supervision		LS	%	5%	7	
13a. Drainage Plans Total						157	

4. Utilities

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Preliminary Utility Meeting	LS	1	4	4	Meeting is listed below
4.2	Individual/Field Meetings	LS	1	8	8	Meetings are listed below
4.3	Collect and Review Plans and Data from UAO(s)	LS	1	10	10	Assume 10 utilities @ 1 hr. per utility
4.4	Utility Markups & Work Schedules, and Plan Adjustments	LS	1	8	8	Meetings are listed below
4.5	Utility Coordination/Followup	LS	1	0	0	
4.6	Utility Constructability Review	LS	1	10	10	Assume 10 utilities @ 1 hr. per utility
4.7	Certification/Close-Out	LS	1	20	20	Assume 10 utilities @ 4 hr. per utility
4. Utilities Total					60	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	1	4	4			0
Preliminary Meeting (see 7.5)	EA	1	4	4			0
Individual UAO Meetings (see 7.6)	EA	2	4	8			0
Field Meetings (see 7.6)	EA	1	0	0			0
Design Meeting (see 7.9)	EA	2	4	8			0
Other Meetings (this is automatically added into Utilities Total (cell F27))	EA	0	0	0			0
Total Meetings				24	Total Project Manager Meetings		0

Carries to Tab 3

5. Env. Permits and Clearances

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

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						
5.1	Preliminary Project Research	LS	1	8	8	
Permits						
Complete And Submit All Required Permit Applications						
5.2	Complete and Submit All Required Permit Applications	LS	1	10	10	Submit 1 permit all 3 sections
5.3	Coordinate and Review Floodplain Cut and Fill Sketches	LS	1	24	24	Demonstrate that no impact to Pinellas County floodplain
5.4	Other Environmental Permits	LS	1	16	16	Pinellas County Stormwater review
Environmental Clearances/Reevaluations						
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal					58	
5.5	Technical Meetings	LS	1	4	4	Meetings are listed below
	Quality Assurance/Quality Control	LS	%	7%	4	
	Supervision	LS	%	5%	3	
Environmental Permits and Environmental Clearances Nontechnical Subtotal					11	
	Coordination	LS	%	2%	1	
5. Environmental Permits and Environmental Clearances Total					70	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	4	4			0
Subtotal Technical Meetings				4		Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
Total Meetings				4		Total Project Manager Meetings	0

Carries to 8.17

Carries to Tab 3

6. Traffic Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	J. Heuer	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
6.1	System Timings	LS	1	0	0	N/A
6.2	Reference and Master Signalization Design File	PI	1	0	0	N/A
6.3	Signing and Pavement Marking Master Design File	LS	1	36	36	Low range: 12 hrs setup + 8 hrs / crossing * 3 (61st, 60th, Icot) = 44 hrs
6.4	Sign Panel Design Analysis	EA	0	0	0	N/A
Traffic Analysis Technical Subtotal					36	
6.5	Field Reviews	LS	2	4	8	1 person, 2 field reviews at 4hrs
	Quality Assurance/Quality Control	LS	%	7%	3	
	Supervision	LS	%	5%	2	
Traffic Analysis Nontechnical Subtotal					13	
	Coordination	LS	%	2%	1	
6.Traffic Analysis Total					50	

Carries to 19.12

Carries to Tab 3

13b. Traffic Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	J. Heuer	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13b.1	Key Sheet		Sheet	0	4	0	0	N/A
13b.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	General Notes
13b.3	Plan Sheet		Sheet	0	0	0	0	N/A
13b.4	Typical Details		EA	0	0	0	0	N/A
13b.5	Guide Sign Worksheets		EA	0	0	0	0	N/A
13b.6	Traffic Monitoring Site		EA	0	0		0	N/A
13b.7	Cross Sections		EA	0	0		0	N/A
13b.8	Special Service Point Details		EA	0	0		0	N/A
13b.9	Special Details		LS	1	8		8	Pinellas County trailhead details
13b.10	Interim Standards		LS	1	0		0	N/A
Traffic Plans Technical Subtotal						1	12	
	Quality Assurance/Quality Control		LS	%	7%		1	
	Supervision		LS	%	5%		1	
13b. Traffic Plans Total						1	14	

7. Lighting Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Tim Bourne	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
7.1	Lighting Design Analysis Report (LDAR)	LS	1	4	4	Assume just review County's analysis 1 report for all 3 sections @ xx hrs. 1 signlized & 1 mid block
7.2	Reference and Master Design Files	LS	1	18	18	3 intersections
Lighting Analysis Technical Subtotal					22	
7.3	Field Reviews	LS	1	8	8	Lighting field visit inventory 2 people at 4 hrs
7.4	Technical Meetings	LS	1	8	8	
	Quality Assurance/Quality Control	LS	%	5%	1	
	Supervision	LS	%	7%	2	
Lighting Analysis Nontechnical Subtotal					19	
	Coordination	LS	%	0%	0	
7. Lighting Analysis Total					41	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	1	4	4			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	1	4	4			0
Total Meetings				8		Total Project Manager Meetings	0

Carries to 23.13

Carries to Tab 3

13c. Lighting Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Tim Bourne	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13c.1	Key Sheet		Sheet	0	0	0	0	No Locations Whintey Road covered under segment 2
13c.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	
13c.3	Pole Data, Legend and Criteria		Sheet	3	8	3	24	
13c.4	Service Point Details		Sheet	2	4	2	8	
13c.5	Project Layout		Sheet	0	0	0	0	
13c.6	Plan Sheet		Sheet	2	4	2	8	
13c.7	Special Details		Sheet	1	12	1	12	
13c.8	Temporary Highway Lighting Detail Sheets		Sheet	0	0	0	0	
13c.9	Temporary Highway Lighting Plan Sheets		Sheet	0	0	0	0	
Lighting Plans Technical Subtotal						9	56	
24.11	Quality Assurance/Quality Control		LS	%	7%		4	
24.12	Supervision		LS	%	5%		3	
13c. Lighting Plans Total						9	63	

8. Env Permit(WetlandSpecies)

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	Kevin Connor	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Environmental Permits and Environmental Clearances						
8.1	Preliminary Project Research	LS	1	4	4	Project research
Permits						
8.2	Field Work					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	N/A
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	16	16	2 people x 1 day (Field Work)
8.2.3	Species Surveys	LS	1	0	0	Included as part of 8.2.2
8.3	Agency Verification of Wetland Data	LS	1	4	4	4 hour field review with prep and coordination
Complete And Submit All Required Permit Applications						
8.4.1	Complete and Submit All Required Permit Applications	LS	1	24	24	Preparation of environmental documentation for anticipated permit exemption
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	N/A
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	4	4	Review of Wetland Impact Sheets created as part of 13.30
8.6	Prepare USCG Permit Application	LS	1	0	0	N/A
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	N/A
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	N/A
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	N/A
8.10	Compensatory Mitigation Plan	LS	1	0	0	N/A

8. Env Permit(WetlandSpecies)

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.11	Mitigation Coordination and Meetings	LS	1	4	4	Coordination with County if mitigation required
8.12	Other Environmental Permits	LS	1	0	0	N/A
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal					56	
8.17	Technical Meetings	LS	1	4	4	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	7%	4	
8.19	Supervision	LS	%	5%	3	
Environmental Permits and Environmental Clearances Nontechnical Subtotal					11	
8.20	Coordination	LS	%	2%	1	
8. Environmental Permits and Environmental Clearances Total					68	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	2	2		yes	1
NMFS	EA	0	0	0			0
USACE / FDEP (Sec. 404)	EA	1	2	2		yes	1
USCG	EA	0	0	0			0
USFWS	EA	0	0	0			0
FFWCC	EA	0	0	0			0
FDOT	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				4		Subtotal Project Manager Meetings	2
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
Total Meetings				4		Total Project Manager Meetings	2

9. Structural Summary

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	Doug Hershey	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
	General Drawings										
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0	N/A				
9.2	Project Layout	Sheet	0	0	0	0	N/A				
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0	N/A				
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	N/A				
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0	N/A				
9.6	Standard Plans- Bridges	LS	1	0		0	N/A				
9.7	Existing Bridge Plans	LS	1	0		0	N/A				
9.8	Quantities	LS	1	10		10	Retaining walls & Box culvert				
9.9	Cost Estimate	LS	1	6		6	Retaining walls & Box culvert				
9.10'	Technical Special Provisions and Modified Special Provisions	LS	1	0		0	N/A				
Structures - Summary and Miscellaneous Tasks and Drawings					0	16					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
9a	Retaining Walls	178								178	
9b	Miscellaneous Structures	92									92

9. Structural Summary

Structures Technical Subtotal		270	0	0	0	0	0	0	0	178	92
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.11	Field Reviews	LS	1	8	8	2 people x 4 hours					
9.12	Technical Meetings	LS	1	6	6	Meetings are listed below					
9.13	Quality Assurance/Quality Control	LS	%	7%	20						
9.14	Independent Peer Review	LS	1	0	0	N/A					
9.15	Supervision	LS	%	5%	14						
Structures Nontechnical Subtotal					48						
9.16	Coordination	LS	%	2%	20	Roadway, geotechnical, lighting & drainage					
9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total					84						
Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	Comments			PM Attendance	Number	
BDR Coordination/Review		EA	0	0	0					0	
90/100% Comment Review		EA	0	0	0					0	
Aesthetics Coordination		EA	0	0	0					0	
Regulatory Agency		EA	0	0	0					0	
Local Governments (cities, counties)		EA	0	3	0					0	
Utility Companies		EA	0	0	0					0	
Other Meetings		EA	3	2	6	Phase review meetings (Virtual)				0	
Subtotal Technical Meetings					6					0	
Progress Meetings (if required by FDOT)		EA	0	0	0	Attendance at Progress Meetings is manually entered on General Task				--	
Phase Review Meetings		EA	0	0	0	Attendance at Phase Review Meetings is manually entered on General Task				--	
Total Meetings					6	Total Project Manager Meetings (carries to Tab 3)				0	

Carries to 9.12

Carries to Tab 3

9a. Str-Retaining Wall

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	Doug Hershey	

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							
	Key Sheet	Sheet	0	0	0	0	N/A
	Horizontal Wall Geometry	Per Wall	4	4		16	Four retaining walls: - Sta. 422+60 to Sta. 427+50 = 490 LF [Highly curved alignment] - Sta. 433+25 to Sta. 435+70 = 245 LF - Sta. 436+40 to Sta. 438+20 = 180 LF - Sta. 439+00 to Sta. 439+60 = 60 LF
Permanent Proprietary Walls							
	Vertical Wall Geometry	Per Wall	0	0		0	N/A
	Semi-Standard Drawings	Sheet	0	0	0	0	N/A
	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	N/A
	Details	Sheet	0	0	0	0	N/A
Temporary Proprietary Walls							
	Vertical Wall Geometry	Per Wall	0	0		0	N/A
	Semi-Standard Drawings	Sheet	0	0	0	0	N/A
	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	N/A
	Details	Sheet	0	0	0	0	N/A

9a. Str-Retaining Wall

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Cast-in-Place Retaining Walls							
	Design	EA Design	2	12		24	Assume half of the walls require a concrete cantilever retaining wall design.
	Vertical Wall Geometry	EA Wall	4	12		48	Four unique walls.
	General Notes	Sheet	1	2	1	2	One sheet assumed for all four walls.
	Wall Plan and Elevations (Control Drawings)	Sheet	4	16	4	64	FDOT Standard Plans Instructions for Index 400-010 (CIP retaining wall) and 400-011 (Gravity wall) require wall control drawings satisfying the requirements of FDOT Structures Detailing Manual Section 19.2 and Florida Design Manual 262. Place plan view and elevation view for each wall on one sheet for a total of 4 sheets.
	Sections and Details	Sheet	1	16	1	16	One sheet assumed for all four walls.
	Reinforcing Bar List	Sheet	1	8	1	8	One sheet assumed for all four walls.
Other Retaining Walls and Bulkheads							
	Design	EA Design	0	0		0	Temporary sheet pile walls are not included in the scope.
	Vertical Wall Geometry	EA Wall	0	0		0	N/A
	General Notes, Tables and Misc. Details	Sheet	0	0	0	0	N/A
	Wall Plan and Elevations	Sheet	0	0	0	0	N/A
	Details	Sheet	0	0	0	0	N/A
17. Structures - Retaining Walls Total					7	178	

9b. Structures Misc.

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.
440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	Doug Hershey	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Concrete Box Culvert							
	Concrete Box Culverts	EA	1	30		30	2-Celled Box Culvert near Sta. 419+90. Based on the anticipated cell size, the culvert is a bridge culvert (> 20 feet in length) and will require load rating
	Concrete Box Culverts Extensions	EA Extension	0	0		0	N/A
	Concrete Box Culvert Data Table Plan Sheets	Sheet	1	4	1	4	Box culvert data table
	Concrete Box Culvert Special Details Plan Sheets	Sheet	1	4	1	4	Load rating data sheet
Strain Poles							
	Steel Strain Poles	Initial Config	0	0		0	N/A
		EA Add'l Config	0	0		0	N/A
	Concrete Strain Poles	Initial Config	0	0		0	N/A
		EA Add'l Config	0	0		0	N/A
	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	N/A
	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	N/A
Mast Arms							
	Mast Arms	EA Design	1	4		4	Mast arm foundation for anticipated relocation of pole at Ulmerton Road and 58th Street North
	Mast Arms Data Table Plan Sheets	Sheet	0	0	0	0	N/A
	Mast Arm Special Details Plan Sheets	Sheet	1	16	1	16	Mast arm foundation for anticipated relocation of pole at Ulmerton Road and 58th Street North
Sign Structures							
	Multi-Post Sign Structures	EA Design	1	4		4	Multi-post sign structure design calculations for one structure
	Overhead Span Sign Structures	EA Design	0	0		0	N/A
	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	N/A
	Monotube Overhead Sign Structure	EA Design	0	0		0	N/A
	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	N/A
	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	N/A
	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	N/A

9b. Structures Misc.

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Light Poles							
	Light Pole Spread Footing Design	EA Design	1	8		8	Design of light pole to obtain loads and design of spread footing foundation for one non-standard foundation (spread footing).
	Light Pole Spread Footing Sheets	Sheet	1	12	1	12	Spread footing drawing including details and general notes
Noise Barrier Walls (Ground Mount)							
	Horizontal Wall Geometry	EA Wall	0	0		0	N/A
	Vertical Wall Geometry	EA Wall	0	0		0	N/A
	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	N/A
	Control Drawings	Sheet	0	0	0	0	N/A
	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	N/A
	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	N/A
	Aesthetic Details	LS	1	0		0	N/A
Special Structures							
	Fender System	LS	1	0		0	N/A
	Fender System Access	LS	1	0		0	N/A
	Special Structures	LS	1	0		0	N/A
	Other Structures	LS	1	10		10	PSTA bus pad details for relocated bus pads
Ancillary Structures Report							
	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	N/A
	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	N/A
	Analytical Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	N/A
	Ancillary Structures Report	LS	1	0		0	N/A
18. Structures - Miscellaneous Total					3	92	

27.OS Public Involement Support

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	John Kenty	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
27.1	Public Involement					
27.1.2	Notifications	LS	1	0	0	Includes the review draft notification letter and/or flyer for review by the County
27.1.7	Renderings and Fly Throughs	LS	1	16	16	
27.1.9	Public Meeting Preparations	LS	1	8	8	
27.1.10	Public Meeting Attendance/Followup	LS	1	8	8	
27.1.11	Other Agency Meetings	LS	1	8	8	Assume making presentation and prepration of minutes x meetings @ 4 hrs.
27. Public Involement Subtotal					40	
27.6	Staff attending Meetings	LS	1	12	12	3 people @ x hrs
27. Public Involement Support Total					52	

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, except for Photogrammetry.

28. OS Post Design

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	John Kenty	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
15.1	Engineer of Record Project Meetings	LS	1	44	44	See listing below
15.2	Post Design Services	LS	1	60	60	Shop drawings review and address RFI's
15.3	Plan Revisions	LS	1	16	16	
28. OS Post Design Tasks Total					120	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Progress Meetings	EA	26	1	26	Weekly construction meeting attendance assume 6 months
Field Reviews	EA	6	3	18	Field Meeting to discuss RFI's
Total Project Manager Meetings		32		44	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, except for Photogrammetry.

35. Geotechnical

Estimator:

Pinellas Trail South Gap-Phase II -Segment 1: Pinellas Trail from Ulmerton Rd. to 142nd Avenue N.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Test Lab, Inc.	Igon Kratser, P.E.	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Roadway					
35.1	Document Collection and Review	LS	1	4	4	Review published information - USDA/NRCS Soil Survey, USGS Topographic Maps & Geologic Review; Phase II Approx. 4,895 LF Segment
35.2	Develop Detailed Boring Location Plan	LS	1	3	3	Perform 6 foot auger borings along the trail corridor (staggered to cover swales/ditches and trail) at 300 ft spacing; Total of 17 borings (102 LF)
35.3	Stake Borings/Utility Clearance	Boring	17	0.3	5	Commute to the site and back, locate and stake boring locations, coordinate with locators
35.4	Muck Probing	Crew Day	1	8	8	Organic soils are likely present
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	1	1	1	
35.6	Drilling Access Permits	Location	0	0	0	
35.7	Property Clearances	EA	0	0	0	
35.8	Groundwater Monitoring	EA	0	0	0	
35.9	LBR/Resilient Modulus Sampling	EA	0	0	0	not anticipated
35.10	Coordination of Field Work	100 lf of boring	1.02	1	1	102 LF
35.11	Soil and Rock Classification - Roadway	100 lf of boring	1.02	2	2	102 LF
35.12	Design LBR	LS	0	0	0	
35.13	Laboratory Data	100 lf of boring	1.02	1	1	102 LF
35.14	Seasonal High Water Table	Boring	17	0.3	5	17 borings
35.15	Parameters for Water Retention Areas	EA	1	2	2	hydraulic conductivity, depth to confining layer, shgwt
35.16	Delineate Limits of Unsuitable Material	Cross-section	2	1	2	
35.17	Electronic Files for Cross-Sections	100 lf of boring	1.02	2	2	102 LF

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.18	Embankment Settlement and Stability	Embankment Boring	0	0	0	to be performed for gravity wall supported area as required
35.19	Monitor Existing Structures	LS	1	2	2	
35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	
35.21	Geotechnical Recommendations	LS	1	6	6	as required for support of design efforts
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	0	0	0	
35.23	Preliminary Roadway Report	LS	1	10	10	
35.24	Final Report	EA	1	8	8	
35.25	Auger Boring Drafting	100 lf boring	1.02	5	5	102 LF
35.26	SPT Boring Drafting	100 lf boring	0	0	0	
Roadway Geotechnical Subtotal					67	
Structures						
35.27	Develop Detailed Boring Location Plan	LS	1	2	2	The structures to included gravity walls at Sta.428+29 to 441+83 (9 (10 ft) SPT borings); box culvert with headwall and wing walls Sta.420+00 (2 (25 ft) SPT borings); 1 light pole (spread footing) (1 (10 ft) SPT boring); 1 signal pole (1 (30 ft) SPT boring); 1 multi-post sign (1 (15 ft) SPT boring - 195 LF
35.28	Stake Borings/Utility Clearance	Boring	14	0.75	11	14 SPT borings
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	1	1	1	
35.30	Drilling Access Permits	Location	0	0	0	
35.31	Property Clearances	EA	0	0	0	
35.32	Collection of Corrosion Samples	EA	4	1	4	box culvert (water and soil); drainge structures (soil)
35.33	Coordination of Field Work	100 lf of boring	1.95	1	2	
35.34	Soil and Rock Classification - Structures	100 lf of boring	1.95	2	4	
35.35	Tabulation of Laboratory Data	100 lf of boring	1.95	1	2	
35.36	Estimate Design Groundwater Level for Structures	EA	5	0.5	3	gravity wall, culvert, head and wing walls, signal pole, light pole and multi-post sign
35.37	Selection of Foundation Alternatives (BDR)	Bridge boring	0	0	0	
35.38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	0	0	0	

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.39	Bridge Construction and Testing Recommendations	Bridge boring	0	0	0	
35.40	Lateral Load Analysis (Optional)	Bridge boring	0	0	0	
35.41	Walls	Wall Boring	9	1.5	14	wall stability analysis, shgwt evaluation, feasibility of utilization of FDOT scheme II gravity wall
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	0	0	
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	3	1	3	
35.44	Box Culvert Analysis	EA	1	4	4	
35.45	Preliminary Report - BDR	EA	0	0	0	
35.46	Final Report - Bridge and Associated Walls	EA	0	0	0	
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	1	15	15	
35.48	SPT Boring Drafting	100 lf of boring	1.95	4	8	
35.49	Other Geotechnical	LS	0	0	0	
Structural Geotechnical Subtotal					73	
Geotechnical Technical Subtotal					140	
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	
35.51	Field Reviews	LS	1	8	8	
35.52	Technical Meetings	LS	1	4	4	Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	5%	7	
35.54	Supervision	LS	%	5%	7	
Geotechnical Nontechnical Subtotal					26	
35.55	Coordination	LS	%	3%	5	
35. Geotechnical Total					171	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	1	1	1			0
Boring Layout Approval	EA	2	1	2			0

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments		
	Attend in BDR Review Meeting	EA	0	0	0			0
	30/60/90% Submittal Review	EA	0	0	0			0
	Other Meetings	EA	1	1	1			0
Subtotal Technical Meetings					4	Subtotal Project Manager Meetings		0
	Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		
	Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		
Total Meetings					4	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 35.52

Carries to Tab 3

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: C & F Inc.
 Consultant No.:
 Date: 11/9/2022
 Estimator: MJF

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager 3	Chief Engineer 2	Senior Engineer 2	Senior Engineer 1	Chief Designer	Senior Designer	Secretary/Clerical	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH	Salary	Average
		\$265.64	\$332.14	\$182.14	\$133.11	\$154.45	\$120.00	\$107.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	By Activity	Cost By Activity
General Tasks	267	187	13	27	27	0	0	13	0	0	0	0	0	267	\$63,897	\$239.31
Trail Analysis	769	154	39	115	115	192	154	0	0	0	0	0	0	769	\$138,250	\$179.78
Trail Plans	427	22	0	43	43	149	170	0	0	0	0	0	0	427	\$62,813	\$147.10
Drainage Analysis	394	79	20	59	59	98	79	0	0	0	0	0	0	394	\$70,844	\$179.81
Drainage Plans	178	9	0	18	18	71	62	0	0	0	0	0	0	178	\$26,471	\$148.71
Utilities	60	27	3	6	9	0	0	15	0	0	0	0	0	60	\$12,067	\$201.11
Environmental Permitting	70	4	7	42	10	0	0	7	0	0	0	0	0	70	\$13,119	\$187.41
Traffic Analysis	191	38	10	29	29	47	38	0	0	0	0	0	0	191	\$34,377	\$179.98
Traffic Plans	41	3	0	4	4	16	14	0	0	0	0	0	0	41	\$6,209	\$151.44
Lighting Analysis	42	8	3	6	6	11	8	0	0	0	0	0	0	42	\$7,672	\$182.67
Lighting Plans	67	3	0	7	7	27	23	0	0	0	0	0	0	67	\$9,934	\$148.27
OS Public Involvement Suport	52	29	2	8	8	0	0	5	0	0	0	0	0	52	\$11,426	\$219.72
OS Post Design Services	120	84	12	12	0	0	0	12	0	0	0	0	0	120	\$29,771	\$248.09
Total Staff Hours	2,678	647	109	376	335	611	548	52	0	0	0	0	0	2,678		
Total Staff Cost		\$171,869.08	\$36,203.26	\$68,484.64	\$44,591.85	\$94,368.95	\$65,760.00	\$5,571.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$486,849.06	\$181.80

Check = \$486,849.06

Survey Field Days by Subconsultant
 4 - Person Crew:

SUB TOTAL:																\$445,652.72
SUBTOTAL ESTIMATED FEE:																
Subconsultant:	Test Labs Geotechnical Investigation															\$32,559.13
Subconsultant:	Universal Phase I Environmental Site Assess															\$766.67
Subconsultant:	Locher															\$61,588.86
Subconsultant:																\$0.00
SUBTOTAL ESTIMATED FEE:																
Survey (Field)	0	3-person crew days @											\$	-	/ day	\$0.00
SUBTOTAL ESTIMATED FEE:																
Optional Services Public Involvement																\$11,425.54
Optional Post Design																\$29,770.80
GRAND TOTAL ESTIMATED FEE:																
																\$581,763.72

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: Lochner
 Consultant No.:
 Date: 11/9/2022
 Estimator: Kevin Conner/Doug Hershey

Staff Classification	Total Staff Hours From "SH Summary Firm"	Chief Engineer	Senior Engineer	Engineer 2	Engineering Intern	Chief Scientist	Environmental Specialist	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$255.75	\$223.91	\$175.99	\$107.06	\$225.00	\$99.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Environmental Permitting	68	0	0	0	0	34	34	0	0	0	0	0	0	68	\$11,045	\$162.42
Structural Analysis	298	30	60	104	104	0	0	0	0	0	0	0	0	298	\$50,544	\$169.61
Total Staff Hours	366	30	60	104	104	34	34	0	0	0	0	0	0	366		
Total Staff Cost		\$7,672.50	\$13,434.60	\$18,302.96	\$11,134.24	\$7,650.00	\$3,394.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$61,588.86	\$168.28

Check =				\$61,588.86
SALARY RELATED COSTS:				\$61,588.86
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
SUBTOTAL ESTIMATED FEE:				\$61,588.86
Survey (Field)	0	4-person crew	\$ - / day	\$0.00
Geotechnical Field and Lab Testing				\$0.00
SUBTOTAL ESTIMATED FEE:				\$61,588.86
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$61,588.86

Notes:

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

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: Test Labs
 Consultant No.:
 Date: 11/9/2022
 Estimator: Igon Kratser

Staff Classification	Total Staff Hours From "SH Summary Firm"	Chief Engineer	Senior Engineer	Engineer 2	Engineering Intern	Chief Scientist	Environmental Specialist	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By	Salary Cost By	Average Rate Per
		\$77.17	\$74.09	\$60.50	\$94.98	\$44.45	\$155.83	\$74.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	Activity	Activity	Task
35_Geotechnical	188	38	28	23	28	5	38	28	0	0	0	0	0	188	\$17,276	\$91.89
Total Staff Hours	188	38	28	23	28	5	38	28	0	0	0	0	0	188		
Total Staff Cost		\$2,932.46	\$2,074.52	\$1,391.50	\$2,659.44	\$222.25	\$5,921.54	\$2,074.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$17,276.23	\$91.89

Notes:

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

				Check =	\$17,276.23
SALARY RELATED COSTS:					\$17,276.23
OVERHEAD:			0%		\$0.00
OPERATING MARGIN:			0%		\$0.00
FCCM (Facilities Capital Cost Money):			0.00%		\$0.00
EXPENSES:			0.00%		\$0.00
SUBTOTAL ESTIMATED FEE:					\$17,276.23
Survey (Field)	0	4-person crew	\$ - / day		\$0.00
Geotechnical Field and Lab Testing					\$15,282.90
SUBTOTAL ESTIMATED FEE:					\$32,559.13
Optional Services					\$0.00
GRAND TOTAL ESTIMATED FEE:					\$32,559.13



GEOTECHNICAL & MATERIALS
ENGINEERING, TESTING & INSPECTION

Published Fee Schedule

Standard Items and Item Descriptions for Geotechnical and Materials firms

Item #	Item Description	Unit	Cost Per Unit	# of Units	Cost
Drilling and Field Testing					
401	Geo Auger Borings-H& & Truck/Mud Bug	LF	\$10.80	168	\$1,814.40
418	Geo Drill Crew Support Vehicle	Day	\$176.00	5	\$880.00
432	Geo Field Permeability 0-10 Ft Open-End Boreho	Each	\$350.00	6	\$2,100.00
440	Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	LF	\$6.00	140	\$840.00
478	Geo SPT Truck/Mud Bug 0-50 Ft	LF	\$14.60	140	\$2,044.00
488	Geo Temp Casing 3in Truck/Mud Bug 0-50 Ft	LF	\$9.39	50	\$469.50
612	Mobilization Drill Rig Truck Mount	Each	\$500.00	1	\$500.00
Laboratory Testing					
805	Soils Corrosion Series FM 5-550 through 5-553	Test	\$220.00	4	\$880.00
810	Soils Limerock Bearing Ratio (LBR) FM 5-515	Test	\$375.00	3	\$1,125.00
811	Soils Liquid Limit AASHTO T89	Test	\$60.00	12	\$720.00
812	Soils Materials Finer than 200 Sieve FM 1-T011	Test	\$55.00	10	\$550.00
817	Soils Moisture Content Lab AASHTO T265	Test	\$20.00	20	\$400.00
819	Soils Organic Content Ignition FM 1 T-267	Test	\$50.00	8	\$400.00
822	Soils Particle Size Anlys AASHTO T88 (No Hydrom	Test	\$80.00	20	\$1,600.00
826	Soils Plastic Limit & Plasticity Index AASHTO T90	Test	\$80.00	12	\$960.00

Project Activity 1: General Tasks

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
1.0	Public Involvement					
1.1	Notifications	LS	1	8	8	Assume notification letters that will be sent by the County.
1.3	Other Agency Meetings	LS	1	32	32	Assume making presentation and preparation of minutes 4 meetings @ .X hr.
1.1 Public Involvement Subtotal					40	
1.4	Contract Maintenance and Project Documentation	LS	1	124	124	XX hr. setup & 24 months x hr / month & Final Documentation
1.5	Prime Consultant Project Manager Meetings	LS	1	84	84	See listing below

Project Activity 1: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
1.6	Digital Delivery	LS	1	19	19	x hrs setup 4 EOR's @ x hr per signature
1. Project Common and Project General Tasks Total					267	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Progress Meetings	EA	21	4	84	See Scope of services
Total Project Manager Meetings		21		84	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, except for Photogrammetry.

Project Activity 2: Trail Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
2.1	Pavement Type Selection Report	LS	1	4	4	Review alternative pavement options
2.2	Horizontal /Vertical Master Design Files	LS	1	324.4	324	((1 miles trail)*150 hrs/mi) + (0.62 miles trail)*120 hrs/mi) +(5 iintersections crossings * 8 hrs) + (10 Utils *2 hrs * 3 submittals for conflict resolution)
2.3	Cross Section Design Files	LS	1	144.7	145	3D Modeling Efforts: 15% L&G/60% Plans: - Duke Energy Esmt. 1.61 mi: 20hrs/mi x 1.61 mii - Existing Feature Modeling: 32 hrs 100% Plans: - Duke Energy Esmt. & Driveway Access 10 hrs/mi x 1.61 mi Final Plans: - - Duke Energy Esmt. & Driveway Access 5 hrs/mi x 1.61 mi Cross Sections: 1.61 mi x 35 hrs/mi
2.4	Temporary Traffic Control Plan Analysis	LS	1	12	12	Whitney Road and at 5 interseptions
2.5	Tree Dispostion Plan	LS	1	12	12	Coordinate tree removals with County arborist Staff
2.6	Design Report	LS	1	12	12	Design Documentation
2.7	Quantities	LS	1	40	40	
2.8	Cost Estimate	LS	4	8	32	4 Engineers Estimate update x hrs/update
2.9	Driveway Harmonization	LS	1	0	0	N/A
2.10	Other Roadway Analyses	LS	1	24	24	15% Line and Grade Submittal
Trail Analysis Technical Subtotal					605	

Project Activity 2: Trail Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
2.11	Field Reviews	LS	2	4	8	2 field reviews 1 staff * 4 hrs each field review
2.12	Technical Meetings	LS	2	4	8	2 staff * 4 hrs each Technical meeting
	Quality Assurance/Quality Control	LS	%	7%	42	
	Supervision	LS	%	5%	30	
Trail Analysis Nontechnical Subtotal					149	
	Coordination	LS	%	2%	15	
2. Trail Analysis Total					769	

Project Activity 13: Trail Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
440093-2-56-01

Representing		Print Name	Signature / Date
County			
Consultant Name		Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
13.1	Key Sheet		Sheet	1	8	8	
13.2	Typical Section Sheets						
13.3	Typical Sections		EA	6	6	36	Assume 4 Trail, Trail with Heavy Equipement, Trail along 62th Ave. & Trail with Access Driveway
13.4	Typical Section Details		EA	1	0	0	
13.5	General Notes/Pay Item Notes		Sheet	1	8	8	Including notes to reviewers
13.6	Project Layout		Sheet	1	0	0	N/A
13.7	Plan/Profile Sheet		Sheet	15	6	90	8500'/560' per sheet 40 scale = 15 sheets
13.10	Special Profile		Sheet	15	2	30	15 driveways to reprofile
13.15	Special Details		EA	2	8	16	Assume 2 special detail
13.16	Cross-Section Pattern Sheets		Sheet	0	0	0	N/A
13.17	Roadway Soil Survey Sheets		Sheet	2	2	4	Incorporate from Geo Tech
13.18	Cross Sections		EA	170	0.3	51	
13.19	Temporary Traffic Control Plan Sheets		Sheet	2	5	10	2 sheets
13.22	Utility Adjustment Sheets		Sheet	15	4	60	Utility will be shown on the roadway plans
13.26	Tree Disposition Sheets						
13.27	Tree Disposition Plan Sheets		Sheet	0	0	0	N/A
13.28	Tree Disposition Plan Tables and Schedules		Sheet	1	4	4	Tree table
13.31	Summary of Quantities		Sheet	16	4	64	
Trail Plans Technical Subtotal						381	
	Quality Assurance/Quality Control		LS	%	7%	27	
	Supervision		LS	%	5%	19	
13.Trail Plans Total						427	

Project Activity 3: Drainage Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Drainage Map Hydrology	Per Map	1	12	12	Develop a working drainage map showing drainage basin data needed to define the system hydrology and project area.
3.2	Base Clearance Analysis	Per Location	3	4	12	Analysis 3 areas duke easement, contiguous wetlands and flood plain areas
3.3	Design of Cross Drains	EA	5	6	30	Assume 5 in Duke Easement
3.4	Design of Ditches/Swailes	Per Ditch Mile	1.61	15	24	Assume the trail will require a swale = 1.61 mile
3.5	Design of Floodplain Compensation	Per Floodplain Basin	1	40	40	Demonstrate that no impact to Pinellas County floodplain
3.6	Design of Storm Drains	EA	43	2	86	Assume 43 Drainage Structures (Every 200 ft a drainage structure)
3.7	Drainage Design Documentation Report	LS	1	120	120	Add ICPR pre vs. post analysis of existing outfall drainge system and adjustment request for nutrient loading & BMPs..
3.8	Existing Permit Analysis	LS	1	6	6	Assume need to review existing permits
3.9	Other Drainage Analysis	LS	0	0	0	N/A
Drainage Analysis Technical Subtotal					330	
3.10	Field Reviews	LS	1	8	8	Assume 2 site visits 1 people at 4 hrs.
3.11	Technical Meetings	LS	1	8	8	Meetings are listed in the scope
	Quality Assurance/Quality Control	LS	%	7%	23	
	Supervision	LS	%	5%	17	
Drainage Analysis Nontechnical Subtotal					56	
	Coordination	LS	%	2%	8	
3. Drainage Analysis Total					394	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Other Meetings	EA	2	4	8	2 meeting listed in the scope		0
Total Meetings				8	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 6a.24

Carries to Tab 3

13. Drainage Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
13.1a	Drainage Map (Including Interchanges)	100'=1"	Sheet	6	12	72	8500'/1400' per sheet assume 3 sheets
13.2a	Summary of Drainage Structure Sheets		Sheet	1	8	8	
13.3a	Optional Materials Tabulations		LS	1	0	0	N/A
13.4a	Drainage Structures		LS	1	55	55	Assume 43 structures @ 12 hrs to setup & 1 hrs per structure
13.5a	Lateral Ditch Cross Sections		EA	0	0	0	N/A
13.6a	Retention/Detention Ponds Detail Sheets		Sheet	0	0	0	N/A
13.7a	Retention Pond Cross Sections		EA	0	0	0	N/A
13.8a	Erosion Control Plan Sheets	100'=1"	Sheet	6	2	12	
13.9a	SWPPP Sheets		Sheet	3	4	12	
Drainage Plans Technical Subtotal						159	
	Quality Assurance/Quality Control		LS	%	7%	11	
	Supervision		LS	%	5%	8	
13a. Drainage Plans Total						178	

4. Utilities

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Preliminary Utility Meeting	LS	1	4	4	Meeting is listed below
4.2	Individual/Field Meetings	LS	1	8	8	Meetings are listed below
4.3	Collect and Review Plans and Data from UAO(s)	LS	1	10	10	Assume 10 utilities @ 1 hr. per utility
4.4	Utility Markups & Work Schedules, and Plan Adjustments	LS	1	8	8	Meetings are listed below
4.5	Utility Coordination/Followup	LS	1	0	0	Assume 10 utilities @ 2 reviews draft UWS & final 1 hr. per utility
4.6	Utility Constructability Review	LS	1	10	10	Assume 10 utilities @ 1 hr. per utility
4.7	Certification/Close-Out	LS	1	20	20	Assume 10 utilities @ 2 hr. per utility
4. Utilities Total					60	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	1	4	4			0
Preliminary Meeting (see 7.5)	EA	1	4	4			0
Individual UAO Meetings (see 7.6)	EA	2	4	8			0
Field Meetings (see 7.6)	EA	0	0	0			0
Design Meeting (see 7.9)	EA	2	4	8			0
Other Meetings (this is automatically added into Utilities Total (cell F27))	EA	0	0	0			0
Total Meetings				24	Total Project Manager Meetings		0

Carries to Tab 3

Project Activity 5: Environmental Permits

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

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						
5.1	Preliminary Project Research	LS	1	8	8	
Permits						
Complete And Submit All Required Permit Applications						
5.2	Complete and Submit All Required Permit Applications	LS	1	10	10	Submit 1 permit all 3 sections
5.3	Coordinate and Review Floodplain Cut and Fill Sketches	LS	1	24	24	Demonstrate that no impact to Pinellas County floodplain
5.4	Other Environmental Permits	LS	1	16	16	Pinellas County Stormwater review
Environmental Clearances/Reevaluations						
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal					58	
5.5	Technical Meetings	LS	1	4	4	Meetings are listed below
	Quality Assurance/Quality Control	LS	%	7%	4	
	Supervision	LS	%	5%	3	
Environmental Permits and Environmental Clearances Nontechnical Subtotal					11	
	Coordination	LS	%	2%	1	
5. Environmental Permits and Environmental Clearances Total					70	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	4	4			0
Subtotal Technical Meetings				4		Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
Total Meetings				4		Total Project Manager Meetings	0

Carries to Tab 3

Project Activity 6: Traffic Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
6.1	System Timings	LS	2	6	12	Two Signals 150th Ave. and Roosevelt Blvd.
6.2	Reference and Master Signalization Design File	PI	2	36	72	Two Signals 150th Ave. and Roosevelt Blvd.
6.3	Signing and Pavement Marking Master Design File	LS	1	76.35	76	20 hrs setup + 35 hrs/mile *1.61 mile =76 hrs
6.4	Sign Panel Design Analysis	EA	1	0	0	N/A
Traffic Analysis Technical Subtotal					160	
6.5	Field Reviews	LS	1	8	8	Sign field inventory 2 people at 4 hrs
	Quality Assurance/Quality Control	LS	%	7%	11	
	Supervision	LS	%	5%	8	
Traffic Analysis Nontechnical Subtotal					27	
	Coordination	LS	%	2%	4	
6.Traffic Analysis Total					191	

Carries to 19.12

Carries to Tab 3

Project Activity 13b: Traffic Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13b.1	Key Sheet		Sheet	0	0	0	0	N/A
13b.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	General Notes/Pinellas County Trail Standards add to plans
13b.3	Plan Sheet		Sheet	3	8	3	24	2 signals with project limits
13b.4	Typical Details		EA	0	0		0	N/A
13b.5	Guide Sign Worksheets		EA	1	0		0	N/A
13b.6	Traffic Monitoring Site		EA	0	0		0	N/A
13b.7	Cross Sections		EA	0	0		0	N/A
13b.8	Special Service Point Details		EA	0	0		0	N/A
13b.9	Special Details		LS	1	8		8	Trail Head detail in plans assume 1 sheet
13b.10	Interim Standards		LS	1	0		0	N/A
Traffic Plans Technical Subtotal						4	36	
	Quality Assurance/Quality Control		LS	%	7%		3	
	Supervision		LS	%	5%		2	
13b. Traffic Plans Total						4	41	

Project Activity 7: Lighting Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Tim Bourne	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
7.1	Lighting Design Analysis Report (LDAR)	LS	1	4	4	Assume review Countys submittal
7.2	Reference and Master Design Files	LS	1	18	18	3 intersections
Lighting Analysis Technical Subtotal					22	
7.3	Field Reviews	LS	1	8	8	Lighting field visit inventory 2 people at 4 hrs
7.4	Technical Meetings	LS	1	8	8	
	Quality Assurance/Quality Control	LS	%	7%	2	
	Supervision	LS	%	5%	1	
Lighting Analysis Nontechnical Subtotal					19	
	Coordination	LS	%	2%	1	
7. Lighting Analysis Total					42	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	1	4	4			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	1	4	4			0
Total Meetings				8	Total Project Manager Meetings		0

Carries to 23.13

Carries to Tab 3

13. Lighting Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Tim Bourne	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13c.1	Key Sheet		Sheet	0	0	0	0	No Locations Whintey Road covered under segment 2
13c.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	
13c.3	Pole Data, Legend and Criteria		Sheet	3	8	3	24	
13c.4	Service Point Details		Sheet	2	4	2	8	
13c.5	Project Layout		Sheet	0	0	0	0	
13c.6	Plan Sheet		Sheet	3	4	3	12	
13c.7	Special Details		Sheet	1	12	1	12	
13c.8	Temporary Highway Lighting Detail Sheets		Sheet	0	0	0	0	
13c.9	Temporary Highway Lighting Plan Sheets		Sheet	0	0	0	0	
Lighting Plans Technical Subtotal						10	60	
24.11	Quality Assurance/Quality Control		LS	%	7%		4	
24.12	Supervision		LS	%	5%		3	
13c. Lighting Plans Total						10	67	

8. Env Permit(WetlandSpecies)

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Kevin Connor	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Environmental Permits and Environmental Clearances						
8.1	Preliminary Project Research	LS	1	4	4	Project research
Permits						
8.2	Field Work					
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	16	16	2 people x 1 day (Field Work)
8.2.3	Species Surveys	LS	1	0	0	Included as part of 8.2.2
8.3	Agency Verification of Wetland Data	LS	1	4	4	4 hour field review with prep and coordination
8.4	Complete And Submit All Required Permit Applications					
8.4.1	Complete and Submit All Required Permit Applications	LS	1	24	24	Preparation of environmental documentation for ERP permitting and Sec. 404 Permit application
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	4	4	Review of Wetland Impact Sheets created as part of 13.30
8.6	Prepare USCG Permit Application	LS	1	0	0	N/A
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	N/A
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	N/A
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	N/A
8.10	Compensatory Mitigation Plan	LS	1	0	0	N/A

8. Env Permit(WetlandSpecies)

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.11	Mitigation Coordination and Meetings	LS	1	4	4	Coordination with County if mitigation required
8.12	Other Environmental Permits	LS	1	0	0	N/A
	Environmental Clearances/Reevaluations					
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal					56	
8.17	Technical Meetings	LS	1	4	4	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	7%	4	
8.19	Supervision	LS	%	5%	3	
Environmental Permits and Environmental Clearances Nontechnical Subtotal					11	
8.20	Coordination	LS	%	2%	1	
8. Environmental Permits and Environmental Clearances Total					68	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	2	2			0
USACE/FDEP (Sec 404)	EA	1	2	2			0
Subtotal Technical Meetings				4		Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
Total Meetings				4		Total Project Manager Meetings	0

9. Structural Summary

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	Doug Hershey	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
General Drawings											
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0					
9.2	Project Layout	Sheet	0	0	0	0					
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0					
9.4	Miscellaneous Common Details	Sheet	0	0	0	0					
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0					
9.6	Standard Plans- Bridges	LS	1	0		0					
9.7	Existing Bridge Plans	LS	1	0		0					
9.8	Quantities for EQ Report	LS	1	8		8	Retaining walls				
9.9	Cost Estimate	LS	1	6		6	Retaining walls				
9.10'	Technical Special Provisions and Modified Special Provisions	LS	1	0		0					
Structures - Summary and Miscellaneous Tasks and Drawings					0	14					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
9a	Retaining Walls	186								186	
9b	Miscellaneous Structures	38									38
Structures Technical Subtotal		224	0	0	0	0	0	0	0	186	38
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.11	Field Reviews	LS	1	8	8	2 people x 4 hours					
9.12	Technical Meetings	LS	1	6	6	Meetings are listed below					

9. Structural Summary

9.13	Quality Assurance/Quality Control	LS	%	7%	17			
9.14	Independent Peer Review	LS	1	0	0	N/A		
9.15	Supervision	LS	%	5%	12			
Structures Nontechnical Subtotal					43			
9.16	Coordination	LS	%	2%	17	Roadway, geotechnical, lighting & drainage		
9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total					74			
Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance	Number
Utility Companies		EA	0	0	0			0
Other Meetings		EA	3	2	6			0
Subtotal Technical Meetings					6			0
Progress Meetings (if required by FDOT)		EA	0	0	0	<i>Attendance at Progress Meetings is manually entered on General Task</i>		--
Phase Review Meetings		EA	0	0	0	<i>Attendance at Phase Review Meetings is manually entered on General Task</i>		--
Total Meetings					6	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 9.12

Carries to Tab 3

9a. Str-Retaining Wall

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	Doug Hershey	

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							
	Key Sheet	Sheet	0	0	0	0	N/A
	Horizontal Wall Geometry	Per Wall	4	6		24	Four retaining walls: - Sta. 111+20 to Sta. 112+10 = 90 LF - Sta. 112+30 to Sta. 113+65 = 135 LF - Sta. 114+80 to Sta. 116+10 = 130 LF - Sta. 116+50 to Sta. 118+45 = 195 LF
Cast-in-Place Retaining Walls							
	Design	EA Design	2	12		24	Assume half of the walls require a concrete cantilever retaining wall design.
	Vertical Wall Geometry	EA Wall	4	12		48	Four unique walls.
	General Notes	Sheet	1	2	1	2	One sheet assumed for all four walls.
	Wall Plan and Elevations (Control Drawings)	Sheet	4	16	4	64	FDOT Standard Plans Instructions for Index 400-010 (CIP retaining wall) and 400-011 (Gravity wall) require wall control drawings satisfying the requirements of FDOT Structures Detailing Manual Section 19.2 and Florida Design
	Sections and Details	Sheet	1	16	1	16	One sheet assumed for all four walls.
	Reinforcing Bar List	Sheet	1	8	1	8	One sheet assumed for all four walls.

9a. Str-Retaining Wall

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Other Retaining Walls and Bulkheads							
	Design	EA Design	0	0		0	Temporary sheet pile walls are not included in the scope.
	Vertical Wall Geometry	EA Wall	0	0		0	N/A
	General Notes, Tables and Misc. Details	Sheet	0	0	0	0	N/A
	Wall Plan and Elevations	Sheet	0	0	0	0	N/A
	Details	Sheet	0	0	0	0	N/A
17. Structures - Retaining Walls Total					7	186	

9b. Structures Misc.

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.
440093-2-56-01

Representing	Print Name	Signature / Date
Pinellas County		
HW Lochner, Inc.	Doug Hershey	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Concrete Box Culvert							
	Concrete Box Culverts	EA	1	30		30	2-Celled Box Culvert over Long Branch Creek. Based on the anticipated cell size, the culvert is a bridge culvert (> 20 feet in length) and will require load rating
	Concrete Box Culverts Extensions	EA Extension	0	0		0	N/A
	Concrete Box Culvert Data Table Plan Sheets	Sheet	1	4	1	4	Box culvert data table
	Concrete Box Culvert Special Details Plan Sheets	Sheet	1	4	1	4	Load rating data sheet
Sign Structures							
	Multi-Post Sign Structures	EA Design	1	0		0	Multi-post sign structure design calculations
	Overhead Span Sign Structures	EA Design	0	0		0	
	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
	Monotube Overhead Sign Structure	EA Design	0	0		0	
	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
Light Poles							
	Light Poles Design	EA Design	1	0		0	Design of light pole to obtain loads and design of spread footing foundation for non-standard foundations
	Light Pole Sheets	Sheet	1	0	1	0	Spread footing drawing including details and general notes
18. Structures - Miscellaneous Total					3	38	

10. Geotechnical

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Test Lab, Inc.	Igon Kratser, P.E.	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Roadway					
35.1	Document Collection and Review	LS	1	4	4	Review published information - USDA/NRCS Soil Survey, USGS Topographic Maps & Geologic Review; Phase II Approx. 8,457 LF Segment
35.2	Develop Detailed Boring Location Plan	LS	1	3	3	Perform 5 foot auger borings along the trail corridor (staggered to cover swales/ditches and trail) at 300 ft spacing; Total of 28 borings (168 LF)
35.3	Stake Borings/Utility Clearance	Boring	28	0.3	8	Commute to the site and back, locate and stake boring locations, coordinate with locators
35.4	Muck Probing	Crew Day	1	8	8	Organic soils are likely present
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	1	1	1	
35.9	LBR/Resilient Modulus Sampling	EA	0	0	0	not anticipated
35.10	Coordination of Field Work	100 lf of boring	1.68	1	2	168 LF
35.11	Soil and Rock Classification - Roadway	100 lf of boring	1.68	2	3	168 LF
35.12	Design LBR	LS	0	0	0	
35.13	Laboratory Data	100 lf of boring	1.68	1	2	168 LF
35.14	Seasonal High Water Table	Boring	28	0.3	8	28 borings
35.15	Parameters for Water Retention Areas	EA	2	2	4	hydraulic conductivity, depth to confining layer, shgwt
35.16	Delineate Limits of Unsuitable Material	Cross-section	2	1	2	
35.17	Electronic Files for Cross-Sections	100 lf of boring	1.68	2	3	168 LF
35.18	Embankment Settlement and Stability	Embankment Boring	0	0	0	to be performed for gravity wall supported area as required
35.19	Monitor Existing Structures	LS	1	4	4	
35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	

10. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.21	Geotechnical Recommendations	LS	1	8	8	as required for support of design efforts
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	0	0	0	
35.23	Preliminary Roadway Report	LS	1	12	12	
35.24	Final Report	EA	1	10	10	
35.25	Auger Boring Drafting	100 lf boring	1.68	5	8	168 LF
35.26	SPT Boring Drafting	100 lf boring	0	0	0	
Roadway Geotechnical Subtotal					90	
Structures						
35.27	Develop Detailed Boring Location Plan	LS	1	2	2	The structures to included gravity walls at Sta.111+19 to 112+07, Sta.112+33 to 113+65, Sta.114+78 to 116+10, Sta.116+54 to 118+44 (9 (10 ft) SPT borings); box culvert with headwall and wing walls Sta.164+40 (2 (25 ft) SPT borings) - 140 LF
35.28	Stake Borings/Utility Clearance	Boring	11	0.75	8	
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	1	1	1	
35.30	Drilling Access Permits	Location	0	0	0	
35.31	Property Clearances	EA	0	0	0	
35.32	Collection of Corrosion Samples	EA	4	1	4	box culvert (water and soil); drainge structures (soil)
35.33	Coordination of Field Work	100 lf of boring	1.4	1	1	
35.34	Soil and Rock Classification - Structures	100 lf of boring	1.4	2	3	
35.35	Tabulation of Laboratory Data	100 lf of boring	1.4	1	1	
35.36	Estimate Design Groundwater Level for Structures	EA	5	0.5	3	gravity wall, culvert, head and wing walls
35.41	Walls	Wall Boring	4	3	12	wall stability analysis, shgwt evaluation, feasibility of utilization of FDOT scheme II gravity wall
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	0	0	
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	4	1	4	
35.44	Box Culvert Analysis	EA	4	2	8	
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	1	12	12	

10. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.48	SPT Boring Drafting	100 lf of boring	1.4	4	6	
35.49	Other Geotechnical	LS	0	0	0	
Structural Geotechnical Subtotal					65	
Geotechnical Technical Subtotal					155	
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	
35.51	Field Reviews	LS	1	8	8	
35.52	Technical Meetings	LS	1	4	4	Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	5%	8	
35.54	Supervision	LS	%	5%	8	
Geotechnical Nontechnical Subtotal					28	
35.55	Coordination	LS	%	3%	5	
35. Geotechnical Total					188	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	1	1	1			0
Boring Layout Approval	EA	2	1	2			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	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 35.52

Carries to Tab 3

14.OS Public Involvement Support

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
27.1	Public Involvement					
27.1.2	Notifications	LS	1	0	0	Includes the review draft notification letter and/or flyer for review by the County
27.1.7	Renderings and Fly Throughs	LS	1	16	16	
27.1.9	Public Meeting Preparations	LS	1	8	8	
27.1.10	Public Meeting Attendance/Followup	LS	1	8	8	
27.1.11	Other Agency Meetings	LS	1	8	8	Assume making presentation and preparation of minutes x meetings @ 4 hrs.
27. Public Involvement Subtotal					40	
27.6	Staff attending Meetings	LS	1	12	12	3 people @ x hrs
27. Public Involvement Support Total					52	

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, except for Photogrammetry.

15 OS Post Design

Estimator:

Pinellas Trail South Gap-Phase II -Segment 2: Pinellas Trail from 142nd Ave to Whitney Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
15.1	Engineer of Record Project Meetings	LS	1	44	44	See listing below
15.2	Post Design Services	LS	1	60	60	Assume xx hrs. for shop drawings review and xx hrs. to address RFI's
15.3	Plan Revisions	LS	1	16	16	
28. OS Post Design Tasks Total					120	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Progress Meetings	EA	26	1	26	Weekly construction meeting attendance assume 6 months
Field Reviews	EA	6	3	18	Field Meeting to discuss RFI's
Total Project Manager Meetings		32		44	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, except for Photogrammetry.

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: C & F Inc.
 Consultant No.:
 Date: 11/10/2022
 Estimator: MJF

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager 3	Chief Engineer 2	Senior Engineer 2	Senior Engineer 1	Chief Designer	Senior Designer	Secretary/Clerical	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$265.64	\$332.14	\$182.14	\$133.11	\$154.45	\$120.00	\$107.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
General Tasks	267	187	13	27	27	0	0	13	0	0	0	0	0	267	\$63,897	\$239.31
Trail Analysis	521	104	27	78	78	130	104	0	0	0	0	0	0	521	\$93,742	\$179.93
Trail Plans	215	11	0	22	22	75	85	0	0	0	0	0	0	215	\$31,641	\$147.17
Drainage Analysis	333	67	17	49	49	84	67	0	0	0	0	0	0	333	\$59,905	\$179.90
Drainage Plans	111	6	0	11	11	44	39	0	0	0	0	0	0	111	\$16,537	\$148.99
Utilities	60	27	3	6	9	0	0	15	0	0	0	0	0	60	\$12,067	\$201.11
Environmental Permitting	72	4	7	43	11	0	0	7	0	0	0	0	0	72	\$13,434	\$186.58
Traffic Analysis	52	10	3	8	8	13	10	0	0	0	0	0	0	52	\$9,383	\$180.44
Traffic Plans	14	1	0	1	1	6	5	0	0	0	0	0	0	14	\$2,108	\$150.54
OS Public Involvement Suport	52	28	3	8	8	0	0	5	0	0	0	0	0	52	\$11,492	\$221.00
OS Post Design Services	120	84	12	12	0	0	0	12	0	0	0	0	0	120	\$29,771	\$248.09
Total Staff Hours	1,817	529	85	265	224	352	310	52	0	0	0	0	0	1,817		
Total Staff Cost		\$140,523.56	\$28,231.90	\$48,267.10	\$29,816.64	\$54,366.40	\$37,200.00	\$5,571.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$343,976.88	\$189.31

Check = \$343,976.88

Survey Field Days by Subconsultant 4 - Person Crew:
--

SUB TOTAL:					\$302,714.04
SUBTOTAL ESTIMATED FEE:					
Subconsultant:	Test Labs Geotechnical Investigation				\$16,300.41
Subconsultant:	Universal Phase I Environmental Site Assess				\$767.00
Subconsultant:	Terra TectonicsLandscape Architecture				\$26,709.75
Subconsultant:	Locher				\$11,044.56
SUBTOTAL ESTIMATED FEE:					
Survey (Field)	0	3-person crew days @	\$ -	/ day	\$0.00
SUBTOTAL ESTIMATED FEE:					
Optional Services					\$0.00
Optional Services Public Involvement					\$11,492.04
Optional Post Design					\$29,770.80
GRAND TOTAL ESTIMATED FEE:					
					\$398,798.60

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: Lochner
 Consultant No.:
 Date: 11/10/2022
 Estimator: Kevin Conner/Doug Hershey

Staff Classification	Total Staff Hours From "SH Summary Firm"	Chief Engineer	Senior Engineer	Engineer 2	Engineering Intern	Chief Scientist	Environment al Specialist	Staff Classi- fication 8	Staff Classi- fication 8	Staff Classi- fication 9	Staff Classi- fication 10	Staff Classi- fication 11	Staff Classi- fication 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$255.75	\$223.91	\$175.99	\$107.06	\$225.00	\$99.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Environmental Permitting	68	0	0	0	0	34	34	0	0	0	0	0	0	68	\$11,045	\$162.42
Total Staff Hours	68	0	0	0	0	34	34	0	0	0	0	0	0	68		
Total Staff Cost		\$0.00	\$0.00	\$0.00	\$0.00	\$7,650.00	\$3,394.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$11,044.56	\$162.42

Check = \$11,044.56

Notes:

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

SALARY RELATED COSTS:					\$11,044.56
OVERHEAD:		0%			\$0.00
OPERATING MARGIN:		0%			\$0.00
FCCM (Facilities Capital Cost Money):		0.00%			\$0.00
EXPENSES:		0.00%			\$0.00
SUBTOTAL ESTIMATED FEE:					\$11,044.56
Survey (Field)	0	4-person crew	\$ -	/ day	\$0.00
Geotechnical Field and Lab Testing					\$0.00
SUBTOTAL ESTIMATED FEE:					\$11,044.56
Optional Services					\$0.00
GRAND TOTAL ESTIMATED FEE:					\$11,044.56

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: Terra Tectonics
 Consultant No.: #####
 Date: #####
 Estimator: Jonathan Toner

Staff Classification	Total Staff Hours From "SH Summary Firm"	Principal	CADD	Clerical	Staff Classification 4	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$176.25	\$75.00	\$70.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Landscape Analysis	98	69	20	9	0	0	0	0	0	0	0	0	0	98	\$14,296	\$145.88
Landscape Plans	85	60	17	8	0	0	0	0	0	0	0	0	0	85	\$12,414	\$146.05
Total Staff Hours	183	129	37	17	0	0	0	0	0	0	0	0	0	183		
Total Staff Cost		\$22,736.25	\$2,775.00	\$1,198.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$26,709.75	\$145.95

Notes:

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

Check =				\$26,709.75
SALARY RELATED COSTS:				\$26,709.75
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
SUBTOTAL ESTIMATED FEE:				\$26,709.75
Survey (Field)	0	4-person crew	\$ - / day	\$0.00
Geotechnical Field and Lab Testing				\$0.00
SUBTOTAL ESTIMATED FEE:				\$26,709.75
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$26,709.75

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.
 County: Pinellas
 FPN: 440093-2-56-01
 FAP No.: 1/0/1900

Consultant Name: Test Labs
 Consultant No.:
 Date: #####
 Estimator: Igon Kraster

Staff Classification	Total Staff Hours From "SH Summary Firm"	MAT Engineer Intern Home	MAT Engineering Technician Home	MAT GIS Specialist Home	MAT Project Manager Home	MAT Secretary/Clerical Home	MAT Senior Engineer Home	MAT Senior Engineering Technician Home	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
35. Geotechnical	106	21	16	13	16	3	21	16	0	0	0	0	0	106	\$9,703	\$91.54
Total Staff Hours	106	21	16	13	16	3	21	16	0	0	0	0	0	106		
Total Staff Cost		\$1,620.57	\$1,185.44	\$786.50	\$1,519.68	\$133.35	\$3,272.43	\$1,185.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$9,703.41	\$91.54

Check = \$9,703.41

Notes:

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

SALARY RELATED COSTS:				\$9,703.41
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
SUBTOTAL ESTIMATED FEE:				\$9,703.41
Survey (Field)	0	4-person crew	\$ - / day	\$0.00
Geotechnical Field and Lab Testing				\$6,597.00
SUBTOTAL ESTIMATED FEE:				\$16,300.41
Optional Services				\$0.00
GRAND TOTAL ESTIMATED FEE:				\$16,300.41



GEOTECHNICAL & MATERIALS
ENGINEERING, TESTING & INSPECTION

Published Fee Schedule

Standard Items and Item Descriptions for Geotechnical and Materials firms

Item #	Item Description	Unit	Cost Per Unit	# of Units	Cost
Drilling and Field Testing					
401	Geo Auger Borings-H& & Truck/Mud Bug	LF	\$10.80	50	\$540.00
418	Geo Drill Crew Support Vehicle	Day	\$176.00	3	\$528.00
432	Geo Field Permeability 0-10 Ft Open-End Boreho	Each	\$350.00	2	\$700.00
440	Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	LF	\$6.00	40	\$240.00
478	Geo SPT Truck/Mud Bug 0-50 Ft	LF	\$14.60	40	\$584.00
488	Geo Temp Casing 3in Truck/Mud Bug 0-50 Ft	LF	\$9.39	0	\$0.00
612	Mobilization Drill Rig Truck Mount	Each	\$500.00	1	\$500.00
Laboratory Testing					
805	Soils Corrosion Series FM 5-550 through 5-553	Test	\$220.00	2	\$440.00
810	Soils Limerock Bearing Ratio (LBR) FM 5-515	Test	\$375.00	2	\$750.00
811	Soils Liquid Limit AASHTO T89	Test	\$60.00	6	\$360.00
812	Soils Materials Finer than 200 Sieve FM 1-T011	Test	\$55.00	5	\$275.00
817	Soils Moisture Content Lab AASHTO T265	Test	\$20.00	10	\$200.00
819	Soils Organic Content Ignition FM 1 T-267	Test	\$50.00	4	\$200.00
822	Soils Particle Size Anlys AASHTO T88 (No Hydrom	Test	\$80.00	10	\$800.00
826	Soils Plastic Limit & Plasticity Index AASHTO T90	Test	\$80.00	6	\$480.00

Project Activity 1: General Tasks

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
1.0	Public Involvement					
1.1	Notifications	LS	1	8	8	Assume notification letters that will be sent by the County.
1.2	Driveway Modification Letters	LS	1	0	0	N/A
1.3	Other Agency Meetings	LS	1	32	32	Assume making presentation and preparation of minutes 4 meetings @ 4 hr.
1.1 Public Involvement Subtotal					40	

Project Activity 1: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
1.4	Contract Maintenance and Project Documentation	LS	1	124	124	20 hr. setup & 24 months 4 hr / month & Final Documentation
1.5	Prime Consultant Project Manager Meetings	LS	1	84	84	See listing below
1.6	Digital Delivery	LS	1	19	19	7 hrs setup 4 EOR's @ 4 hr per signature
1. Project Common and Project General Tasks Total					267	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Progress Meetings	EA	21	4	84	See Scope of services
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
Total Project Manager Meetings		21		84	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, except for Photogrammetry.

Project Activity 2: Trail Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
2.1	Pavement Type Selection Report	LS	1	4	4	Review alternative pavement options
2.2	Horizontal /Vertical Master Design Files	LS	1	177.5	178	((0.58 miles trail+ driveway .15 miles access)* 150 hrs/mi) + (1 mid block crossings *8 hrs) + (10 Utils *2 hrs * 3 submittals for conflict resolution)
2.3	Cross Section Design Files	LS	1	107.7	108	3D Modeling Efforts: 15% L & G/60% Plans: - Duke Energy Esmt. 0.58 mi: 20hrs/mi x 0.58 mi - Driveway Access 0.15 mi:60 hrs/mi x 0.15 mi - Existing Feature Modeling: 32 hrs 100% Plans: - Duke Energy Esmt. & Driveway Access 30 hrs/mi x 0.58 mi Final Plans: -- Duke Energy Esmt. & Driveway Access 30 hrs/mi x 0.58 mi Cross Sections: 0.58 mi x35 hrs/mi
2.4	Temporary Traffic Control Plan Analysis	LS	1	12	12	Whitney Road and Cardinal Drive signage
2.5	Tree Disposition Plan	LS	1	12	12	Coordinate tree removals with County arborist Staff
2.6	Design Report	LS	1	12	12	Design Documentation
2.7	Quantities	LS	1	32	32	
2.8	Cost Estimate	LS	4	6	24	4 Engineers Estimate update 8 hrs/update
2.9	Driveway Harmonization	LS	1	0	0	N/A
2.10	Other Roadway Analyses	LS	1	24	24	15% Line and Grade Submittal
Trail Analysis Technical Subtotal					406	

Project Activity 2: Trail Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
2.11	Field Reviews	LS	2	4	8	2 field reviews 1 staff * 4 hrs each field review
2.12	Technical Meetings	LS	2	4	8	2 staff * 4 hrs each Technical meeting
	Quality Assurance/Quality Control	LS	%	7%	28	
	Supervision	LS	%	5%	20	
Trail Analysis Nontechnical Subtotal					105	
	Coordination	LS	%	2%	10	
2. Trail Analysis Total					521	

Project Activity 13: Trail Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing		Print Name	Signature / Date
County			
Consultant Name		Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
13.1	Key Sheet		Sheet	1	8	8	
13.2	Typical Section Sheets						
13.3	Typical Sections		EA	4	6	24	Assume 4 Trail, Trail with Heavy Equipment, Trail with Cardnail Drive & Trail with Access Driveway
13.4	Typical Section Details		EA	1	0	0	
13.5	General Notes/Pay Item Notes		Sheet	1	8	8	Including notes to reviewers
13.6	Project Layout		Sheet	1	0	0	N/A
13.7	Plan/Profile Sheet		Sheet	6	6	36	4980/560' per sheet 40 scale = 6 sheets
13.15	Special Details		EA	2	4	8	Assume 2 special detail
13.16	Cross-Section Pattern Sheets		Sheet	0	0	0	N/A
13.17	Roadway Soil Survey Sheets		Sheet	2	2	4	Incorporate from Geo Tech
13.18	Cross Sections		EA	61	0.3	18	
13.19	Temporary Traffic Control Plan Sheets		Sheet	2	5	10	2 sheets
13.22	Utility Adjustment Sheets		Sheet	6	4	24	Shown on Roadway sheets
13.26	Tree Disposition Sheets						
13.27	Tree Disposition Plan Sheets		Sheet	0	0	0	N/A
13.28	Tree Disposition Plan Tables and Schedules		Sheet	1	4	4	Tree table
13.29	Project Control Sheets		Sheet	0	0	0	
13.30	Environmental Detail Sheets		Sheet	0	0	0	
13.31	Summary of Quantities		Sheet	12	4	48	
Trail Plans Technical Subtotal						192	
	Quality Assurance/Quality Control		LS	%	7%	13	
	Supervision		LS	%	5%	10	
13.Trail Plans Total						215	

Project Activity 3: Drainage Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Drainage Map Hydrology	Per Map	1	12	12	Develop a working drainage map showing drainage basin data needed to define the system hydrology and project area.
3.2	Base Clearance Analysis	Per Location	5	4	20	Analysis 5 areas duke easement, contiguous wetlands and flood plain areas
3.3	Design of Cross Drains	EA	2	6	12	Assume 2 in Duke Easement
3.4	Design of Ditches/Swailes	Per Ditch Mile	0.58	15	9	Assume the trail will require a swale = 0.58 mile
3.5	Design of Floodplain Compensation	Per Floodplain Basin	1	40	40	Demonstrate that no impact to Pinellas County floodplain
3.6	Design of Storm Drains	EA	25	2	50	assume 25 Drainage Structures (Every 150 ft a drainage structure and 6 structures to tie to existing outfall)
3.7	Drainage Design Documentation Report	LS	1	120	120	Add ICPR pre vs. post analysis of existing outfall drainge system and adjustment request for nutrient loading & BMPs..
3.8	Existing Permit Analysis	LS	1	6	6	Assume need to review existing permits
3.9	Other Drainage Analysis	LS	0	0	0	N/A
Drainage Analysis Technical Subtotal					269	
3.10	Field Reviews	LS	1	8	8	Assume 2 site visits 1 people at 4 hrs.
3.11	Technical Meetings	LS	1	8	8	Meetings are listed in the scope
	Quality Assurance/Quality Control	LS	%	7%	19	
	Supervision	LS	%	5%	13	
Drainage Analysis Nontechnical Subtotal					48	
	Coordination	LS	%	5%	16	
3. Drainage Analysis Total					333	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Other Meetings	EA	2	4	8	2 Meetings listed in the scope		0
Total Meetings				8	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 6a.24

Carries to Tab 3

13. Drainage Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
13.1a	Drainage Map (Including Interchanges)	100'=1"	Sheet	3	12	36	3062'/1400' per sheet assume 3 sheets
13.2a	Summary of Drainage Structure Sheets		Sheet	1	8	8	
13.3a	Optional Materials Tabulations		LS	1	0	0	N/A
13.4a	Drainage Structures		LS	1	37	37	Assume 25 structures @ 12 hrs to setup & 1 hrs per structure
13.5a	Lateral Ditch Cross Sections		EA	0	0	0	N/A
13.6a	Retention/Detention Ponds Detail Sheets		Sheet	0	0	0	N/A
13.7a	Retention Pond Cross Sections		EA	0	0	0	N/A
13.8a	Erosion Control Plan Sheets	100'=1"	Sheet	3	2	6	
13.9a	SWPPP Sheets		Sheet	3	4	12	
Drainage Plans Technical Subtotal						99	
	Quality Assurance/Quality Control		LS	%	7%	7	
	Supervision		LS	%	5%	5	
13a. Drainage Plans Total						111	

4. Utilities

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.
440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Preliminary Utility Meeting	LS	1	4	4	Meeting is listed below
4.2	Individual/Field Meetings	LS	1	8	8	Meetings are listed below
4.3	Collect and Review Plans and Data from UAO(s)	LS	1	10	10	Assume 10 utilities @ 1 hr. per utility
4.4	Utility Markups & Work Schedules, and Plan Adjustments	LS	1	8	8	Meetings are listed below
4.5	Utility Coordination/Followup	LS	1	0	0	
4.6	Utility Constructability Review	LS	1	10	10	Assume 10 utilities @ 1 hr. per utility
4.7	Certification/Close-Out	LS	1	20	20	Assume 10 utilities @ 2 hr. per utility
4. Utilities Total					60	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	1	4	4			0
Preliminary Meeting (see 7.5)	EA	1	4	4			0
Individual UAO Meetings (see 7.6)	EA	2	4	8			0
Design Meeting (see 7.9)	EA	2	4	8			0
Total Meetings				24	Total Project Manager Meetings		0

Carries to Tab 3

Project Activity 5: Environmental Permits

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

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						
5.1	Preliminary Project Research	LS	1	8	8	
Permits						
Complete And Submit All Required Permit Applications						
5.2	Complete and Submit All Required Permit Applications	LS	1	10	10	Submit 1 permit all 3 sections
5.3	Coordinate and Review Floodplain Cut and Fill Sketches	LS	1	24	24	Demonstrate that no impact to Pinellas County floodplain
5.4	Other Environmental Permits	LS	1	16	16	Pinellas County Stormwater review
Environmental Clearances/Reevaluations						
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal					58	
5.5	Technical Meetings	LS	1	4	4	Meetings are listed below
	Quality Assurance/Quality Control	LS	%	7%	4	
	Supervision	LS	%	5%	3	
Environmental Permits and Environmental Clearances Nontechnical Subtotal					11	
	Coordination	LS	%	5%	3	
5. Environmental Permits and Environmental Clearances Total					72	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	4	4			0
Subtotal Technical Meetings				4		Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
Total Meetings				4		Total Project Manager Meetings	0

Carries to 8.17

Carries to Tab 3

Project Activity 6: Traffic Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
6.1	System Timings	LS	1	0	0	N/A
6.2	Reference and Master Signalization Design File	PI	1	0	0	N/A
6.3	Signing and Pavement Marking Master Design File	LS	1	38	38	12 hrs setup +45 hrs/mile * 0.58 mile =38 hrs
6.4	Sign Panel Design Analysis	EA	1	0	0	N/A
Traffic Analysis Technical Subtotal					38	
6.5	Field Reviews	LS	1	8	8	2 field meetings 1 people at 4 hrs
	Quality Assurance/Quality Control	LS	%	7%	3	
	Supervision	LS	%	5%	2	
Traffic Analysis Nontechnical Subtotal					13	
	Coordination	LS	%	2%	1	
6.Traffic Analysis Total					52	

Carries to 19.12

Carries to Tab 3

Project Activity 13b: Traffic Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13b.1	Key Sheet		Sheet	0	0	0	0	N/A
13b.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	General Notes/Pinellas County Trail Standards add to plans
13b.3	Plan Sheet		Sheet	0	0	0	0	N/A
13b.4	Typical Details		EA	0	0		0	N/A
13b.5	Guide Sign Worksheets		EA	1	0		0	N/A
13b.6	Traffic Monitoring Site		EA	0	0		0	N/A
13b.7	Cross Sections		EA	0	0		0	N/A
13b.8	Special Service Point Details		EA	0	0		0	N/A
13b.9	Special Details		LS	1	8		8	Trail Head detail in plans assume 1 sheet
13b.10	Interim Standards		LS	1	0		0	N/A
Traffic Plans Technical Subtotal						1	12	
	Quality Assurance/Quality Control		LS	%	7%		1	
	Supervision		LS	%	5%		1	
13b. Traffic Plans Total						1	14	

8. Env Permit(WetlandSpecies)

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Kevin Connor	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Environmental Permits and Environmental Clearances						
8.1	Preliminary Project Research	LS	1	4	4	Project research
Permits						
8.2	Field Work					
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	16	16	2 people x 1 day (Field Work)
8.2.3	Species Surveys	LS	1	0	0	Included as part of 8.2.2
8.3	Agency Verification of Wetland Data	LS	1	4	4	4 hour field review with prep and coordination
8.4	Complete And Submit All Required Permit Applications					
8.4.1	Complete and Submit All Required Permit Applications	LS	1	24	24	Preparation of environmental documentation for ERP permitting exemption
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	4	4	Review of Wetland Impact Sheets created as part of 13.30
8.6	Prepare USCG Permit Application	LS	1	0	0	N/A
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	N/A
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	N/A
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	N/A
8.10	Compensatory Mitigation Plan	LS	1	0	0	N/A

8. Env Permit(WetlandSpecies)

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.11	Mitigation Coordination and Meetings	LS	1	4	4	Coordination with County if mitigation required
8.12	Other Environmental Permits	LS	1	0	0	N/A
	Environmental Clearances/Reevaluations					

8. Env Permit(WetlandSpecies)

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal					56	
8.17	Technical Meetings	LS	1	4	4	Meetings are listed below
8.18	Quality Assurance/Quality Control	LS	%	7%	4	
8.19	Supervision	LS	%	5%	3	
Environmental Permits and Environmental Clearances Nontechnical Subtotal					11	
8.20	Coordination	LS	%	2%	1	
8. Environmental Permits and Environmental Clearances Total					68	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	2	2			0
USACE/FDEP (Sec 404)	EA	1	2	2			0
Subtotal Technical Meetings				4	Subtotal Project Manager Meetings		0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				4	Total Project Manager Meetings		0

10. Geotechnical

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
FDOT District		
Test Lab, Inc.	Igon Kratser, P.E.	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Roadway					
35.1	Document Collection and Review	LS	1	4	4	Review published information - USDA/NRCS Soil Survey, USGS Topographic Maps & Geologic Review; Phase II Approx. 3,056 LF Segment
35.2	Develop Detailed Boring Location Plan	LS	1	3	3	Perform 5 foot auger borings along the trail alignment at 300 ft spacing; Total of 10 borings (50 LF)
35.3	Stake Borings/Utility Clearance	Boring	10	0.3	3	Commute to the site and back, locate and stake boring locations, coordinate with locators
35.4	Muck Probing	Crew Day	1	4	4	Organic soils are likely present
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	1	1	1	
35.6	Drilling Access Permits	Location	0	0	0	
35.7	Property Clearances	EA	0	0	0	
35.8	Groundwater Monitoring	EA	0	0	0	
35.9	LBR/Resilient Modulus Sampling	EA	0	0	0	not anticipated
35.10	Coordination of Field Work	100 lf of boring	0.5	1	1	50 LF
35.11	Soil and Rock Classification - Roadway	100 lf of boring	0.5	2	1	50 LF
35.12	Design LBR	LS	0	0	0	
35.13	Laboratory Data	100 lf of boring	0.5	1	1	50 LF
35.14	Seasonal High Water Table	Boring	10	0.3	3	10 borings
35.15	Parameters for Water Retention Areas	EA	1	2	2	hydraulic conductivity, depth to confining layer, shgwt
35.16	Delineate Limits of Unsuitable Material	Cross-section	2	1	2	
35.17	Electronic Files for Cross-Sections	100 lf of boring	5	2	10	50 LF
35.18	Embankment Settlement and Stability	Embankment Boring	0	0	0	to be performed for gravity wall supported area as required
35.19	Monitor Existing Structures	LS	1	2	2	

10. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	
35.21	Geotechnical Recommendations	LS	1	4	4	as required for support of design efforts
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	0	0	0	
35.23	Preliminary Roadway Report	LS	1	10	10	
35.24	Final Report	EA	1	8	8	
35.25	Auger Boring Drafting	100 lf boring	0.5	5	3	50 LF
35.26	SPT Boring Drafting	100 lf boring	0	0	0	
Roadway Geotechnical Subtotal					62	
	Structures					
35.27	Develop Detailed Boring Location Plan	LS	1	2	2	The structures to included gravity walls at Sta.318+40 to 324+20 (4 (10 ft) SPT borings) - 40 LF
35.28	Stake Borings/Utility Clearance	Boring	4	0.75	3	
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	1	1	1	
35.30	Drilling Access Permits	Location	0	0	0	
35.31	Property Clearances	EA	0	0	0	
35.32	Collection of Corrosion Samples	EA	2	1	2	drainge structures (soil)
35.33	Coordination of Field Work	100 lf of boring	0.4	2	1	
35.34	Soil and Rock Classification - Structures	100 lf of boring	0.4	2	1	
35.35	Tabulation of Laboratory Data	100 lf of boring	0.4	2	1	
35.36	Estimate Design Groundwater Level for Structures	EA	1	0.5	1	gravity wall
35.37	Selection of Foundation Alternatives (BDR)	Bridge boring	0	0	0	
35.38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	0	0	0	
35.39	Bridge Construction and Testing Recommendations	Bridge boring	0	0	0	
35.40	Lateral Load Analysis (Optional)	Bridge boring	0	0	0	
35.41	Walls	Wall Boring	1	3	3	wall stability analysis, shgwt evaluation, feasibility of utilization of FDOT scheme II gravity wall
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	0	0	
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	0	0	0	

10. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.44	Box Culvert Analysis	EA	0	0	0	
35.45	Preliminary Report - BDR	EA	0	0	0	
35.46	Final Report - Bridge and Associated Walls	EA	0	0	0	
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	1	8	8	
35.48	SPT Boring Drafting	100 lf of boring	0.4	4	2	
35.49	Other Geotechnical	LS	0	0	0	
Structural Geotechnical Subtotal					25	
Geotechnical Technical Subtotal					87	
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	
35.51	Field Reviews	LS	1	4	4	
35.52	Technical Meetings	LS	1	4	4	Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	5%	4	
35.54	Supervision	LS	%	5%	4	
Geotechnical Nontechnical Subtotal					16	
35.55	Coordination	LS	%	3%	3	
35. Geotechnical Total					106	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	1	1	1			0
Boring Layout Approval	EA	2	1	2			0
Attend in BDR Review Meeting	EA	0	0	0			0
30/60/90% Submittal Review	EA	0	0	0			0
Other Meetings	EA	1	1	1			0
Subtotal Technical Meetings				4		Subtotal Project Manager Meetings	0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				4	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 35.52

Carries to Tab 3

Project Activity 12: Landscaping Analysis

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name	Terra Tectonics design group	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
25.1	Data Collection	LS	1	4	4	
25.1	Field Reviews	LS	1	8	8	feild review
25.2	Site Inventory and Analysis					
25.2a	Selective Clearing and Grubbing Site Inventory	LS	1	3	3	
25.2b	Inventory and Analysis	LS	1	2	2	
25.2c	Vegetation Disposition Plan					
25.2c 1	Vegetation Disposition Plan- Mainline	Per mainline mile	0.58	2	1	
25.2c 2	Vegetation Disposition Plan- Interchange	Per interchange	0	0	0	
25.3	Planting Design					
25.3a	Conceptual Planting Design					
25.3a 1	Report Preparation	LS	1	6	6	
25.3a 2	Mainline	Per mainline mile	0.58	2	1	
25.3a 3	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.3a 4	Toll Plazas	EA	0	0	0	
25.3b	Final Planting Design					
25.3b 1	Master Design File Creation	LS	1	4	4	
25.3b 2	Mainline	Per mainline mile	0.58	3	2	
25.3b 3	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.3b 4	Toll Plazas	EA	0	0	0	

Project Activity 12: Landscaping Analysis

25.5	Hardscape Design					
25.5a	Conceptual Hardscape Design	Per mainline mile	0.58	2	1	concepts and examples
26.5b	Final Hardscape Design	Per mainline mile	0.58	1	1	concepts and examples
25.6	Roll Plots	EA	1	4	4	
25.7	Landscape Quantities for EQ Report	Project Complexity	Low Range	Calculated Hours 20	4	
25.8	Cost Estimates	LS	1	6	6	
25.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
25.10	Inspection Services	LS	1	0	0	
25.11	Other Landscape Services	LS	1	0	0	
25.12	Outdoor Advertising	EA	0	0	0	
Landscape Analysis Technical Subtotal					47	
25.14	Field Reviews	LS	1	6	6	
25.15	Technical Meetings / Public Meetings	LS	1	35	35	Meetings are listed below
25.16	Quality Assurance/Quality Control	LS	%	7%	3	
25.17	Independent Peer Review	LS	%	0%	0	
25.18	Supervision	LS	%	5%	2	
Landscape Analysis Nontechnical Subtotal					46	
25.19	Project Coordination	LS	%	2%	2	
25.20	Interdisciplinary Coordination	LS	%	3%	3	
25. Landscape Analysis Total					98	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours
FDOT (kickoff, concept review)	EA	1	1	1
Maintaining Agency (cities, counties)	EA	1	4	4
Utility Owners	EA	1	4	4
Local Agency for Tree Removal	EA	1	2	2
Local Citizen Group(s)	EA	1	4	4
Other Meetings	EA	2	4	8
Subtotal Technical Meetings				23
Progress Meetings (if required by FDOT)	EA	0	0	0
Phase Review Meetings	EA	3	4	12
Total Meetings				35

Project Activity 13: Landscaping Plans

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Project Parameter			Staff Hours			
		Description	Units	Complexity	Calculated	County	Consultant	Negotiated
26.1	Key Sheet		0		0	0	0	
	Signature Sheet		1		0	2	2	
26.2	Plant Schedule (Sheet no longer produced)							
26.3	General Notes/Pay Item Notes		1		0	10	10	
26.4	Planting Plans For Linear Areas	Length (Miles)	0.58		0	40	40	
26.5	Planting Plans for Non-Linear Areas (Stormwater Facilities, Rest Areas, Interchanges, & Toll Plazas)	Area (Acre)	0.00		0	0	0	linear plantings next to trail & residence only
26.6	Planting Details	Details	2		8	12	12	
26.7	Irrigation Plans for Linear Areas	Length (Miles)	0.00		0	0	0	
26.8	Irrigation Plans for Non-Linear Areas (Stormwater Facilities, Rest Areas, Interchanges, & Toll Plazas)	Area (Acre)	0.00		0	0	0	
26.9	Irrigation Details	Details	0		0	0	0	
26.10	Hardscape Plans		1		0	0	0	
26.1	Maintenance Plan		1		0	12	12	
Landscape Plans Technical Hours Subtotal					8	76	76	
26.12	Quality Assurance/Quality Control	%	1	7%	0		5	
26.13	Supervision	%	1	5%	0		4	
26. Landscape Plans Total							85	

14.OS Public Involvement Support

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name	Matthew Fabrizio	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
27.1	Public Involvement					
27.1.2	Notifications	LS	1	0	0	Includes the review draft notification letter and/or flyer for review by the County
27.1.7	Renderings and Fly Throughs	LS	1	16	16	
27.1.9	Public Meeting Preparations	LS	1	8	8	
27.1.10	Public Meeting Attendance/Followup	LS	1	8	8	
27.1.11	Other Agency Meetings	LS	1	8	8	Assume making presentation and preparation of minutes x meetings @ 4 hrs.
27. Public Involvement Subtotal					40	
27.6	Staff attending Meetings	LS	1	12	12	3 people @ x hrs
27. Public Involvement Support Total					52	

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, except for Photogrammetry.

15. OS Post Design

Estimator:

Pinellas Trail South Gap-Phase II -Segment 3: Pinellas Trail from Whitney Rd. to Haines Bayshore Rd.

440093-2-56-01

Representing	Print Name	Signature / Date
County		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
15.1	Engineer of Record Project Meetings	LS	1	44	44	See listing below
15.2	Post Design Services	LS	1	60	60	Assume xx hrs. for shop drawings review and xx hrs. to address RFI's
15.3	Plan Revisions	LS	1	16	16	
28. OS Post Design Tasks Total					120	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Progress Meetings	EA	26	1	26	Weekly construction meeting attendance assume 6 months
Field Reviews	EA	6	3	18	Field Meeting to discuss RFI's
Total Project Manager Meetings		32		44	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, except for Photogrammetry.

Exhibit C



UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences
Geophysical Services • Construction Materials Testing • Threshold Inspection
Building Inspection • Plan Review • Building Code Administration

LOCATIONS:

- Atlanta
- Daytona Beach
- Fort Myers
- Fort Pierce
- Gainesville
- Jacksonville
- Miami
- Ocala
- Orlando (Headquarters)
- Palm Coast
- Panama City
- Pensacola
- Rockledge
- Sarasota
- St. Petersburg
- Tampa
- Tifton
- West Palm Beach

September 12, 2022

Cumbey & Fair, Inc.
2463 Enterprise Road
Clearwater, FL 33763

Attn: Mr. Matthew Fabrizio

Reference: **PHASE I ENVIRONMENTAL SITE ASSESSMENT PROPOSAL**
Pinellas Trail South Gap Phase II
Ulmerton Road to Haines Bayshore Road
Clearwater, Pinellas County, FL
UES Opportunity No.: 1185.0922.00013

Dear Mr. Fabrizio,

Universal Engineering Sciences (UES) is pleased to provide this proposal to conduct Phase I Environmental Site Assessments (ESA) at the above referenced site (the "subject property"). The purpose of the Phase I ESA's are to identify, to the extent possible, recognized environmental conditions (RECs) as defined in American Society for Testing and Materials (ASTM) Standard E1527-13, which is consistent and compliant with the United States Environmental Protection Agency's (USEPA) final "All Appropriate Inquiry (AAI)" rule (effective November 1, 2006). UES will use the ASTM International Standard Practice E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, as a guideline to conduct this assessment. The USEPA has determined that the ASTM E1527-13 Standard is "consistent with the requirements for conducting AAI into the previous ownership and uses of a property consistent with good commercial or customary practice" as defined in 42 U.S.C. §9601(35)(B). This practice also permits the user to satisfy one of the requirements to qualify for "landowner liability protections (LLPs)" under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

We understand that the subject property consists of approximately 4 miles of land currently used as easement areas and or County roadways. If evidence of RECs is identified, we will inform you of such findings and further assessment of the subject property may be warranted.

SCOPE OF SERVICES

The Phase I ESA's will be conducted to provide an independent, professional opinion regarding RECs, as defined by ASTM, associated with the subject property. The term "*recognized environmental condition*" is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include "*de minimis*" conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be "*de minimis*" are not considered RECs.

The Phase I ESA's scope of services will follow ASTM E 1527-13 guidelines and will include:

1. A review of environmental records to assess past uses and the potential for past onsite and offsite petroleum products or hazardous waste discharge or disposal. This includes information required by the ASTM Standard with respect to "User Responsibilities" as well as other information provided by the client or property owner/operator. A list of "Helpful Documents" is presented as an attachment to this proposal in order to help facilitate the distribution of information to UES.
2. A site reconnaissance of the subject property and surrounding area to assess for the following at a minimum:
 - Existing or potential soil and water contamination, as evidenced by soil or pavement
 - staining, stressed/dead vegetation, or indications of waste dumping or burial;
 - Pits, ponds, lagoons, or depressed areas;
 - Storage containers holding hazardous substances or petroleum products;
 - Electrical and hydraulic equipment that may contain polychlorinated biphenyls (PCBs),
 - such as electrical transformers and hydraulic lifts; and,
 - Underground and aboveground storage tanks (USTs and ASTs).
3. Review readily available information on general geology and topography of the subject property and surrounding area, local groundwater conditions, and proximity to ecologically sensitive receptors, such as streams, lakes, or other surface water bodies. We will also identify sources of water, power, and sewer service at the subject property.
4. Investigate historical uses of the subject property through reasonably ascertainable ASTM Standard historical sources for evidence of prior land use that could have lead to RECs. These Standard historical sources may include: aerial photographs, United States Geological Survey

topographic maps, fire insurance maps, local street directories, property tax files, building department records, and zoning/land use records. It should be noted that unless specifically included as an option to this proposal, this will not include obtaining Recorded Land Title Records, including Environmental Liens or Activity and Use Limitations (AULs), or a formal chain-of-title.

5. Review of a commercial database summary of ASTM Standard Federal, State, Local, and Tribal regulatory agency records pertinent to the subject property and offsite facilities located within the ASTM-specified search distances from the subject property boundaries.
6. Review of reasonably ascertainable Federal, State, Local, and Tribal environmental agency case files/records for onsite and adjoining facilities identified in the database summary report that have the potential to adversely impact the subject property. It should be noted that access and retrieval of such files or documents related to the scope of services is limited to the availability of records upon request from governmental agencies or commercial sources within the time frame proposed for this assessment. Depending on the availability and number of records to be reviewed, additional charges may apply to the fee presented under this proposal to obtain and review such files. The fee presented in this proposal assumes the review of up to 300 pages of agency case files/records and historical reports. UES will address additional requirements/fees under a contract change order, if warranted.
7. UES will make a reasonable attempt to interview at least one staff member of each of the following agencies: local fire department, local health department, local building department, and State/local environmental regulatory agency.
8. Interview the subject property owner or operator and occupants, as available, regarding current and previous uses of the subject property. Past owners, operators and occupants will also be interviewed to the extent they are identified and available through reasonable attempts of contact.
9. Perform a subject property line visual assessment of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property. This inspection will be conducted from accessible areas of the subject property and from public access areas only and UES will not access any surrounding properties for assessment purposes.
10. A written report will be prepared for the subject property that documents our work performed, the results of the assessment, conclusions, and recommendations as warranted by the data and will be submitted to the client in final electronic format. This report will conclude with UES' opinion regarding the presence of RECs associated with the subject property. The report will include recommendations for additional assessment/investigation, as warranted, based on the findings of the Phase I ESA. Unless specifically noted in the proposal, no draft report will be issued. Activities performed by UES under this scope of services will be conducted under the responsible charge of an Environmental Professional, as defined in ASTM Practice E 1527-13.

During the site walkthrough, if access is limited or safety concerns prohibit entry to the subject property or onsite structures, or if direct observation of the subject property is restricted, such as by dense vegetation or ground cover, UES will make an effort to contact you for further direction.

The scope of services does not include soil or groundwater sampling, contamination assessment/delineation, or an evaluation of non-ASTM activities such as asbestos containing building materials, lead based paint, lead in drinking water, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, indoor air quality, radon, site geotechnics (soils, foundations, site retention, etc.), wetlands, endangered species, or construction materials testing UES can provide these additional services, if desired, under a separate contract.

REQUIRED USER INFORMATION

To successfully complete the proposed Phase I ESA in accordance with the ASTM E1527-13 Standard, it is the Users responsibility to provide UES with the following: site contact information; current property owner; environmental lien report; legal description of the subject property and parcel identification number, tax map and/or plot plan, and completed User Questionnaire (see attachment to this proposal). In order to facilitate project completion, the User Questionnaire should be completed and returned to UES at the same time this proposal is authorized. This User Questionnaire will be included in the Phase I ESA report, and will assist in satisfying the “User Responsibilities” portion of the ASTM Standard. Incomplete or missing information could be considered a significant data gap and could result in a determination that AAI is not complete for the assessment. For an additional charge, we will obtain the environmental lien report from a subcontractor in order to determine the existence of environmental cleanup liens or AULs against the subject property. A link for the User Questionnaire is provided below. It can be completed on your computer or smart phone. A fillable User Questionnaire is provided at the end of the proposal following the General Conditions. A link for the User Questionnaire is also provided below. It can be completed on your computer or smart phone.

https://ues.formstack.com/forms/astm_e1527_13_phase_i_esa_user_questionnaire

SCHEDULE

We understand the time sensitive nature of this assessment. Following written authorization to proceed, UES will deliver the report in 3 weeks. If your schedule needs should change, please advise us and we will make every attempt to adjust to your requested changes. It should also be noted that information that is on file with government/regulatory agencies may not be made available to UES within the proposed schedule of this assessment. If this is the case, UES will contact you to provide an update on the delivery of such documents and obtain your authorization to extend the schedule presented above. In certain situations, UES may be able to provide an addendum letter after the final Phase I ESA report has been issued, depending on the relevance of the findings of the files reviewed.

FEES

We propose to conduct the Phase I Environmental Site Assessment for a Lump Sum Fee of **\$2,300.00**. An Environmental Lien Search (ELS), which is required to meet the requirements of AAI (40 CFR 312.20 and 312.25) can be provided for an additional fee of **\$150.00** for a single tax parcel or single deed including multiple tax parcels. Please note that this is not a formal chain-of title report.

This proposal shall remain effective for sixty (60) days. Should you require more than sixty (60) days to formally authorize us to proceed we will require an update of our proposal to account for any changes in the scope of services and associated fees. If you would like us to proceed, please sign the enclosed Work Authorization/Proposal Acceptance Form and return one copy to UES for our files. This proposed scope of services and associated fee will be conducted in accordance with our Terms and Conditions (see attachment to this proposal).

This fee estimate includes an electronic copy of the Phase I ESA report being submitted upon project completion. Hard copies can be provided upon request. Compiling and shipping of hard copies via overnight delivery service will be provided at the client's request at cost plus 15%.

Universal Engineering Sciences appreciates this opportunity to offer our services and we are looking forward to the assignment. If you have questions or comments regarding the information in this proposal or if we can be of further assistance, please do not hesitate to contact the undersigned.
Respectfully submitted,

Respectfully submitted,
UNIVERSAL ENGINEERING SCIENCES



Vanessa LeGros
Environmental Scientist
Sarasota/St. Petersburg Office
(727) 209-1500
VLeGros@universalengineering.com

Distribution: Client via email

Enclosures: Helpful Documents
Work Authorization/Proposal Acceptance Form
UES Terms and Conditions
ASTM User Questionnaire

HELPFUL DOCUMENTS

It is your obligation to provide current or historical documents regarding environmental conditions at the subject property. Listed below are some examples of the types of documents that will help us complete the Phase I Environmental Site Assessment (ESA):

- Recorded Environmental Liens (required)
- Recorded Activity and Use Limitations (required)
- Prior Phase I ESA reports
- Transaction Screen reports
- Phase II ESA reports, including subsurface investigations
- Phase III Cleanup or Remediation documentation
- Risk Assessment reports
- Geotechnical Investigation reports
- Environmental Compliance Audit reports
- Maps showing property boundary, assessors' parcel number, and major subject property features (including ALTA Survey or Plat of Survey)
- Legal description
- Aerial photographs and fire insurance maps
- Underground/Aboveground Storage Tank (UST/AST) registrations, installation dates, construction type, capacity, location, etc.
- Documentation for other underground equipment such as associated UST piping, sumps, cisterns, clarifiers, oil/water separators, catch basins, wells (including dry wells), and underground injection systems
- Agency inspection records and violation history
- Notices or other correspondence from local, state, and federal regulatory agencies relating to past or current violations of environmental laws
- Spill/Release reports
- SARA 313 (Form R) reports
- Hazardous waste generator notices
- Hazardous waste manifests
- Environmental permits and registrations, including:
 - Solid waste and/or hazardous waste disposal
 - Wastewater discharge permits with local sewer districts and/or NPDES
 - Hazardous waste treatment, including Permit-By-Rule, Conditional Authorization, or Conditional Exemption
 - Air emission permits, including boilers, paint booths, etc.
 - Underground injection systems
- Safety plans, preparedness and prevention plans, spill prevention, countermeasure and control plans, etc., including:
 - Risk Management Plan
 - Storm Water Pollution Prevention Plan
 - Hazardous Materials Management/Business Plan
 - Material Safety Data Sheets
 - Hazardous Communications Training Program
- Community right-to-know plans
- Other environmental documents (e.g., asbestos containing materials, polychlorinated biphenyls, lead-based paint, lead in drinking water, radon, indoor air quality, mold).

UNIVERSAL ENGINEERING SCIENCES
Work Authorization / Proposal Acceptance Form

PLEASE SIGN AND RETURN ONE COPY

Universal Engineering Sciences (Universal) is pleased to provide the services described below. The purpose of this document is to describe the terms under which the services will be provided and to obtain formal authorization.

Date: September 12, 2022
Project Name: Pinellas Trail South Gap Phase II
Project Location: Ulmerton Road to Haines Bayshore Road, Clearwater, FL
Client Name: Cumbey & Fair, Inc.
Contact: Matthew Fabrizio
Contact Business Address: 2463 Enterprise Road, Clearwater, FL 33763
Contact Phone: 727-797-8982 **Email:** mfabrizio@cumbeyfair.com

I. Scope of Services & Understanding of Project (See attached proposal or as indicated below).

UES Opportunity No.: 1185.0922.00013

Phase I Environmental Assessment = \$2,300.00

II. Contract Documents. The following documents form part of the Agreement and are incorporated herein by referral:

A. Universal General Conditions.

In the event of any inconsistency or conflicting among the Contract Documents, the provision in that Contract Documents first listed above shall govern.

III. Authority to proceed and for payment. (To be completed by Client)

A. For payment of Services, invoice to the account of:


Firm: _____ **Social Security Number or Federal Identification No.:** _____
Address: _____ **City:** _____ **Zip Code:** _____
Attention: _____ **Title:** _____
Phone: _____ **Fax:** _____

B. If the invoice is to be mailed for approval to someone other than the account charged, please indicate where, below:

Firm: _____
Address: _____ **City:** _____ **Zip Code:** _____
Attention: _____ **Title:** _____
Phone: _____ **Fax:** _____

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duty authorized representatives this _____ day of _____, 2022.

CLIENT: _____ **UNIVERSAL ENGINEERING SCIENCES**

BY (signature): _____ **BY (signature):**  _____
NAME: _____ **NAME:** Vanessa LeGros
TITLE: _____ **TITLE:** Environmental Scientist

Return Executed Copies to:
Universal Engineering Sciences
Attention: St. Petersburg Office
3018 22nd Avenue S., St. Petersburg, FL 33712
Phone: 727-209-1500



SECTION 1: SCOPE OF SERVICES

1.1 Universal Engineering Sciences, LLC (“UES”) will provide to Client the professional services described under the Scope of Services (“Services”) in the Professional Services Agreement (“Agreement”) between UES and Client to which these General Conditions form a part.

1.2 UES shall provide revised or additional services, including changes to the Services necessary due to changed or unforeseen conditions, only in accordance with a written Addendum or Change Order (collectively, “Addendum”) to the Agreement agreed to by UES and Client, and only to the extent set forth in that Addendum. Either UES or Client may communicate in writing any requested changes in the nature and scope of the Project; in either case, the changes shall only be executed upon written approval of the Addendum by UES and Client.

1.3 Unless otherwise provided for in the Agreement, the Services will be provided on a standard work schedule of Monday through Friday 8:00 AM to 5:00 PM (excluding holidays), and samples will be analyzed on a standard five (5) to seven (7) business day laboratory turnaround time.

1.4 UES shall not be responsible for any delays, fees or costs associated with adverse or unusual weather conditions that prevent the Services from being safely conducted.

1.5 UES shall provide the personnel, equipment, Level D personal protective equipment (as defined by the Occupational Safety and Health Administration (“OSHA”), and other materials necessary to provide the Services. UES, at its sole discretion, may retain subcontractors or other third-parties to assist it in the provision of the Services.

1.6 Client will provide UES with written authorization to proceed with the Services and any associated fee (e.g., retainer) prior to UES initiating work on the Services.

1.7 The terms “Project” and “Site” as used interchangeably in these General Conditions refer to the land and/or construction project on which or to which UES is to provide Services under this Agreement.

SECTION 2: PROFESSIONAL STANDARD OF CARE

2.1 UES will provide its services under this Agreement in a manner consistent with the level of professional care and skill ordinarily exercised by environmental professionals practicing contemporaneously under similar conditions in the locality of the Project. NO OTHER WARRANTY CONCERNING THE SERVICES UES PROVIDES UNDER THE AGREEMENT OR ANY ADDENDUM, EXPRESS OR IMPLIED, IS MADE, AND ALL OTHER WARRANTIES, INCLUDING THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED TO THE FULL EXTENT PERMITTED BY APPLICABLE LAW.

2.2 Client understands that subsurface investigations may involve drilling, boring, excavating or sampling through varied subsurface soil and water strata which, consistent with the prevailing standard of professional care, may result in the unavoidable or inadvertent cross-mingling of soil and water and any hazardous substances or constituents contained in them, and that this risk cannot be eliminated despite the exercise of professional care. IF SUCH SUBSURFACE INVESTIGATIONS ARE PART OF THE SERVICES, CLIENT WAIVES ANY CLAIM AGAINST UES, AND SHALL INDEMNIFY, DEFEND, AND HOLD UES HARMLESS FROM ANY CLAIM OR LIABILITY FOR INJURY OR LOSS ARISING FROM CROSS-CONTAMINATION RELATED TO SUCH SUBSURFACE EXPLORATIONS.

2.3 UES will take reasonable precautions to minimize damage to the Site, but it is understood by Client that, in the normal course of the provision of the Services, including sampling or drilling, some damage to or alteration of the Site is possible. The repair of such damage shall not be part of the Services unless explicitly specified in writing in the Agreement.

2.4 The Services provided by UES are not intended to be and shall not be construed as providing legal advice, and UES shall not be responsible for Client’s compliance with any applicable laws.

SECTION 3: SITE ACCESS, SITE CONDITIONS AND CLIENT RESPONSIBILITIES

3.1 Client will grant or obtain at its expense lawful and safe access to the Site as needed for UES to perform the Services and will notify all affected persons and entities in writing of UES’s presence. The access shall be adequate to allow UES to conduct the Services, including bringing and storing equipment and tools on the Site and any necessary access to exterior and interior areas. UES shall not be responsible for any delays, fees or costs caused by delayed or restricted access that prevents or slows the delivery of the Services by UES.

3.2 If the Site is not owned or operated by Client or the Client does not otherwise have the authority to grant UES lawful access, Client shall be responsible for obtaining, at its own expense, an access agreement for the Site and shall provide UES a copy of such access agreement at least three business days in advance of the date contemplated for the first Site access related to the Project. UES reserves the right to delay, without penalty, any Site visit and the provision of Services under the Agreement if a site access agreement, in UES’ reasonable judgment and discretion, would impose conditions, liabilities or risks on UES in excess of those set forth in these General Conditions or the Agreement. IF THE SITE IS NOT OWNED BY CLIENT, CLIENT AGREES TO DEFEND, RELEASE, AND HOLD UES, INCLUDING ITS OFFICERS, DIRECTORS, SHAREHOLDERS, EMPLOYEES, AGENTS, AFFILIATES AND SUCCESSORS (“UES INDEMNITEES”) HARMLESS FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR LIABILITIES ALLEGED BY THE SITE OWNER OR THE SITE OWNER’S EMPLOYEES, AGENTS, CONTRACTORS OR OTHER PERSONS OR ENTITIES ARISING FROM UES’S PERFORMANCE OF SERVICES UNDER THE AGREEMENT AT SUCH SITE.

3.3 Unless otherwise expressly provided for in the Agreement, Client will be responsible for communicating and coordinating with the Site owner(s) with respect to access necessary to the provision of the Services, including security procedures, opening gates, providing access to buildings, avoiding conflicts between provision of the Services and any commercial or manufacturing activities on the Site, and moving vehicles or other equipment that may interfere with the agreed upon Site activities and the Site access necessary to conduct such activities, including opening gates to allow equipment to gain access to proposed work areas, areas to store necessary equipment, as well as access to the interiors of any onsite buildings.

3.4 Client shall be responsible for the safety of the Site where the Project is conducted and for providing a safe environment for UES to provide the Services. UES shall be responsible for the safe and compliant conduct of its personnel at the Site and shall also comply with the reasonable and lawful work rules for the Site. As required by applicable laws, UES will prepare a site-specific Health and Safety Plan (HASp) applicable to its personnel for the Services provided at the Site. UES shall not be responsible for the safety of other personnel at the Site, nor shall it be responsible for ensuring that the Site complies with environmental, health and safety laws, or reporting any unsafe conduct or non-compliance that it may observe. If UES encounters conditions at the Site that are unsafe for its personnel, it reserves the right at its sole discretion to suspend or halt work until such conditions are cured. UES shall not be responsible for any fees, costs or damages associated with any safety-related delays. Unless otherwise provided for in the Agreement, UES shall not work in conditions that require personal protective equipment beyond that classified as Level D by OSHA.

3.5 Client shall inform UES of any reporting or other requirements imposed by any third parties, such as federal, state, or local entities with respect to environmental matters relevant to the Services, Client shall assume responsibility to provide any required notice to any third party, and it shall secure the necessary permits or permissions from any third parties (including governmental authorities) required for UES’s provision of the Services. If included in the Agreement, Client may authorize UES to obtain certain permits on Client’s behalf, in which case Client shall be responsible for any fees or expenses incurred by UES with respect to obtaining such permits.

3.6 Client shall provide UES with all necessary information to perform its services, including, but not limited to, maps, site plans, reports, surveys, plans and specifications, environmental and hydrogeological investigations and studies, other designs, documents, and any other existing environmental information about the Site. Client assumes all liability for information not provided to UES that could affect the quality or sufficiency of the Services UES provides. If UES encounters

undisclosed or unforeseen conditions that may cause material delays or an increase in fees or costs, UES shall inform Client and any changes in schedule, fees or costs shall be addressed in an Addendum. UES shall not be responsible for any delays, fees or costs caused by undisclosed or unforeseen conditions.

3.7 Client is responsible for accurately identifying to UES in writing the existence and location of all subterranean structures and utilities on or affecting the Site and the services to be provided by UES. UES will take reasonable precautions to avoid affecting subterranean structures and utilities disclosed to it in writing by Client. If included in the Agreement, Client may authorize UES to conduct applicable public utility identification and clearance requirements on behalf of Client. CLIENT AGREES TO DEFEND, RELEASE, AND HOLD UES INDEMNITEES HARMLESS FOR ANY CLAIMS, LOSSES, DAMAGES OR LIABILITIES ARISING FROM DAMAGE DONE TO ANY SUBTERRANEAN STRUCTURES OR UTILITIES, OR FOR THE RELEASE OF ANY HAZARDOUS SUBSTANCES FROM ANY SUCH STRUCTURES OR UTILITIES, THAT ARE NOT ACCURATELY IDENTIFIED AND LOCATED IN WRITING AND DISCLOSED TO UES BY CLIENT BEFORE UES COMMENCES ITS WORK.

3.8 Unless otherwise stated in the Agreement, any soil or groundwater monitoring activities that are included the Services are based on the assumption that soil borings and monitoring wells can be installed using standard truck-mounted drilling equipment, the locations are accessible to such equipment, and that surface conditions at each location consists of non-reinforced asphalt or concrete not exceeding six (6) inches in thickness and no concrete or asphalt cutting will be required. If UES encounters materially different conditions at the Site, UES shall inform Client and an Addendum shall be agreed to that addresses any changes in schedule, fees or costs associated with the changed conditions.

SECTION 4: HAZARDOUS SUBSTANCES AND ENVIRONMENTAL CONDITIONS

4.1 Client represents it has informed UES of all known or suspected hazardous substances on or near the Site of which it is aware that may impact the Services, and that it has provided UES with all studies, reports, investigations, or similar documents in its possession about the environmental conditions at the Site, including any documents and correspondence involving Federal, State or local environmental, health or safety regulatory notifications.

4.2 For purposes of the Agreement and these General Conditions, the term hazardous substances includes materials defined or regulated as hazardous substances, hazardous materials, hazardous wastes, hazardous constituents, solid wastes, pollutants, or toxic substances under any Federal, State or local environmental, health, safety or natural resources law, statute, regulation or ordinance, including but not limited to petroleum products, polychlorinated biphenyls, asbestos, and any other material or substance listed or identified by the United States Environmental Protection Agency or any similar State or local agency as presenting a potential danger to health, safety or the environment.

4.3 Client shall be responsible for making any disclosures required by law to the appropriate governmental agencies regarding the presence of hazardous substances on, under, from or around a Site. If the Site is not owned by the Client, Client, not UES, shall be responsible for informing the Site owner of the discovery of unanticipated or suspected hazardous materials. Client acknowledges that, under certain state or federal laws, UES may have an independent duty to report Site conditions or other information to a regulatory agency. Client agrees that UES may make such disclosures as are required of it by law without violating any confidentiality obligations under the Agreement or these General Conditions, provided that UES gives the Client notice before (or if circumstances do not reasonably allow, concurrently with) notifying the regulatory agency.

4.4 Client agrees that the discovery of unanticipated hazardous substances and conditions may constitute (at the sole reasonable discretion of UES) a changed condition, mandating a renegotiation of the Agreement or termination of the Services. Such a discovery may make it necessary for UES to take immediate measures to protect health and safety of its employees and other persons, or to arrange for others to do so, including and up to delaying or terminating work. Client agrees to compensate UES for all expenses incurred caused by the discovery of unanticipated hazardous substances or conditions encountered at the Site, including but not limited to those related to worker protection and exposure, emergency response actions and equipment decontamination.

4.5 Unless otherwise expressly specified in the Agreement, the characterization, management and disposition of materials generated during the Services (including, but not limited to, wastes, samples, produced soils or fluids, cuttings, or protective gear or equipment, etc.) is not within the scope of the Services and is the sole responsibility of Client, not UES, unless a written Addendum is agreed to specifying UES' responsibilities and Client's choice of transporter and waste disposal facility. UES shall not be required to sign or certify a waste manifest, disposal ticket, or similar document relating to the transportation or disposal of wastes or hazardous substances, and Client agrees that UES is not a generator, storer, treater, transporter, arranger, or disposer of wastes or hazardous substances and shall not be so identified on any document. Unless specifically provided for in the Agreement, UES shall not have any responsibilities with respect to the storage or preservation of samples, and Client agrees that UES is not responsible or liable under any circumstance to Client for any loss of samples that are shipped to a testing facility or retained in storage, and waives any claims it may have with respect to such losses.

4.6 Client shall have custody of any monitoring wells or permanent sampling locations installed as part of the Project, and shall be responsible for proper maintenance, repair or closure of such wells at Client's expense, unless otherwise provided for in the Agreement.

4.7 CLIENT AGREES TO DEFEND, RELEASE, AND HOLD UES INDEMNITEES HARMLESS FROM ANY AND CLAIMS, LOSSES, DAMAGES OR LIABILITIES ARISING FROM (I) UES' DISCOVERY OF OR EXPOSURE TO HAZARDOUS SUBSTANCES OR SUSPECTED SUBSTANCES RELATED TO THE SERVICES, INCLUDING ANY COSTS OF DELAY OF THE SERVICES, ANY COSTS ASSOCIATED WITH POSSIBLE REDUCTION TO THE VALUE OF THE PROJECT OR THE SITE IN WHICH IT IS SITUATED; (II) ANY DISCLOSURES UES IS REQUIRED TO MAKE BY LAW REGARDING HAZARDOUS SUBSTANCES OR ENVIRONMENTAL CONDITIONS AT A SITE; (III) ANY CLAIMS MADE ALLEGING THAT (A) UES IS AN OWNER OR OPERATOR OF THE SITE AT WHICH THE SERVICES ARE RENDERED; (B) UES IS THE GENERATOR, STORER OR TREATER OF HAZARDOUS SUBSTANCES AT SUCH SITE; OR (C) THAT UES ARRANGED FOR THE TRANSPORTATION OR DISPOSAL OF ANY HAZARDOUS SUBSTANCES FROM THE SITE; (IV) ANY VIOLATION BY CLIENT OF ANY FEDERAL, STATE OR LOCAL LAW, REGULATION, ORDER, DECREE OR ORDINANCE RELATED TO HAZARDOUS SUBSTANCES; (V) ANY UNDERTAKING OF OR ARRANGEMENTS MADE BY CLIENT WITH RESPECT TO THE GENERATION, STORAGE, MANAGEMENT, TRANSPORTATION OR DISPOSAL OF HAZARDOUS SUBSTANCES; OR (VI) ANY CLAIMS MADE BY THIRD-PARTIES WITH RESPECT TO ALLEGED EXPOSURES TO OR DAMAGES CAUSED BY HAZARDOUS SUBSTANCES AT OR FROM THE SITE OR DURING OR RELATED TO ANY PROJECT OR THE PROVISION OF SERVICES.

SECTION 5: BILLING AND PAYMENT

5.1 UES will submit invoices to Client in accordance with the Agreement for the specific Project. If the Agreement includes a retainer, the retainer must be received by UES before it will initiate work on the Project.

5.2 Payment will be due 30 days after presentation of invoice. Client will pay a finance charge of one and one-half percent (1 1/2 %) per month, or the maximum rate allowed by law, on all Agreement due invoices. If UES incurs any expenses to collect overdue invoices, Client will also be liable for all sums incurred for reasonable attorneys' fees, expert witness fees, time of UES's employees, expenses and court costs, and interest.

5.3 Client agrees that UES may refuse to release to Client any reports, findings, data and other work product until it has been paid in full for services rendered. UES reserves, and does not waive, any lien rights it may have for unpaid professional services. Client agrees that all reports and other work furnished to Client or its agents that Client has not timely paid for will be returned upon demand and will not be used by the Client for any purpose.

5.4 UES shall have no obligation under this Agreement or any Addendum to provide expert consultant or expert witness services in litigation, arbitration, or any other dispute resolution proceeding, to produce its work product in discovery, to undertake any further investigation or analysis or prepare a report in connection with any such proceeding, or to make available for testimony its current or former employees or consultants. The Parties will execute a new agreement for any such services. In the absence of a new executed agreement for such services, Client will pay UES 150% of its prevailing rates and expenses for the time spent by UES employees and costs incurred on any such additional tasks.

5.5 Services provided at the Client's request outside normal business hours will be performed for an additional fee to be negotiated and reflected in the Agreement or an executed Addendum, or, if no such fee is negotiated, at 150% of UES standard rates.

SECTION 6: INTELLECTUAL PROPERTY AND CONFIDENTIALITY

6.1 All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by UES during the provision of the Services, are instruments of service, and shall remain the property of UES. Neither Client nor any other entity shall change or modify UES's instruments of service. UES shall retain sole and exclusive ownership of all ideas, concepts, theories, improvements, designs, original works of authorship, formulas, processes, models, software, algorithms, inventions, know-how, techniques, compositions of matter and any other information owned by UES prior to the date of this Agreement or created or modified by UES during the provision of the Services.

6.2 UES will retain final reports generated as part of the Services for a period of at least five years following submission of such reports or completion of the Services, whichever is later. UES will make those records available to the Client in a reasonable time and manner, subject to payment of a reasonable fee for the time of UES employees to assemble and transmit those documents.

6.3 The Services and all deliverables provided as part of the Services (including but not limited to reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by UES), are prepared for the sole and exclusive use of Client, and Client is the only entity to which UES owes any duty, in contract or tort, pursuant to any law or under this Agreement. Any information or deliverables generated by UES during the provision of the Services may not be given or disclosed to any other entity, or used or relied upon by any other entity, without the express written consent of UES. Such written consent may take the form of a "reliance letter" which must be agreed to by such other person or entity to whom the Services and Deliverables may be disclosed, and for which a separate fee will be charged. UES shall be entitled to injunctive relief preventing/prohibiting any disclosure, reliance or attribution prohibited hereunder, and Client shall release, indemnify, defend and hold harmless UES from any losses arising from or related to such unauthorized disclosure, attribution or reliance.

6.4 Each party may disclose to the other party certain information that it considers to be confidential ("Confidential Information") provided such information is disclosed in writing and clearly marked or, if orally disclosed, promptly thereafter reduced to writing and clearly marked "Confidential." In no event shall Confidential Information include information that: (a) is or becomes publicly available other than through a breach of the Agreement; (b) is known to the party receiving such information prior to disclosure or is independently developed by such party subsequent to such disclosure without reference to Confidential Information provided hereunder; or (c) is subsequently lawfully obtained by the party receiving such information from a third party without obligations of confidentiality. Each party agrees that it (a) will not disclose or divulge the other party's Confidential Information to any person, (b) will not use the other party's Confidential Information for its own benefit or the benefit of others, (c) will employ at least the same degree of care in protecting Confidential Information as it employs in protecting its own confidential information, and (d) will, upon termination of the Agreement, or at any time at the request of the other party, return to the other party or destroy all copies of the other party's Confidential Information. Notwithstanding the foregoing, each party may disclose the other party's Confidential Information to its employees, subcontractors and authorized agents who have a need to know such confidential information to fulfill its obligations under this Agreement. In the event a party receives a subpoena or other validly issued administrative or judicial process requesting the disclosure of the other party's Confidential Information, such party will promptly notify the other party and tender to it the defense of such demand and will cooperate (at the other party's expense) with the defense of such demand. Unless the demand shall have been timely quashed or extended, the party receiving the demand shall thereafter be entitled to comply with such demand when and to the extent required by law.

SECTION 7: RISK ALLOCATION

7.1 CLIENT AGREES WITH RESPECT TO THE SERVICES PROVIDED UNDER THIS AGREEMENT AND ANY ADDENDUM THAT THE AGGREGATE LIABILITY OF UES FOR ANY AND ALL CLAIMS, LOSSES, COSTS, AND DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, ATTORNEYS' FEES AND EXPENSES AND EXPERT WITNESS FEES AND EXPENSES, SHALL NOT EXCEED THE GREATER OF \$50,000 OR THE FEE ACTUALLY PAID BY CLIENT TO UES FOR THE SERVICES. The terms "claim" or "claims" mean any claim in contract, tort, or statute alleging errors, omissions, strict liability, statutory liability, breach of contract, breach of warranty, negligence, negligent misrepresentation, and any other basis giving rise to liability in law or equity.

7.2 NOTWITHSTANDING ANYTHING TO THE CONTRARY PROVIDED FOR IN THE AGREEMENT OR ANY ADDENDUM, UES SHALL NOT BE LIABLE TO CLIENT FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO REDUCTION IN VALUE OF REAL PROPERTY, PENALTIES ASSOCIATED WITH NON-COMPLIANCE WITH LAW, LOST PROFITS, LOSS OF USE, FINANCING COSTS AND LOST SAVINGS) INCURRED BY CLIENT. ITS EMPLOYEES, CONSULTANTS, AGENTS, CONTRACTORS OR SUBCONTRACTORS.

7.3 Client agrees that it will not seek damages in excess of this contractually agreed-upon limitation against any other person or entity who may in turn join UES as a third-party defendant for such damages, or where such person or entity may seek recovery from UES in a separate proceeding. CLIENT INDEMNIFIES, DEFENDS AND HOLDS UES INDEMNITEES HARMLESS FOR ANY SUCH DAMAGES AWARDED TO ANY OTHER PERSON OR ENTITY AS A RESULT OF ANY LITIGATION, ARBITRATION OR OTHER DISPUTE RESOLUTION PROCEEDING COMMENCED BY CLIENT AGAINST ANY SUCH PERSON OR ENTITY FOR DAMAGES FOR WHICH UES MAY BE IN WHOLE OR PART BE HELD LIABLE.

SECTION 8: INSURANCE

8.1 UES represents it has Worker's Compensation insurance in force, that it has commercial general liability coverage in the amount of \$ 50,000.00, and has professional liability insurance in the amount of \$ 50,000.00.

8.2 Client shall maintain such insurance as is necessary to fully underwrite Client's defense and indemnity obligations set forth herein, and shall, upon request by UES, provide proof to UES to verify such insurance.

SECTION 9: INDEMNITY

9.1 IN ADDITION TO AND NOTWITHSTANDING ANY OTHER PROVISION IN THESE GENERAL CONDITIONS, CLIENT AGREES, TO THE FULLEST EXTENT PROVIDED BY LAW, TO RELEASE, DEFEND (WITH COUNSEL REASONABLY ACCEPTABLE TO UES), INDEMNIFY, AND HOLD UES, INCLUDING ITS OFFICERS, DIRECTORS, SHAREHOLDERS, EMPLOYEES, AGENTS, AFFILIATES AND SUCCESSORS ("UES INDEMNITEES") HARMLESS FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR LIABILITIES FROM OR BY ANY PERSON OR ENTITY ARISING FROM (1) ACTS OR OMISSIONS BY CLIENT, CLIENT'S AGENTS, STAFF, AND OTHERS EMPLOYED BY OR CONTRACTED TO CLIENT, INCLUDING ARCHITECTS, ENGINEERS, CONTRACTORS, SUBCONTRACTORS, AND CONSULTANTS, WHETHER OR NOT UES IS RESPONSIBLE IN PART FOR THE ACTS OR OMISSIONS FOR WHICH CLIENT IS INDEMNIFYING UES AND (2) THE PROVISION OF THE SERVICES BY UES EXCEPT TO THE EXTENT CAUSED BY UES' GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, SUCH EXCEPTION SUBJECT TO THE LIMITS SET FORTH IN SECTION 7.

9.2 UES AGREES TO INDEMNIFY, AND HOLD CLIENT HARMLESS FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR LIABILITIES ARISING TO THE EXTENT SOLELY FROM THE GROSS NEGLIGENCE OR WILLFUL MISCONDUCT BY UES IN THE PROVISION OF THE SERVICES, SUBJECT TO THE LIMITS SET FORTH IN SECTION 7.

9.3 To the extent either party's damages are covered by available insurance, Client and UES waive all rights of subrogation against each other and against the contractors, subcontractors, consultants, agents, and employees of the other, except such rights as they may have to the proceeds of such insurance.

SECTION 10: DISPUTE RESOLUTION

All claims, disputes, and other matters in controversy between UES and Client arising out of or in any way related to this Agreement or any Addendum will be brought only in the state or federal courts having jurisdiction where the UES office that provided the service is located. The successful party in any such action will

be entitled to recover its reasonable attorneys' fees, expert witness fees, and other claim-related expenses and court costs incurred, and also the time value at prevailing rates of its employees reasonably incurred in prosecuting or defending the claims, with any claims against UES subject to the limitations in Section 7.

SECTION 11: TERMINATION

11.1 This Agreement may be terminated by either party for cause upon seven (7) days written notice and opportunity to cure in the event of a material breach by the other party, or in the case of a force majeure event such as terrorism, act of war, riot, insurrection, strike, declared public health emergency, flood, unusual weather condition, or act of God that continues or affects the Site for more than seven (7) calendar days. Such termination shall not be effective if such material breach or force majeure event has been remedied before expiration of the period specified in the written notice. In the event of any termination, UES shall be paid for Services (including any related costs and expenses) performed up to the termination notice date plus reasonable termination expenses.

11.2 UES and Client may terminate this Agreement at any time by mutual written consent.

11.3 In the event of termination or a suspension for more three months of the Project for which these Services are to be provided, UES may in its sole discretion complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to the date of notice of termination or suspension. The expenses of termination or suspension shall include all direct costs incurred by UES in completing such analyses, records, and reports.

SECTION 12: REVIEWS, INSPECTIONS, TESTING, AND OBSERVATIONS

12.1 If the Services include oversight, monitoring or observation of work being conducted by third parties (other than UES subcontractors), such services shall be conducted solely to determine that the work being overseen, monitored or observed is in general conformity to the contractual requirements between Client and such third parties. Client shall have sole responsibility and authority to reject, suspend or stop the work of such third parties, or modify or terminate any agreement between Client such third parties.

12.2 UES shall not have the responsibility or authority to stop, suspend, or modify the work of such third parties, and does not guarantee that work it inspects conforms in all respects to the design, or to applicable laws, statutes, regulations, rules or codes, and it shall have no liability for design or construction defects, or the failure of Client's designers or contractors to comply with their contractual obligations.

12.3 Neither the activities of UES pursuant to this Agreement, nor the presence of UES or its employees, representatives, or subcontractors on the Project Site, shall be construed to impose upon UES any responsibility for means or methods of work performance, superintendence, sequencing of construction, or safety or environmental conditions or compliance at the Project Site. Client acknowledges that Client or its contractor is solely responsible for Project jobsite safety and compliance with environmental, health and safety laws.

12.4 Client is responsible for scheduling all inspections and construction materials testing ("CMT") activities of UES. UES will not be responsible for tests and inspections that it does not perform due to Client's failure to timely schedule work.

12.5 Client shall at the time of execution of the Agreement provide UES with a proposed schedule for tests and inspections UES shall perform. Client will give reasonable notice of all changes to that schedule. UES shall not be required to conduct any tests or inspections on less than 72 hours written notice, nor after normal business hours or on weekends or holidays.

SECTION 13: SOLICITATION OF EMPLOYEES

Client agrees that during the term of the Agreement, and for a period of one (1) year after the last date on which UES has provided services hereunder, Client shall not, directly or indirectly, solicit or attempt to solicit for employment, or contract directly or indirectly with, any employee of UES except as authorized in writing by UES. Client agrees that its breach of this Section shall cause UES irreparable harm, and that UES may, in addition to recovering any provable damages, enforce this obligation by injunction.

SECTION 14: NO ASSIGNMENT

Neither Client nor UES may delegate, assign or transfer its rights or obligations under the Agreement for any reason without the written consent of the other party. For avoidance of doubt, this provision does not affect UES' right, at its sole discretion, to use contractors or subcontractors in the performance and delivery of the Services.

SECTION 15: GOVERNING LAW

15.1 This Agreement shall be governed by and construed in accordance with the laws of the jurisdiction where the UES office performing the services is located. Client irrevocably consents to the jurisdiction of the state and federal courts of that jurisdiction for the adjudication of such claims.

15.2 If any of the provisions of this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired and will survive. Limitations of liability and indemnities provided for will survive termination of this Agreement for the period of all applicable statutes of limitations to which they relate.

SECTION 16: INTEGRATED AGREEMENT

This Agreement, and any Addendum represent and contain the entire and only agreement and understanding among the parties with respect to the subject matter of their subject matter, and they supersede all prior or contemporaneous oral and written agreements, understandings, representations, inducements, promises, communications and conditions between the parties. No agreement, understanding, representation, inducement, promise, or condition with respect to the subject matter of this Agreement shall be relied upon by the parties unless expressly incorporated herein.

SECTION 17: NO AMENDMENT

The Agreement, including these General Conditions, may not be amended or modified except by a writing signed by both parties.

SECTION 18: WAIVER OF JURY TRIAL

Both Client and UES waive trial by jury in any action arising out of or related to the Agreement, and any Addendum to the Agreement.

SECTION 19: CONTRACTUAL STATUTE OF LIMITATIONS

To the extent that a statute of limitations for any cause of action against UES arising from this Agreement or any Addendum can be modified contractually in accordance with law, and the relevant statute of limitations for any claim arising of or relating to any this Agreement or any Addendum, or the services provided by UES thereunder, is greater than two (2) years, the relevant statute of limitations shall be two (2) years from the date UES last provided services thereunder. The parties agree that this provision is material to the decision of UES to enter into this agreement, that it is a reasonable measure to allocate and insure against risk, and that it does not violate public policy. This section shall not be construed as an agreement to increase the statute of limitations for any causes of action that are otherwise barred by law.

SECTION 20: HEADINGS

The headings in these General Conditions are for reference only and are not intended to form part of the contract between the Parties.



ASTM E1527-13 USER INTERVIEW RECORD

Project: _____

Date: _____

Completed By: _____

Relationship to Project: _____

Comment: The *User* (client) must provide the following information (if available) to the *Environmental Professional*. Information provided below is intended to assist the *Environmental Professional* in gathering information from the *User* that may be material to identifying *recognized environmental* conditions in connection with the subject property. Failure to provide this information could result in a determination that “*all appropriate inquiry*” is not complete.

Please provide additional details if the answer is “yes” to any of the questions. If answer is “no” to any of the questions, please indicate what information the answer was based on.

1. Did a search of *recorded land title records* (or judicial records where appropriate) identify that environmental liens (ELs) filed or recorded against the *property* under federal, tribal, state, or local law (40 CFR 312.26)? No Yes (if yes, please describe)

2. Did a search of *recorded land title records* (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state, or local law (40 CFR 312.26)? No Yes (if yes, please describe)

3. Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312.28)? No Yes (if yes, please describe)

4. Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property* (40 CFR 312.29)? No Yes (if yes, please describe)



ASTM E1527-13 USER INTERVIEW RECORD

5. Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *Environmental Professional* to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? No Yes (if yes, please describe)

a.) Do you know any of the past uses of the *property*? No Yes (if yes, please describe)

b.) Do you know of specific chemicals that are present or once were present at the *property*?
No Yes (if yes, please describe)

c.) Do you know of spills or other chemical releases that have taken place at the *property*?
No Yes (if yes, please describe)

d.) Do you know of any environmental cleanups that have taken place at the *property*?
No Yes (if yes, please describe)

e) Can you provide contact information for any of the past owners or occupants of the subject property? No Yes (if yes, please describe)

6. Based on your knowledge and experience related to the *property*, are there any *obvious* indicators that point to the presence or likely presence of releases at the *property* (40 CFR 312.31)?
No Yes (if yes, please describe)

7. Are you aware of any other knowledge or experience with the *property* that may be pertinent to the *Environmental Professional*, such as copies of any available prior *environmental site assessment reports*, documents (ex: Material Safety Data Sheets, environmental permits, geotechnical evaluations, safety plans, preparedness and prevention plans, spill prevention, countermeasure, and control plans, Community Right-to-Know Plan, risk assessments, recorded activity use limitations, hazardous waste generator notices/reports, hydrogeologic reports), correspondence, etc., concerning the *property* and its environmental condition. If so, can you provide a copy?
No Yes (if yes, please describe)



ASTM E1527-13 USER INTERVIEW RECORD

8. Please provide all entities that will need reliance on the Phase I ESA.

ALSO NEEDED:

(a) the reason why the Phase I ESA is required;

(b) the type of *property* and type of *property* transaction, for example, sale, purchase, refinance, foreclosure, exchange, etc.;

(c) the site address for the *property*, site location map, tax parcel identification numbers;

(d) the scope of services desired for the Phase I ESA (including whether any parties to the *property* transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527 are to be considered);

(e) identification of the site contact and how the contact can be reached;

(f) any special terms and conditions which must be agreed upon by the Environmental Professional



SIGNATURE

It is understood that the information presented in this form is an integral part of the Phase I ESA process and that UES will evaluate and rely on this information in the development of the final Phase I ESA report.

Questionnaire Prepared

By (signature):

Print/Type Name:

Title:

Company:

Date:

EXHIBIT D

1. LIMITATIONS ON LIABILITY

The Consultant acknowledges and agrees that the services will be provided without any limitation on the Consultant's liability. The County objects to and shall not be bound by any term or provision that purports to limit the Consultant's liability to any specified amount in the performance of the services. The Consultant shall state any exceptions to this provision in its response, including specifying the proposed limits of liability in the stated exception to be included in the Services Agreement. The Consultant is deemed to have accepted and agreed to provide the services without any limitation on the Consultant's liability that the Consultant does not take exception to in its response. Notwithstanding any exceptions by the Consultant, the County reserves the right to declare its prohibition on any limitation on the Consultant's liability as non-negotiable, to disqualify any Proposal that includes exceptions to this prohibition on any limitation on the Consultant's liability, and to proceed with another responsive, responsible proposal, as determined by the County in its sole discretion.

2. INDEMNIFICATION

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.

3. INSURANCE

The Consultant must provide a certificate of insurance and endorsement in accordance with the insurance requirements listed below, prior to recommendation for award.

The Consultant shall obtain and maintain, and require any sub-Consultants to obtain and maintain, at all times during its performance of the Agreement, insurance of the types and in the amounts set forth. For projects with a Completed Operations exposure, Consultant shall maintain coverage and provide evidence of insurance for two (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 A- VIII or better.

- A. Submittals should include the Consultant's current Certificate(s) of Insurance. If Consultant does not currently meet insurance requirements, Consultant 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.

The Consultant 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). **The Certificate holder section shall indicate Pinellas County, a Subdivision of the State of Florida, 400 S Fort Harrison Ave, Clearwater, FL 33756. Pinellas County 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.**

- B. 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. The County reserves the right to require a certified copy of the entire insurance policy, including endorsement(s), at any time during the RFP and/or contract period.
- C. 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 Consultant of Pinellas County. Upon notification, renewal certificate(s) of Insurance and endorsement(s) should be furnished to Pinellas County Risk Management at InsuranceCerts@pinellascounty.org and to CTrax c/o JDi Data at PinellasSupport@jdidata.com by the Consultant or their agent prior to the expiration date.

EXHIBIT D

- 1) The Consultant shall also notify the County within twenty-four (72) hours after receipt, of any notices of expiration, cancellation, nonrenewal or adverse material change in coverage received by said Consultant from its insurer. Notice shall be given by email to Pinellas County Risk Management at InsuranceCerts@pinellascounty.org. Nothing contained herein shall absolve Consultant of this requirement to provide notice.
 - 2) Should the Consultant, at any time, not maintain the insurance coverages required herein, the County may terminate the Agreement.
- D. If subcontracting is allowed under this RFP, the Primary Consultant 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 sub-consultants 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.
- All subcontracts between the Consultant and its subcontractor shall be in writing and are subject to the County's prior written approval. Further, all subcontracts shall:
- 1) Require each subcontractor to be bound to the Consultant to the same extent the Consultant 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.
 - 2) Provide for the assignment of the subcontracts from the Consultant to the County at the election of Owner upon termination of the Contract.
 - 3) Provide that County will be an additional indemnified party of the subcontract.
 - 4) 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.
 - 5) Provide a waiver of subrogation in favor of the County and other insurance terms and/or conditions as outlined below.
 - 6) Assign all warranties directly to the County.
 - 7) Identify the County as an intended third-party beneficiary of the subcontract. The Consultant 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.
- E. 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 Consultant.
 - 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:

EXHIBIT D

- 1) **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

Limits

Employers' Liability Limits	Florida Statutory
Per Employee	\$500,000
Per Employee Disease	\$500,000
Policy Limit Disease	\$500,000

If Consultant 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. Failure to obtain required Worker's Compensation Insurance without submitting and receiving a waiver from Risk Management constitutes a material breach of this Agreement.

- 2) **Commercial General Liability Insurance:** including, but not limited to, Independent Contractor, Contractual Liability Premises/Operations, Products/Completed Operations, and Personal Injury.

Limits

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

- 3) **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.

Limits

Per Claim or Occurrence	\$1,000,000
General Aggregate	\$1,000,000

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.

EXHIBIT D

- 4) **Professional Liability (Errors and Omissions) Insurance:** with at least 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”, Consultant 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.

Limits

Each Occurrence or Claim	\$1,000,000
General Aggregate	\$1,000,000

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.

- 5) **Property Insurance:** Consultant will be responsible for all damage to its own property, equipment and/or materials.