

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: East Lake Road from Curlew Road to North Trinity Boulevard PD&E Study - Professional Engineering Consulting Services

RFP CONTRACT NO. 24-0175-RFP-CCNA

COUNTY PID NO. 003879A

CONTINUING FIRM: HDR Engineering, Inc.

AGREEMENT

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SECTION 1 - INTENT OF AGREEMENT

AGREEMENT FOR PROFESSIONAL ENGINEERING CONSULTING SERVICES FOR PUBLIC WORKS DEPARTMENT

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

WITNESSETH, that:

WHEREAS, Pinellas County, herein referred to as the County, requires **professional engineering consulting services** associated with support to develop plans and specifications and perform all other professional engineering services as may be required during the construction of **East Lake Road from Curlew Road to North Trinity Boulevard PD&E Study** Pinellas County, Florida

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

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

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

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

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

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

Required Deliverables

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

2. PROJECT PHASES

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

3. CONSULTING RESPONSIBILITIES

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

4. GENERAL DESIGN CONDITIONS

1. The Consultant shall coordinate and solicit appropriate input, with the knowledge of the County.

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

5. GOVERNING SPECIFICATIONS REGULATIONS AND PERTINENT DOCUMENTS

1. The project shall be designed by the Consultant in accordance with applicable industry standards. The Consultant shall be responsible for utilizing and maintaining current knowledge of any laws, ordinances, codes, rules, regulations, standards, guidelines, special conditions, specifications, or other mandates relevant to the project or the services to be performed.
2. The Contractor and their Subcontractor(s) must register with and use the E-verify system in accordance with Florida Statute 448.095. The County will verify the work authorization of the Contractor and Subcontractor. A Contractor and Subcontractor may not enter into a contract with the County unless each party registers with and uses the E-verify system.

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

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

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

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

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

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

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

Should Supplier:

- i. fail to acknowledge receipt of the notice within 30 days of receipt of the Notice;

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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.

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

A. SEE EXHIBIT A – SCOPE OF SERVICES.

2. BIDDING PHASE

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

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

3. CONSTRUCTION PHASE

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

A. Construction Consultation Services

- 1. Processing, review, approval and distribution of shop drawings, product data, samples and other submittals required by the Contract Documents.
- 2. Maintenance of master file of submittals with duplicate for County.
- 3. Construction Field Observation Services consisting of visits to the site as frequent as necessary, but not less than once every week, to become generally familiar with the progress and quality of the work and to determine in general if the work is proceeding in accordance with the Contract Documents and prepare related reports and communications. Provide written report of each visit. This field observation requirement shall include any sub-consultants at appropriate construction points.
- 4. Review for comment or approval any and all proposal requests, supplemental drawings and information and change orders.
- 5. Review for correctness Contractors pay requests for the County.
- 6. Prepare, reproduce and distribute supplemental drawings, specifications and interpretations in response to requests for clarification by the Contractor or the County as required by construction exigencies.

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Response to any request must be received by the County within 24 hours of request, or the next available working day when the request is prior to a weekend or holiday.

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

4. PROVISIONS RELATED TO ALL PHASES

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

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- 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.
 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

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

- A. Copies of existing maps, existing aerial photographs, as-built construction plans and data pertinent to the project design, which the County may have in its possession.
- B. Reproducibles of the County Engineering Department Standard Drawings applicable to the project.

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- C. Sample copies of the County standard contract documents and specifications.
- D. Preparation of legal (front-end) section of the specifications.

SECTION 5 - PRESENTATIONS, PUBLIC MEETINGS AND TECHNICAL LIAISON

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

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

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.

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

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

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

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

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 \$126,725.00 for the Task 1 – Project Description and Objectives Phase of the project.

A Lump Sum Fee of \$610,865.03 for the Task 2 – Public Involvement Phase of the project.

A Lump Sum Fee of \$2,242,363.16 for the Task 3 – Engineering Analysis & Report Phase of the project.

A Lump Sum Fee of \$675,940.04 for the Task 4 – Environmental Analysis & Reports Phase of the project.

A Lump Sum Fee of \$45,669.00 for the Task 5 – Environmental Document Phase of the project

The above fees shall constitute the total not to exceed amount of \$3,701,562.23 to the Consultant for the performance of Basic Services. All man hours are billed per the established and agreed hourly rates. The hourly rates are fully loaded and include all labor, overhead, expenses and profit of any nature including travel within the Tampa Bay Metropolitan Statistical area. Travel outside of the Tampa Bay Metropolitan Statistical Area will be reimbursed in accordance with Section 112.061 F.S. and/or the County Travel Policy, as approved by the County.

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

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A Lump Sum Fee of \$129,825.60

3. For any DIRECT EXPENSES (Reimbursable) performed, the County agrees to pay the Consultant, a negotiated fee based on the assignment, up to a maximum amount not to exceed \$70,953.10 for all assignments performed.
4. Total agreement not-to-exceed amount **\$3,902,340.93**.
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.

AGREEMENT**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.
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.

AGREEMENT**SECTION 23 - AGREEMENT TERM**

1. This Agreement will become effective on the date of execution first written above and shall remain in effect for **thirty-six (36) 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 - ENTIRE AGREEMENT

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

SECTION 26 - PUBLIC ENTITY CRIMES

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

SECTION 27 - PUBLIC RECORDS

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

AGREEMENT

CONTRACTOR'S DUTY:

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

Pinellas County Board of County Commissioners

Purchasing and Risk Management Division

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

Clearwater, FL 33756

Public Records Liaison

Phone: 727-464-3237

Email: mcchartier@pinellas.gov

AGREEMENT

SECTION 28 - GOVERNING LAW AND AGREEMENT EXECUTION

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

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

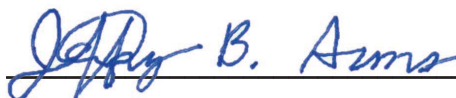
PINELLAS COUNTY, FLORIDA, a

CONSULTANT:

Political subdivision of the State of

Florida, by and through its

Board Of County Commissioners



Chairman

Authorized Signature

Date: _____

Jeffrey B. Arms

Printed Authorized Signature

ATTEST: Ken Burke, Clerk of the Circuit

Court

Vice President

Deputy Clerk

Title Authorized Signature

Date: _____

APPROVED AS TO FORM

By: Miles Belknap
Office of the County Attorney

EXHIBIT A

**SCOPE OF SERVICES
FOR
PROJECT DEVELOPMENT AND ENVIRONMENT (PD&E) STUDY
EAST LAKE ROAD (CR 611) FROM CURLEW ROAD TO NORTH OF TRINITY
BOULEVARD
FDOT District 7
Pinellas County**

This Scope of Services is an attachment which is incorporated into the agreement between the PINELLAS COUNTY PUBLIC WORKS (hereinafter referred to as the COUNTY and HDR Engineering, Inc. (hereinafter referred to as the CONSULTANT) relative to the transportation facility described as follows:

Financial Project ID: 452517-1-22-01

Federal Aid Project No.: N/A

ETDM No.: 14522

County Section No.: 15

Bridge No.: 150220, 154151, 154154, 154155, 154156, 154157, 154158 & 154159

Railroad Crossing No.: N/A

Project Type: Highway

Lead Agency: FL Department of Transportation

Federal Funding: N/A

Anticipated Class of Action: Type 2 Categorical Exclusion

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1.0 SCOPE OF SERVICES PURPOSE

The Scope of Services describes the responsibilities of the CONSULTANT and Pinellas County (COUNTY) when conducting Project Development and Environment (PD&E) Studies necessary to comply with DEPARTMENT procedures and underlying laws and regulations and to obtain FL Department of Transportation approval of the Environmental Document.

All activities encompassed by this Scope of Services include:

- Major work groups include: 2.0, 3.2, 4.1.2, 6.1
- Minor work groups include: 9.1

The Project development process and all tasks identified in this Scope of Services will follow the guidance provided in the DEPARTMENT's current version of the **PD&E Manual** and **FDOT Design Manual (FDM)**. As discussed in **Part 1, Chapter 1**, of the **PD&E Manual**, the **PD&E Manual** satisfies state and federal processes and incorporates the requirements of the National Environmental Policy Act (NEPA); federal law, regulations, and Executive Orders included in the FHWA Federal-Aid Policy Guide; and applicable state laws and regulations including Section 339.155 of the Florida Statutes and Rule Chapter 14 of the Florida Administrative Code. As such, Project documents prepared by the CONSULTANT will comply with all applicable state and federal laws, regulations, and Executive Orders.

The Scope of Services defines the Project tasks to be performed consistent with the **PD&E Manual** and other pertinent manuals as specifically prescribed in Section 2. The Scope of Services also outlines work activities that will be the responsibility of the CONSULTANT, the COUNTY and / or the DEPARTMENT.

The CONSULTANT shall demonstrate good project management practices while working on this Project, including effective communication with the COUNTY and others as necessary, effective management of time and resources, and quality of documentation. Throughout the PD&E Study, the CONSULTANT shall set up and maintain a contract file in accordance with COUNTY procedures. The CONSULTANT and any subconsultants are expected to know the laws and rules governing their profession and are expected to provide professional services in accordance with current and applicable regulations, codes, ordinances, and standards.

The COUNTY will provide contract administration and management, as well as technical reviews of all work associated with the development of this Project and performed under this Scope of Services. The COUNTY'S and DEPARTMENT's technical reviews will focus on high-level conformance and are not meant to substitute CONSULTANT quality reviews of deliverables. The CONSULTANT is fully responsible for all work performed and work products developed under this Scope of Services. The COUNTY may provide task-specific information as outlined in this Scope of Services.

2.0 PROJECT DESCRIPTION AND OBJECTIVES

The proposed PD&E study will evaluate alternatives for capacity and safety improvements along East Lake Road (CR 611) from south of Curlew Road to north of Trinity Boulevard, approximately 9.3 miles.

2.1 PROJECT OBJECTIVES

The PD&E Study has the following project objectives:

The overall objective of this study is to accommodate future roadway capacity, improve traffic operations and improve safety conditions on East Lake Road within the project corridor. Alternatives evaluated will include widening the existing roadway to six lanes combined with innovative intersection improvements. Results of a previous study conducted by the COUNTY indicate that widening alone will not sufficiently address future capacity needs along the corridor.

The CONSULTANT will analyze and assess the Project's impact on the social, economic, cultural, natural, and physical environment, to develop the Location and Design Concept of the Project in accordance with COUNTY and FDOT policy, procedures, and requirements.

The CONSULTANT shall review and become familiar with Project documents and materials that have been prepared prior to the PD&E phase. The CONSULTANT will review the Efficient Transportation Decision Making Process (ETDM) Programming Screen Summary Report, including comments received from the Environmental Technical Advisory Team (ETAT), Lead Agency, and / or any responses from the DEPARTMENT pertaining to this Project. The CONSULTANT shall also review concepts and reports (e.g., typical sections, alignments, planning reports) developed from prior planning studies. The CONSULTANT shall use resource agencies' comments to assess the level of effort for work activities required to adequately address potential resources of concern to this Project.

2.2 PROJECT REQUIREMENTS AND PROVISIONS FOR WORK

The CONSULTANT will conduct the appropriate level of engineering and environmental analyses related to the anticipated Class of Action for this Project, as outlined in the **PD&E Manual**, the **FDM** and directed by the Project objectives. The level of analysis depends on complexity of the Project, level of controversy, potential for significant impacts, and degree and quality of information / data available. If the Class of Action for the Project was not determined during ETDM screening, the Lead Agency will determine it after completion of the environmental analyses.

The CONSULTANT upon direction from COUNTY will assist with updating data, technical studies or Environmental Document to ensure compliance with NEPA, other federal laws, regulations and Executive Orders.

The CONSULTANT will maximize the use of existing information available from State, regional, local agencies, private sources, and its own files. Examples include the

Programming Screen Summary Report, Concept Reports, previously completed planning products, listed species reports, Florida Department of Environmental Protection OCULUS Electronic Document Management System, and other sources as appropriate.

Planning studies relevant to this project which the CONSULTANT is required to review include:

- East Lake Road from south of Curlew Rd to north of Trinity Blvd Corridor Study
County PID 003879A

2.2.1 Governing Regulations

Services performed by the CONSULTANT shall comply with all applicable DEPARTMENT Manuals and Guidelines. The CONSULTANT will use the latest editions of the following Manuals and Guidelines to perform work for this Project.

Florida Statutes

- Florida Administrative Codes
- Applicable Federal Regulations, U.S. Codes, and Technical Advisories
- PD&E Manual
- Sociocultural Effects Evaluation Handbook
- Public Involvement Handbook
- FDOT Design Manual (FDM)
- Minimum Standards for Design, Construction, and Maintenance Streets and Highways (Florida Greenbook)
- Survey and Mapping Handbook
- Soils and Foundation Handbook
- Structures Manual
- Project Traffic Forecasting Handbook & Project Traffic Forecasting Procedure No. 525-030-120
- Traffic Analysis Handbook
- FDOT Traffic Engineering Manual
- Right of Way Mapping Handbook
- Pinellas County Land Development Code
- Pinellas County Stormwater Manual
- Pinellas County AutoCAD Civil 3D Civil 3D Kit

2.2.2 Liaison Office

The COUNTY and the CONSULTANT will designate their respective Liaison Offices for this Project.

2.2.3 Personnel

The COUNTY will designate a Project Manager to represent the COUNTY for this Project. The COUNTY Project Manager shall be responsible for coordination with the CONSULTANT pertaining to all contractual matters, invoicing, and reporting. The CONSULTANT will assign a Project Manager who will communicate regularly with the COUNTY Project Manager regarding development of this Project.

The CONSULTANT shall maintain staffing levels and personnel qualifications necessary to complete the required activities for this Scope of Services. The CONSULTANT shall assign only competent technical and professional personnel qualified by the necessary experience and education to perform assigned work.

The CONSULTANT's work shall be performed to COUNTY standards and procedures by personnel identified in the contract. To the extent possible, the CONSULTANT shall minimize the COUNTY's need to apply its own resources to the Scope of Services activities unless otherwise identified.

The CONSULTANT shall request approval from the COUNTY's Project Manager for any modifications or additions to the list of available staff prior to the initiation of any work by that individual. If applicable, new job classifications may be added to the contract via contract amendment and will require approval by Procurement. The CONSULTANT shall submit a copy of the resume and payroll register before new staff can be added.

The CONSULTANT shall have a Licensed Professional Engineer in the State of Florida to sign and seal all engineering reports, documents, technical special provisions, and plans as required by COUNTY standards.

2.2.4 Subconsultant

Services assigned to any subconsultants will be approved in writing and in advance by the COUNTY Project Manager, Procurement Office, and the CONSULTANT Project Manager in accordance with this Scope of Services. All subconsultants will be technically qualified by the COUNTY to perform all work assigned to them. Additional subconsultants with specialized areas of expertise may be required to complete specific assignments. Any subconsultants to be hired and all work assignments to be performed, and all rates of compensation shall be agreed to by the COUNTY Project Manager, Procurement Office and the CONSULTANT Project Manager and documented in the contract file prior to any work being performed by the subconsultants.

2.2.5 Lead Agency, Cooperating Agencies and Participating Agencies

The CONSULTANT Project Manager will support the COUNTY Project Manager in coordination with the Lead Agency, Cooperating Agencies and Participating Agencies. The Lead Agency for this Project is FL Department of Transportation.

2.2.6 Meetings and Presentations

The CONSULTANT will attend the Notice to Proceed Meeting, where COUNTY representatives will outline relevant contract and Project information provided by the COUNTY Project Manager.

The CONSULTANT shall attend meetings necessary to undertake the activities of this Scope of Services. This includes meetings with COUNTY staff and /or resources agency staff, other consultants, or other miscellaneous meetings. It is anticipated that

24 monthly progress and/or review meetings will be held between the COUNTY and the CONSULTANT during the project. In addition, it is anticipated that 6 meetings will be held with the Department (including the COUNTY and CONSULTANT). In addition, miscellaneous review meetings may be needed.

The CONSULTANT will attend meetings or make presentations at the request of the COUNTY with at least five business days' notice. The CONSULTANT will prepare meeting notes for all meetings identified in this Exhibit and submit within five (5) working days to the COUNTY's Project Manager for review.

The CONSULTANT will attend preliminary methodology meetings with the FDOT to discuss the technical approach for the Natural Resource Evaluation, Noise Study, Section 4(f) evaluation, Cultural Resource Evaluation and Contamination Screening Evaluation Report.

2.2.7 Communication

The COUNTY Project Manager will be the representative of the COUNTY for the Project. The CONSULTANT will use regularly communicate with the COUNTY Project Manager to discuss and resolve issues or solicit opinions regarding this Project. The CONSULTANT will include the COUNTY when seeking and receiving advice from various State, regional, local agencies, and citizen groups. The final direction on all matters for this Project remains with the COUNTY Project Manager.

All written correspondence between the CONSULTANT and any party pertaining specifically to this Project shall be reviewed and approved by the COUNTY. The CONSULTANT shall respond to information requests relative to the PD&E Study from third parties at the direction, and with the approval, of the DEPARTMENT. The CONSULTANT will assist the COUNTY in preparing the content of the letters from the COUNTY personnel to other agencies, public officials, and others as needed or requested.

2.2.8 Quality Control

The COUNTY requires that all Project documents, technical studies, calculations, maps, reports, conceptual plans, design, and the Environmental Document are correct and complete, appropriate for the intended purposes, and conform to requirements of this Scope of Services. The CONSULTANT is responsible for the quality of all (including the subconsultants) deliverables. The CONSULTANT will independently and continually review deliverables for accuracy and completeness. The CONSULTANT will develop and follow an internal Quality Control (QC) process. The QC process is intended to ensure that quality is achieved through checking, reviewing, and verifying work activities and deliverables by qualified individuals who were not directly responsible for performing the initial work.

Within twenty (20) business days from the Notice to Proceed, the CONSULTANT shall submit its QC Plan to the COUNTY Project Manager for approval. The QC Plan will identify the deliverables, the personnel to perform the reviews, and the method of

documentation. The QC Plan will be signed by the CONSULTANT Project Manager and the CONSULTANT QC Manager.

The CONSULTANT shall include document reviews and written resolution of comments with each submittal or deliverable to show the QC process was followed. At a minimum, a quality review checklist shall be provided and should include letters, exhibits, technical studies, reports, design calculations, Environmental Document or any documents used or referenced in the QC Plan. The CONSULTANT will maintain documentation which show the QC Plan process was followed. The COUNTY Project Manager may request from the CONSULTANT document reviews and written resolution of comments at any time during the PD&E Study.

2.2.9 Schedule

Within ten business days after the Notice to Proceed, and prior to the CONSULTANT beginning work, the CONSULTANT shall submit a detailed Project activity / event schedule (in Microsoft Project) to the COUNTY. The schedule will indicate all required submittals, critical path activities, and key project milestones / activity codes. The Project schedule shall contain at a minimum, the following information for each schedule activity: COUNTY project FPID, project description, activity description, original duration, remaining duration, start date, finish date, activity percent complete and total float. The project schedule will include a column displaying each activity's Predecessor and Successor. The schedule will be based upon consideration of the Project's environmental issues (social, cultural, natural and physical resources) and regulatory requirements as well as review times for deliverables by the COUNTY and the DEPARTMENT.

For the purpose of scheduling, the CONSULTANT shall allow for a review period of at least 21 days for COUNTY review and 21 days for DEPARTMENT review. In developing the schedule for this Project, the CONSULTANT, in coordination with the COUNTY, will include adequate time to meet regulatory reviews and formal consultations timeframes.

Periodically throughout the life of the contract, the CONSULTANT shall review the project schedule to monitor the progress of the project. The CONSULTANT shall submit monthly progress reports with the approved schedule and schedule status report, which includes critical-path review and progress, to the COUNTY Project Manager. Any adjustments or changes to the approved schedule shall be approved by the COUNTY Project Manager.

2.2.10 Submittals

The CONSULTANT will compile and transmit draft documents identified in this Scope of Services to the COUNTY for review. The CONSULTANT will compile and transmit draft documents identified in this Scope of Services to the COUNTY for review. For each submittal, the CONSULTANT will include a Transmittal Cover Letter that includes, at a minimum, the file name and format of each electronic file and the number of hardcopies (if any) as directed by the COUNTY Project Manager.

The COUNTY will review draft submittals and provide the CONSULTANT with review comments. The CONSULTANT will address comments, prepare a matrix of comments and responses as applicable, and submit revised documents. The CONSULTANT will assist the COUNTY in resolving the comments received from the Lead Agency, Cooperating Agencies, resource agencies and the public, including preparation of individual responses. The COUNTY will submit revised draft submittals to the DEPARTMENT for review as appropriate. The DEPARTMENT will review draft submittals and provide the COUNTY with review comments.

Hard copies of reports will be required for display at the Alternatives Public Information and the Public Hearing.

The following submittals will be required for this project:

PD&E Provisions for Work:

- Quality Control Plan
- Project Schedule

Public Involvement:

- Public Involvement Plan
- Public Hearing Transcript
- Public Hearing Scrapbook
- Comments and Coordination Report

PD&E Engineering:

- Report Template
- Project Traffic Analysis Report
- Preliminary Engineering Report
- Pond Siting Report
- Conceptual Design Plan Set
- Utilities Assessment Package
- Design Variations and Exceptions Package
- Typical Section Package
- Traffic Analysis Methodology Statement
- Future Demand Forecasting Analysis Report
- Location Hydraulics Report
- Geotechnical Technical Memorandum

Environment:

- Type II Categorical Determination Exclusion Form
- Noise Study Report
- Air Quality Technical Memorandum
- Level I Contamination Screening Evaluation Report (CSER)
- Water Quality Impact Evaluation (WQIE)
- Natural Resource Evaluation (Wetlands, Species and Essential Fish Habitat (EFH))

- Research Design and Survey Methodology (CRAS)
- Cultural Resource Assessment Survey (CRAS)
- Section 4(f) "de minimis"

General:

- Planning Consistency Form
- Project Commitments Record

Other Submittals:

The CONSULTANT will submit to the COUNTY final reports and other deliverables identified in this section. The CONSULTANT will submit to the COUNTY two sets of CDs/DVDs or other portable storage drives such as flash drives or USB drives containing PDFs of all submittals outlined in this section.

Upon completion of the Project, the CONSULTANT will transfer to the COUNTY, in an organized manner, all project electronic files, data, maps, sketches, worksheets, and other materials used or generated during the PD&E Study in an acceptable portable storage drive.

Additionally, the CONSULTANT will upload all final submittals and appropriate supporting project files to the Statewide Environmental Project Tracker (SWEPT) upon completion of technical studies and Environmental Document and as directed by the COUNTY.

2.2.11 Computer Automation

The CONSULTANT shall develop concept plans and alternative designs utilizing Computer Aided Drafting and Design (CADD) systems. The CONSULTANT will produce and deliver applicable plan drawings using the COUNTY latest AutoCAD Civil 3D Kit version.

Concept plans and alternatives designs shall also be displayed using Google Earth-ready KMZ files. The concept plans will have both existing and proposed engineering and environmental features.

All electronic files shall be scanned for viruses prior to submitting to the COUNTY. Failure to scan for viruses may result in a lower CONSULTANT work performance evaluation.

2.3 COORDINATION WITH OTHER CONSULTANTS AND ENTITIES

The CONSULTANT will coordinate work activities with any ongoing and/or planned COUNTY projects that may affect this project. The COUNTY and CONSULTANT shall coordinate with local governmental entities to ensure project concepts are compatible with local improvements and right of way activities. The CONSULTANT will inform the COUNTY Project Manager of all coordination activities with other

agencies or entities prior to holding such activities. The COUNTY Project Manager shall be included in all such coordination activities.

2.4 CONTRACT MANAGEMENT

The CONSULTANT is responsible for maintaining Project files, including copies of submittals and underlying data, calculations, information and supporting project documentation. The CONSULTANT is responsible for preparing monthly progress reports and schedule updates. Progress reports will be delivered to the COUNTY in a format prescribed by the COUNTY Project Manager with the corresponding invoice.

The CONSULTANT will regularly communicate the status of the project with the COUNTY while managing subconsultant efforts and executing subconsultant agreements.

2.5 ADDITIONAL SERVICES – N/A

The CONSULTANT will be requested to provide the following additional services for this Project.

2.5.1 Alternative Corridor Evaluation – N/A

Alternative Corridor Evaluation is not required or conducted prior to the PD&E for this project.

2.5.2 Advance Notification – N/A

2.5.3 Scoping – N/A

Scoping is not applicable for this project.

2.5.4 Notice of Intent- N/A

Notice of Intent is not applicable for this project.

2.5.5 Transit Coordination Plan – N/A

Agency coordination is covered under Section 3.1 of this Exhibit.

2.5.6 Miscellaneous Services -N/A

2.6 SERVICES TO BE PERFORMED BY THE COUNTY AND THE DEPARTMENT

The COUNTY will provide the following services and materials:

- Reviews of technical reports and Environmental Documents;
- Recently completed roadway studies for the study area
- All information in its the possession of the COUNTY pertaining to prior and on-going studies that may affect the project such as existing construction and as-built plans, bridge inspection reports and load ratings, prior environmental studies, existing permit information, existing drainage and geotechnical reports and any agreements with third parties related to the Project corridor

- Access to the COUNTY's Flood Resiliency Tool.

The DEPARTMENT will provide the following services and materials:

Provide project data currently on file and available from study partners, such as:

- Efficient Transportation Decision Making (ETDM) Programming Summary Report
- Coordination with the State Historic Preservation Officer
- FDOT crash data
- Available traffic and planning data
- Reviews of technical reports and Environmental Documents

2.7 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 Public Works, or designee. The fee for such services shall be negotiated in accordance with the terms detailed in **Exhibit B**, method of compensation, for a fair, competitive and reasonable cost, considering the scope and complexity of the project. A supplemental agreement for the optional services shall be executed in accordance with Section 2 of the Standard Professional Services Agreement Terms. Optional Services under this contract include:

- Preparation of a Conceptual Stage Relocation Plan if relocations are required
- Preparation of USCG Bridge Project Questionnaires for the bridges over Brooker Creek and/or the Tarpon Outfall canal if required by the USCG.
- Traffic Data for Air Quality Analysis if required
- Origin and Destination Study
- Right-of-way cost estimates.
- Conceptual Mitigation Plan

3.0 PUBLIC INVOLVEMENT

Public involvement includes communicating to and receiving input from all interested and affected persons, groups, business owners, and government organizations regarding the development of the project. The CONSULTANT will coordinate and perform the appropriate level of public involvement for this Project as outlined in Part 1, Chapter 11, and Part 2, Chapter 4 of the PD&E Manual, and the FDOT Public Involvement Handbook.

The CONSULTANT shall prepare a detailed schedule for preparation and submittal of all draft and final public involvement materials (e.g., newsletters, property owner letters, advertisements, handouts, exhibits) associated with public meetings which includes anticipated review times. All draft public involvement materials for public meetings (including the hybrid public hearing) should be submitted for review and approval at least three months prior to the public meeting.

3.1 PUBLIC INVOLVEMENT

3.1.1 Public Involvement Plan (PIP)

The CONSULTANT is responsible for creating the PIP which will include a public involvement schedule and identify potentially affected stakeholders and communities in the vicinity of the project to establish the appropriate outreach methods. This includes consideration of the demographics of the Study Area and any reasonable accommodations including, but not limited to, disabled, transit-dependent, limited English proficient (LEP), elderly, low income, or minority. The CONSULTANT will review and attach the Sociocultural Data Report (SDR) to the PIP. A sample template for the PIP is located in **Part 1, Chapter 11** of the **PD&E Manual**. At a minimum, the PIP will include the following:

- Project background
- Project goals
- Identification of elected officials and agencies
- Identification of affected communities and stakeholders
- Identification of media (e.g. television, radio, newspaper) for news and/or advertisement
- Proposed involvement activities
- Anticipated schedule of involvement activities
- Methodology for collecting and responding to public comments
- Discussion of public comments will be analyzed and incorporated, as appropriate

As part of the Project's PIP the CONSULTANT will develop public involvement materials using the COUNTY's approved template and submit the information to be uploaded to the COUNTY's project website. The website will be created and maintained by the COUNTY. The CONSULTANT will provide content to post on the website for the duration of the project. All information to be posted to the website must meet requirements of the Americans with Disabilities Act (ADA).

3.1.2 Public Involvement Data Collection

The CONSULTANT will assist the COUNTY with collecting data specific to the public involvement process and preparing responses to any public inquiries received throughout the Project. The CONSULTANT will maintain and regularly update both an electronic and paper public involvement project file, which will document a record of all public involvement activities for this project.

The CONSULTANT is responsible for identifying and maintaining the Project mailing list that may include officials and interested parties (any person or institution expressing an interest in the project), affected parties, and potential permit and review agencies.

The CONSULTANT will work with the COUNTY to generate or obtain mailing labels of property owners using the ETDM Environmental Screening Tool (EST) or the County Property Appraisers' Offices.

The CONSULTANT will investigate potential meeting locations to advise the COUNTY of their suitability. The COUNTY will ultimately approve the meeting location. The CONSULTANT will pay all costs for meeting location rental and insurance (if required). The CONSULTANT will be responsible for logistics associated with setting up the meeting.

3.2 SCHEDULED PUBLIC MEETINGS

The CONSULTANT will actively support the COUNTY in conducting various public meetings, which may be conducted during weekends or after normal working hours. The CONSULTANT will support the COUNTY in preparation, scheduling, attendance, note taking, documentation, and follow-up services for each meeting, which may include:

- 3 presentations to the Forward Pinellas Board and to their 3 Advisory Committees PBAC (1), TCC (1), CAC (after project kick-off, prior to or following the Alternatives Public Information Meeting, and near the Public Hearing) 12 meetings total
- 1 SWFWMD Coordination Meetings with Key Agencies
- 0 Corridor Workshop(s) or Public Informational Meeting(s)
- 1 Alternatives Public Information Meeting
- 6 Community / Stakeholder Forums
- 0 Environmental Forum(s)
- 3 Pinellas County BCC Meetings (Project Kickoff Meeting and one each prior to Alternatives Workshop and Public Hearing)

For any of the listed meetings, as applicable, the CONSULTANT will prepare and/or be responsible for the following:

- Agenda
- Presentation scripts
- Handouts
- Graphics for presentation
- Meeting equipment set-up and tear-down
- Display advertisements (The COUNTY will reimburse as direct expense for the cost of newspaper display advertisements.).
- Postcard, newsletter, or letters notification of elected and appointed officials, property owners, and other interested parties (The COUNTY will reimburse as direct expense for the cost of printing and mailing the postcard and newsletters).
- News releases or project fact sheets. The COUNTY will review news releases and fact sheets at least four weeks before the meeting or mail out
- Meeting summaries provided to the COUNTY no later than ten business days after the meeting
- Preparation of response letters for COUNTY signature on public comments

Any materials prepared by the CONSULTANT for such meetings as listed above are subject to review and approval by the COUNTY.

The CONSULTANT will assist the COUNTY when facilitating the public information meeting / workshop to present Project results and obtain comments related to the Project and / or Project alternatives.

The meeting format will be developed by the CONSULTANT and approved by the COUNTY upon review. The CONSULTANT will participate in briefing and debriefing meetings with the COUNTY staff related to the public meeting.

The CONSULTANT will attend the meetings with a suitable number of personnel with appropriate technical expertise (based on project issues), as authorized by the COUNTY Project Manager, to assist the COUNTY in such meetings.

The COUNTY may request the CONSULTANT to identify the effect of the Project to individual properties on aerial maps or plans in response to requests from property owners. The COUNTY may also request the CONSULTANT to meet with individual property owners.

3.3 PUBLIC HEARING

A Hybrid (simultaneous in-person and virtual) Public Hearing in accordance with FDOT guidelines will be required for this project.

The CONSULTANT will send notifications to the Lead Agency, local governments, and regulatory agencies at least 25 but no more than 30 calendar days prior to the Public Hearing date.

The CONSULTANT will prepare the Public Hearing notification as directed by the County. Notifications will include a newsletter and email notice for COUNTY review and signature 30 days prior to mailing or as directed by the COUNTY. The CONSULTANT will first prepare draft newsletter and officials/agency notification email for review and approval by the COUNTY prior to submitting all notifications for review. The notification letters shall have the COUNTY's return address. After the COUNTY approves the newsletter, the CONSULTANT will send them by First Class US Mail. The COUNTY will reimburse as direct expense for the cost of printing and mailing the newsletter. The COUNTY Project Manager will send the officials/agency notification letters by email.

The CONSULTANT will obtain a list of names and addresses of property owners for the mailing list from the Environmental Screening Tool (EST) and/or Property Appraisers' Offices.

The CONSULTANT will send newsletters to property owners at least 21 calendar days prior to the Public Hearing. The CONSULTANT will provide the following:

- Public Hearing Notice and publication in the Florida Administrative Register (FAR). The COUNTY will reimburse as direct expense for the cost of publication.
- Notification for posting on the COUNTY's Public Notices webpages
- Identification of the website(s) and/or locations where the technical reports and Environmental Documents will be available for public view

- Presentation with script, narrated and pre-recorded
- Proposed typical sections and aerials depicting alternative corridors and alternative alignments, as specified by the COUNTY
- Meeting location signs
- Brochures or handouts
- Title VI compliance signs
- Display advertisements, including press releases and / or newspaper advertisements. All display advertisements will indicate that the meeting is a COUNTY activity. The COUNTY will reimburse as direct expense for the cost of newspaper display advertisement.
- Expenses associated with arranging for a court reporter to be present and obtaining transcripts of comments made during the Public Hearing. The COUNTY will reimburse as direct expense for the cost of hiring the court reporter.
- Response to public comments
- Public Hearing Scrapbook

The COUNTY will provide security (off-duty law enforcement), if necessary. The CONSULTANT will participate in briefing and debriefing meetings with the COUNTY related to the Public Hearing. The CONSULTANT will prepare response letters for COUNTY signature for all public comments. Any such response letters would need to be reviewed and approved by the COUNTY Project Manager. In addition, the CONSULTANT will prepare a summary document that provides responses to questions raised by the public at the public meeting. This document will be posted on the project website.

3.4 COMMENTS AND COORDINATION REPORT

The CONSULTANT will prepare Comments and Coordination Report containing transcript, errata, and signed certification, as well as documentation for all public involvement activities conducted throughout the project in accordance with **Part 1, Chapter 11** of the **PD&E Manual**.

3.5 NOTIFICATION OF APPROVED ENVIRONMENTAL DOCUMENT

The CONSULTANT shall prepare a display advertisement for the notification of the Approved Environmental Document. The COUNTY will review and approve the notice prior to publication. The CONSULTANT will prepare a postcard mailer to send to the public to announce the completion of the study upon approval of the environmental document by FDOT. The COUNTY will reimburse as direct expense for the cost of printing and mailing the post card. The COUNTY will reimburse as direct expense for the cost of the newspaper ad.

3.6 ADDITIONAL PUBLIC INVOLVEMENT REQUIREMENTS

The CONSULTANT shall:

- Prepare a post card to notify the general public that the PD&E study has begun in lieu of a “project kick-off public meeting.” The COUNTY will reimburse as direct expense for the cost of printing and mailing the post card.
- Prepare a Project Newsletter to be distributed as a notification for Alternatives Public Information Meeting. The COUNTY will reimburse as direct expense for the cost of printing and mailing the newsletter.
- Provide content for the County’s website including public review draft and final documents. All information to be posted to the website including study reports must meet requirements of the Americans with Disabilities Act (ADA).
- Provide a list of Frequently Asked Questions (FAQs) and answers to post on the project website.
- Assist County staff with responses to general public correspondence as needed.
- Collect drone footage of corridor and intersections to prepare 3-D photo-simulation renderings for each signalized intersection (3 for each of the 9 signalized intersection). This includes 2 alternatives to present at the Alternatives Workshop and 1 final graphic to present at the Public Hearing. Prepare typical cross section graphics and Vissim intersection animations/visualizations for use in Alternatives Workshop and Public Hearing.
- Prepare a Physical Layout of Innovative Intersections to “Walk Through” at Alternatives Workshop.

4.0 ENGINEERING ANALYSES AND CONSIDERATIONS

CONSULTANT activities to conduct and prepare engineering analyses and reports shall be done under the direction of the COUNTY Project Manager. The CONSULTANT shall perform engineering activities essential to developing and evaluating Project alternatives as outlined in **Part 2, Chapter 3** of the **PD&E Manual** and as specified in this section. The CONSULTANT will gather and review existing data from the COUNTY, such as transportation planning data developed for long range plans or any previously completed technical studies within the project area. The CONSULTANT will collect additional data necessary to supplement existing data. The CONSULTANT will use data to evaluate the Location and Design Concept for this project.

The CONSULTANT will verify the purpose and need for the Project based on the information obtained from the existing data, safety analysis, evaluation of existing conditions, evaluation of traffic projections, input received through the public involvement process and from the Programming Screen Summary Report.

The CONSULTANT shall develop and analyze conceptual design alternatives to address the Project needs and objectives. Development of the conceptual design alternatives will follow Context Sensitive Solution and Complete Streets approaches. Based on engineering analysis, the public involvement process, and environmental analysis, the COUNTY will recommend a proposed design concept to advance to the Design Phase.

4.1 REVIEW OF PREVIOUS PLANNING STUDIES

The CONSULTANT shall review and summarize previous completed (or concurrent) planning studies and other studies that are related to this Project and appropriately

incorporate their results in the analysis of the Project as described in the **PD&E Manual**. The following studies were conducted for this Project:

- East Lake Road from south of Curlew Rd to north of Trinity Blvd Corridor Study
County PID 003879A

4.2 EXISTING CONDITIONS ANALYSIS

An Existing Conditions Analysis was conducted during the Corridor Study conducted previously for this project corridor. This document should be used as a starting point for an Existing Conditions Analysis for this study. Field reviews and data collection will be conducted to update or augment the report prepared during the Corridor Study. The CONSULTANT will conduct field observations to review existing field conditions, verify desktop data, and obtain additional data required to understand the Project area, assess Project needs, identify physical and environmental constraints, develop, and analyze Project alternatives, and assess constructability issues.

The CONSULTANT will collect data describing existing conditions and characteristics of the Project including roadway geometrics, typical section elements, signalization and other operational features, access features, right of way requirements, and other data applicable to modes and sub-modes of transportation, including walking/pedestrians, bicyclists, public transit users (including transit vehicles and riders), paratransit users (carpools, vanpools, taxis, shuttles, jitneys, school buses, coach buses), and freight (including loading/unloading and parking, emergency response vehicles, service vehicles, and freight handler vehicles).

The CONSULTANT will analyze existing conditions to identify and verify current transportation deficiencies as they relate to the needs and objectives of this Project.

The CONSULTANT will furnish necessary exhibits for use in this Project, such as a Project Location Map, Corridor Maps, and Concept Plans.

4.3 SURVEY

Survey will be provided by the COUNTY. The CONSULTANT will coordinate with the COUNTY'S Survey staff as needed throughout the project.

4.4 GEOTECHNICAL INVESTIGATION

The CONSULTANT shall provide a geotechnical study to obtain the information necessary for the study. The geotechnical study shall provide information necessary to determine the suitability of soils for future improvements, existing ground water levels and estimation of seasonal high groundwater table. The CONSULTANT shall also review the US Department of Agriculture soil data, Natural Resource Conservation Service (NCRS) maps, US Geological Survey (USGS) maps, and summarize the findings.

The CONSULTANT shall also perform a review of previously completed geotechnical surveys and compile available boring data from previous projects

within the project limits. The CONSULTANT will perform field reconnaissance of the Project area to determine conditions that may affect development of Project alternatives. The CONSULTANT will prepare a Geotechnical Technical Memorandum summarizing the geotechnical investigation that will be used to facilitate the data for final design.

The CONSULTANT shall apply for a permit from the COUNTY prior to performing work within the right of way. The permit application shall include the investigation plan and proposed boring locations and depths. All laboratory testing and classification will be performed in accordance with applicable DEPARTMENT standards, ASTM Standards or AASHTO Standards. CONSULTANT shall stake boring locations and obtain utility clearances prior to any boring.

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

CONSULTANT shall provide a Geotechnical Memorandum with information regarding data collection and findings. Report shall include, but not be limited to, geotechnical recommendations regarding subsoil conditions within the median of East Lake Road and any special considerations may be necessary for future improvement including roadway sections, drainage and drainage structures.

4.5 TRAFFIC ANALYSIS

The CONSULTANT will review existing traffic data from planning studies to carry out traffic analysis for this Project and determine whether additional data may be needed. The CONSULTANT will collect additional data for the Study Area if data gaps are identified. The CONSULTANT will review the following Traffic Reports and Planning studies:

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

4.5.1 Traffic Analysis Methodology

The CONSULTANT shall develop a Traffic Analysis Methodology Statement that will be used to perform the traffic analysis for the project. The Methodology will include an approach to evaluate safety and operational performance of the alternatives with the goal of recommending a preferred alternative and will need to be approved by the DEPARTMENT. A Traffic Analysis Methodology Meeting with the DEPARTMENT, County and Consultant will also be required to discuss the Traffic Analysis Methodology Statement.

The CONSULTANT shall prepare a forecast and analysis methodology which will be agreed upon by the DEPARTMENT and COUNTY prior to beginning any analysis.

The methodology will state the type of documentation, Project Study Area to be analyzed, and method and assumptions that will be used to analyze existing and future traffic conditions.

Capacity analysis will be based on the latest Highway Capacity Manual procedures and use appropriate traffic analysis software for this Project. The AASHTO HSM will be used to evaluate safety performance of the project alternatives. The CONSULTANT will submit traffic analysis files for assumptions, inputs, outputs, network data, calculations, and results to the DEPARTMENT and COUNTY.

4.5.2 Traffic Counts

The CONSULTANT will perform vehicle turning movement counts (TMCs) at 13 signalized intersections and 24 unsignalized intersections. The TMCs will be conducted for three hours in the AM peak period (6 AM to 9 AM) and three hours in the PM peak period (4 PM to 7 PM). All turning movement counts will be collected on a typical travel day (school in session, no holidays, etc) either on a Tuesday, Wednesday, or Thursday. All 6-hr TMCs will include pedestrian and bicycle counts.

The CONSULTANT will also perform 72-hr bi-directional approach counts at the 12 signalized intersections along East Lake Rd during a typical travel week with counts collected on Tuesday through Thursday.

4.5.3 Vehicle Classification Counts on Roadway Segments and Ramps – N/A

4.5.4 Pedestrian, Bicycle, and Other Multimodal Data

Pedestrian and bicycle counts will be collected at all signalized and unsignalized TMC count locations.

4.5.5 Calibration and Validation Data Collection

The CONSULTANT shall conduct AM and PM travel time runs along the corridor using INRIX software data, Bluetooth data, and/or floating car method. The travel time data will be used to calibrate the microsimulation models in conjunction with field observations of existing congestion and bottleneck locations.

4.5.6 Existing Traffic Operational Analysis

The CONSULTANT shall develop traffic factors to use for the analysis and to develop DDHVs. Peak hour factors (PHFs) for the existing conditions analysis shall be based on an average overall factor from the traffic count data collection. Future year PHFs may be modified based on guidelines as found in the Highway Capacity Manual (HCM) and other technical resources to reflect anticipated conditions.

The **CONSULTANT** shall develop traffic characteristics (K, D and T factors) in accordance with FDOT's Project Traffic Forecasting Handbook (2019). The D factors will be developed based on the traffic count data collected and historical Florida Traffic Online (FTO) data. Traffic factors and characteristics shall be summarized and provided in the report along with supporting documentation of adjustments.

Truck percentages and vehicle composition for daily and design hour volumes shall be obtained from the FDOT traffic count stations and compared to the counts collected for this study.

The **CONSULTANT** shall evaluate the East Lake Rd corridor and various signalized and unsignalized intersections. The **CONSULTANT** shall use the VISSIM microsimulation program to conduct the traffic analysis. The **CONSULTANT** may use SYNCHRO for preliminary timing scheme optimization for 13 signalized intersections within the study limits.

The existing conditions VISSIM model will be based on existing as built plans, aerial photography, photographs, signal timing parameters, existing traffic volumes and operational characteristics.

Documentation will include the basic methodology, coding and output for the intersections (delay, queues, travel times, and network-wide measures).

4.5.7 Calibration and Validation

The **CONSULTANT** will calibrate the existing conditions model to reasonably match the traffic operations observed in the field. The objective of model calibration is to obtain the best match possible between model performance and field measurements of performance. The existing conditions VISSIM traffic simulation models will be calibrated to existing AM and PM peak periods. Default traffic factors in the modeling software will be adjusted to obtain similar results to those conditions observed in the field to a reasonable degree of accuracy. This will be accomplished using methods and guidance from FDOT's Traffic Analysis Handbook and FHWA's Traffic Analysis Toolbox Volume III. The calibration effort will focus on the VISSIM model realistically reflecting the performance along East Lake Rd (volumes/travel time). The calibration parameters will be applied to the future conditions models.

4.5.8 Future Demand Forecasting

The **CONSULTANT** shall prepare the Future Demand Forecasting based upon the DEPARTMENT and County approved Traffic Analysis Methodology Statement. A Future Demand Forecasting Analysis Report will be prepared by the Consultant documenting the results of the travel demand forecasting and will need to be approved by the Department and County. The Consultant shall review all previously completed documents and reports.

4.5.9 No Build Analysis

The CONSULTANT will analyze the operational performance of the No Build Alternative using VISSIM microsimulation software for the opening year (2030) and design year (2050) to identify deficiencies related to the purpose and need for the project based upon the DEPARTMENT And County approved Traffic Analysis Methodology Statement. The CONSULTANT will evaluate the operational effectiveness of the No Build Alternative using agreed upon performance measures of effectiveness (MOEs). The analysis should include multimodal evaluation for pedestrian, bicycle, freight, and transit modes, as appropriate.

4.5.10 Development and Screening of Alternatives

The CONSULTANT will utilize the ICE analysis previously completed as part of the East Lake Road Traffic Evaluation Report, dated November 2021, as a basis for screening alternatives. An additional Stage 1 ICE analysis and geometric vetting will be conducted to determine up to two alternatives at each of the 12 signalized intersections within the study area.

4.5.11 Operational Evaluation of Build Alternatives

The CONSULTANT will analyze the operational performance of viable or feasible alternative(s) using VISSIM microsimulation software for the opening year (2030) and design year (2050). The analysis will also include evaluation of access management in relation to traffic safety and operational efficiency within the Study Area. The CONSULTANT will evaluate the operational effectiveness of Build Alternatives using agreed upon performance MOEs. The analysis should include multimodal evaluation for pedestrian, bicycle, freight, and transit modes, as appropriate.

4.5.12 Project Traffic Analysis Report

The CONSULTANT will prepare the Project Traffic Analysis Report to document development of existing year design traffic volumes and future year design traffic volumes as well as the results of the traffic analysis for Opening Year (2030) and Design Year (2050) under the No-Build and Build Alternatives for the A.M. and P.M. peak hours. The results will be shown on diagrams and tables for each alternative and discussed in the report. The report will also summarize the comparison of the operational and safety performance of alternatives evaluated in detail and how they perform against each other.

4.5.13 Interchange Access Request – N/A

4.5.14 Traffic Data for Noise Study

The CONSULTANT will provide traffic data required for the noise study and will include the following data for each road segment (i.e., intersection to intersection), ramps, cross streets, and frontage roads, for the existing year, opening year, and the design year for Build and No Build alternatives:

- LOS C directional hourly volumes
- Demand peak hourly volumes (peak and off-peak directions)
- Existing and proposed posted speed
- Percentage of heavy trucks (HT) in the design hour
- Percentage of medium trucks (MT) in the design hour
- Percentage of buses in the design hour
- Percentage of motorcycles (MC) in the design hour

4.5.15 Traffic Data for Air Quality Analysis – Optional Services

Traffic Data for Air Analysis is only needed if the total vehicular delay time (veh-hours) at an intersection in the design year build condition is projected to increase when compared to the design year no-build condition and/or the project is expected to have community controversy regarding air quality. (Coordination with FDOT District specialists may be required to determine potential community controversy.)

The CONSULTANT will be provided all traffic data required for the air quality analysis which will include the following:

- Intersection type and approach speeds
- Intersections - peak hour volumes for each approach
- Interchanges - peak hour volumes for each ramp (on or off) regardless of percent turning volumes

4.5.16 Signalization Analysis

In coordination with the COUNTY's Traffic Operations, the CONSULTANT shall perform signalization analysis at existing signalized intersections in accordance with all applicable manuals, procedures, guidelines, and current design memorandums. The CONSULTANT will propose a preliminary signal timing plan and signal operation plan for each signalized intersection.

4.6 SIGNAGE

An existing sign inventory will be completed by the CONSULTANT. The sign inventory may include regulatory, warning, guide, motorist information and Intelligent Transportation System (ITS) signs. The CONSULTANT will prepare a conceptual signing masterplan for the innovative intersection alternatives that can be used for the graphics in public meeting

4.7 TOLLING CONCEPTS – N/A

4.8 SAFETY

4.8.1 Crash Data

The CONSULTANT will obtain the most recent five (5) years of available data from the Signal 4 crash database and other local sources for this Project. The crash data

will include the number and type of crashes, crash locations, number of fatalities and injuries, and estimates of property damage and economic loss. Fatal and severe injury crashes, as well as crashes involving pedestrians and bicyclists will be highlighted and discussed.

4.8.2 Safety Analysis

The CONSULTANT will perform safety analysis in accordance with **Part 1, Chapter 2** of the **PD&E Manual**. Based on the information obtained from the crash data, the CONSULTANT will identify project safety needs associated with the existing and future conditions. The CONSULTANT will use the Highway Safety Manual (HSM) procedures to estimate the safety performance of the Project alternatives as agreed upon in the Traffic Analysis Methodology.

4.8.3 Documentation of Safety Analysis

The CONSULTANT will document the results of the safety analysis in the PTAR.

4.9 UTILITIES AND RAILROAD

The CONSULTANT will obtain information regarding utilities and railroad in accordance with **Part 2, Chapter 21** of the **PD&E Manual**.

4.9.1 Utilities

The CONSULTANT will prepare a Utility Assessment Package. The Utility Assessment Package must contain items specified in Part 2, Chapter 21 of the PD&E Manual.

The CONSULTANT will notify the UAOs within the Project area and request existing and planned utility information for major above ground and subsurface facilities within the Project area.

The CONSULTANT will coordinate with the COUNTY Utility Coordinator each UAO as necessary, to understand utility conflicts and project potential impacts on utilities. The CONSULTANT will evaluate and consider potentially significant utility conflicts as they may affect the chosen corridor and/or alignment. While evaluating potential impacts and recommending mitigation strategies, the CONSULTANT should refrain from making any compensability determinations in any of the documentation/ assessments that they create.

4.9.2 Railroads -_N/A

4.10 ROADWAY ANALYSIS

4.10.1 Design Controls and Criteria

The CONSULTANT will prepare design controls and criteria for developing Project alternatives and designing initial geometrics and other roadway elements according to the COUNTY standards.

4.10.2 Typical Section Analysis

The CONSULTANT will develop conceptual typical sections for the Project alternatives which address transportation needs and context. Development of typical sections will consider Context Sensitive Solutions and the needs of all Project users.

4.10.3 Geometric Design

The CONSULTANT will perform geometric design using the established Project design controls and criteria. The CONSULTANT will also use Project traffic data and results of traffic analysis to design appropriate roadway elements. The CONSULTANT will establish both preliminary vertical profile and horizontal alignments of the mainline. The design of Project alternatives will consider environmental constraints, physical constraints, Context Sensitive Solutions, and any additional information, as required. See **Part 2, Chapter 3** of the **PD&E Manual** for more engineering and design considerations.

For each alternative evaluated in detail, the CONSULTANT shall prepare sketches of plan, profile, and typical sections as appropriate to show existing features, proposed geometry, and location of any environmental and geometric design constraints.

4.10.4 Intersections and Interchange Evaluation

The CONSULTANT will propose appropriate intersection control based on the results of project traffic analysis to establish an overall intersection/interchange footprint at the following intersections:

- McMullen Booth Road
- Tampa Road
- Curlew Road
- Boot Ranch Blvd
- Sandy Point Road
- Ridgemoor Blvd
- Lansbrook PKWY
- Pine Ridge BLVD
- Forelock RD
- Keystone RD
- Crescent Oaks BLVD
- Trinity BLVD

The CONSULTANT will develop intersection and interchange concepts/layouts based on the results of traffic operational analysis. The layouts will include turn lanes, ramp, auxiliary lanes, storage lengths, ramp terminals, ramp junctions, and other geometric details.

The CONSULTANT will review and confirm the ICE analysis performed in the corridor study.

4.10.5 Access Management

The CONSULTANT will review the COUNTY'S Transportation Design Manual for Access Management Classification System and Standards and evaluate their application to the project. The CONSULTANT will recommend the proper access classification and standard to be applied to the Project.

The proposed access management plan will be presented as part of the public involvement process. If an Access Management Classification / Reclassification Public Hearing is required, it will be combined with the PD&E Study Public Hearing.

4.10.6 Multimodal Accommodations

The CONSULTANT will review, evaluate, and document the location and condition of existing pedestrian, bicycle, and public transit accommodations and freight services in the Study Area. This activity includes reviewing existing plans, reports, and studies that outline strategies or define projects associated with alternative modes of travel.

The CONSULTANT will consider freight, pedestrian, bicycle, and transit in the development and evaluation of Project alternatives commensurate with the context with a goal of improving overall mobility, access, connectivity, safety, and efficiency. Multimodal accommodation may include analysis of on-street parking and loading zone modifications and/or removal, park and ride needs, as necessary. The CONSULTANT will consider and evaluate the existing and anticipated future use of the Project by bicyclists and pedestrians, the potential impacts of the Project alternatives on bicycle and pedestrian travel and propose measures to avoid or reduce adverse impacts to bicyclists and pedestrians that would use the Project.

The CONSULTANT will also consider supportive Transportation Demand Management and parking management strategies consistent with the transportation context and the needs of all users of the project. The CONSULTANT will assist the COUNTY with coordination with local agencies, transit operators and Metropolitan Planning Organizations (MPOs) as appropriate.

4.10.7 Maintenance of Traffic

The CONSULTANT will evaluate alternatives for constructability and the ability to maintain traffic during construction according to **Part 2, Chapter 3** of the **PD&E Manual**. The CONSULTANT will include the estimated cost to maintain traffic in the construction cost estimate for the Project alternative.

4.10.8 Lighting

The CONSULTANT will evaluate the need for lighting in accordance with applicable manuals, guideline, standards and current design memorandums. The

CONSULTANT will include the estimated cost for lighting in the construction cost estimate for the Project alternative.

4.11 IDENTIFY DESIGN AND CONSTRUCTION SEGMENTS

It is anticipated that the 9.3-mile corridor will be divided into segments which will move forward design. Accordingly, the CONSULTANT will identify project segments for or construction along with a definition of implementation phasing. This will include reviewing financing, staging, and sequencing plans that were created by others. If required, the CONSULTANT will identify shorter (i.e., minimum operable segment) intermediate-cost alternatives in the segment determination.

4.12 TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS

The CONSULTANT will study or investigate a broader range of systems as it relates to the PD&E study such as traffic signal system, communication system, travel time systems, Transit Signal Priority (TSP), Adaptive Traffic Control System (ATCS) and other systems referenced in the ITS Architecture. The CONSULTANT will use a Systems Engineering approach for determining the Transportation System Management and Operations (TSM&O) Systems and required systems engineering documents for the Project.

The CONSULTANT will develop a Preliminary Systems Engineering Management Plan (PSEMP) and a high-level Project ConOps according to **Part 2, Chapter 3** of the **PD&E Manual**. The ConOps shall be reviewed by the District TSM&O engineer. The ConOps document template can be found at the following location:

http://www.dot.state.fl.us/trafficoperations/its/projects_deploy/sempp.shtm

The CONSULTANT will evaluate the need for improvements, preservations, or modifications to the existing TSM&O system in relation to the alternatives being considered. This includes reviewing the existing as-built information provided by the COUNTY, identifying impacts to the existing TSM&O infrastructure due to the other project work, identifying opportunities to preserve or enhance TSM&O infrastructure, and developing a high-level cost estimate for the changes necessary to the infrastructure in order to meet project TSM&O needs and goals. These items will be documented in the ConOps.

The CONSULTANT will identify the delivery method for both equipment and technology and prepare implementation schedule that includes engineering, design, construction, and Project activation (testing and start-up).

The CONSULTANT will coordinate with both the District TSM&O Engineer and the County Engineer concerning existing and proposed Intelligent Transportation Systems (ITS) and Advanced Traffic Management System (ATMS) infrastructure. The CONSULTANT will consider the presence of the ITS infrastructure when analyzing the traffic for the corridor, as well as any proposed improvements that may impact the underground fiber optic cable infrastructure and associated roadside devices.

4.13 STRUCTURES

4.13.1 Existing Structures

The CONSULTANT will collect the existing structures data as identified in **Part 2, Chapter 3** of the **PD&E Manual**. The following existing structures have been identified for evaluation:

- #150220 Curlew Road (SR 586) over Lake Tarpon Canal
- #154151 McMullen Booth Road northbound ramp over Lake Tarpon Canal
- #154154 Tampa Road over Lake Tarpon Canal
- #154155 McMullen Booth Road southbound over Tampa Road/Lake Tarpon Canal
- #154156 McMullen Booth Road northbound over Tampa Road/Lake Tarpon Canal
- #154157 McMullen Booth Road southbound ramp over Lake Tarpon Canal
- #154158 East Lake Road northbound over Brooker Creek
- #154159 East Lake Road southbound over Brooker Creek

4.13.2 Structure Typical Sections

The CONSULTANT will develop typical sections options for the bridges. These will include the FDOT's standard typical sections, and any typical sections that may result in minimizing right of way and environmental impacts. Coordination with the District's Structures Design Engineer is required.

4.13.3 Structure Design Alternatives

The CONSULTANT will evaluate conceptual vertical and horizontal geometry and clearance requirements for the bridges. The CONSULTANT will document structural design calculations and design assumptions used in the analysis.

4.14 DRAINAGE

The CONSULTANT will perform Drainage analysis in accordance with the **Drainage Manual** and **Part 2, Chapters 11 and 13** of the **PD&E Manual**. The CONSULTANT shall incorporate/consider the Contamination Screening Evaluation Report and any other related report findings into the Drainage Reports.

4.14.1 Floodplain and Environmental Permit Data Collection

The CONSULTANT will gather floodplain data from FEMA Flood Insurance Rate Maps, and other drainage related data needed to obtain permits from relevant sources including local government, local agencies, and regulatory agencies.

4.14.2 Drainage Analysis

The CONSULTANT will perform drainage analysis by delineating the basin boundaries by using LiDAR information (if available), existing survey data, and field observations. The CONSULTANT will analyze and determine high water elevations

in each basin and use the information to establish the preliminary roadway profile. Drainage analysis will also include checking the capacity and structural adequacy of existing cross drains and preliminary design of potential cross drains.

4.14.3 Floodplain Compensation Analysis

For each roadway alternative, the CONSULTANT will determine base floodplain elevations and estimate encroachments and appropriate compensation provisions, including incorporating floodplain compensation site requirements into the Pond Siting Report.

4.14.4 Stormwater Management Analysis

The CONSULTANT will calculate the stormwater quality and attenuation requirements and estimate the stormwater management facility needs for each roadway alternative.

The CONSULTANT will identify up to 3 potential practical stormwater management alternatives in each basin for the most conservative project alternative, estimate construction cost, compare the sites, and identify (in coordination with the COUNTY) a preferred stormwater management approach for each basin. Additionally, the CONSULTANT will identify inflow or outfall easement requirements for each pond site. If additional pond sites are revealed, they will be used as a potential option.

The CONSULTANT will prepare a Pond Siting Report in accordance with the **Drainage Manual** and the **FDOT Drainage Design Guide**.

4.14.5 Drainage Design

No Drainage Design Services will be provided as part of this PD&E Study.

4.14.6 Location Hydraulics Report

The CONSULTANT will prepare a Location Hydraulics Report for the project in accordance with **Part 2, Chapter 13** of the **PD&E Manual**.

4.14.7 Bridge Hydraulic Evaluation for Brooker Creek

N/A

4.14.8 Sea Level Rise Analysis

The CONSULTANT shall prepare a sea level rise analysis for the Project using the COUNTY's forms and templates. The CONSULTANT will coordinate with the COUNTY to run the project through the Flood Resiliency Tool for Capital Planning.

4.15 LANDSCAPINT ANALYSIS – N/A

4.16 CONSTRUCTION AND RIGHT OF WAY COST ESTIMATES

4.16.1 Construction Cost Estimates

The CONSULTANT will develop construction cost estimates using the Department's Long Range Estimate (LRE) program. The CONSULTANT will be responsible for reviewing and updating the cost estimate when scope changes occur, at project milestones, and during the COUNTY's annual Capital Improvements Plan update cycle. Construction costs will include traffic management and right of way costs.

4.16.2 Right of Way Cost Estimates

Based on typical section analysis and design standards, the CONSULTANT will establish construction limits and determine the minimum (proposed) right of way requirements throughout the limits of the Project. Establishment of construction limits will consider location drainage features, the transportation management plan, utility relocations, stormwater pond requirements, and identified environmental issues, among other factors.

The CONSULTANT will compare the existing right of way width with the proposed right of way requirements to estimate the amount of right of way that the COUNTY must acquire.

The CONSULTANT will estimate the cost for right of way acquisition, and cost estimates for relocations and business damages, if any. The CONSULTANT will submit concept plans for the Build Alternative that include the parcel identification number, existing right of way lines, proposed right of way lines and acreage of property required. Additionally, the CONSULTANT will provide a spreadsheet with the following parcel information: owner, address, acreage of parent parcel and required amount of property for the Project, estimated business damages and right of way property costs.

The CONSULTANT will conduct an interactive field trip to review conditions in the corridor as they pertain to actual conditions that might impact the cost of right of way acquisition for the Project.

4.17 ALTERNATIVES EVALUATION

4.17.1 Comparative Alternatives Evaluation

The CONSULTANT will establish evaluation criteria at the beginning of the Project, which will be agreed upon with the COUNTY before use in the comparative evaluation of alternatives. After developing the viable alternatives, analyzing alternatives and estimating costs, the CONSULTANT will prepare a matrix which compares the impacts, performance, and costs of the alternatives evaluated in detail in the PD&E Study. The matrix will include the performance of the No Build Alternative as the baseline for comparison.

4.17.2 Selection of Recommended Alternative

The CONSULTANT will propose a recommended alternative for the COUNTY'S approval based on review and analysis of engineering, environmental, and public involvement issues related to this Project.

4.17.3 Value Engineering – N/A

Value Engineering is not required for this project.

4.18 CONCEPT PLANS

The CONSULTANT will prepare concept plans for all viable Project alternatives in appropriate scales overlaid on the base map.

4.18.1 Base Map

The CONSULTANT will produce a base map of the project area using COUNTY's CADD standards. The base map will contain an aerial photo and existing characteristics for the project. The base map will show environmental issues that are specific to the Study Area such as cemeteries, wetlands, historic properties, high-risk contamination sites, public parks, and property lines.

The CONSULTANT will prepare base maps for the following uses (at noted scales):

- Overall Project Location Map 1: 2000
- Overall Drainage Map 1: 500
- Corridor Base Maps (Roll Plots) 1:50

4.18.2 Alternatives Concept Plans

The CONSULTANT will prepare and overlay alternative concept plans on the base map. The concept plan will show potential location of bridges, culverts, retaining walls, right of way lines (existing and proposed), major utility facilities, intersection, critical driveways, and median openings, among other roadway elements, at appropriate scale in accordance with the **COUNTY PC-CADD Toolkit**.

4.18.3 Preferred Alternative

The CONSULTANT will finalize the preferred alternative concept plan by incorporating comments received from the Public Hearing process as directed by the COUNTY.

4.18.4 Typical Section Package

The CONSULTANT will prepare the Typical Section Package (excluding pavement design) in accordance with the applicable manuals including **FDM** and the County Transportation Design Manual.

4.18.5 Design Exceptions and Design Variations

The CONSULTANT will identify Design Exceptions and Design Variations required for the preferred alternative for approval in accordance with the **FDM**. This information will be included in the PER and Typical Section Package.

4.19 TRANSPORTATION MANAGEMENT PLAN – N/A

4.20 RISK MANAGEMMENT – N/A

Risk management will not be required for this project.

4.21 ENGINEERING ANALYSIS DOCUMENTATION

The CONSULTANT will prepare a Preliminary Engineering Report (PER) as per **Part 2, Chapter 3** of the **PD&E Manual**.

The CONSULTANT shall include sufficient back up information related to all computer programs and parameters used in the analyses to facilitate the review of the engineering documentation. The engineering documentation shall be neatly and logically presented. The final engineering analysis documentation prepared by the CONSULTANT shall be signed and sealed by a Florida-licensed professional engineer.

4.22 PLANNING CONSISTENCY

4.22.1 Transportation Plans

The CONSULTANT will coordinate with the COUNTY to obtain and review transportation plans throughout the life of the Project for all modes of transportation including freight, transit, and non-motorized. The following plans or studies should be reviewed as appropriate:

- MPO's adopted Long Range Transportation Plan (LRTP) Cost Feasible and Needs Plans
- Local Government Transportation Improvement Plan (TIP)
- State Transportation Improvement Program (STIP)
- Local Government Comprehensive Plan (LGCP)
- Local Transit Development Plans (TDP) for bus, rail, or other services

4.22.2 Planning Consistency Form

The CONSULTANT will assist the COUNTY's finalization of Planning Requirements for Environmental Document approval in the appropriate form.

4.23 TRANSIT SYSTEMS AND SERVICE – N/A

5.0 ENVIRONMENTAL ANALYSIS AND REPORTS

Tasks described within this section direct work efforts applicable to the environmental analysis and documentation for this Project. Prior to beginning environmental work, the

CONSULTANT must review the ETDM Programming Screen Summary Report, summary degree of effect, resource agencies' comments, permits that may be required, and GIS information from the Environmental Screening Tool (EST). This review will support the CONSULTANT's ability to adequately assess the potential for Project alternatives to affect known environmental resource issues.

CONSULTANT activities to conduct and prepare environmental analysis and reports shall be done under the direction of the COUNTY Project Manager. The CONSULTANT will collect pertinent environmental data, conduct analyses, and document the results of this analysis within technical reports or memoranda. The analyses and reporting will be performed and presented in accordance with the procedures in the **PD&E Manual**. The CONSULTANT will analyze all Build Alternatives and the No Build Alternative with respect to impacts to natural, cultural, social and physical resources and document all analyses in the reports. Wherever appropriate the CONSULTANT will describe proposed measures to avoid, minimize, or mitigate project impacts on the environmental issues. Additionally, the CONSULTANT will summarize results of the environmental analysis in the Environmental Document. The CONSULTANT must verify and record in the Environmental Document any environmental resource that is identified as "No Involvement". The CONSULTANT will summarize in the Environmental Document the results of analysis of environmental resources that were completed as part of another study or performed by others concurrent with this project.

The CONSULTANT will support the COUNTY in uploading and completing various forms and data entry in the FDOT's SWEPT tool including completion of the Environmental Document and related attachments and other required project documentation.

5.1 SOCIOCULTURAL EFFECTS

THE CONSULTANT will conduct a Sociocultural Effects (SCE) evaluation in accordance with **Part 2, Chapter 4** of the **PD&E Manual**. The CONSULTANT will document the results of the SCE Evaluation in the Environmental Document. If no involvement for a particular issue is indicated, then standard statements to that effect from **Part 2, Chapter 4** of the **PD&E Manual** will be included in the Environmental Document.

5.1.1 Social

- **Community Cohesion:** The CONSULTANT will identify and assess potential Project impacts on physical barriers, traffic pattern changes, social pattern changes, and loss of connectivity to community features and facilities.
- **Special Community Designation:** The CONSULTANT will identify and assess potential Project impacts on schools, churches, parks, emergency facilities, social services, daycare facilities, retirement centers, community centers, and retail locations.
- **Safety / Emergency Response:** The CONSULTANT will identify and assess potential Project impacts on the creation of isolated areas; emergency response time changes; and location of police, fire, emergency medical services.

- **Demographics:** The CONSULTANT will identify and assess potential Project impacts on minority, LEP persons, disabled persons, low-income populations, and/or special populations within the Project area. If minority or low-income populations are in the affected area, the determination of adverse effects to those populations, may need to consider potential effects beyond the six SCE issues for the purposes of Environmental Justice, per **Part 2, Chapter 4** of the **PD&E Manual** and may require additional coordination with the affected community to establish mitigation measures. The CONSULTANT in coordination with the COUNTY, must determine whether the Project effects are “disproportionately high and adverse”. The CONSULTANT will discuss the magnitude and distribution of disproportionately high and adverse human health or environmental effects on minority and low-income populations for all alternatives. Coordination with the affected community and the identification of mitigation measures will be documented in the Environmental Document.
- **Community Goals and Quality of Life:** The CONSULTANT will identify and assess potential Project impacts on social value changes and compatibility with community goals and vision.

5.1.2 Economic

- **Business and Employment:** The CONSULTANT will assess potential Project impacts to business and employment activity in the project area, including industries with special needs (e.g., freight distributor) or significance (e.g., regional employer), economic-oriented land use, economic development plans, special designations, and community development priorities. Assessment will also include identification of changes to routes, access, parking, or visibility that could benefit or impair businesses, employment centers, community facilities, or population.
- **Property Values and Tax Base:** The CONSULTANT will assess potential Project impacts on the tax base, employment opportunities, and property values.

5.1.3 Land Use Changes

The CONSULTANT will evaluate the Project's consistency with the physical character of the area and applicable community plans.

5.1.4 Mobility

The CONSULTANT will evaluate potential Project impact on mobility and accessibility with regard to all transportation modes (i.e., pedestrian, bicycle, transit and vehicle) in the Study Area.

5.1.5 Aesthetics

The CONSULTANT will evaluate and summarize the Project's effect on viewshed and vista, community focal points, historic structures, landmarks, and community character in accordance with the **PD&E Manual**.

5.1.6 Relocation (Optional Services)

If relocations are required the CONSULTANT will prepare a Conceptual Stage Relocation Plan.

The CONSULTANT will identify residences, businesses, and institutional or community facilities that may require relocation to accommodate the Project. The CONSULTANT will obtain additional site-specific information needed to evaluate the effect of each project alternative on the displacement of residences and businesses.

The CONSULTANT will collect the data and perform the analysis necessary to complete a Conceptual Stage Relocation Plan (CSRP) for the proposed alternatives according to Chapter 9 of the Right-of-Way Procedures Manual if relocations are anticipated. This task will be considered as Optional Services.

5.2 CULTURAL RESOURCES

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

This task includes identifying and analyzing impacts to archaeological sites and historic resources within the project Area of Potential Effects (APE), including documentation and coordination with appropriate agencies as per Part 2, Chapter 12 of the PD&E Manual, and the Department's Cultural Resource Management Handbook. In addition, attendance at public meetings may be required. The CONSULTANT will also review and address any resources listed in the Environmental Screening Tool (EST) by the State Historic Preservation Officer (SHPO) Environmental Technical Advisory Team (ETAT) member. (Work estimate should be based on number of identified cultural resources.)

5.2.1 Archaeological and Historic Resources

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

- a. Research Design Methodology: The CONSULTANT will prepare a Research Design and Survey Methodology for the project, to be submitted to the DEPARTMENT for approval prior to the initiation of field work. The CONSULTANT shall identify and map out the zones of probability for the project study area and identify any previously recorded resources. The Area of Potential Effects (APE) will be determined and must include potential pond sites.
- b. Cultural Resources Assessment Survey (CRAS)

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

Documentation: The CRAS will be prepared with the appropriate level of documentation detailing the results of the survey, including the final assessments of resource significance, and including a Florida Master Site File (FMSF) form for all identified resources and a Survey Log.

c. Case Study Report: If required, a Case Study Report, documenting the application of the Criteria of Effect, will be prepared.

d. Memorandum of Agreement (MOA): The CONSULTANT will assist the DEPARTMENT with the preparation of a MOA, if required.

e. Consultation Meetings: The CONSULTANT will assist the DEPARTMENT with coordination of consultation meeting(s), if required.

f. Native American Coordination Meeting: If required, the CONSULTANT will assist the DEPARTMENT with coordination with any Native American tribes that have or wish to be involved or have input on the project or any site of relevance to them.

g. Public Involvement: If required, the CONSULTANT will assist the DEPARTMENT with public involvement.

h. Cultural Resource Committee Meetings: If required, assist the DEPARTMENT with any meetings with a Cultural Resource Committee.

5.2.2 Recreational, Section 4(f)

The CONSULTANT will review the Project Programming Screen Summary Report for comments regarding the project's potential involvement with resources protected by Section 4(f), in accordance with **Part 2, Chapter 7** of the **PD&E Manual**. The CONSULTANT will identify potential Section 4(f) resources, assist the COUNTY in conducting initial coordination with the Official(s) with Jurisdiction (OWJ) to determine the significance of the property, identify the characteristics and functions of the Section 4(f) resource, determine the "use" of the property by the project and prepare the appropriate documentation when Section 4(f) approval is required. The CONSULTANT will assist the COUNTY in coordinating with the OWJ(s) to identify measures to avoid and/or minimize the use of Section 4(f) resource(s) by the Project. The CONSULTANT shall document whether Section 4(f) or concurrent requirements are applicable, the Project's involvement with Section 4(f), agency coordination, and

the project's compliance with Section 4(f) and summarize in the Environmental Document. CONSULTANT will incorporate any agreed upon minimization/mitigation measures as environmental commitments in the Environmental Document and the Project Commitment Record.

5.3 NATURAL RESOURCES

The CONSULTANT will review the Project Programming Screen Summary Report to identify the natural resources present and agency comments and concerns regarding these resources. The CONSULTANT will use this information as a basis for identifying natural resource evaluation areas to be field verified. The condition of the existing natural resources will be updated following field evaluation. The CONSULTANT will assess the Project's direct and indirect effects on the natural resources and will document the severity of the impacts, identify the avoidance and minimization measures taken, anticipated permits and document resolution of agency concerns and the agency coordination process in the Natural Resources Evaluation (NRE) Report and/or Environmental Document, as appropriate. If there is no involvement with a resource, then a statement to that effect will be provided, in accordance with **Part 2 Chapters 9, 11, 12, 13, 14, 15, 16 and 17** of the **PD&E Manual**, as appropriate. Supporting documentation will be uploaded to the project file in SWEPT.

5.3.1 Wetlands

Analysis: The CONSULTANT will identify and estimate the impacts to the wetlands and other surface waters in the project area in accordance with **Part 2 Chapter 9** of the **PD&E Manual**. The CONSULTANT will utilize the Uniform Mitigation Assessment Method (UMAM) to determine the type, quality, and function of wetlands. The CONSULTANT will evaluate the alternatives' direct and indirect impact to wetlands, including functional loss, and identify measures that avoid wetland impacts. Where wetland impacts are unavoidable, the CONSULTANT will identify practicable measures to minimize impacts. A Conceptual Mitigation Plan is assumed to not be required.

Documentation: The CONSULTANT will document in the Natural Resources Evaluation (NRE) Report the identification and classification of wetlands and other surface waters, the functional analysis of wetlands, calculation of direct and indirect impacts, avoidance and minimization of impacts, conceptual mitigation measures for unavoidable impacts, and coordination with the resource agencies in accordance with **Part 2, Chapter 16** of the **PD&E Manual**. The CONSULTANT will summarize the NRE in the Environmental Document.

5.3.2 Essential Fish Habitat

Analysis: The CONSULTANT will review the Project Programming Screen Summary Report and develop a study design (to be approved by the COUNTY) to evaluate the magnitude of the Project involvement with, and potential impacts, Essential Fish Habitat within the project study area and action area. Upon approval of

the study design, the CONSULTANT will perform literature review and coordination necessary to determine Project involvement with, and potential impacts to Essential Fish Habitat as required in accordance with **Part 2, Chapter 16** of the **PD&E Manual**. The CONSULTANT will assist the COUNTY in consultations, including provide responses to agency requests for information, if required.

Documentation: The protected species and habitat evaluation and agency consultation will be documented in the NRE report, in accordance with **Part 2, Chapter 17** of the **PD&E Manual**, and summarized in the Environmental Document, including effect determinations, dates of concurrence, and/or outcomes of consultation. If it is necessary to prepare a Biological Assessment this documentation will be compiled as part of the NRE report.

5.3.3 Wildlife and Habitat

Analysis: The CONSULTANT will review the Project Programming Screen Summary Report and develop a study design (to be approved by the COUNTY) to evaluate the magnitude of the Project involvement with, and potential impacts, protected species, and designated or proposed critical habitats within the project study area and action area. Information should also be collected on habitat connectivity, areas that are ecologically important, and species that are otherwise protected by regulation. Upon approval of the study design, the CONSULTANT will perform literature review, field reviews, survey, and coordination necessary to determine Project involvement with, and potential impacts to, protected species and their habitats including proposed conservation measures as required in accordance with **Part 2, Chapter 16** of the **PD&E Manual**. The CONSULTANT will assist the COUNTY in consultations, including provide responses to agency requests for information, if required.

Documentation: The protected species and habitat evaluation and agency consultation will be documented in the NRE report, in accordance with **Part 2, Chapter 16** of the **PD&E Manual**, and summarized in the Environmental Document, including effect determinations, dates of concurrence, and/or outcomes of consultation. If it is necessary to prepare a Biological Assessment this documentation will be compiled as part of the NRE report.

5.3.4 Natural Resource Evaluation Report

The CONSULTANT will document the results of the Wetlands and Surface Waters, Protected Species and Habitat, and Essential Fish Habitat evaluations in a Natural Resources Evaluation (NRE) report in accordance with **Part 2 Chapters 9, 11, 12, 13, 14, 15, 16** and **17** of the **PD&E Manual**, as appropriate.

5.3.5 Water Quality

The CONSULTANT will evaluate the data for and document water quality in the Water Quality Impact Evaluation (WQIE) Checklist in accordance with **Part 2, Chapter 11** of the **PD&E Manual**.

5.3.6 Special Designations

The CONSULTANT will evaluate Lake Tarpon as an Outstanding Florida Water (OFW) and Aquatic Preserve.

5.3.7 Identify Permit Needs

The CONSULTANT will review the Programming Screen Summary Report and identify permits required for the project.

It is anticipated that permits may be required from the US Army Corps of Engineers and the Southwest Florida Water Management District. Preliminary coordination with the United State Coast Guard (USCG) indicates that improvements or replacement of the existing bridges over the Tarpon Outfall Canal and Brooker Creek are likely to qualify for "Advanced Approval". Accordingly, a USCG Bridge Permit is not likely to be needed. However, the CONSULTANT will coordinate with the USCG to confirm this preliminary determination.

5.3.8 Farmlands

This resource is not present or will not be impacted by the project. The CONSULTANT must verify and record in the Environmental Document.

5.4 PHYSICAL EFFECTS

The CONSULTANT will summarize each of the physical effect issues in the Environmental Document. If no involvement for a particular issue is indicated, then a statement to that effect will be included. The CONSULTANT will identify the physical effect evaluation area. The CONSULTANT will assess the direct and indirect effects and will document the severity of the following:

5.4.1 Noise

The CONSULTANT will perform the noise analysis, noise abatement evaluation, and assessment of construction noise and vibration in accordance with the **Part 2, Chapter 18** of the **PD&E Manual** and the current version of FDOT's Traffic Noise Modeling and Analysis Practitioner's Handbook. The CONSULTANT will attend a noise study methodology meeting with the COUNTY and the DEPARTMENT prior to beginning analysis.

The CONSULTANT will document methodology and results of noise analysis and noise abatement evaluation in the Noise Study Report (NSR). The CONSULTANT will provide an electronic copy of the NSR, in PDF format, as well as all Traffic Noise Model (TNM) input/output files, and "readme" file that support the information documented in the report.

If the Project is determined to be a Type III project, the CONSULTANT will document that in the Project File.

5.4.2 Transit Noise and Vibration Analysis – N/A

This resource is not present or will not be impacted by the project. The CONSULTANT must verify and record in the Environmental Document.

5.4.3 Air Quality

This resource is not present or will not be impacted by the project. The CONSULTANT must verify and record in the Environmental Document.

5.4.4 Construction Impact Analysis

The CONSULTANT will evaluate and document the potential impacts of construction of the Project alternatives in accordance with **Part 2, Chapter 3** of the **PD&E Manual**.

5.4.5 Contamination

The CONSULTANT will gather data, review data, and investigate contamination issues within the limits of the project and identify potentially contaminated sites in accordance with **Part 2, Chapter 20** of the **PD&E Manual**. The CONSULTANT will document data reviewed, findings, risk rating of potential contamination sites, and recommendation for additional assessment actions in the Contamination Screening Evaluation Report.

5.5 CUMULATIVE EFFECTS EVALUATION – N/A

The CONSULTANT will perform and document cumulative effects evaluation of each resource of concern identified based on context and in consultation with the DEPARTMENT as per the process outlined in the **Cumulative Effects Evaluation Handbook**. The cumulative effects evaluation should build upon information derived from the direct and indirect effects analyses.

5.6 PROJECT COMMITMENTS RECORD

The CONSULTANT will assist the DEPARTMENT in filling out **Project Commitments Record (PCR)** to document project commitments in the Commitments section of the Environmental Document. DEPARTMENT **Procedure 700-011-035** will be used by the CONSULTANT for recording the project commitments. The CONSULTANT will forward the completed PCR form to the COUNTY a Project Manager. The PCR will be completed using the DEPARTMENT's PSEEE module.

6.0 ENVIRONMENTAL DOCUMENT

The CONSULTANT will prepare the Environmental Document and all attachments in accordance with **Part 1, Chapter 5** of the **PD&E Manual**. It is anticipated that the Class of Action for this project will be a Type 2 Categorical Exclusion.

7.0 METHOD OF COMPENSATION/PROJECT SCHEDULE

7.1 COMPENSATION

Payment for the work accomplished will be in accordance with **Exhibit B** of this contract. The COUNTY's Project Manager and the CONSULTANT will monitor the cumulative invoiced billings to ensure the reasonableness of the billings compared to the study schedule and the work accomplished and accepted by the COUNTY. The COUNTY Project Manager will decide whether work of sufficient quality and quantity has been accomplished by comparing the reported Scope of Services percent complete against actual work accomplished.

The following services shall be considered reimbursable 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 rate for all related services. A breakdown of man hours and billing rate shall be provided with each invoice. An hour rate sheet is attached (Exhibit B).

- A. Payment of Public Information Meeting Advertisements, if required.
- B. Printing, postage and mailouts for Public Information Meeting notifications
- C. Payment of the Court Report for public meetings, if required.
- D. Payment of site rental fees, including insurance for public meetings, if required.
- E. Printing and binding for bulk materials for public information meetings, if required.
- F. Printing of large format boards and displays for public information meetings, if required.

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

7.2 SCHEDULE

The CONSULTANT's services will commence work upon receipt of written notice to proceed issued by COUNTY. The Project shall be completed within 36 months of Notice to Proceed unless otherwise directed by the COUNTY.

The CONSULTANT will also provide a Microsoft Project schedule with updates to be included with each monthly invoice submittal.

The COUNTY review period is 21 calendar days from the date of each milestone submittal. The DEPARTMENT review period is 21 calendar days. The CONSULTANT will provide responses to comments for the required submittal. The schedule should include sufficient review times for submittals that require review by the COUNTY and the DEPARTMENT. Any other delays beyond CONSULTANT's control will be documented in writing by CONSULTANT and submitted to the COUNTY for consideration to grant a schedule time extension.

PROJECT DEVELOPMENT & ENVIRONMENT
PROJECT DATA

Financial Project Identification Number:

PID 003879A

Federal Aid Project Identification Number:

Project Description:

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.

County:

Pinellas

Begin Milepost: End Milepost: Project Length: Miles

FDOT Project Manager:

Ann Venables, AICP, ENV SP

Prepared By:

FDOT Consultant Final

Consultant Name:

HDR Engineering, Inc.

Adams Traffic

Arehna Engineering

Harbor Coordination Solutions

SEARCH

The Valerin Group

SUMMARY

	HDR	Adams	Arehna	Harbor	Search	Valerin	Subtotal
2.0 PROJECT DESCRIPTION AND OBJECTIVES	532	0	0	0	0	0	532
3.0 PUBLIC INVOLVEMENT	2632	0	0	0	0	568	3200
4.0 ENGINEERING ANALYSIS AND REPORTS	8851	765	822	208	0	0	10646
5.0 ENVIRONMENTAL ANALYSIS AND REPORTS	2879	0	0	0	509	0	3388
6.0 ENVIRONMENTAL DOCUMENT	193	0	0	0	0	0	193
8.0 DESIGN SERVICES	0	0	0	0	0	0	0
Sutotal	15087	765	822	208	509	568	

17959

PROJECT TOTAL HOURS

**PROJECT DEVELOPMENT & ENVIRONMENT
PROJECT DATA**

Name of Consultant:

HDR Engineering, Inc.

om S. of Curlew Rd. to N. of Trinity Blvd.

PID 003879A

Activity No.	Activity	HDR Engineering, Inc.	Adams Traffic	Arehna Eng.	Harbor Coord. Svcs	SEARCH	The Valerin Group	Project Staff Hours							Total Hours
								Sub 6	Sub 7	Sub 8	Sub 9	Sub 10	Sub 11	Sub 12	
2	Project Description and Objectives	532	0	0	0	0	0								532
3	Public Involvement	2632	0	0	0	0	568								3200
4	Engineering Analysis & Report	8851	765	822	208	0	0								10646
5	Environmental Analysis & Reports	2879	0	0	0	509	0								3388
6	Environmental Document	193	0	0	0	0	0								193
8	Design Services	0	0	0	0	0	0								0
Project Total		15,087	765	822	208	509	568	0	0	0	0	0	0	0	17,959

Notes: 1. Staff hours for consultant come directly from each discipline's worksheet.

2. Staff hours for subconsultants are to be entered manually into columns D through O.

3. For workbooks prepared by subconsultants, their project hours will be totaled in column C.

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A	Project Name: East Lake Rd. from S of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Name of Consultant: HDR Engineering, Inc.
		Date: 4/15/2025

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION																				TOTAL STAFF HOURS RANGE	ON CADD PERCENT								
		(Project Manager)		(Chief Engineer)		(Senior Engineer)		(Engineer 2)		(Engineer 1)		(Designer)		(Engineering Intern)		(St. Eng Tech)		(Chief Scientist)		(Sr. Env. Specialist)				(Env. Specialist)		(Sr. Planner)		(Sr. Comm Outreach Spec.)		(Sr. Accountant)	
		Hours	Firm Total	Hours	Firm Total	Hours	Firm Total	Hours	Firm Total	Hours	Firm Total	Hours	Firm Total	Hours	Firm Total	Hours	Firm Total	Hours	Firm Total	Hours	Firm Total			Hours	Firm Total	Hours	Firm Total	Hours	Firm Total	Hours	Firm Total
Project Description and Objectives																															
Public Involvement																															
Engineering Analysis & Report																															
Environmental Analysis & Reports																															
Environmental Document																															
Design Services																															
TOTALS																															
Notes:		1. This worksheet provides the distribution of a firm's total staff hours for a project.																													
		2. Total Staff Hours (column O) may not match staff hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee 4-man crew days																													
		Field Survey Estimate:																													
		FIRM TOTAL																													

Notes:

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

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A
FAP Number:	0
Date:	4/15/2025
Name of Consultant:	HDR Engineering, Inc.
Project Name:	East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.

[illegible]

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A	Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Date: 4/15/2025
		Name of Consultant: Adams Traffic

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION												TOTAL STAFF HOURS RANGE	ON CADD										
		Chief Engineer 2	Sr Eng. Tech	Staff Classification 3		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	
				Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Project Description and Objectives	Firm Total																								
	Hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Engineering Analysis & Report	765	58	707	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Environmental Analysis & Reports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOTALS		765	58	707	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Notes:		Field Survey Estimate:																							
1. This worksheet provides the distribution of a firm's total staff hours for a project.																									
2. Total Staff Hours (column O) may not match staff hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.																									
3. Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.																									
		FIRM TOTAL																						765	842

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A	Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Name of Consultant: Adams Traffic
		Date: 4/15/2025

[illegible]

PROJECT DEVELOPMENT & ENVIRONMENT
PROJECT DATA

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: East Lake Rd. from S. of Cuflew Rd. to N. of Trinity Blvd.
County: Pinellas
FPN: PD 003879A
EAP No.: 0

Consult. Name: Adams Traffic
Consult. No. enter consultants proj. number
Date: 4/9/2025
Estimator: Nancy Adams, P.E.

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Chief Engineer 2	Sr Eng. Tech	Staff Classification 3	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
		\$250.93	\$86.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	\$0	#DIV/0!
Project Description and Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Engineering Analysis & Report	765	58	707	0	0	0	0	0	0	0	0	0	0	0	765	\$75,914	\$99.23
Environmental Analysis & Reports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	765	58	707	0	0	0	0	0	0	0	0	0	0	0	765	\$75,914.47	\$99.23
Total Staff Cost		\$14,553.94	\$61,360.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			

Check = \$75,914.47

SALARY RELATED COSTS:

OVERHEAD: \$75,914.47
OPERATING MARGIN: \$0.00
FCCM (Facilities Capital Cost Money): \$0.00
EXPENSES: \$0.00
SALARY RELATED SUBTOTAL: \$75,914.47
Survey (Field - if by Sub) 0.00 4-man crew days \$ - / day
SUBTOTAL - SUBCONSULTANT \$75,914.47
Optional Services \$0.00
SUBCONSULTANT TOTAL ESTIMATED FEE: \$75,914.47

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

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A	Project Name:	East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Date:	4/15/2025
		Name of Consultant:	Arehna Engineering

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION											TOTAL STAFF HOURS RANGE	ON CADD			
		Staff Classification 1	MAT Senior Engineer	Chief Engineer	MAT Engineer	Staff Classification 5	MAT Engineer Intern	MAT Senior Designer	MAT Senior Engineering Technician	MAT Engineering Technician	MAT Civil	Staff Classification 11			Staff Classification 12		
		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours					
Project Description and Objectives	Firm Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Public Involvement		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Engineering Analysis & Report		822	0	82	0	123	0	288	0	132	82	74	41	0	0	822	904
Environmental Analysis & Reports		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental Document		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Design Services		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS		822	0	82	0	123	0	288	0	132	82	74	41	0	0	822	904
Notes:		Field Survey Estimate: _____											822	904			
1. This worksheet provides the distribution of a firm's total staff hours for a project.																	
2. Total Staff Hours (column O) may not match total staff hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.																	
3. Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.																	

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A	Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Name of Consultant: Arehna Engineering
		Date: 4/15/2025

[illegible]

PROJECT DEVELOPMENT & ENVIRONMENT
PROJECT DATA

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: East Lake Rd. from S. of Cuflew Rd. to N. of Trinity Blvd.
County: Pinellas
FPN: PD 003879A
EAP No.: 0

Consult. Name: Arehna Engineering
Consult. No. B.Prop-24-124
Date: 4/15/2025
Estimator: Andy Tao

Staff Classification	Total Staff Hours From "SJH Summary - Firm"	Staff Classification n 1	MAT Senior Engineer	Chief Engineer	MAT Engineer	Staff Classification 5	MAT Engineer Intern	MAT Senior Designer	MAT Senior Engineering Technician	MAT Engineering Technician	MAT Clerical	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$0.00	\$210.00	\$225.00	\$120.00	\$0.00	\$98.00	\$105.00	\$85.00	\$65.00	\$65.00	\$0.00	\$0.00			
Project Description and Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Engineering Analysis & Report	822	0	82	0	123	0	288	132	82	74	41	0	0	822	\$88,509	\$107.68
Environmental Analysis & Reports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	822	0	82	0	123	0	288	132	82	74	41	0	0	822		
Total Staff Cost		\$0.00	\$17,220.00	\$0.00	\$14,760.00	\$0.00	\$28,224.00	\$13,860.00	\$6,970.00	\$4,810.00	\$2,665.00	\$0.00	\$0.00		\$88,509.00	\$107.68

Check = \$88,509.00

SALARY RELATED COSTS:

OVERHEAD: \$88,509.00
OPERATING MARGIN: \$0.00
FCCM (Facilities Capital Cost Money): \$0.00
EXPENSES: \$0.00

SALARY RELATED SUBTOTAL: \$88,509.00
Survey (Field - if by Sub) 0.00 4-man crew days \$ - / day
SUBTOTAL - SUBCONSULTANT \$88,509.00
Geotech Field and Lab Services \$115,387.07
SUBCONSULTANT TOTAL ESTIMATED FEE: \$203,896.07

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

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.

Date: 4/15/2025

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.

Date: 4/15/2025

[illegible]

PROJECT DEVELOPMENT & ENVIRONMENT
PROJECT DATA

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project:East Lake Rd. from S. of Cuflew Rd. to N. of Trinity Blvd.

County:Pinellas

FPN:PD 003879A

FAP No.:0

Consult. Name: Harbor Coordination Solutions

Consult. No. **enter consultants proj. number**

Date: 4/15/2025

Estimator: **Jeanna Dean**

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager	Sr. Utility Coordinator	Utility Coordinator	Asst. Utility Coordinator	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
											\$0.00	\$0.00	\$0.00			
Project Description and Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Engineering Analysis & Report	208	0	83	62	63	0	0	0	0	0	0	0	0	208	\$30,749	\$147.83
Environmental Analysis & Reports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	208	0	83	62	63	0	0	0	0	0	0	0	0	208		
Total Staff Cost		\$0.00	\$16,377.56	\$7,799.60	\$6,572.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$30,749.32	\$147.83

Check = \$30,749.32

SALARY RELATED COSTS:

OVERHEAD: 0.00% \$30,749.32

OPERATING MARGIN: 0.00% \$0.00

FCCM (Facilities Capital Cost Money): 0.00% \$0.00

EXPENSES: 0.00% \$0.00

SALARY RELATED SUBTOTAL: \$30,749.32

Survey (Field - if by Sub) 0.00 4-man crew days \$ - / day

SUBTOTAL - SUBCONSULTANT \$30,749.32

Optional Services \$0.00

SUBCONSULTANT TOTAL ESTIMATED FEE: \$30,749.32

Note:

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

PROJECT DEVELOPMENT & ENVIRONMENT PROJECT DATA

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A	Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Name of Consultant: SEARCH
		Date: 4/15/2025

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION												TOTAL STAFF HOURS RANGE	ON CADD
		Project Manager 3	Chief Archaeologist	Senior Scientist	Scientist	Senior Archaeologist	Archaeologist	GIS Specialist	Secretary/Clerical	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12		
Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	PERCENT		
Project Description and Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Engineering Analysis & Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Environmental Analysis & Reports	509	0	51	76	102	76	76	76	52	0	0	0	509	560	
Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTALS	509	0	51	76	102	76	76	76	52	0	0	0	509	560	
Notes:															
1. This worksheet provides the distribution of a firm's total staff hours for a project.															
2. Total Staff Hours (column O) may not match total hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.															
3. Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.															
Field Survey Estimate: _____ 4-man crew days													FIRM TOTAL	509	560

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A	Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Name of Consultant: SEARCH
		Date: 4/15/2025

[illegible]

PROJECT DEVELOPMENT & ENVIRONMENT PROJECT DATA

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: East Lake Rd. from S. of Cuflew Rd. to N. of Trinity Blvd.
 County: Pinellas
 FPN: PID 003879A
 EAP No.: 0

Consult. Name: SEARCH
 Consult. No. enter consultants proj. number
 Date: 4/15/2025
 Estimator: T Parsons

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager 3	Chief Archaeologist	Senior Scientist	Scientist	Senior Archaeologist	Archaeologist	GIS Specialist	Secretary/Clerical	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
Project Description and Objectives	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	0	\$0	#DIV/0!
Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Engineering Analysis & Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Environmental Analysis & Reports	509	0	51	76	102	76	76	76	52	0	0	0	0	509	\$67,556	\$132.72
Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	509	0	51	76	102	76	76	76	52	0	0	0	0	509	\$67,556.37	\$132.72
Total Staff Cost		\$0.00	\$8,804.13	\$12,042.96	\$11,148.60	\$12,050.56	\$8,530.24	\$9,001.44	\$5,978.44	\$0.00	\$0.00	\$0.00	\$0.00			

Check = \$67,556.37

SALARY RELATED COSTS:

OVERHEAD: \$67,556.37
 OPERATING MARGIN: \$0.00
 FCCM (Facilities Capital Cost Money): \$0.00
 EXPENSES: \$0.00

SALARY RELATED SUBTOTAL: \$67,556.37
 Survey (Field - if by Sub) 0.00 4-man crew days \$ - / day
SUBTOTAL - SUBCONSULTANT \$67,556.37
 Optional Services \$0.00
SUBCONSULTANT TOTAL ESTIMATED FEE: \$67,556.37

Note:

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

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	PID 003879A	Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Name of Consultant: The Valerin Group
		Date: 4/15/2025

WORK ACTIVITY	Hours from "Summary" sheet Firm	EMPLOYEE CLASSIFICATION												TOTAL STAFF HOURS RANGE	ON CADD PERCENT												
		Project Manager		Community Outreach Specialist / Senior Specialist		Graphic Designer		Multimedia Specialist		Staff Classification 5		Staff Classification 6				Staff Classification 7		Staff Classification 8		Staff Classification 9		Staff Classification 10		Staff Classification 11		Staff Classification 12	
		Hours		Hours		Hours		Hours		Hours		Hours				Hours		Hours		Hours		Hours		Hours		Hours	
Project Description and Objectives	Total	Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	568	28	460	57	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	568	625	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Environmental Analysis & Reports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTALS	568	28	460	57	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	568	625	
Notes:		Field Survey Estimate:																									
1. This worksheet provides the distribution of a firm's total staff hours for a project.		_____ 4-man crew days																									
2. Total Staff Hours (column O) may not match staff hours from Summary worksheet (column B) due to rounding. Staff hours calculated for employee classifications are to be adjusted so totals in columns B and O match.																											
3. Formulas under "Total Staff Hours Range" (columns O & P) may be adjusted to provide desired range.																											
TOTALS		FIRM TOTAL																									
		568 625																									

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Financial Project Number:	<u>PID 003879A</u>	Project Name: East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
FAP Number:	0	Name of Consultant: The Valerin Group
		Date: 4/15/2025

[illegible]

PROJECT DEVELOPMENT & ENVIRONMENT
PROJECT DATA

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: East Lake Rd. from S. of Cuflew Rd. to N. of Trinity Blvd.
County: Pinellas
FPN: PD 003879A
EAP No.: 0

Consult. Name: The Valerim Group
Consult. No. enter consultants proj. number
Date: 4/15/2025
Estimator: Valerie Ciudad-Real/Catherine Winter

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Project Manager	Community Outreach Specialist - Senior	Graphic Designer	Multimedia Specialist	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
													\$0.00	\$0.00			
Project Description and Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Public Involvement	568	28	460	57	23	0	0	0	0	0	0	0	0	0	568	\$75,895	\$133.62
Engineering Analysis & Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Environmental Analysis & Reports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Environmental Document	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Design Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	568	28	460	57	23	0	0	0	0	0	0	0	0	0	568	\$75,895.00	\$133.62
Total Staff Cost		\$3,920.00	\$62,100.00	\$6,954.00	\$2,921.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			

Check = \$75,895.00

SALARY RELATED COSTS:

OVERHEAD: \$75,895.00
OPERATING MARGIN: \$0.00
FCCM (Facilities Capital Cost Money): \$0.00
EXPENSES: \$0.00
SALARY RELATED SUBTOTAL: \$75,895.00
Survey (Field - if by Sub) 0.00 4-man crew days \$ - / day
SUBTOTAL - SUBCONSULTANT \$75,895.00
Direct Expenses (Reimbursable) \$14,027.10
SUBCONSULTANT TOTAL ESTIMATED FEE: \$89,922.10

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

2. PROJECT DESCRIP & OBJE - HDR

Estimator: Marlin Register (HDR)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing		Print Name			Signature / Date	
HDR		Marlin Register				
NOTE: Signature Block is optional, per District preference						
Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
NOTE: * subject to QC						
2.2	Project Requirements and Provisions for Work					
	2.2.6 Meetings and Presentations	LS	36		239	see table below
	2.2.9 Schedule *	LS		2	72	Assume 36 month schedule * 2hr schedule update/ month
	2.2 Project Requirements and Provisions Work Total				311	
2.3	Coordination with Other Consultants and Entities	LS	36	2	72	Assume 36 month schedule * 2hr coordination with Pinellas County and FDOT/ month
2.4	Contract Management	LS	36	4	144	Assume 36 month schedule * 4 hrs contract admin coordination / month
2.5	Additional Services					
	2.5.1 Alternative Corridor Evaluation *	LS	1	0	0	N/A
	2.5.2 Advance Notification					N/A
	Advance Notification *	LS	1	0	0	N/A
	Preliminary Environmental Discussion *	LS	1	0	0	N/A
	2.5.3 Scoping (EIS Only)					N/A
	Set up/Scoping Package*	LS	1	0	0	N/A
	Participation and notes	LS	1	0	0	N/A
	2.5.4 Notice of Intent (EIS Only) *	LS	1	0	0	N/A
	2.5.5 Transit Coordination Plan *	LS	1	0	0	N/A
	2.5.6 Miscellaneous Services *	LS	1	0	0	N/A
	2.5 Additional Services Total				0	
2.7	Optional Services					
	2.7.1 Conceptual Stage Relocation Plan *	LS	1	200	200	Assume moderate relocations due to pond sites and FPCs
	2.7.2 USCG Bridge Questionnaires *	LS	1	36	36	Boat Survey of Lake Tarpon/ Canal (12 hours); Prepare Forms for Curlew Rd.; McMullen Booth NB & SB; Tampa Rd. NB & SB Ramps, Brooker Creek (6 bridges @ 4 hours ea)
	2.7.3 Traffic Data for Air Quality Analysis *	LS	1	18	18	Many cross streets and segments.
	2.7.4 Origin and Destination Study	LS	1	50	50	Origin-Destination analysis using Replica. Includes data collection, analysis, graphics creation, and report.
	2.7.5 RW Cost Estimates	LS	1	100	100	Additional hours for parcel work at intersections.
	2.7.6 Conceptual Mitigation Plan	LS	1	140	140	Development of a preliminary conceptual mitigation plan to include: mitigation narrative, conceptual mitigation layout and preliminary UNAMS, monitoring plan, monitoring schedule, and success criteria. Assumes a more detailed mitigation design and site clearance for cultural resources and contamination would be performed on a separate contract during design and permitting.
		Project Description and Objectives Subtotal			527	
		Hours Subject to QC			72	
Quality Assurance / Quality Control		LS	%	7%	5	Not included since Additional Services are N/A
PROJECT DESCRIPTION AND OBJECTIVES TOTAL HOURS					532	

2. PROJECT DESCRIP & OBJE - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
Use the following table to assist with task 2.2.6 Meetings and Presentations						
Technical Meetings						
Roadway	Typical Section	EA	2	3	6	1 meeting x (2 hrs/meeting + 1 hr notes/ agenda) x2 staff
	Access Management	EA	2	3	6	Included with Concept plans review and coordination (2 staff)
	Concepts	EA	4	3	12	1 meeting x (2 hrs/meeting + 1 hr prep/notes/agenda) x 4 staff
Drainage	Pond Siting	EA	2	4	8	2 meetings with County Staff (2 HDR Staff), 2 hrs (travel, prep, meeting, notes) x 2 staff = 4 hrs per meeting
	County Drainage	EA	4	6	24	4 meeting with County Staff (2 HDR Staff), 3 hrs (travel, prep, meeting, notes) x 2 staff = 6 hrs per meeting
	Agency (Drainage) Phellas County	EA	2	6	12	2 meetings with SWFWMD (2 HDR Staff), 3 hrs (travel, prep, meeting, notes) x 2 staff = 6 hrs per meeting
Structures	FDOT Structures	EA	1	6	6	1 meeting with County Staff x (2 hrs/meeting + 1 hr prep/notes/agenda) x 2 HDR staff = 6 hrs per meeting
	WMD (SWFWMD)	EA	1	3	3	1 meeting x (2 hrs/meeting + 1 hr notes/agenda) x 1 staff (Environmental Scientist)
	NMFS	EA	1	3	3	1 meeting x (2 hrs/meeting + 1 hr notes/agenda) x 1 staff (Environmental Scientist)
Environmental	USACE	EA	1	3	3	1 meeting x (2 hrs/meeting + 1 hr notes/agenda) x 1 staff (Environmental Scientist)
	USCG	EA	1	0	0	N/A
	USFWS	EA	1	3	3	1 meeting x (2 hrs/meeting + 1 hr notes/agenda) x 1 staff (Environmental Scientist)
	NPS	EA	1	0	0	N/A
	SHPO	EA	2	3	6	Assume 1 meeting with Phellas County and FDOT to discuss SHPO comments and concurrence
	USFS	EA	1	0	0	N/A
	FWCC	EA	1	0	0	N/A
	USDA & NRCS	EA	1	0	0	N/A
	USDOI	EA	1	0	0	N/A
	Noise Coordination	EA	2	6	12	2 meeting x (2 hrs/meeting + 1 hr notes/agenda) x 2 staff
	Cultural Resources Coordination	EA	1	9	9	Assume 1 meeting with Pinellas County and FDOT to discuss CRAS report and comments & 4f (3 staff)
	FDEP	EA	1	3	3	1 meeting x (2 hrs/meeting + 1 hr notes/agenda) x 1 staff (Environmental Scientist)
Traffic	FDOT Environmental	EA	4	9	36	4 meetings x (2 hrs/meeting + 1 hr notes/agenda) x 3 staff
	Traffic Methodology	EA	1	9	9	(1) 3 hour meeting with FDOT to discuss methodology meeting. Includes 1 hour for minutes. (3 staff from HDR)
	Traffic Design	EA	3	2	6	1- Coordination meeting w/ County Traffic. Two review meetings.
	Traffic Analysis	EA	3	6	18	Assumes 2 meetings x (2hrs/meeting + 1 hr notes/agenda) x 3 staff
	UAO & DUO	EA	2	3	6	(1) Four hour meeting with UAO's & (1) 2 hour meeting with County UC to finalize UAP.
Utilities and Railroad	Railroad Office	EA	1	0	0	N/A
	Tolls	EA	1	0	0	N/A
PM / EMO	Local Governments (cities, counties, MPO)	EA	2	3	6	1 meeting to present PD&E to County + MPO staff x (2 hrs/meeting + 1 hr notes/agenda) x 2 staff
Subtotal Technical Meetings					197	
PM / EMO	Progress Meetings (if required by FDOT)	EA	18	2	36	Bi-Monthly progress meetings with between HDR PM and County PM
	Phase Review Meetings	EA	2	3	6	PPT Meeting after draft and draft final submittals.
	Misc. Review Meetings	EA	1	0	0	
Total Meetings					239	Carry to task 2.2.6

3. PUBLIC INVOLV - HDR

Estimator: Stefanie McQueen (HDR)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.

PID 003879A

Representing	Print Name	Signature / Date
HDR	Stefanie McQueen	1-Apr-25

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
3.1	Public Involvement					
	3.1.1 Public Involvement <i>Plan</i> *	LS	1	60	60	
	Public Involvement Plan*	LS	1	40	40	HDR with Valerim assistance in developing PIP (officials list and plans for meeting logistics)
	Project Plan*	LS	1	0	0	n/a
	Web Site Development *	LS	1	0	0	n/a (County)
	Web Site Content Updates *	LS	1	20	20	HDR - 1 initial content and 6 updates (8 initial + 6 updates @ 2 hrs = 20 hrs.)
	3.1.2 Public Involvement Data Collection (incl. site selection)	LS	1	24	24	HDR prepared mailing area map and pull addresses from GIS (estimate 20,000 property owners) (6 hours each for initial and 3 updates) Valerim to clean up mailing lists.
					84	
	3.1 Public Involvement Total					
3.2	Scheduled Public Meetings					
	Project Kickoff Meeting					
	Development of Meeting Materials*	LS	1	84	84	
	Agenda *	LS	1	8	8	HDR
	Presentation*	LS	1	60	60	HDR - presentation with project Intro/graphics to BoCC (draft and final)
	Project Handouts *	LS	1	0	0	n/a
	Exhibits *	LS	1	0	0	n/a
	Notification Letters *	LS	1	4	4	HDR - postcard content and design to public and email to officials/agencies (draft and final) HDR to use County template.
	Press Release/Meeting Announcements *	LS	1	0	0	n/a
	Staff Briefing *	LS	1	12	12	HDR (2 meetings x 3 staff x 2 hours)
	Participation and Notes	LS	1	20	20	
	Participation	LS	1	12	12	HDR - 3 staff (2 hours + 2 hours travel) x 1 meeting
	Notes	LS	1	8	8	HDR - 8 hours for meeting summary

3. PUBLIC INVOLV - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
Presentation to Local MPOs and Associated Technical and Citizen Committees						
	Development of Meeting Materials *	LS	1	48	48	12 total meetings (3 to MPO Board and 3 each to TOC, BPAC, and CAC)
	Presentation *	LS	1	48	48	HDR - 3 presentations (modify Kchoff meeting, Alt Workshop, and Public Hearing presentations) - draft and final versions
	Project Handouts *	LS	1	0	0	n/a
	Exhibits *	LS	1	0	0	n/a
	Participation and notes	LS	1	120	120	HDR - 2 staff at 12 meetings (2 hours x 2 hours travel) = 2 x 12(4)
	Participation	LS	1	96	96	HDR - meeting notes (2 hours x 12 meetings)
	Notes	LS	1	24	24	1 SWFWMD meeting
Coordination Meetings with Key Agencies						
	Development or Updates of Meeting Materials *	LS	1	16	16	HDR - 1 presentation
	Presentation *	LS	1	0	0	n/a
	Project Handouts *	LS	1	0	0	n/a
	Exhibits *	LS	1	0	0	n/a
	Participation and notes	LS	1	4	4	HDR - 2 staff at 1 meetings (2 hours x 2 hours travel) = 1 x 2(4)
	Participation	LS	1	4	4	n/a
	Notes	LS	1	0	0	n/a
Corridor Workshop(s) or Public Informational Meeting(s)						
	Development of Meeting Materials*	LS	1	0	0	n/a
	Agenda *	LS	1	0	0	n/a
	Presentation *	LS	1	0	0	n/a
	Project Handouts *	LS	1	0	0	n/a
	Exhibits *	LS	1	0	0	n/a
	Notification Letters *	LS	1	0	0	n/a
	Press Release/Meeting Announcements *	LS	1	0	0	n/a
	Project Summaries *	LS	1	0	0	n/a
	Response letters *	LS	1	0	0	n/a
	Staff Briefing *	LS	1	0	0	n/a
	Participation and Notes	LS	1	0	0	n/a
	Participation	LS	1	0	0	n/a
	Notes	LS	1	0	0	n/a
Alternatives Public Information Meeting(s)						
	Development of Meeting Materials*	LS	1	564	564	1 workshop - two sessions (session 1: online and session 2: in-person)
	Agenda*	LS	1	12	12	HDR - presentation outline and meeting plan with Valeriu support
	Presentation *	LS	1	148	148	HDR - presentation, voiceover and pre-recorded video
	Project Handouts *	LS	1	24	24	HDR - alternatives handout with survey/comments
	Exhibits *	LS	1	240	240	HDR - display boards (18 intersection boards, 4 corridor plots, 12 additional board); Valeriu - meeting boards (8 hours x 30 boards)
	Notification Letters *	LS	1	64	64	HDR - newsletter to public and email/letter to agency/public officials; HDR to use County template.
	Press Release/Meeting Announcements *	LS	1	0	0	Valeriu - press release, FAR, newspaper ad
	Project Summaries *	LS	1	8	8	Valeriu - includes Alternative Workshop Summary; HDR assistance
	Response letters *	LS	1	36	36	HDR - Comment Summary and Response letters
	Staff Briefing *	LS	1	32	32	HDR & Valeriu - HDR attendance at 3 prep meetings and 1 post hearing briefing (4 staff x 4 briefings @ 2 hour)
	Participation and Notes	LS	1	48	48	HDR & Valeriu - HDR attendance on virtual meeting (4 staff x 2 hours) and in-person meeting (10 staff x 4 hours for set up/meeting/clean up)
	Participation	LS	1	48	48	Valeriu - meeting summary
	Notes	LS	1	0	0	n/a
Additional Coordination and Consensus Building Meeting(s)						
	Development of Meeting Materials *	LS	1	0	0	n/a
	Meeting preparation *	LS	1	0	0	n/a
	Create or Update Presentation *	LS	1	0	0	n/a
	Participation and Notes	LS	1	0	0	n/a
	Participation	LS	1	0	0	n/a
	Notes	LS	1	0	0	n/a

3. PUBLIC INVOLV - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
Community / Stakeholder Forum(s)						
	Development of Meeting Materials*	LS	1	192	192	6 meetings
	Agenda *	LS	1	12	12	HDR - 6 meetings at 2 hours
	Presentation *	LS	1	48	48	HDR - 6 meetings at 8 hours
	Project Handouts *	LS	1	48	48	HDR - project factsheet and/or intersection info sheet (6 x 8 hours)
	Exhibits *	LS	1	48	48	HDR - exhibit boards (8 hours x 6 meetings)
	Notification Letters *	LS	1	0	0	n/a
	Press Release/Meeting Announcements *	LS	1	0	0	n/a
	Project Summaries *	LS	1	0	0	n/a
	Response letters *	LS	1	24	24	HDR - 4 hours x 6 meetings to assist with County responses
	Staff Briefing *	LS	1	12	12	HDR - 1 hour briefing for each meeting (2 staff)
	Participation and Notes	LS	1	60	60	
	Participation	LS	1	48	48	HDR - 2 staff attendance (4 hours) x 6 meetings, includes travel.
	Notes	LS	1	12	12	HDR - 2 hours for each meeting x 6 meetings
Environmental Forum(s)						
	Development of Meeting Materials*	LS	1	0	0	n/a
	Agenda *	LS	1	0	0	n/a
	Presentation *	LS	1	0	0	n/a
	Project Handouts *	LS	1	0	0	n/a
	Exhibits *	LS	1	0	0	n/a
	Notification Letters *	LS	1	0	0	n/a
	Press Release/Meeting Announcements *	LS	1	0	0	n/a
	Project Summaries *	LS	1	0	0	n/a
	Response letters *	LS	1	0	0	n/a
	Staff Briefing *	LS	1	0	0	n/a
	Participation and Notes	LS	1	0	0	
	Participation	LS	1	0	0	n/a
	Notes	LS	1	0	0	n/a
Other Public and Agency Meetings (Specify) or informal meetings						
	Development of Meeting Materials *	LS	1	0	0	n/a
	Presentation *	LS	1	0	0	n/a
	Project Handouts *	LS	1	0	0	n/a
	Exhibits *	LS	1	0	0	n/a
	Participation and notes	LS	1	0	0	
	Participation	LS	1	0	0	n/a
	Notes	LS	1	0	0	n/a
3.2 Scheduled Public Meetings Total					1156	

3. PUBLIC INVOLV - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
3.3	Public Hearing					
	Public Hearing Materials	LS	1	492	492	1 hybrid public hearing (virtual simulcast of live, in-person meeting)
	Public Officials and Regulatory Agency Letters *	LS	1	16	16	HDR - letter/email
	Property Owner Letters *	LS	1	40	40	HDR - newsletter
	Public Hearing Notices and publication in the FAR *	LS	1	0	0	Valerin - FAR
	Notification on the Department's Public Notice webpages through the District PIO *	LS	1	8	8	HDR
	* Identify website(s) and/or locations for document public availability	LS	1	0	0	Valerin
	Presentation with Script *	LS	1	148	148	HDR
	Proposed typical sections and aerials *	LS	1	152	152	HDR (2 sets - preferred all concept roll plot board; 9 intersection boards; 8 additional boards) - 8 hours x 19 boards
	Hard copies of technical reports and Environmental Documents	LS	1	0	0	Valerin
	Meeting Location Signs *	LS	1	0	0	Valerin
	Brochures or handouts *	LS	1	36	36	HDR
	Title VI compliance signs *	LS	1	0	0	Valerin
	NEPA Assignment compliance signs *	LS	1	0	0	Valerin
	Security	LS	1	0	0	by County (TBD)
	Advertisements *	LS	1	0	0	Valerin - newspaper ad
	Press Releases *	LS	1	0	0	Valerin
	Meeting Site Selection	LS	1	0	0	Valerin; includes all logistics and technology related to simulcast of Public Hearing
	Written Responses to Comments *	LS	1	40	40	HDR
	Transcript, errata sheet and certification *	LS	1	4	4	Valerin - includes Public Hearing Scrapbook; HDR QC of transcript and other meeting summary
	Arrange for Court Reporter	LS	1	0	0	Valerin
	Staff Briefing *	LS	1	48	48	HDR & Valerin - attendance at 3 prep meetings and 1 post hearing briefing (6 staff at 2 hours each)
	Participation and Notes	LS	1	40	40	
	Participation	LS	1	40	40	HDR & Valerin - HDR attendance at in-person meeting (10 staff x 4 hours for set up/meeting/clean up)
			3.3 Public Hearing Total		532	
3.4	Comments and Coordination Report *	LS	1	24	24	Valerin with HDR support
3.5	Notification of Approved Environmental Document *	LS	1	8	8	HDR - newspaper ad for LDCA (4 hours); postcard mailer to public announcing LDCA (4 hours); Newspaper ad costs to be covered as direct expense.
3.6	Additional Public Involvement Requirements					
	General Public Correspondence *	LS	1	48	48	HDR (2 hours x 24 months)
	News Letters, Fact Sheets, Preparation / Distribution *	LS	1	0	0	n/a - covered under earlier tasks
	Frequently Asked Questions (FAQs) *	LS	1	12	12	HDR (FAQs for all workshop and website content)
	Videos, Renderings, Fly-through, 3-D Visualization *	LS	1	538	538	HDR - drone footage (16 hours), 18 photosimulation prelim renderings for Alt Workshop (300 hours for 9 intersections x 2 photosims for each alternative), 9 photosimulations for preferred alt at Public Hearing (100 hours for 9 intersections), typical cross section graphics (50 hours), Vissim intersection animations/visualizations (40 hours for Alt Workshop and Public Hearing videos), innovative intersection walk board graphics for alt workshop (32 hours)
	Design Charrettes *	LS	1	0	0	n/a
	Other *	LS	1	120	120	HDR - Study documents are prepared for posting on website. Make reports ADA accessible (draft 20 documents (100 pages max each) x 4 hours and final 20 documents (100 pages max each) x 2 hours)
	3.6 Additional Public Involvement Requirements Total				718	
	Public Involvement Subtotal				2522	
	Hours Subject to QC				2206	
	Quality Assurance / Quality Control	LS	%	5%	110	
	PUBLIC INVOLVEMENT TOTAL HOURS				2632	

4. ENG ANALYSIS & REP - HDR

Estimator: Marlin Register / Bryan St. George / Bart Rohrer / Bijan Behzadi (HDR)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing	Print Name	Signature / Date
HDR	Marlin Register	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.1	Review of Previous Studies	LS	1	4	4	Review and confirmation of traffic data from Preliminary Corridor Analysis.
4.2	Existing Conditions Analysis					
	Data Collection	LS	1	32	32	Collection of Forward Pinellas and County plan information, existing plans, aerials, maintenance information, signal timings/coordination, PSTA data
	Field Review	LS	1	48	48	1 for roadway (2 people @ 8 hours), 2 for drainage (2 people @ 8 hours)
		4.2 Existing Conditions Analysis Total			80	
4.3	Survey					
	4.3.1 Survey Design *	LS	1	0	0	N/A (Provided by County)
	Survey Coordination	LS	1	0	0	N/A (Provided by County)
	4.3.2 Photogrammetry *	LS	1	0	0	N/A
	Aerial Photography	LS	1	0	0	N/A
		4.3 Survey Total			0	
4.4	Geotechnical Investigation					
	Soils	LS	1	0	0	See Engineering Analysis & Rep - Arehna
	Geotechnical Coordination	LS	1	4	4	Coordination with Arehna for field collection and County survey of boring information.
	Geotechnical Design Services *	LS	1	0	0	See Engineering Analysis & Rep - Arehna
		4.4 Geotechnical Investigation Total			4	

4. ENG ANALYSIS & REP - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.5	Traffic Analysis					
	4.5.1 Traffic Analysis Methodology *	LS	1	24	24	Traffic Methodology Statement in accordance with FDOT's Project Traffic Forecasting Procedure (#525-030-120) (24 hrs)
	4.5.2 Traffic Courts *	LS	1	81	81	Process count data ((6-hr TMCs at 37 intersections and 72-hr approach counts at 44 locations at 1 hrs/location) (81 hrs))
	4.5.3 Vehicle Class Counts on Roadway Segments and Ramps *	LS	1	0	0	N/A
	4.5.4 Pedestrian, Bicycle, and Other Multimodal Data *	LS	1	0	0	N/A besides what comes with the TMCs
	4.5.5 Calibration and Validation Data *	LS	1	133	133	AMPM travel time runs ((1 segment NBSB at 16 hrs) (16 hrs)) AMPM queue length observations ((13 signalized intersections at 9 hrs/intersection) (117 hrs))
	4.5.6 Existing Traffic Operational Analysis *	LS	1	274	274	Traffic factors and characteristics (8 hrs) Volume balancing and AADT development ((2 periods at 40 hrs/period) (80 hrs)) Existing Year AMPM VISSIM microsimulation analysis for existing conditions (No Build Alt). Includes model network development (coding and model debugging (120 hrs), signal coding (13 intersections at 2 hrs/intersection) (26 hrs), model runs and observing animation (16 hrs), MOE extraction (post processing and output conversion (24 hrs))
	4.5.7 Model Calibration and Validation *	LS	1	80	80	Iterations to meet targets (80 hrs)
	4.5.8 Future Demand Forecasting *	LS	1	292	292	Growth rate checks to confirm horizon year No Build model reasonableness (12 hrs) TBRPM horizon year 1 Build Alternative coding and model runs (40 hrs) Design hour traffic volume development No Build Alternative (2 analysis years x 2 time periods x 40 hrs/scenario) (160 hrs)
	4.5.9 No-Build Analysis *	LS	1	86	86	2050 design hour traffic volume development (2 time periods x 20 hrs/time period) (40 hrs) 2030 design hour traffic volume development (2 time periods x 20 hrs/time period) (40 hrs) Design and Opening Year AM/PM VISSIM microsimulation analysis for existing plus committed conditions (no Build Alternative. Includes preliminary Synchro timing optimization ((13 intersections at 2 hrs/intersection) (26 hrs)), model volume updates ((8 hrs/scenario at 2 scenarios) (16 hrs)), model runs and observing animation (32 hrs), and results summary tables (12 hrs)
	4.5.10 Development and Screening of Alternatives *	LS	1	312	312	Stage 1 ICE analysis and geometric vetting (13 intersections at 24 hrs/intersection) (312 hrs)
	4.5.11 Operational Evaluation of Build Alternatives *	LS	1	372	372	Design and Opening Year AMPM VISSIM microsimulation for 2 Build Alternatives. Includes model network development (coding and model debugging 240 hrs), preliminary Synchro timing optimization (13 intersections x 2 hrs/intersection x 2 alternatives) (52 hrs), model runs and observing animations (16 hrs/alternative x 2 alternatives) (32 hrs), MOE extraction (post processing and output conversion (48 hrs)
	4.5.12 Project Traffic Analysis Report *	LS	1	170	170	Draft PTAR (120 hrs)
	4.5.13 Interchange Access Request *	LS	1	0	0	Comment responses and Draft Final PTAR (30 hrs) Comment responses and Final PTAR (20 hrs)
	4.5.14 Traffic Data for Noise Study *	EA	1	24	24	N/A Existing and Design Year, AM and PM, No Build and Build demand, speed limit, vehicle percentage, and LOS C directional hourly volumes provided for the major and minor streets. Provide table with traffic data (24 hrs)
	4.5.15 Traffic Data for Air Quality Analysis *	EA	1	0	0	Optional Service
	4.5.16 Signalization Analysis *	LS	1	72	72	13 signalized intersections: Prepare preliminary signal operating plan, ring sequence, and preliminary signal timing chart based on the proposed geometry of each intersection. This information will be formatted to be included in the project traffic analysis report. 13 x 4 = 72 hours.
	4.5 Traffic Analysis Total				1920	

4. ENG ANALYSIS & REP - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.6	Signage *	LS	1	204	204	Existing Sign Inventory - 12 hours; Conceptual signing plan for innovative intersections (12 intersections * 2 alternatives * 8 hours ea) = 12 = 12 intersections x 2 x 8 hrs = 204 hrs.
4.7	Tolling Concepts *	LS	1	0	0	N/A
4.8	Safety					
	4.8.1 Crash Data *	LS	1	13	13	Collect crash data from FDOT's Signal 4 Analytics (13 intersections x 1 hrs/intersection) (13 hrs)
	4.8.2 Safety Analysis					
	Historical Crash Analysis *	LS	1	156	156	Filter and manipulate crash data (13 intersections x 4 hrs/intersection) (52 hrs) Create crash diagrams and summary tables (13 intersections x 8 hrs/intersection) (104 hrs)
	HSM Safety Analysis *	LS	1	78	78	Utilize CMFs for predictive crash analysis (13 intersections x 2 alternatives/intersection x 3 hrs/alternative) (78 hrs)
	4.8.3 Documentation of Safety Analysis *	LS	1	60	60	Draft Safety Analysis documentation to be used in PTAR (40 hrs) Final Safety Analysis documentation to be used in PTAR after comments are addressed (20 hrs)
				4.8 Safety Total	307	
4.9	Utilities and Railroads					
	4.9.1 Utilities *	EA	1	12	12	HDR Time for Conflict Analysis for Section 4.0 of UAP. See Harbor Coordination for hours.
	4.9.2 Railroad *	EA	1	0	0	N/A
				4.9 Utilities and Railroads Total	12	
4.10	Roadway Analysis					
	4.10.1 Design Controls and Criteria *	LS	1	30	30	Development of design criteria + 2 updates during project due to criteria updates (24 hours + 2*3 hrs updates)
	4.10.2 Typical Section Analysis *	EA	9	7.33	66	East Lake Rd. (6 - existing, inside widening, DLT, MUT, RCUT, preferred); Tampa Rd.; Keystone Rd. Trinity Blvd.
	4.10.3 Geometric Design *	LS	1	280	280	Two alternatives reflecting different intersection types.
	4.10.4 Intersections and Interchange Evaluation *	EA	24	40	960	12 signalized intersections along corridor. Two alternatives each.
	4.10.5 Access Management *	LS	1	20	20	Divided roadway analysis.
	4.10.6 Multimodal Accommodations *	LS	1	4	4	Review and documentation of PSTA stops and data. No freight analysis.
	4.10.7 Maintenance of Traffic *	LS	1	160	160	Conceptual analysis with some minor cross section evaluation.
	4.10.8 Lighting *	LS	1	40	40	Evaluation of lighting alts to replace dual cobra head median poles.
				4.10 Roadway Total	1560	
4.11	Identify Construction Segments *	LS	1	40	40	Assume 4 major segments: Curlew Rd./Tamp Rd.; two intermediate widenings; Keystone/Trinity Blvd.
4.12	Transportation Systems Management and Operations *	LS	1	80	80	Prepare ConOps and PSEMP for this new alignment to discuss the new intelligent devices (ATC, Transit Signal Priority, ATCS, Detection, Incident Verification and Management, and communication schema.

4. ENG ANALYSIS & REP - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.13	Structures					
	4.13.1 Existing Structures*	EA	8	7.25	58	Collection of data of 8 existing bridges Multi-span bridges over water (150220, 154151, 154154, and 154157): 4 @ 10 hrs = 40 hrs Multi-span bridges over water (154158 and 154159): 2 @ 8 hrs = 16 hrs (KCA Design; coordinate and obtain information from KCA) Twin 10-span bridges over water and road (154155 and 154156): 2 @ 4 hrs = 8 hrs (obtained information with current HDR Feasibility Study) Total 58 hrs
	4.13.2 Structure Typical Sections *	EA	13	6.15	80	Widening of 8 Existing Bridges: 150220: 2 alternatives @ 8 hrs 154151: 1 alternative @ 6 hrs (Pinellas County RFP; use typical section defined in RFP) 154154: 1 alternative @ 8 hrs 154155 (SB): 1 alternative (inside widening) @ 4 hrs (HDR Feasibility Study) 154156 (NB): 1 alternative (inside widening) @ 4 hrs (HDR Feasibility Study) & 1 alternative @ 6 hrs (outside widening) 154157: 1 alternative @ 8 hrs 154158 (NB): 1 alternative @ 6 hrs (KCA Design; coordinate and obtain typical section from KCA) 154159 (SB): 1 alternative @ 6 hrs (KCA Design; coordinate and obtain typical section from KCA) New Bridges: NB East Lake Rd over Trinity Blvd: 1 alternative @ 8 hrs EB Key Stone Rd over East Lake Rd: 1 alternative @ 8 hrs
	4.13.3 Structure Design Alternatives *	EA	1	254	254	Bridge Geometry/Type: Widening of 8 Existing Bridges: 150220: 2 alternatives @ 10 hrs/ea 154151: 2 alternatives @ 10 hrs/ea 154154: 1 alternative @ 12 hrs 154155 (SB): 1 alternative (inside widening) @ 24 hrs/ea 154156 (NB): 2 alternatives (inside & outside widening) @ 24 hrs/ea 154157: 1 alternative @ 10 hrs/ea 154158 (NB): 1 alternative @ 10 hrs/ea 154159 (SB): 1 alternative @ 10 hrs/ea 11 alternatives = 154 hrs New Bridges: NB East Lake Rd over Trinity Blvd: 1 alternative @ 24 hrs/ea EB Key Stone Rd over East Lake Rd: 1 alternative @ 24 hrs/ea 2 alternatives = 48 hrs Preparation of structures writeup (8 existing and 2 new bridges) = 24 hours Quantitly estimates for Construction Cost Estimate: 11 alternatives (existing bridges) @ 2 hrs + 2 alternatives (new bridges) @ 3 hrs = 28 hrs (154 + 48 + 24 + 28 = 254 hrs)
			4.13 Structures Total		392	

4. ENG ANALYSIS & REP - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.14	Drainage					
	4.14.1 Floodplain and Environmental Permit Data Collection *	LS	1	32	32	Numerous existing ERPs with multiple modifications. Multiple existing permitted Joint-Use ponds and adjacent development ERPs within project limits.
	4.14.2 Drainage Analysis *	Per Basin	18	34	612	18 basins within the project limits. Perform drainage analysis by delineating the basin boundaries using LIDAR information, existing survey, existing ERPs, previous studies, and field observations. The task also include checking the capacity of existing cross drains that are required to be extended based upon available discharge date from previous studies, establishing preliminary roadway profile with estimated design high water.
	4.14.3 Floodplain Compensation Analysis *	Per Encroach.	12	32	384	12 individual floodplain impact areas evaluated for floodplain impacts and compensation. Evaluate 1 floodplain compensation area based upon FEMA Floodplain limits and lidar elevation for impacts assumed ROW to ROW
	4.14.4 Stormwater Management Analysis					
	Enviro. Look Around (ELA) Meeting and Pond Siting Meeting	LS	1	0	0	N/A
	Stormwater Management *	Per Basin	18	40	720	18 basins within the project limits. Evaluate 3 stormwater alternatives per basin based upon Pinellas County performance based nutrient removal criteria (2021 Pinellas County Stormwater Manual); No stormwater modeling
	Pond Siting Report or Conceptual Drainage Design Report*	LS	1	70	70	Preparation of the report writeup, exhibits, tables, construction cost estimate with compilation of supporting data and meeting minutes.
	4.14.5 Drainage Design *	LS	1	0	0	N/A
	4.14.6 Location Hydraulic Report *	LS	1	40	40	Prepare Location Hydraulic Report in accordance with Part 2, Chapter 13 of the PD&E Manual
4.15	4.14.7 Bridge Hydraulic Evaluation*	EA	0	0	0	N/A
	4.14.8 Sea Level Rise Analysis*	LS	1	32	32	Review potential project impacts through TBCSP projections; Coordinate screening through FRT
				4.14 Drainage Total	1858	
	Landscaping Analysis *	LS	1	0	0	N/A
4.16	Construction and Right of Way Cost Estimates					
	4.16.1 Construction Cost Estimates *	LS	1	52	52	2 alternatives; segmented; few issues assumed; 2 updates
	4.16.2 Right of Way Cost Estimates *	LS	1	150	150	306 parcels (162 ponds, 36 FPC sites) Side street parcels (108) to be included as a optional service.
				4.16 Construction and Right of Way Cost Estimates Total	202	
4.17	Alternatives Evaluation					
	4.17.1 Comparative Alternatives Evaluation *	LS	1	36	36	2 alternatives; segmented; few issues assumed; 2 updates
	4.17.2 Selection of Recommended Alternative *	LS	1	4	4	Marlin Register
	4.17.3 Value Engineering *	LS	1	0	0	N/A
				4.17 Alternatives Evaluation Total	40	
4.18	Concept Plans					
	4.18.1 Base Map *	Sheet	38	10	380	1"=100'; 1400'x950' coverage, 33 sheets mainline, 2 sheets Tampa Rd & Keystone, 1 sheet Trinity = 38 sheets; medium density suburban
	4.18.2 Alternatives Concept Plans *	Sheet	66	10	660	2 alternatives; 66 sheets total. (Match lines to be used to match to areas outside of intersections when matching widening section of East Lake Rd. to reduce sheet count)
	4.18.3 Preferred Alternative *	Sheet	38	6	228	1 alternative; potentially hybrid of two alternatives due to intersection types.
	4.18.4 Typical Section Package *	LS	1	0	0	N/A. Typical sections will be part of PER
	4.18.5 Design Exceptions and Design Variations *	EA	1	6	6	N/A; List will be prepared as part of PER
4.19				4.18 Concept Plans Total	1274	
	Transportation Management Plan *	LS	1	16	16	Moderate to High work zone impacts due to multiple intersections.

4. ENG ANALYSIS & REP - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.20	Risk Management					
	Meeting Materials*	LS	1	0	0	N/A
	Meeting Participation	LS	1	0	0	N/A
		4.20 Risk Management Total			0	
4.21	Engineering Analysis Documentation					
	Draft Engineering Analysis Documentation*	LS	1	200	200	Prepare draft PER and address initial comments
	Final Engineering Analysis Documentation *	LS	1	150	150	Prepare final PER with Pinellas and OEM comments
		4.21 Engineering Analysis Documentation Total			350	
4.22	Planning Consistency					
	4.22.1 Transportation Plans	LS	1	4	4	1 County/1 MPO
	4.22.2 Planning Consistency Form *	LS	1	8	8	Address comments from OEM in Type 2 CE form and coordination with Pinellas County.
		4.22 Planning Consistency Total			12	
4.23	Transit Systems and Service					
	4.23.1 Transit Concepts and Alternatives					
	Review of Transit Concepts and Alternatives Report (TCAR)	LS	1	0	0	N/A
	Review of Bicycle/Greenway plans	LS	1	0	0	N/A
	Develop Transit Concepts and Alternatives Report *	LS	1	0	0	N/A
	4.23.2 Existing and Planned Transit Infrastructure and Services *	LS	1	0	0	N/A
	4.23.3 Connectivity and Accessibility *	LS	1	0	0	N/A
	4.23.4 Transit Operational Analysis *	LS	1	0	0	N/A
	4.23.5 Ridership and Revenue Estimations					N/A
	Ridership and Revenue Forecasts *	LS	1	0	0	N/A
	Operating and Ridership Sensitivity Testing *	LS	1	0	0	N/A
	Ridership and Revenue Results Documentation *	LS	1	0	0	N/A
	4.23.6 Transit Cost Estimates and Financial Commitments *	LS	1	0	0	N/A
	4.23.7 Proposed Transit Service and Operations Plan *	LS	1	0	0	N/A
	4.23.8 Transit Infrastructure Alternatives *	LS	1	0	0	N/A
	4.23.9 Constructability Review *	LS	1	0	0	N/A
		4.23 Transit Systems, Service, and Design Total			0	
		Engineering Analysis and Report Subtotal			8355	
		Hours Subject to QC			8263	
	Quality Assurance / Quality Control	LS	%	6%	496	
		ENGINEERING ANALYSIS AND REPORT TOTAL HOURS			8851	

5. ENVIRON. ANALYSIS & RE - HDR

Estimator: Noemi Castillo (HDR)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing	Print Name	Signature / Date
HDR	Noemi Castillo	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
NOTE: * subject to QC						
5.1	Sociocultural Effects					
	5.1 Sociocultural Effects Evaluation or Report *	LS	1	40	40	High number of communities impacted within the project limits. Review of community plans to identify their goals and how this project will impact those community goals. Review of comprehensive plan to document aesthetics, social and mobility impacts to the communities within the project limits. Documenting the impacts in the Type 2 CE only (No formal report).
	5.1.1 Social *	LS	1	8	8	Update ETDM social data. Obtain Census data.
	5.1.2 Economic *	LS	1	0	0	
	5.1.3 Land Use Changes *	LS	1	0	0	
	5.1.4 Mobility *	LS	1	0	0	
	Transit Only *	LS	1	0	0	
	5.1.5 Aesthetics *	LS	1	0	0	
	5.1.6 Relocation Potential					
	Review and Impact Determination *	LS	1	0	0	
	Conceptual Stage Relocation Plan (CSRPP) *	LS	1	0	0	Optional Services
	5.1 Sociocultural Effects Total				48	
5.2	Cultural Resources					SEARCH
	Research Design and Survey Methodology *	LS	1	0	0	
	5.2.1 Archaeological and Historic Resources					
	Cultural Resource Assessment Survey (CRAS) *	LS	1	8	8	HDR review of the concept plans and introduction of the report.
	CRAS Addendum or Technical Memo. for Pond Sites *	LS	1	0	0	
	Determination of Eligibility (DOE) Als Required	LS	1	0	0	
	Case Study Report *	LS	1	0	0	
	Memorandum of Agreement (MOA) *	LS	1	0	0	
	Section 4(f) Evaluation for Historic Resources *	LS	1	0	0	
	Section 106 Consultation Meetings	LS	1	0	0	
	Native American Coordination Meeting	LS	1	0	0	
	Section 106 Public Involvement	LS	1	0	0	
	Florida Master Site File Form *	LS	1	0	0	
	5.2.2 Recreational, Section 4(f) *					
	Section 4(f) Determination of Applicability *	EA	2	32	64	Assume 2 Section 4(f) protected resources: Pinellas Trail and John Chestnut Park. Section 4(f) DOA forms: (24 hrs draft forms + 16 hrs final)
	Section 4(f) "de minimis" documentation *	EA	0	0	0	Future additional services if required.
	Section 4(f) Evaluation *	EA	0	0	0	Future additional services if required.
	5.2 Cultural Resources Total				72	

5. ENVIRON. ANALYSIS & RE - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
5.3	Natural Resources					
	5.3.1 Wetlands					
	Wetlands - Data Collection	LS	1	258	258	High effort. Collect general wetland and OSW limits in roadway ROW and in pond site alternatives. Flagging for survey not required. Complete UMAM field assessments for wetlands. Mainline: Approximately 38 wetlands in roadway ROW (approx. 8.55 acres total). 8 hours for Mainline research. Mainline Field work per trip (4, 10-hr field days) = 4 hrs; mainline total = 42 hrs x 2 staff = 84 hrs for mainline field work. Pond Sites: 66 pond sites (18 basins and 3 pond sites per basin = 54 pond sites, 12 floodplain encroachments, 1 site per encroachment= 12 sites). Only preferred pond sites will be field reviewed (18 pond sites + 12 floodplain compensation sites = 30). All pond site alternatives will be desk top reviewed. 66 hrs for desk top environmental review of pond site alternatives (1 hrs per pond site alternative). Pond Site Field work hours: 30 preferred pond sites x 1.5 hrs per preferred pond = 45 hrs; Pond Sites Travel = 0.5 hrs each way travel per trip (5, 10-hr field days) = 5 hrs; Pond Site Field work total = 50 hrs x 2 staff = 100 hrs for Pond Site Field work. Total = 8 mainline research hrs + 84 mainline field work hrs + 66 pond site alternatives desk top review hrs + 100 pond field work hrs= 258 hrs total.
	Wetlands - Evaluation *	LS	1	160	160	Evaluate impacts to wetlands for the roadway alternatives and pond alternatives to the level needed to assist in the alternatives analysis and propose measures to avoid or minimize impacts to unavoidable impacts. High effort. Approximately 38 wetlands in ROW. Fill out UMAM forms for wetlands being impacted. Evaluate total UMAM functional loss for preferred alternative. Hours based on lengthy widening project, with a high number of pond site alternatives, and a high number of potential involved wetland areas.
	5.3.2 Essential Fish Habitat					
	Essential Fish Habitat - Data Collection	LS	1	16	16	The National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS) Essential Fish Habitat (EFH) Mapper and Southeast Inland Mapper was reviewed and potential species for which there is EFH in the project area include pink shrimp, white shrimp, red drum, goliath grouper, gray snapper, and cubera snapper.
	Essential Fish Habitat Assessment *	LS	1	40	40	As per the ETDW Programming Screen Report, NMFS commented that the marshes that may be impacted by the project are found along the shorelines of the Lake Tarpon Canal. Prepare an EFH Assessment.
	5.3.3 Wildlife and Habitat					
	Data Collection	LS	1	196.5	197	Medium to high effort. Research and assess project area for potential utilization by protected species. 64 hrs for research. Perform general habitat/species field survey in the project area including preferred pond site alternatives. Mainline: Total mainline assessment area is approximately 250 acres minus wetlands (8.55 acres), minus specific survey acreage (121 acres) = 120.5 acre. 0.5 hr per acre= 60.25 hrs. Mainline Travel = 0.5 hrs each way travel per trip (6, 10 hr field days) = 6 hrs; Mainline field total = 66.25 hrs x 2 staff = 132.5 hrs for mainline field work. Only preferred pond sites will be field reviewed (18 pond sites + 12 floodplain compensation sites = 30). Pond Sites: All pond site (66 pond sites) alternatives will be desk top reviewed. Only preferred pond sites will be field reviewed (18 pond sites + 12 floodplain compensation sites = 30). Field work for preferred pond sites will be performed concurrent with pond site assessments included under wetland field hours (no additional time required). Total = 64 hours for desktop research + 132.5 hrs for mainline field work = 196.5 hrs
	Specific Survey and Consultation	LS	1	143	143	High effort. 50% mainline and preferred pond survey for gather boboises. Eagle nest survey out to 2 miles from the location of Eagle Nest P003, the project area. Eagle nest survey conducted. Eagle Nest P004 near Booker Creek. No other species specific survey needed at this time. Eagle nest survey = 4 hours, plus 0.5 hrs each way travel = 5 hrs x 2 staff = 10 hrs. Mainline: Total mainline assessment area is approx. 250 acres - 8.55 acres (wetlands) x 50%= 121 acres; 0.5 hr per acre= 60.5 hrs. Mainline Travel = 0.5 hrs each way travel per trip (6, 10 hr field days) = 6 hrs; Mainline field total = 66.5 hrs x 2 staff = 133 hrs for mainline field work. Mainline total = 71.5 hrs x 2 staff = 143 hrs for mainline field work. Pond Sites: Only preferred pond sites will be field reviewed (18 pond sites + 12 floodplain compensation sites = 30). Field work for preferred pond sites will be performed concurrent with pond site assessments included under wetland field hours (no additional time required). Total = 71.5 hrs x 2 staff = 143 hrs for mainline field work plus Eagle nest survey
	Analysis *	LS	1	90	90	Standard biological assessment to evaluate involvement with wildlife and their habitat.
	Conservation Measures and Mitigation Plan *	LS	1	0	0	Assumed not required. Can add on at a later date if determined to be needed.
	5.3.4 Natural Resource Evaluation (NRE) Report *	LS	1	160	160	High effort: Draft report and final report per the July 2020 NRE Outline and Guidance. Propose and coordinate Implementation Measures and Commitments with the District. Review and respond to OEH and District comments. Incorporate NRE and District Comments. Review agency responses and incorporate into NRE. One NRE for mainline and pond sites.
	5.3.5 Water Quality *	LS	1	8	8	Prepare a standard WQIE form
	5.3.6 Special Designations *	LS	1	2	2	Lake Tarpon is an Outstanding Florida Water (OFW) and an Aquatic Preserve
	5.3.7 Identify Permit Needs *	LS	1	4	4	Identification only. Pre-app meeting is covered under Tab 2
	5.3.8 Farmland *	LS	1	4	4	Review of NRCS farmland
	5.3 Natural Resources Total				1082	

5. ENVIRON. ANALYSIS & RE - HDR

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
5.4	Physical Effects					
5.4.1 Noise						
	Methodology Meeting	LS	1	12	12	Attend Noise Methodology Meeting
	Data Collection	LS	1	8	8	8 Hours to prepare for meeting. One virtual 2-hr meeting with District noise staff. 2 staff.
	Land Use Field Review/Outdoor Advertising Identification	LS	1	0	0	Coordination collection of as-builts, and review land-use plans
	Field Measurement and Model Validation *	LS	1	64	64	Included in Field Measurement and Model Verification
	Outdoor Advertising Identification	LS	1	0	0	2 staff - three 8hr-days in the field for reconnaissance and measurements at up to 12 locations, including travel, plus 8 hrs to prepare for field work= 56 hrs, plus 8 hours to validate model
	Construction Noise and Vibration Assessment *	LS	1	6	6	Included in Field Measurement and Model validation
	Analysis and Noise Abatement Evaluation *	EA	1	940	940	Assume general verbiage from PD&E Manual, Ch. 18; no special analysis required High Effort. The WMD Residential Areas data shows that there are 507.47 acres (35.13%) of residential areas, consisting of 2,482 housing units, and a large number of community facilities within the projects 500-foot project buffer and, several residential developments have large, brick, concrete, or some other form of privacy fence. Existing Conditions Noise Model - No-Build Noise Model - Future Conditions Noise Model; approx. 9.5 miles of mainline and up to 24 CNEs (total for both sides of mainline); Assumes 19 CNEs at 40 hrs each; 5 CNEs (mainly commercial) at 20 hours. Plus 4 SLUs at 20 hrs each. Total Hour = 940 hrs
	Noise Report *	LS	1	100	100	Draft report and final report according to the PD&E manual. Plus One virtual 2-hr meeting with District noise staff. 2 staff, to discuss DOT comments.
	5.4.2 Transit Noise and Vibration Analysis *	LS	1	0	0	N/A
	5.4.3 Air Quality					
	Data Collection	LS	1	0	0	N/A
	Screening Analysis *	LS	1	0	0	N/A
	Air Quality Modeling *	LS	1	0	0	N/A
	Air Quality Technical Memorandum *	LS	1	0	0	Not Applicable. Standard Statement will be written in the Environmental Document
	Mobile Air Toxics Analysis *	LS	1	0	0	Project anticipated as Type 2 CE; therefore, considered a project w/ no potential MSAT effects.
	5.4.4 Construction Impact Analysis *	LS	1	2	2	Prepare standard statement related to project construction impacts
	5.4.5 Contamination					
	Field Data	LS	1	100	100	Mainline: site visits for mainline and associated contamination sites (3 day * 2 staff * 10 hrs) including field work and travel time Pond sites: Site visits for preferred pond sites (30) and associated contamination sites (2 day * 2 staff * 10 hrs) including field work and travel time.
	Analysis and Report *	LS	1	327	327	Mainline contamination site research (62 contamination sites * 2.5 hrs per site) + Draft CSER preparation (40 hrs) Pond Sites: research for 66 pond sites and associated contamination sites and update Draft CSER to include these sites.
			5.4 Physical Effects Total		1559	
5.5	Cumulative Effects Evaluation *	EA	0	0	0	N/A, Type 2 CE
5.6	Project Commitments Record *	LS	1	16	16	Uploading commitments in PSEE and addressing comments
			Environmental Analysis and Report Subtotal		2777	
			Hours Subject to QC		2043	
	Quality Assurance / Quality Control	LS	%	5%	102	
			ENVIRONMENTAL ANALYSIS AND REPORT TOTAL HOURS		2879	

6. ENVIRONMENTAL DOC - HDR

Estimator: Lilliam Escalera (HDR)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing		Print Name				Signature / Date	
HDR		Lilliam Escalera					

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
6 Environmental Document						
	Categorical Exclusion Type 2 *	LS	1	180	180	Type 2 CE from SWEPT.
	Environmental Assessment *	LS	1	0	0	N/A
	Finding of No Significant Impact (FONSI) *	LS	1	0	0	N/A
	Draft Environmental Impact Statement (DEIS) *	LS	1	0	0	N/A
	Final Environmental Impact Statement (FEIS) *	LS	1	0	0	N/A
	Record of Decision (ROD) *	LS	1	0	0	N/A
	Combined FEIS/ROD *	LS	1	0	0	N/A
	State Environmental Impact Report *	LS	1	0	0	N/A
Environmental Document Subtotal					180	
Hours Subject to QC					180	
Quality Assurance / Quality Control		LS	%	7%	13	
ENVIRONMENTAL DOCUMENT TOTAL HOURS					193	

4. ENG ANALYSIS & REP - Adams

Estimator: Nancy Adams (Adams Traffic)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing	Print Name	Signature / Date
Adams Traffic	Nancy Adams	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
NOTE: * subject to QC						
4.1	Review of Previous Studies	LS	1	0	0	
4.2	Existing Conditions Analysis					
	Data Collection	LS	1	0	0	
	Field Review	LS	1	0	0	
	4.2 Existing Conditions Analysis Total				0	
4.3	Survey					
	4.3.1 Survey Design *	LS	1	0	0	
	Survey Coordination	LS	1	0	0	
	4.3.2 Photogrammetry *	LS	1	0	0	
	Aerial Photography	LS	1	0	0	
	4.3 Survey Total				0	
4.4	Geotechnical Investigation					
	Soils	LS	1	0	0	
	Geotechnical Coordination	LS	1	0	0	
	Geotechnical Design Services *	LS	1	0	0	
	4.4 Geotechnical Investigation Total				0	
4.5	Traffic Analysis					
	4.5.1 Traffic Analysis Methodology *	LS	1	0	0	
	4.5.2 Traffic Counts *	LS	1	765	765	Thirty-seven (37) 6-hr TMCs and forty-four (44) 72-hr volume counts.
	4.5.3 Vehicle Class. Counts on Roadway Segments and Ramps *	LS	1	0	0	
	4.5.4 Pedestrian, Bicycle, and Other Multimodal Data *	LS	1	0	0	
	4.5.5 Calibration and Validation Data *	LS	1	0	0	
	4.5.6 Existing Traffic Operational Analysis *	LS	1	0	0	
	4.5.7 Model Calibration and Validation *	LS	1	0	0	
	4.5.8 Future Demand Forecasting *	LS	1	0	0	
	4.5.9 No-Build Analysis *	LS	1	0	0	
	4.5.10 Development and Screening of Alternatives *	LS	1	0	0	
	4.5.11 Operational Evaluation of Build Alternatives *	LS	1	0	0	
	4.5.12 Project Traffic Analysis Report *	LS	1	0	0	
	4.5.13 Interchange Access Request *	LS	1	0	0	
	4.5.14 Traffic Data for Noise Study *	EA	0	0	0	
	4.5.15 Traffic Data for Air Quality Analysis *	EA	0	0	0	
	4.5.16 Signalization Analysis *	LS	1	0	0	
	4.5 Traffic Analysis Total				765	

4. ENG ANALYSIS & REP - Adams

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.6	Signage *	LS	1	0	0	
4.7	Tolling Concepts *	LS	1	0	0	
4.8	Safety					
	4.8.1 Crash Data *	LS	1	0	0	
	4.8.2 Safety Analysis					
	Historical Crash Analysis *	LS	1	0	0	
	HSM Safety Analysis *	LS	1	0	0	
	4.8.3 Documentation of Safety Analysis *	LS	1	0	0	
	4.8 Safety Total			0		
4.9	Utilities and Railroads					
	4.9.1 Utilities *	EA	1	0	0	
	4.9.2 Railroad *	EA	1	0	0	
	4.9 Utilities and Railroads Total			0		
4.10	Roadway Analysis					
	4.10.1 Design Controls and Criteria *	LS	1	0	0	
	4.10.2 Typical Section Analysis *	EA	0	0	0	
	4.10.3 Geometric Design *	LS	1	0	0	
	4.10.4 Intersections and Interchange Evaluation *	EA	0	0	0	
	4.10.5 Access Management *	LS	1	0	0	
	4.10.6 Multimodal Accommodations *	LS	1	0	0	
	4.10.7 Maintenance of Traffic *	LS	1	0	0	
	4.10.8 Lighting *	LS	1	0	0	
	4.10 Roadway Total			0		
4.11	Identify Construction Segments *	LS	1	0	0	
4.12	Transportation Systems Management and Operations *	LS	1	0	0	
4.13	Structures					
	4.13.1 Existing Structures *	EA	0	0	0	
	4.13.2 Structure Typical Sections *	EA	0	0	0	
	4.13.3 Structure Design Alternatives *	EA	0	0	0	
	4.13 Structures Total			0		
4.14	Drainage					
	4.14.1 Floodplain and Environmental Permit Data Collection *	LS	1	0	0	
	4.14.2 Drainage Analysis *	Per Basin	0	0	0	
	4.14.3 Floodplain Compensation Analysis *	Per Encroach.	0	0	0	
	4.14.4 Stormwater Management Analysis					
	Enviro. Look Around (ELA) Meeting and Pond Siting Meeting	LS	1	0	0	
	Stormwater Management *	Per Basin	0	0	0	
	Pond Siting Report or Conceptual Drainage Design Report *	LS	1	0	0	
	4.14.5 Drainage Design *	LS	1	0	0	
	4.14.6 Location Hydraulic Report *	LS	1	0	0	
	4.14.7 Bridge Hydraulic Evaluation *	EA	0	0	0	
	4.14 Drainage Total			0		
4.15	Landscaping Analysis *	LS	1	0	0	

4. ENG ANALYSIS & REP - Adams

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.16	Construction and Right of Way Cost Estimates					
	4.16.1 Construction Cost Estimates *	LS	1	0	0	
	4.16.2 Right of Way Cost Estimates *	LS	1	0	0	
	4.16 Construction and Right of Way Cost Estimates Total			0	0	
4.17	Alternatives Evaluation					
	4.17.1 Comparative Alternatives Evaluation *	LS	1	0	0	
	4.17.2 Selection of Recommended Alternative *	LS	1	0	0	
	4.17.3 Value Engineering *	LS	1	0	0	
	4.17 Alternatives Evaluation Total			0	0	
4.18	Concept Plans					
	4.18.1 Base Map *	Sheet	1	0	0	
	4.18.2 Alternatives Concept Plans *	Sheet	0	0	0	
	4.18.3 Preferred Alternative *	Sheet	0	0	0	
	4.18.4 Typical Section Package *	LS	1	0	0	
	4.18.5 Design Exceptions and Design Variations *	EA	0	0	0	
	4.18 Concept Plans Total			0	0	
4.19	Transportation Management Plan *	LS	1	0	0	
4.20	Risk Management					
	Meeting Materials*	LS	1	0	0	
	Meeting Participation	LS	1	0	0	
	4.20 Risk Management Total			0	0	
4.21	Engineering Analysis Documentation					
	Draft Engineering Analysis Documentation*	LS	1	0	0	
	Final Engineering Analysis Documentation *	LS	1	0	0	
	4.21 Engineering Analysis Documentation Total			0	0	
4.22	Planning Consistency					
	4.22.1 Transportation Plans	LS	1	0	0	
	4.22.2 Planning Consistency Form *	LS	1	0	0	
	4.22 Planning Consistency Total			0	0	

4. ENG ANALYSIS & REP - Adams

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.23	Transit Systems and Service					
	4.23.1 Transit Concepts and Alternatives					
	Review of Transit Concepts and Alternatives Report (TCAR)	LS	1	0	0	
	Review of Bicycle/Greenway plans	LS	1	0	0	
	Develop Transit Concepts and Alternatives Report *	LS	1	0	0	
	4.23.2 Existing and Planned Transit Infrastructure and Services *	LS	1	0	0	
	4.23.3 Connectivity and Accessibility *	LS	1	0	0	
	4.23.4 Transit Operational Analysis *	LS	1	0	0	
	4.23.5 Ridership and Revenue Estimations					
	Ridership and Revenue Forecasts *	LS	1	0	0	
	Operating and Ridership Sensitivity Testing *	LS	1	0	0	
	Ridership and Revenue Results Documentation *	LS	1	0	0	
	4.23.6 Transit Cost Estimates and Financial Commitments *	LS	1	0	0	
	4.23.7 Proposed Transit Service and Operations Plan *	LS	1	0	0	
	4.23.8 Transit Infrastructure Alternatives *	LS	1	0	0	
	4.23.9 Constructability Review *	LS	1	0	0	
	4.23 Transit Systems, Service, and Design Total				0	
	Engineering Analysis and Report Subtotal				765	
	Hours Subject to QC				765	
	Quality Assurance / Quality Control	LS	%	0%	0	
ENGINEERING ANALYSIS AND REPORT TOTAL HOURS						765

4. ENG ANALYSIS & REP -Arehna

Estimator: Andy Tao (Arehna)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing	Print Name	Signature / Date
Arehna Engineering, Inc.	Andy Tao	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
NOTE: * subject to QC						
4.1	Review of Previous Studies	LS	1	0	0	
4.2	Existing Conditions Analysis					
	Data Collection	LS	1	0	0	
	Field Review	LS	1	0	0	
	4.2 Existing Conditions Analysis Total				0	
4.3	Survey					
	4.3.1 Survey Design *	LS	1	0	0	
	Survey Coordination	LS	1	0	0	
	4.3.2 Photogrammetry *	LS	1	0	0	
	Aerial Photography	LS	1	0	0	
	4.3 Survey Total				0	
4.4	Geotechnical Investigation					
	Soils	LS	1	152	152	
	Geotechnical Coordination	LS	1	143	143	
	Geotechnical Design Services *	LS	1	527	527	
	4.4 Geotechnical Investigation Total				822	
4.5	Traffic Analysis					
	4.5.1 Traffic Analysis Methodology *	LS	1	0	0	
	4.5.2 Traffic Counts *	LS	1	0	0	
	4.5.3 Vehicle Class Counts on Roadway Segments and Ramps *	LS	1	0	0	
	4.5.4 Pedestrian, Bicycle, and Other Multimodal Data *	LS	1	0	0	
	4.5.5 Calibration and Validation Data *	LS	1	0	0	
	4.5.6 Existing Traffic Operational Analysis *	LS	1	0	0	
	4.5.7 Model Calibration and Validation *	LS	1	0	0	
	4.5.8 Future Demand Forecasting *	LS	1	0	0	
	4.5.9 No-Build Analysis *	LS	1	0	0	
	4.5.10 Development and Screening of Alternatives *	LS	1	0	0	
	4.5.11 Operational Evaluation of Build Alternatives *	LS	1	0	0	
	4.5.12 Project Traffic Analysis Report *	LS	1	0	0	
	4.5.13 Interchange Access Request *	LS	1	0	0	
	4.5.14 Traffic Data for Noise Study *	EA	0	0	0	
	4.5.15 Traffic Data for Air Quality Analysis *	EA	0	0	0	
	4.5.16 Signalization Analysis *	LS	1	0	0	
	4.5 Traffic Analysis Total				0	

4. ENG ANALYSIS & REP -Arehna

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.6	Signage *	LS	1	0	0	
4.7	Tolling Concepts *	LS	1	0	0	
4.8	Safety					
	4.8.1 Crash Data *	LS	1	0	0	
	4.8.2 Safety Analysis					
	Historical Crash Analysis *	LS	1	0	0	
	HSW Safety Analysis *	LS	1	0	0	
	4.8.3 Documentation of Safety Analysis *	LS	1	0	0	
			4.8 Safety Total	0		
4.9	Utilities and Railroads					
	4.9.1 Utilities *	EA	1	0	0	
	4.9.2 Railroad *	EA	1	0	0	
			4.9 Utilities and Railroads Total	0		
4.10	Roadway Analysis					
	4.10.1 Design Controls and Criteria *	LS	1	0	0	
	4.10.2 Typical Section Analysis *	EA	0	0	0	
	4.10.3 Geometric Design	LS	1	0	0	
	4.10.4 Intersections and Interchange Evaluation *	EA	0	0	0	
	4.10.5 Access Management *	LS	1	0	0	
	4.10.6 Multimodal Accommodations *	LS	1	0	0	
	4.10.7 Maintenance of Traffic *	LS	1	0	0	
	4.10.8 Lighting *	LS	1	0	0	
			4.10 Roadway Total	0		
4.11	Identify Construction Segments *	LS	1	0	0	
4.12	Transportation Systems Management and Operations *	LS	1	0	0	
4.13	Structures					
	4.13.1 Existing Structures *	EA	0	0	0	
	4.13.2 Structure Typical Sections *	EA	0	0	0	
	4.13.3 Structure Design Alternatives *	EA	0	0	0	
			4.13 Structures Total	0		
4.14	Drainage					
	4.14.1 Floodplain and Environmental Permit Data Collection *	LS	1	0	0	
	4.14.2 Drainage Analysis *	Per Basin	0	0	0	
	4.14.3 Floodplain Compensation Analysis *	Per Eriocash	0	0	0	
	4.14.4 Stormwater Management Analysis					
	Enviro. Look Around (ELA) Meeting and Pond Siting Meeting	LS	1	0	0	
	Stormwater Management *	Per Basin	0	0	0	
	Pond Siting Report or Conceptual Drainage Design Report *	LS	1	0	0	
	4.14.5 Drainage Design *	LS	1	0	0	
	4.14.6 Location Hydraulic Report *	LS	1	0	0	
	4.14.7 Bridge Hydraulic Evaluation *	EA	0	0	0	
			4.14 Drainage Total	0		
4.15	Landscaping Analysis *	LS	1	0	0	

4. ENG ANALYSIS & REP -Arehna

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.16	Construction and Right of Way Cost Estimates					
	4.16.1 Construction Cost Estimates *	LS	1	0	0	
	4.16.2 Right of Way Cost Estimates *	LS	1	0	0	
	4.16 Construction and Right of Way Cost Estimates Total			0	0	
4.17	Alternatives Evaluation					
	4.17.1 Comparative Alternatives Evaluation *	LS	1	0	0	
	4.17.2 Selection of Recommended Alternative *	LS	1	0	0	
	4.17.3 Value Engineering *	LS	1	0	0	
	4.17 Alternatives Evaluation Total			0	0	
4.18	Concept Plans					
	4.18.1 Base Map *	Sheet	1	0	0	
	4.18.2 Alternatives Concept Plans *	Sheet	0	0	0	
	4.18.3 Preferred Alternative *	Sheet	0	0	0	
	4.18.4 Typical Section Package *	LS	1	0	0	
	4.18.5 Design Exceptions and Design Variations *	EA	0	0	0	
	4.18 Concept Plans Total			0	0	
4.19	Transportation Management Plan *	LS	1	0	0	
4.20	Risk Management					
	Meeting Materials*	LS	1	0	0	
	Meeting Participation	LS	1	0	0	
	4.20 Risk Management Total			0	0	
4.21	Engineering Analysis Documentation					
	Draft Engineering Analysis Documentation*	LS	1	0	0	
	Final Engineering Analysis Documentation *	LS	1	0	0	
	4.21 Engineering Analysis Documentation Total			0	0	
4.22	Planning Consistency					
	4.22.1 Transportation Plans	LS	1	0	0	
	4.22.2 Planning Consistency Form *	LS	1	0	0	
	4.22 Planning Consistency Total			0	0	
4.23	Transit Systems and Service					
	4.23.1 Transit Concepts and Alternatives					
	Review of Transit Concepts and Alternatives Report (TCAR)	LS	1	0	0	
	Review of Bicycle/Greenway plans	LS	1	0	0	
	Develop Transit Concepts and Alternatives Report *	LS	1	0	0	
	4.23.2 Existing and Planned Transit Infrastructure and Services *	LS	1	0	0	
	4.23.3 Connectivity and Accessibility *	LS	1	0	0	
	4.23.4 Transit Operational Analysis *	LS	1	0	0	
	4.23.5 Ridership and Revenue Estimations					
	Ridership and Revenue Forecasts *	LS	1	0	0	
	Operating and Ridership Sensitivity Testing *	LS	1	0	0	
	Ridership and Revenue Results Documentation *	LS	1	0	0	
	4.23.6 Transit Cost Estimates and Financial Commitments *	LS	1	0	0	
	4.23.7 Proposed Transit Service and Operations Plan *	LS	1	0	0	
	4.23.8 Transit Infrastructure Alternatives *	LS	1	0	0	
	4.23.9 Constructability Review *	LS	1	0	0	
	4.23 Transit Systems, Service, and Design Total			0	0	
	Engineering Analysis and Report Subtotal			822	822	
	Hours Subject to QC			527	527	
	Quality Assurance / Quality Control	LS	%	0%	0	
	ENGINEERING ANALYSIS AND REPORT TOTAL HOURS			822	822	

4. ENG ANALYSIS & REP - Harbor

Estimator: Jeanna Dean (Harbor)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing	Print Name	Signature / Date
Harbor Coordinating Services	Jeanna Dean	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
NOTE: * subject to QC						
4.1	Review of Previous Studies	LS	1	0	0	
4.2	Existing Conditions Analysis					
	Data Collection	LS	1	0	0	
	Field Review	LS	1	0	0	
	4.2 Existing Conditions Analysis Total				0	
4.3	Survey					
	4.3.1 Survey Design *	LS	1	0	0	
	Survey Coordination	LS	1	0	0	
	4.3.2 Photogrammetry *	LS	1	0	0	
	Aerial Photography	LS	1	0	0	
	4.3 Survey Total				0	
4.4	Geotechnical Investigation					
	Soils	LS	1	0	0	
	Geotechnical Coordination	LS	1	0	0	
	Geotechnical Design Services *	LS	1	0	0	
	4.4 Geotechnical Investigation Total				0	
4.5	Traffic Analysis					
	4.5.1 Traffic Analysis Methodology *	LS	1	0	0	
	4.5.2 Traffic Counts *	LS	1	0	0	
	4.5.3 Vehicle Class Counts on Roadway Segments and Ramps *	LS	1	0	0	
	4.5.4 Pedestrian, Bicycle, and Other Multimodal Data *	LS	1	0	0	
	4.5.5 Calibration and Validation Data *	LS	1	0	0	
	4.5.6 Existing Traffic Operational Analysis *	LS	1	0	0	
	4.5.7 Model Calibration and Validation *	LS	1	0	0	
	4.5.8 Future Demand Forecasting *	LS	1	0	0	
	4.5.9 No-Build Analysis *	LS	1	0	0	
	4.5.10 Development and Screening of Alternatives *	LS	1	0	0	
	4.5.11 Operational Evaluation of Build Alternatives *	LS	1	0	0	
	4.5.12 Project Traffic Analysis Report *	LS	1	0	0	
	4.5.13 Interchange Access Request *	LS	1	0	0	
	4.5.14 Traffic Data for Noise Study *	EA	0	0	0	
	4.5.15 Traffic Data for Air Quality Analysis *	EA	0	0	0	
	4.5.16 Signalization Analysis *	LS	1	0	0	
	4.5 Traffic Analysis Total				0	

4. ENG ANALYSIS & REP - Harbor

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.6	Signage *	LS	1	0	0	
4.7	Tolling Concepts *	LS	1	0	0	
4.8	Safety					
	4.8.1 Crash Data *	LS	1	0	0	
	4.8.2 Safety Analysis					
	Historical Crash Analysis *	LS	1	0	0	
	HSW Safety Analysis *	LS	1	0	0	
	4.8.3 Documentation of Safety Analysis *	LS	1	0	0	
				4.8 Safety Total	0	
4.9	Utilities and Railroads					
	4.9.1 Utilities *	EA	1	208	208	List of UAOs based on design ticket: Spectrum, City of Civ. Utilities, Civ. gas, Duke Fiber, Duke T, FGT, Frontier, WOW, Level 3CenturyLink, MCInvz, Pinellas Co Utilities, TECO, Unitl, Zayo (15 UAOs)
	4.9.2 Railroad *	EA	1	0	0	1 submittal to UAOs: X 1 hrs ea = 1st + 1 hr per UAO for spurring + 3 hrs per (5 UAOs) individual meetings for FGT, City of Clearwater Utilities, Pinellas Co Utilities, Frontier, EOR = 15 + 9 hrs QC of report
				4.9 Utilities and Railroads Total	208	
4.10	Roadway Analysis					
	4.10.1 Design Controls and Criteria *	LS	1	0	0	
	4.10.2 Typical Section Analysis *	EA	0	0	0	
	4.10.3 Geometric Design *	LS	1	0	0	
	4.10.4 Intersections and Interchange Evaluation *	EA	0	0	0	
	4.10.5 Access Management *	LS	1	0	0	
	4.10.6 Multimodal Accommodations *	LS	1	0	0	
	4.10.7 Maintenance of Traffic *	LS	1	0	0	
	4.10.8 Lighting *	LS	1	0	0	
				4.10 Roadway Total	0	
4.11	Identify Construction Segments *	LS	1	0	0	
4.12	Transportation Systems Management and Operations *	LS	1	0	0	
4.13	Structures					
	4.13.1 Existing Structures *	EA	0	0	0	
	4.13.2 Structure Typical Sections *	EA	0	0	0	
	4.13.3 Structure Design Alternatives *	EA	0	0	0	
				4.13 Structures Total	0	
4.14	Drainage					
	4.14.1 Floodplain and Environmental Permit Data Collection *	LS	1	0	0	
	4.14.2 Drainage Analysis *	Per Basin	0	0	0	
	4.14.3 Floodplain Compensation Analysis *	Per Encroach.	0	0	0	
	4.14.4 Stormwater Management Analysis					
	Enviro. Look Around (ELA) Meeting and Prod Siting Meeting	LS	1	0	0	
	Stormwater Management *	Per Basin	0	0	0	
	Pond Siting Report or Conceptual Drainage Design Report *	LS	1	0	0	
	4.14.5 Drainage Design *	LS	1	0	0	
	4.14.6 Location Hydraulic Report *	LS	1	0	0	
	4.14.7 Bridge Hydraulic Evaluation *	EA	0	0	0	
				4.14 Drainage Total	0	

4. ENG ANALYSIS & REP - Harbor

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
4.15	Landscaping Analysis *	LS	1	0	0	
4.16	Construction and Right of Way Cost Estimates					
	4.16.1 Construction Cost Estimates *	LS	1	0	0	
	4.16.2 Right of Way Cost Estimates *	LS	1	0	0	
	4.16 Construction and Right of Way Cost Estimates Total			0	0	
4.17	Alternatives Evaluation					
	4.17.1 Comparative Alternatives Evaluation *	LS	1	0	0	
	4.17.2 Selection of Recommended Alternative *	LS	1	0	0	
	4.17.3 Value Engineering *	LS	1	0	0	
	4.17 Alternatives Evaluation Total			0	0	
4.18	Concept Plans					
	4.18.1 Base Map *	Sheet	1	0	0	
	4.18.2 Alternatives Concept Plans *	Sheet	0	0	0	
	4.18.3 Preferred Alternative *	Sheet	0	0	0	
	4.18.4 Typical Section Package *	LS	1	0	0	
	4.18.5 Design Exceptions and Design Variations *	EA	0	0	0	
	4.18 Concept Plans Total		4.18 Concept Plans Total	0	0	
4.19	Transportation Management Plan *	LS	1	0	0	
4.20	Risk Management					
	Meeting Materials*	LS	1	0	0	
	Meeting Participation	LS	1	0	0	
	4.20 Risk Management Total			0	0	
4.21	Engineering Analysis Documentation					
	Draft Engineering Analysis Documentation*	LS	1	0	0	
	Final Engineering Analysis Documentation *	LS	1	0	0	
	4.21 Engineering Analysis Documentation Total			0	0	
4.22	Planning Consistency					
	4.22.1 Transportation Plans	LS	1	0	0	
	4.22.2 Planning Consistency Form *	LS	1	0	0	
	4.22 Planning Consistency Total			0	0	
4.23	Transit Systems and Service					
	4.23.1 Transit Concepts and Alternatives					
	Review of Transit Concepts and Alternatives Report (TCAR)	LS	1	0	0	
	Review of Bicycle/Greenway plans	LS	1	0	0	
	Develop Transit Concepts and Alternatives Report *	LS	1	0	0	
	4.23.2 Existing and Planned Transit Infrastructure and Services *	LS	1	0	0	
	4.23.3 Connectivity and Accessibility *	LS	1	0	0	
	4.23.4 Transit Operational Analysis *	LS	1	0	0	
	4.23.5 Ridership and Revenue Estimations					
	Ridership and Revenue Forecasts *	LS	1	0	0	
	Operating and Ridership Sensitivity Testing *	LS	1	0	0	
	Ridership and Revenue Results Documentation *	LS	1	0	0	
	4.23.6 Transit Cost Estimates and Financial Commitments *	LS	1	0	0	
	4.23.7 Proposed Transit Service and Operations Plan *	LS	1	0	0	
	4.23.8 Transit Infrastructure Alternatives *	LS	1	0	0	
	4.23.9 Constructability Review *	LS	1	0	0	
	4.23 Transit Systems, Service, and Design Total			0	0	
	Engineering Analysis and Report Subtotal			208	208	
	Hours Subject to QC			208	208	
	Quality Assurance / Quality Control	LS	%	0%	0	
	ENGINEERING ANALYSIS AND REPORT TOTAL HOURS			208	208	

5. ENVIRON. ANALYSIS & - SEARCH

Estimator: Tim Parsons (SEARCH)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing	Print Name	Signature / Date
SEARCH	Tim Parsons	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
NOTE: * subject to QC						
5.1	Sociocultural Effects					
	5.1 Sociocultural Effects Evaluation or Report *	LS	0	0	0	
	5.1.1 Social *	LS	0	0	0	
	5.1.2 Economic *	LS	0	0	0	
	5.1.3 Land Use Changes *	LS	0	0	0	
	5.1.4 Mobility *	LS	0	0	0	
	Transit Only *	LS	0	0	0	
	5.1.5 Aesthetics *	LS	0	0	0	
	5.1.6 Relocation Potential					
	Review and Impact Determination *	LS	0	0	0	
	Conceptual Stage Relocation Plan (CSRP) *	LS	0	0	0	
	5.1 Sociocultural Effects Total				0	

5. ENVIRON. ANALYSIS & - SEARCH

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
5.2	Cultural Resources					
	Research Design and Survey Methodology *	LS	0	0	0	Included in CRAS
	5.2.1 Archaeological and Historic Resources					
						CRAS of East Lake Rd (CR 611) from S of Curlew Rd to N of Trinity Blvd (~9.3 mi). Deliverable #1: Archaeological survey limited to pedestrian walkover; no testing possible. Archaeology and Architectural History surveys will be conducted concurrently and include documentation of up to 5 historic buildings and 2 resource groups. 2 days for 2 people, including travel (40 hours).
	Cultural Resource Assessment Survey (CRAS) (corridor)*	LS	1	236	236	Preparation of health & safety plan (2 hours), background research (16 hours), preparation of report text (100 hours), field and report graphics (40 hours), technical editing (8 hours), report formatting and production (16 hours), clerical/logistics support (6 hours), project administration (progress reports, team teleconferences) (2 hours). Also includes agency coordination re: any identified NRHP eligible resources (e.g. meetings with FDOT staff to discuss approach and process (4 hours)). Includes sending the CRAS to SHPO and addressing minor comments, if any (2 hours). Assumptions: No artifacts, lab analysis, or curation. Survey will not require access to private parcels. Electronic draft report to client, hard copy final report to SHPO upon client approval.
	Ponds Desktop Assessment	LS	1	70	70	Ponds desktop assessment for 18 basins. 3 alternatives each basin (54 ponds) and 12 floodplain compensation (FPC) areas = 66 pond locations included in desktop. GIS (20 hours) Analysis and reporting (40 hours) Technical editing and production (10 hours)
	CRAS (ponds)	LS	1	189	189	Archaeology and Architectural History surveys will be conducted for up to 18 preferred pond sites and 12 FPC areas (30 total pond sites, up to 60 ac and 50 shovel tests). Up to 5 architectural history resources, architectural history survey completed concurrently with archaeological survey. Estimate 8 ponds/FPCs per day for archaeological testing = 6 days for 2 archaeologists (including travel). (100 hours) A Draft and Final CRAS Addendum will be prepared with the results of the ponds desktop assessment (66 pond locations) and the surveys for the preferred sites (30 sites). (80 hours for report completion and production + 9 hours for logistics and administrative support) Assumptions: No artifacts, lab analysis, or curation. Parcel access will be coordinated by client prior to fieldwork. Local crew (within 1 hr drive) will be available for fieldwork.
	Determination of Eligibility (DOE) As Required	LS	0	0	0	
	Case Study Report *	LS	0	0	0	
	Memorandum of Agreement (MOA) *	LS	0	0	0	
	Section 4(f) Evaluation for Historic Resources *	LS	0	0	0	
	Section 106 Consultation Meetings	LS	0	0	0	
	Native American Coordination Meeting	LS	0	0	0	
	Section 106 Public Involvement	LS	0	0	0	
	Florida Master Site File Form *	LS	14	1	14	Up to 7 FMSF resource forms (corridor CRAS) + 5 resource forms (ponds CRAS) + 2 survey logs = 14 total FMSF forms
	5.2.2 Recreational, Section 4(f) *					
	Section 4(f) Determination of Applicability *	EA	0	0	0	
	Section 4(f) "de minimis" documentation *	EA	0	0	0	
	Section 4(f) Evaluation *	EA	0	0	0	
			5.2 Cultural Resources Total		509	

5. ENVIRON. ANALYSIS & - SEARCH

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
5.3	Natural Resources					
	5.3.1 Wetlands					
	Wetlands - Data Collection	LS	0	0	0	
	Wetlands - Evaluation *	LS	0	0	0	
	5.3.2 Essential Fish Habitat					
	Essential Fish Habitat - Data Collection	LS	0	0	0	
	Essential Fish Habitat Assessment *	LS	0	0	0	
	5.3.3 Wildlife and Habitat					
	Data Collection	LS	0	0	0	
	Specific Survey and Consultation	LS	0	0	0	
	Analysis *	LS	0	0	0	
	Conservation Measures and Mitigation Plan *	LS	0	0	0	
	5.3.4 Natural Resource Evaluation (NRE) Report *	LS	0	0	0	
	5.3.5 Water Quality *	LS	0	0	0	
	5.3.6 Special Designations *	LS	0	0	0	
	5.3.7 Identify Permit Needs *	LS	0	0	0	
	5.3.8 Farmland *	LS	0	0	0	
		5.3 Natural Resources Total			0	
5.4	Physical Effects					
	5.4.1 Noise					
	Methodology Meeting	LS	0	0	0	
	Data Collection	LS	0	0	0	
	Land Use Field Review/Outdoor Advertising Identification	LS	0	0	0	
	Field Measurement and Model Validation *	LS	0	0	0	
	Outdoor Advertising Identification	LS	0	0	0	
	Construction Noise and Vibration Assessment *	LS	0	0	0	
	Analysis and Noise Abatement Evaluation *	EA	0	0	0	
	Noise Report *	LS	0	0	0	
	5.4.2 Transit Noise and Vibration Analysis *	LS	0	0	0	
	5.4.3 Air Quality					
	Data Collection	LS	0	0	0	
	Screening Analysis *	LS	0	0	0	
	Air Quality Modeling *	LS	0	0	0	
	Air Quality Technical Memorandum *	LS	0	0	0	
	Mobile Air Toxics Analysis *	LS	0	0	0	
	5.4.4 Construction Impact Analysis *	LS	0	0	0	
	5.4.5 Contamination					
	Field Data	LS	1	0	0	
	Analysis and Report *	LS	1	0	0	
		5.4 Physical Effects Total			0	
5.5	Cumulative Effects Evaluation *	EA	0	0	0	
5.6	Project Commitments Record *	LS	0	0	0	
	Environmental Analysis and Report Subtotal				509	
	Hours Subject to QC				320	
	Quality Assurance / Quality Control	LS	%	0%	0	
	ENVIRONMENTAL ANALYSIS AND REPORT TOTAL HOURS				509	

3. PUBLIC INVOLV- Valerin

Estimator: Valerie Ciudad-Real/Catherine Winter (Valerin)

East Lake Rd. from S. of Curlew Rd. to N. of Trinity Blvd.
PID 003879A

Representing	Print Name	Signature / Date
The Valerin Group, Inc.	Valerie Ciudad-Real	
		Submitted: June 20, 2024

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
NOTE: * subject to QC						
3.1	Public Involvement					
	3.1.1 Public Involvement Plan *	LS	1	0	20	
	Public Involvement Plan*	LS	1	20	20	Assist with developing PIP including elected/appointed officials list and plans for meeting logistics.
	Project Plan *	LS	1	0	0	
	Web Site Development *	LS	1	0	0	
	Web Site Content Updates *	LS	1	0	0	
	3.1.2 Public Involvement Data Collection (incl. site selection)	LS	1	260	260	Meeting site selection including venue research, site evaluation checklist, site visit, room layout, and rental logistics: (20 hours) Initial clean up of mailing list and 3 updates. Estimate: 30,000 property owners (60 hrs for cleanup x 4) Note
3.1 Public Involvement Total					280	
3.2	Scheduled Public Meetings					
	Project Kickoff Meeting					
	Development of Meeting Materials*	LS	1	0	0	
	Agenda *	LS	1	0	0	
	Presentation*	LS	1	0	0	
	Project Handouts *	LS	1	0	0	
	Exhibits *	LS	1	0	0	
	Notification Letters *	LS	1	0	0	
	Press Release/Meeting Announcements *	LS	1	0	0	
	Staff Briefing *	LS	1	0	0	
	Participation and Notes	LS	1	0	0	
	Participation	LS	1	0	0	
	Notes	LS	1	0	0	

3. PUBLIC INVOLV- Valerin

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
Presentation to Local MPOs and Associated Technical and Citizen Committees						
	Development of Meeting Materials *	LS	1	0	0	
	Presentation *	LS	1	0	0	
	Project Handouts *	LS	1	0	0	
	Exhibits *	LS	1	0	0	
	Participation and notes	LS	1	0	0	
	Participation	LS	1	0	0	
	Notes	LS	1	0	0	
Coordination Meetings with Key Agencies						
	Development or Updates of Meeting Materials *	LS	1	0	0	
	Presentation *	LS	1	0	0	
	Project Handouts *	LS	1	0	0	
	Exhibits *	LS	1	0	0	
	Participation and notes	LS	1	0	0	
	Participation	LS	1	0	0	
	Notes	LS	1	0	0	
Corridor Workshop(s) or Public Information Meeting(s)						
	Development of Meeting Materials *	LS	1	0	0	
	Agenda *	LS	1	0	0	
	Presentation *	LS	1	0	0	
	Project Handouts *	LS	1	0	0	
	Exhibits *	LS	1	0	0	
	Notification Letters *	LS	1	0	0	
	Press Release/Meeting Announcements *	LS	1	0	0	
	Project Summaries *	LS	1	0	0	
	Response letters *	LS	1	0	0	
	Staff Briefing *	LS	1	0	0	
	Participation and Notes	LS	1	0	0	
	Participation	LS	1	0	0	
	Notes	LS	1	0	0	
Alternatives Public Information Meeting(s)						
	Development of Meeting Materials *	LS	1	62	62	1 workshop - two sessions (online) and in-person, two times
	Agenda *	LS	1	8	8	Support Prime with presentation outline and meeting plan
	Presentation *	LS	1	0	0	
	Project Handouts *	LS	1	0	0	
	Exhibits *	LS	1	12	12	Development of meeting agenda, title to poster, map, computer screen, and informational cards, coordinating with outside and click-up of boards from outside. JBina responsible for development and creation of all other boards.
	Notification Letters *	LS	1	0	0	Preparation of press release, newspaper, and PAK ads. Includes coordination with newspaper and posting on PAK website.
	Press Release/Meeting Announcements *	LS	1	10	10	Preparation of the APIM Summary following the public meeting
	Project Summaries *	LS	1	16	16	
	Response letters *	LS	1	0	0	
	Staff Briefing *	LS	1	16	16	Attendance at 3 prep meetings and 1 post hearing briefing (2 staff x 4 briefings @ 2 hour)
	Participation and Notes	LS	1	48	48	Virtual meeting participation to start a summary and prepare for meeting participation (start a 7 hours (7 hours travel x 3.5 hours x 2 boards x 4 breakdown)
	Participation	LS	1	48	48	
	Notes	LS	1	0	0	*See Project Summaries above
Additional Coordination and Consensus Building Meeting(s)						
	Development of Meeting Materials *	LS	1	0	0	
	Meeting preparation *	LS	1	0	0	
	Create or Update Presentation *	LS	1	0	0	
	Participation and Notes	LS	1	0	0	
	Participation	LS	1	0	0	
	Notes	LS	1	0	0	

3. PUBLIC INVOLV- Valerin

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
Community / Stakeholder Forum(s)						
	Development of Meeting Materials*					
	Agenda *	LS	1	0	0	
	Presentation *	LS	1	0	0	
	Project Handouts *	LS	1	0	0	
	Exhibits *	LS	1	0	0	
	Notification Letters *	LS	1	0	0	
	Press Release/Meeting Announcements *	LS	1	0	0	
	Project Summaries *	LS	1	0	0	
	Response letters *	LS	1	0	0	
	Staff Briefing *	LS	1	0	0	
	Participation and Notes	LS	1	0	0	
	Notes	LS	1	0	0	
Environmental Forum(s)						
	Development of Meeting Materials*					
	Agenda *	LS	1	0	0	
	Presentation *	LS	1	0	0	
	Project Handouts *	LS	1	0	0	
	Exhibits *	LS	1	0	0	
	Notification Letters *	LS	1	0	0	
	Press Release/Meeting Announcements *	LS	1	0	0	
	Project Summaries *	LS	1	0	0	
	Response letters *	LS	1	0	0	
	Staff Briefing *	LS	1	0	0	
	Participation and Notes	LS	1	0	0	
	Notes	LS	1	0	0	
Other Public and Agency Meetings (Specify) or informal meetings						
	Development of Meeting Materials *					
	Presentation *	LS	1	0	0	
	Project Handouts *	LS	1	0	0	
	Exhibits *	LS	1	0	0	
	Participation and notes	LS	1	0	0	
	Participation	LS	1	0	0	
	Notes	LS	1	0	0	
3.2 Scheduled Public Meetings Total					110	

3. PUBLIC INVOLV- Valerin

Task No.	Task	Units	# of Units	Hours / Unit	Hours	Comments
3.3	Public Hearing					
	Public Hearing Materials					
	Public Officials and Regulatory Agency Letters *	LS	1	66	66	1 public hearing
	Property Owner Letters *	LS	1	0	0	
	Public Hearing Notices and publication in the FAR *	LS	1	0	0	
	Notification on the Department's Public Notice webpages through the District PIO *	LS	1	2	2	Preparation of FAR ad. Includes posting on FAR website.
	Identify website(s) and/or locations for document public availability *	LS	1	12	12	Includes research, coordination with locations, and drop-off/pick-up of documents
	Presentation with Script *	LS	1	0	0	
	Proposed typical sections and aerials *	LS	1	0	0	
	Hard copies of technical reports and Environmental Documents	LS	1	0	0	
	Meeting Location Signs *	LS	1	2	2	Development of signs and coord. w/ printer.
	Brochures or handouts *	LS	1	0	0	
	Title VI compliance signs *	LS	1	2	2	Preparation of Title VI board on foamboard; coord. w/ printer
	NEPA Assignment compliance signs *	LS	1	2	2	Development of NEPA Assignment compliance signs on foamboard; coord. w/ printer
	Security	LS	1	0	0	
	Advertisements *	LS	1	2	2	Preparation of newspaper ad. Includes coordination with newspaper.
	Press Releases *	LS	1	2	2	Preparation of press release.
	Meeting Site Selection	LS	1	8	8	Includes all logistics and technology related to simulcast of Public Hearing
	Written Responses to Comments *	LS	1	0	0	
	Transcript, errata sheet and certification *	LS	1	16	16	Includes review of transcript and development of Public Hearing Scrapbook
	Arrange for Court Reporter	LS	1	2	2	Research and coordination with court reporter
	Staff Briefing *	LS	1	16	16	Attendance at 3 prep meetings and 1 post hearing briefing (2 staff x 4 briefings @ 2 hour)
	Participation and Notes	LS	1	52	52	Virtual hearing participation (2 staff x 2 hours) and in-person meeting participation (2 staff x 7 hours (1 x 2 hour travel & 5 hours & 2 hours & 1 breakfast)
	Participation	LS	1	52	52	
			3.3 Public Hearing Total		118	
3.4	Comments and Coordination Report *	LS	1	50	50	Preparation of Comments and Coordination Report
3.5	Notification of Approved Environmental Document *	LS	1	1	1	Coordination with newspaper.
3.6	Additional Public Involvement Requirements					
	General Public Correspondence *	LS	1	0	0	
	News Letters, Fact Sheets, Preparation / Distribution *	LS	1	0	0	
	Frequently Asked Questions (FAQs) *	LS	1	0	0	
	Videos, Renderings, Fly-through, 3-D Visualization *	LS	1	0	0	
	Design Charrettes *	LS	1	0	0	
	Other *	LS	1	0	0	
			3.6 Additional Public Involvement Requirements Total		0	
			Public Involvement Subtotal		559	
			Hours Subject to QC		189	
			%		5%	
	Quality Assurance / Quality Control	LS			9	
			PUBLIC INVOLVEMENT TOTAL HOURS		568	

DETAILED GEOTECHNICAL ESTIMATE - AREHNA

Revised August 26, 2024

Marlin Register, PE
HDR Inc.
4830 W. Kennedy Blvd. Suite 400
Tampa, FL 33609-2548

Via Email: marlin.register@hdrinc.com

Subject: Revised Proposal for Geotechnical Engineering Services
Project Development and Environment (PD&E) Study
East Lake Road from Curlew Road to North of Trinity Boulevard
Pinellas County, Florida
AREHNA B.Prop-24-124.REV

AREHNA Engineering, Inc. is pleased to present this proposal to provide geotechnical engineering services for the referenced project. This proposal summarizes our understanding of the project, presents our scope of services, and provides a proposed scope, fee and schedule.

Project Description

The project site is located along East Lake Road from Curlew Road to North of Trinity Boulevard in Pinellas County, Florida. The PD&E study will evaluate alternatives for capacity and safety improvements which include new turn lanes, innovative intersections, pavement improvements, and drainage improvements. Proposed bridge locations at McMullen Booth Road, Keystone Road, and Trinity Boulevard are included in this study.

Based on recent aerial images, the site appears to be accessible to AREHNA's truck mounted drilling rig. Pond locations have not yet been determined. This proposal assumes that no clearing and specialty drilling equipment will be required to access the proposed boring locations. If clearing is required, these services will have to be preapproved by the County before any of these services are undertaken. We have assumed all work will be performed during the day and maintenance of traffic (MOT) will only be required for the pavement cores and bridge boring locations.

Scope of Services

The purpose of our geotechnical study is to obtain information on the general subsurface soil conditions at the project site. The subsurface materials encountered will then be evaluated with respect to the available project characteristics. In this regard, engineering assessments for the following items will be formulated:

- Identification of the existing groundwater levels and estimated normal seasonal high groundwater fluctuations.
- General location and description of potentially deleterious materials encountered in the borings which may have an impact on the proposed construction.
- Existing pavement and base layer thicknesses.
- Preliminary bridge capacity charts, alternative analysis and calculations.
- Pond recommendations and soil parameters.

East Lake Road PD&E
Pinellas County, Florida

AREHNA Proposal B.Prop-24-124.REV
August 26, 2024

- General recommendations for the proposed construction.

The following services will be performed:

- Site reconnaissance and stake boring locations.
- Request utility location services from Sunshine811.
- Obtain Pinellas County ROW/MOT permits to perform the requested services within the existing roadway, if required.
- Provide Maintenance of Traffic in accordance with Florida Department of Transportation (FDOT) Standard Indices, as needed.
- Perform 66 Standard Penetration Test (SPT) borings to a depth of 20 feet below existing grades at existing and proposed pond/basin locations (including 54 alternate pond locations and 12 FPC sites). For any existing ponds, borings will be completed at nearest accessible locations on land. Samples will be collected, and Standard Penetration Test resistances measured continuously for the top ten feet and at approximate intervals of five feet, thereafter.
- Perform four Standard Penetration Test (SPT) borings to a depth of 100 feet below existing grades at the proposed bridges. Samples will be collected, and Standard Penetration Test resistances measured continuously for the top 16 feet and at approximate intervals of 2.5 feet, thereafter.
- Perform 169 seasonal high hand auger borings extending to an approximate depth of 6 feet below existing ground surface or auger refusal.
 - 21 hand auger borings will be performed to determine the SHWT (2 borings/mile) and verify the organics in areas with soil map unit 27 (1 hand auger boring).
 - 16 hand auger borings will be performed at 16 intersections for proposed innovative intersections.
 - 132 hand auger borings will be performed at the pond alternative sites and 12 FPC Sites.
- Perform 10 pavement cores (1 boring/mile) with hand auger borings to a depth of approximately 6 feet or auger refusal within existing pavement section to evaluate the existing pavement section and subgrade conditions along the alignment.
- Dynamic Cone Penetrometer (DCP) will be performed at each pavement core location to evaluate relative soil density beneath the pavement section. The hand auger borings will be backfilled with soil cutting and the roadway will be patched with asphalt cold patch.
- Visually classify and stratify soil samples in the laboratory and conduct a laboratory testing program as needed to verify soil classifications.
- Report the results of the field exploration and engineering analysis. The results of the subsurface exploration will be presented in a written report signed and sealed by a professional engineer specializing in geotechnical engineering.

Schedule

We can perform the fieldwork within approximately four to five weeks from receiving the notice to proceed. During this time, any permits will be obtained, the boring locations will be staked/marked and a utility locates request will be submitted to Sunshine811. The fieldwork should require approximately two months to complete, weather and access permitting. Our signed and sealed report should be available approximately five weeks after completion of the fieldwork.



East Lake Road PD&E
Pinellas County, Florida

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August 26, 2024

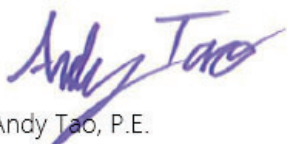
Service Fee

We propose to complete our geotechnical engineering services for a not to exceed fee of \$203,896.07 per the attached staff hour and fee estimate based on our contract rates. If clearing of paths is required, an extra fee of \$2,400/day for clearing services will be needed that is not included in this proposal.

Please note that samples will be retained for 90 days after the date of the report and then disposed, unless other arrangements have been made.

We appreciate the opportunity to support you on this project. If you have any questions regarding this proposal, please do not hesitate to contact us at 813.944.3464.

Sincerely,
AREHNA Engineering, Inc.



Andy Tao, P.E.
Geotechnical Engineer



Kevin M. Hill, P.E., PMP
Senior Geotechnical Engineer





Fee Estimate

Proposal No. **Proposal Date**

B.Prop-24-124.Rev 8/26/2024

Project Name

East Lake Rd. PD&E

PREPARED BY **PRIME**

AT HDR Engineering

FPID

PID 003879A

SCOPE SUMMARY

Item	Quantity	Depth (ft)	Total	
SPT Borings (5ft Intervals)	54	20	1080	Wet Ponds
SPT Borings (5ft Intervals)	12	20	240	FPC Sites (1 per site)
SPT Borings (2.5ft Intervals)	4	100	400	Bridges
Hand Auger Borings	16	6	96	Innovative Intersections 1/major intersection
Hand Auger Borings	21	6	126	SHWT 2/mile + 1 for organic verification
Hand Auger Borings	132	6	792	Pond Alternatives and FPC Sites
Hand Auger w/DCP	10	6	60	At pavement cores
Pavement Cores	10	N/A	10	1/mile

A. ENGINEERING SERVICES		QUANTITY	UNIT TYPE	UNIT PRICE	SUBTOTAL
MAT Senior Engineer		82	Hour	\$ 210.00	\$ 17,220.00
MAT Engineer		123	Hour	\$ 120.00	\$ 14,760.00
MAT Engineer Intern		288	Hour	\$ 98.00	\$ 28,224.00
MAT Sr. Designer		132	Hour	\$ 105.00	\$ 13,860.00
MAT Sr. Eng. Technician		82	Hour	\$ 85.00	\$ 6,970.00
MAT Engineering Technician		74	Hour	\$ 65.00	\$ 4,810.00
MAT Clerical		41	Hour	\$ 65.00	\$ 2,665.00
TOTAL ENGINEERING SERVICES					\$ 88,509.00
B. FIELD & LAB SERVICES		QUANTITY	UNIT TYPE	UNIT PRICE	TOTAL COST
211 Asphalt Pavement Coring - 6in dia with Base Depth Check		10	Each	\$ 260.00	\$ 2,600.00
401 Geo Auger Borings-HA & Truck/Mud Bug		1014	LF	\$ 12.34	\$ 12,512.76
418 Geo Drill Crew Support Vehicle		35	Day	\$ 233.94	\$ 8,187.90
427 Geo Extra SPT Samples-Truck/Mud Bug 0-50 Ft		32	Each	\$ 73.71	\$ 2,358.72
428 Geo Extra SPT Samples-Truck/Mud Bug 50-100 Ft		40	Each	\$ 76.40	\$ 3,056.00
440 Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft		1520	LF	\$ 6.95	\$ 10,564.00
441 Geo Grout Boreholes- Truck/Mud Bug 50-100 Ft		200	LF	\$ 8.40	\$ 1,680.00
446 Geo Hand Auger with DCP (0-50 ft) ASTM D1452		60	LF	\$ 26.21	\$ 1,572.60
478 Geo SPT Truck/Mud Bug 0-50 Ft		1520	LF	\$ 16.97	\$ 25,794.40
479 Geo SPT Truck/Mud Bug 50-100 Ft		200	LF	\$ 20.65	\$ 4,130.00
488 Geo Temp Casing 3in Truck/Mud Bug 0-50 Ft		200	LF	\$ 11.59	\$ 2,318.00
489 Geo Temp Casing 3in Truck/Mud Bug 50-100 Ft		200	LF	\$ 15.10	\$ 3,020.00
514 Geo Truck/Mud Bug Mobil (30 miles straightline distance)		3	Each	\$ 625.00	\$ 1,875.00
603 Mobilization Asphalt Coring Equipment		1	Each	\$ 399.00	\$ 399.00
805 Soils Corrosion Series FM 5-550 through 5-553		6	Test	\$ 284.44	\$ 1,706.64
811 Soils Liquid Limit AASHTO T89		20	Test	\$ 68.78	\$ 1,375.60
812 Soils Materials Finer than 200 Sieve FM 1-T011		20	Test	\$ 52.50	\$ 1,050.00
817 Soils Moisture Content Laboratory AASHTO T265		184	Test	\$ 18.86	\$ 3,470.24
819 Soils Organic Content Ignition FM 1 T-267		5	Test	\$ 50.87	\$ 254.35
822 Soils Particle Size Anlys AASHTO T88 (No Hydrometer)		159	Test	\$ 77.50	\$ 12,322.50
826 Soils Plastic Limit & Plasticity Index AASHTO T90		20	Test	\$ 76.12	\$ 1,522.40
Subcontracted MOT Services		5	Day	\$ 2,300.00	\$ 11,500.00
TOTAL FIELD AND LAB SERVICES					\$ 115,387.07

For specific questions regarding this proposal, please contact:

Andy Tao

Estimate Total \$ 203,896.07

Representing	Print Name	Signature / Date
Pinellas County		
AREHNA Engineering, Inc.	Andy Tao	

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	66 SPT borings to 20' (1320 LF), 169 hand augers to 6' (1,014 LF), 10 pavement cores with 6' hand auger borings (60 LF) and DCP = 2,394 total LF and 245 boring/core locations
35.2	Develop Detailed Boring Location Plan	LS	1	8	8	
35.3	Stake Borings/Utility Clearance	Boring	245	0.25	61	
35.4	Muck Probing	Crew Day	0	0	0	
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	1	4	4	
35.6	Drilling Access Permits	Location	1	4	4	
35.7	Property Clearances	EA	20	2	40	
35.8	Groundwater Monitoring	EA	0	0	0	
35.9	LBR/Resilient Modulus Sampling	EA	0	0	0	
35.10	Coordination of Field Work	100 lf of boring	23.94	0.75	18	
35.11	Soil and Rock Classification - Roadway	100 lf of boring	23.94	2.25	54	
35.12	Design LBR	LS	1	0	0	
35.13	Laboratory Data	100 lf of boring	23.94	0.75	18	
35.14	Seasonal High Water Table	Boring	245	0.5	123	
35.15	Parameters for Water Retention Areas	EA	66	0.3	20	54 wet ponds and 12 FPC's
35.16	Delineate Limits of Unsuitable Material	Cross-section	0	0	0	
35.17	Electronic Files for Cross-Sections	100 lf of boring	0	0	0	Duplication of Roadway Effort?
35.18	Embankment Settlement and Stability	Embankment Boring	0	0	0	
35.19	Monitor Existing Structures	LS	1	4	4	

35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	Duplication of Drainage Effort?
35.21	Geotechnical Recommendations	LS	1	8	8	
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	1	6	6	
35.23	Preliminary Roadway Report	LS	1	24	24	
35.24	Final Report	EA	1	18	18	
35.25	Auger Boring Drafting	100 lf boring	10.7	4	43	
35.26	SPT Boring Drafting	100 lf boring	13.2	5	66	
			Roadway Geotechnical Subtotal			523
Structures						
35.27	Develop Detailed Boring Location Plan	LS	1	2	2	4 SPT Bridge Borings to 100'≈400 total LF. 2 for NB/SB McMullen Booth over Lake Tarpon Canal, 1 for Keystone Rd. and 1 for Trinity Blvd.)
35.28	Stake Borings/Utility Clearance	Boring	4	0.25	1	
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	3	4	12	
35.30	Drilling Access Permits	Location	3	8	24	
35.31	Property Clearances	EA	0	0	0	
35.32	Collection of Corrosion Samples	EA	6	1	6	
35.33	Coordination of Field Work	100 lf of boring	4	0.75	3	
35.34	Soil and Rock Classification - Structures	100 lf of boring	4	2	8	
35.35	Tabulation of Laboratory Data	100 lf of boring	4	1	4	
35.36	Estimate Design Groundwater Level for Structures	EA	4	0.5	2	
35.37	Selection of Foundation Alternatives (BDR)	Bridge boring	4	4	16	
35.38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	4	8	32	
35.39	Bridge Construction and Testing Recommendations	Bridge boring	4	2	8	
35.40	Lateral Load Analysis (Optional)	Bridge boring	0	0	0	Duplication of Structural Effort?
35.41	Walls	Wall Boring	0	0	0	Not Applicable
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	0	0	Duplication of Structural Effort?
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	0	0	0	Not Applicable

35.44	Box Culvert Analysis	EA	0	0	0	0	Not Applicable
35.45	Preliminary Report - BDR	EA	1	30	30		
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	0	0	0		Not Applicable
35.48	SPT Boring Drafting	100 If of boring	4	6	35		
35.49	Other Geotechnical	LS	1	0	0		
Structural Geotechnical Subtotal				183			
Geotechnical Technical Subtotal				706			
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0		
35.51	Field Reviews	LS	1	0	0		
35.52	Technical Meetings	LS	1	8	8		Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	7%	49		
35.54	Supervision	LS	%	5%	35		
Geotechnical Nontechnical Subtotal				92			
35.55	Coordination	LS	%	3%	24		
35. Geotechnical Total				822			

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	1	2	2			0
Boring Layout Approval	EA	1	2	2			0
Attend in BDR Review Meeting	EA	0	0	0			0
30/60/90% Submittal Review	EA	1	1	1			0
Other Meetings	EA	3	1	3			0
Subtotal Technical Meetings				8	Subtotal Project Manager Meetings		0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				8	Total Project Manager Meetings (carries to Tab 3)		0

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT															
Name of Project: East Lake Rd. PD&E Pinellas County PID 003879A			Consultant Name: AREHNA Engineering, Inc. Prime Consultant: HDR Engineering Date: 8/20/2024 Estimator: Andy Tao												
35. Geotechnical	Staff Classification		0	MAT Senior Engineer	MAT Chief Engineer	MAT Engineer	0	MAT Engineer Intern	MAT Sr. Designer	MAT Senior Engineering Technician	MAT Engineering Technician	MAT Clerical	SH		Average Task
	Total Staff Hours From SH Summary Form	822											Activity	Salary	
			\$0.00	\$210.00	\$225.00	\$120.00	\$0.00	\$98.00	\$105.00	\$85.00	\$65.00	\$65.00	\$0.00	\$0.00	\$107.68
			0	82	0	123	0	288	132	82	74	41	0	822	\$98,509
			822	62	0	123	0	288	132	82	74	41	0	822	\$107.68
			\$0.00	\$17,220.00	\$0.00	\$14,760.00	\$0.00	\$28,224.00	\$13,860.00	\$6,970.00	\$4,810.00	\$2,665.00	\$0.00	\$0.00	\$88,609.00
Total Staff Cost															
Total Staff Hours															
Total Staff Cost															
Check = \$88,509.00															
SALARY RELATED COSTS:															
FCCM (Facilities Capital Cost Money):															
EXPENSES:															
SUBTOTAL ESTIMATED FEE:															
Survey (Field)															
4-person crew \$ - / day															
Geotechnical Field and Lab Testing															
SUBTOTAL ESTIMATED FEE:															
OTHER SERVICES															
GRAND TOTAL ESTIMATED FEE:															
\$88,509.00															
\$0.00															
\$0.00															
\$88,509.00															
\$0.00															
\$115,387.07															
\$203,896.07															
\$0.00															
\$203,896.07															

DIRECT EXPENSE DETAIL - HDR

ESTIMATED DIRECT EXPENSES

HDR Engineering Inc.

East Lake Road PD&E Study from Curlew Road to North of Trinity Boulevard

April 10, 2025

Anticipated Direct Expenses	Unit	Cost	Total	
Print Production/Mounting of Display Boards - Color (36" x 120")	8	\$ 135.00	\$ 1,080.00	Printing/mounting of boards (assume 2 sets of two 4x8 foot long concept plan boards per APIM & Public Hearing)
Print Production/Mounting of Display Boards - Color (24" x 36")	14	\$ 47.00	\$ 698.00	Printing/mounting of welcome, Title VI, typical section, evaluation matrix, environmental boards (assume 7 boards per APIM & Public Hearing. Sub will print all other display boards). Plus delivery charge and tax.
Mailing Services, Printing & Postage for Newsletters	24000	\$ 19,928.00	\$ 19,928.00	Printing and mailing (postage) for APIM and Public Hearing. 11x17 newsletter and comment card insert into an envelope. First class postage. Assumes 24000 mailings for each meeting (11x17" folded newsletter with 8.5x11 inch insert). 19306 parcels + 25% increase for tenants). Postage is \$.622 per piece.
Mailing, Postage and Printing for Kickoff Postcard	24000	\$ 17,328.00	\$ 17,328.00	Printing and mailing (postage) for kickoff notification. 5.5 x 8 postcard. First class postage. Assumes 20,000 mailing. Postage is \$.622 per piece.
Mailing, Postage and Printing for LDCA Postcard	2400	\$ 17,328.00	\$ 17,328.00	Printing and mailing (postage) for kickoff notification. 5.5 x 8 postcard. First class postage. Assumes 20,000 mailing. Postage is \$.622 per piece.
Interactive Activity Display Boards (24x36)	12	\$ 47.00	\$ 564.00	Printing/mounting of interactive display boards for intersections. For APIM meeting and public hearing. (6 intersections for each meeting x 1 set)
Total			\$ 56,926.00	

ANTICIPATED DIRECT EXPENSES

	\$ 56,926.00
TOTAL	\$ 56,926.00

ARC Premier Accounts

PRODUCTION
LOCATION

ARC S FL Tampa Laurel
5005 W. Laurel St, Suite 102
Tampa, FL 33607

INVOICE

DATE REQUIRED 04/15/25

INVOICE NUMBER 689948

DATE 04/15/25

Page 1

BILL TO

HDR (NE) OMAHA
1917 s 67th Street
HQ 2nd Floor
Omaha, NE 68106

SHIP TO

HDR (FL) TAMPA
4830 W. Kennedy Blvd.
Suite 400
Tampa, FL 33609

ORDER DATE		WORK ORDER	SHIP VIA		PURCHASE ORDER		REQUESTED BY		
04/15/25		Quote	our truck				Stefanie McQueen		
PROJECT #		PROJECT NAME				TASK		DEPT	
quote									
LI#	PROD CODE	DESCRIPTION	ORIG	COPY QTY	SHEET SIZE	TOTAL UNITS	UM	UNIT PRICE	EXTENSION
1	2225	DIGITAL COLOR PRINTS - DIRECT	2	1	48x96	64	SF	7.500	480.00
2	2224	LF COLOR SERVICES	2	1		2	EACH	15.000	30.00
3	2225	DIGITAL COLOR PRINTS - DIRECT	13	1	24x36	78	SF	7.500	585.00
4	5201.04	PICK-UP/DELIVERY TO CUSTOMER I	1	1		1	EACH	15.000	15.00
5	5205	FUEL SURCHARGE	1	1		1	EACH	5.000	5.00
INVOICE									
BILLER		SUBTOTAL		SALES TAX		INVOICE TOTAL			
kathy seeland		1115.00		72.48		1187.48			



ARC S FL Tampa Laurel
5005 W. Laurel St, Suite 102
Tampa, FL 33607

DATE REQUIRED 04/15/25

INVOICE NUMBER 689948

DATE 04/15/25

Page 2



BILL TO HDR (NE) OMAHA
1917 s 67th Street
HQ 2nd Floor
Omaha, NE 68106

SHIP TO HDR (FL) TAMPA
4830 W. Kennedy Blvd.
Suite 400
Tampa, FL 33609

ORDER DATE		WORK ORDER	SHIP VIA		PURCHASE ORDER		REQUESTED BY		
04/15/25		Quote	our truck				Stefanie McQueen		
PROJECT #		PROJECT NAME				TASK		DEPT	
quote									
LI#	PROD CODE	DESCRIPTION	ORIG	COPY QTY	SHEET SIZE	TOTAL UNITS	UM	UNIT PRICE	EXTENSION
1	2225	DIGITAL COLOR PRINTS - DIRECT	2	1	48x96	64	SF		
2	2224	LF COLOR SERVICES	2	1		2	EACH		
3	2225	DIGITAL COLOR PRINTS - DIRECT	13	1	24x36	78	SF		
4	5201.04	PICK-UP/DELIVERY TO CUSTOMER I	1	1		1	EACH		
5	5205	FUEL SURCHARGE	1	1		1	EACH		
DELIVERY RECEIPT									

Register, Marlin

From: McQueen, Stefanie
Sent: Tuesday, April 1, 2025 10:33 AM
To: Register, Marlin
Subject: FW: mailing list/printing services

See below for expenses for mailings. I'm confirming the number of parcels today so we can fully calculate an estimate. Goal is to get scope revisions done today and expenses done tomorrow.

Stefanie McQueen AICP
 D 813.282.2470 M 813-422.4688
stefanie.mcqueen@hdrinc.com

hdrinc.com/follow-us

From: John Vigue <jvigie@modmail.com>
Sent: Tuesday, April 1, 2025 9:14 AM
To: McQueen, Stefanie <Stefanie.McQueen@hdrinc.com>
Subject: RE: mailing list/printing services

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Stefanie,
 I was advised that the price I gave you for Option 2 of the mailings below was incorrect, it didn't include our mail services.
 Very sorry about that.
 So for Option 2...

Option 2 – newsletter with blown in 8.5 x 11 insert, 60# offset 1/0
 Print and mail
 20,000 = \$4,334 plus postage
 First class presort will range from \$.545 - \$.622 a piece

A better option if you have that additional piece would be to consider putting this into a 6x9 env. That might be cheaper than trying to nest it inside the newsletter.

John Vigue
VP Sales & Marketing



Modern Mail & Print Solutions
 Office: 727-572-6245
 Fax: 727-573-1118
www.ModMail.com

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From: John Vigue

Sent: Monday, March 31, 2025 11:52 AM

To: 'McQueen, Stefanie' <Stefanie.McQueen@hdrinc.com>

Subject: RE: mailing list/printing services

Mailing 1:

Postcard (5.5 x 8.5" color postcard, doublesided)

Printing and mailing (First class) for 20,000 addresses

20,000 = \$2183 plus Postage

First class presort will range from \$.545 - \$.622 a piece

Mailing 2:

Folded Newsletter Self Mailer (11 x17 inch double-sided newsletter, double folded for mailing)

May include an 8.5x11 inch single sided black and white comment form that we would include as an insert within the folded larger newsletter.

Printing and mailing (First class) for 20,000 addresses.

Option 1 – just the newsletter

Print and mail on 60# Offset, 4/4

20,000 = \$2595 plus postage

Option 2 – newsletter with blown in 8.5 x 11 insert, 60# offset 1/0

Print and mail

20,000 = \$3714 plus postage

First class presort will range from \$.545 - \$.622 a piece

As you can see, the blown in piece is a very expensive option.

Let me know if you have any questions.

Thanks

John Vigue

VP Sales & Marketing



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Fax: 727-573-1118

www.ModMail.com

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<https://www.reviewlead.com/modern-mail-and-print>

From: McQueen, Stefanie <Stefanie.McQueen@hdrinc.com>
Sent: Friday, March 28, 2025 10:18 AM
To: John Vigue <jvigie@modmail.com>
Subject: RE: mailing list/printing services

Thank you!

See below for my responses.

Stefanie McQueen AICP
 D 813.282.2470 M 813-422.4688
stefanie.mcqueen@hdrinc.com

hdrinc.com/follow-us

From: John Vigue <jvigie@modmail.com>
Sent: Thursday, March 27, 2025 4:45 PM
To: McQueen, Stefanie <Stefanie.McQueen@hdrinc.com>
Subject: RE: mailing list/printing services

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thanks for getting back to me.

I will work on the pricing for the 2nd option.

For the newsletter, are you wanting regular 60# offset? Same with the insert? **Yes, and yes.**

For us, it would all need to be ran on the same stocks for us to make it work.

And the final fold goes to 5.5 x 8.5? **Yes.**

As for the data, we will NCOA/CASS and dedupe your list, that is part of the Mail Process fee. **Ok, great**

And If you need a demographic list, we can do that for you too. I just need the parameters you are looking for and the geography you want it to go to. **I don't think we will need this.**

Happy to get on a call with you to discuss.

Let me know

Thanks

John Vigue
VP Sales & Marketing



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 Fax: 727-573-1118
www.ModMail.com

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<https://www.reviewlead.com/modern-mail-and-print>

From: McQueen, Stefanie <Stefanie.McQueen@hdrinc.com>
Sent: Thursday, March 27, 2025 2:50 PM
To: John Vigue <jvigie@modmail.com>
Subject: RE: mailing list/printing services

Hi John,

Thanks so much for reaching out, it was well timed! We very close to finishing up our negotiations with Pinellas County for this project and my intent is to include costs for 2 different mailings for this project. Could you provide a cost estimate for the following:

Mailing 1:

Postcard (5.5 x 8.5" color postcard, doublesided)
 Printing and mailing (First class) for 20,000 addresses

Mailing 2:

Folded Newsletter Self Mailer (11 x17 inch double-sided newsletter, double folded for mailing)
 May include an 8.5x11 inch single sided black and white comment form that we would include as an insert within the folded larger newsletter.
 Printing and mailing (First class) for 20,000 addresses.

Also, for mailing list services, could you please also confirm costs for two scenarios (if you do this service):

1. We provide a list of properties with owner address and site address field for you to cleanup of the list, remove duplicates, and add tenants for non-owner occupied units)
2. We provide a description of the geographic limits (KMZ or GIS shapefile), and you pull the list from USPS data.

If there is another method to pull a mailing list, I would love to discuss further with you.

Thanks!

Stefanie

Stefanie McQueen AICP
 D 813.282.2470 M 813-422.4688
stefanie.mcqueen@hdrinc.com

hdrinc.com/follow-us

From: John Vigue <jvigie@modmail.com>
Sent: Thursday, March 27, 2025 2:38 PM
To: McQueen, Stefanie <Stefanie.McQueen@hdrinc.com>
Subject: RE: mailing list/printing services

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Stefanie,
 I hope this finds you well.

I thought I'd reach out to see if this direct mail project was still something you were considering.
We'd love the opportunity to earn your business so please let me know if there is anything I can do to assist.
Thanks again!

John Vigue

VP Sales & Marketing



Modern Mail & Print Solutions

Office: 727-572-6245

Fax: 727-573-1118

www.ModMail.com

Follow Modern:   

Happy with our service? Please leave us a review!

<https://www.reviewlead.com/modern-mail-and-print>

From: John Vigue

Sent: Thursday, January 9, 2025 3:38 PM

To: 'McQueen, Stefanie' <Stefanie.McQueen@hdrinc.com>

Subject: RE: mailing list/printing services

Hello Stefanie and Happy New Year to you!

Yes, this does include NCOA/CASS on the list during presort and it is included in our mail services.

Let me know if you need anything else.

Thanks

John Vigue

VP Sales & Marketing



Modern Mail & Print Solutions

Office: 727-572-6245

Fax: 727-573-1118

www.ModMail.com

Follow Modern:   

"When you need more than just a Stamp!"

From: McQueen, Stefanie <Stefanie.McQueen@hdrinc.com>

Sent: Thursday, January 9, 2025 12:39 PM

To: John Vigue <jviguet@modmail.com>

Subject: RE: mailing list/printing services

Hi John,

Thanks again for the information. Does this include mailing list cleanup/address verification?

Thanks,

Stefanie

Stefanie McQueen AICP
 D 813.282.2470 M 813-422.4688
stefanie.mcqueen@hdrinc.com

hdrinc.com/follow-us

From: John Vigue <jviguet@modmail.com>

Sent: Friday, December 20, 2024 2:23 PM

To: McQueen, Stefanie <Stefanie.McQueen@hdrinc.com>

Subject: RE: mailing list/printing services

You don't often get email from jviguet@modmail.com. [Learn why this is important](#)

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Stefanie,

Below is your pricing for the 20,000 Postcards.

8.5 x 5.5 Postcard, 4/4

Print/mail

20,000 = \$2183 plus Postage

Standard Class Presort postage will range from \$.345 - \$.402 a piece.

Let me know if you have any questions.

Thanks

John Vigue

VP Sales & Marketing



Modern Mail & Print Solutions

Office: 727-572-6245

Fax: 727-573-1118

www.ModMail.com

Follow Modern:   

"When you need more than just a Stamp!"

From: McQueen, Stefanie <Stefanie.McQueen@hdrinc.com>
Sent: Thursday, December 19, 2024 10:59 AM
To: John Vigue <jvigie@modmail.com>
Subject: mailing list/printing services

Hi John,

I was given your email from a co-worker who has previously used your services to prepare mailing lists and mailings for public meetings. I frequently do mailings for public clients and I'm interested in using your service. Do you have any generalized pricing information you could share? I have all types of size of mailings, but right now, I'm looking for a quote for a 8.5 x 5.5 postcard mailer for 20,000 recipients.

Thanks for any information you can provide.

Stefanie

Stefanie McQueen, AICP
Senior Planner

HDR
4830 W Kennedy Blvd, Suite 400
Tampa, FL 33609
D 813.282.2470 **M** 813.422.4688
stefanie.mcqueen@hdrinc.com

hdrinc.com/follow-us

DIRECT EXPENSE DETAIL - VALERIN

ESTIMATED DIRECT EXPENSES

The Valerin Group, Inc.
East Lake Road PD&E Study from Curlew Road to North of Trinity Boulevard
June 13, 2024

Anticipated Direct Expenses	Unit	Cost	Total	Comments
Printing (8.5" x 11" - full color - 2-sided)	500	\$ 0.47	\$ 235.00	Project fact sheet/agenda, comment cards, speaker cards, etc. for APIM & Public Hearing
Print Production/Mounting of Display Boards - Color (24" x 36")	6	\$ 58.05	\$ 348.30	Printing/mounting of boards (assume 3 boards per APIM & Public Hearing. Prime will print all other display boards)
Advertisements in Newspaper	4	\$ 2,246.75	\$ 8,987.00	Advertised in The Tampa Bay Times (1 ad for APIM, 2 ads for Public Hearing, 1 ad for LDCA)
Florida Administrative Register (FAR)	2	\$ 109.90	\$ 219.80	Published 10 days prior to APIM & Public Hearing
Facility Rental	2	\$ 1,200.00	\$ 2,400.00	Suitable ADA Compliant Facility for APIM & Public Hearing (includes audio/visual charge - if needed)
Directional Signage	12	\$ 32.25	\$ 387.00	Directional signage for Meetings/Hearing
Court Reporter	1	\$ 1,450.00	\$ 1,450.00	Court Reporter for Public Hearing
Total			\$ 14,027.10	

ANTICIPATED DIRECT EXPENSES	\$ 14,027.10
TOTAL	\$ 14,027.10

Carrollwood Copy Center & Printing

11406 N. Dale Mabry Hwy. Suite 207

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www.cccopies.com jeff@cccopies.com

Estimate

Date	Estimate #
12/8/2022	416

Name / Address
Valerin Group Inc. Valerie Ciudad-Real 13014 North Dale Mabry Hwy. Tampa, FL 33618

P.O. No.	Terms	Due Date	MHA	Account #		
		12/8/2022				
Item	Description	Qty	Cost	Total		
Color Copies	#1-- Color Copies, printed full color front and back on #70 white 8.5x11 Direct Expenses	1	0.44	0.44T		
					Subtotal	\$0.44
					Sales Tax (7.5%)	\$0.03
					Total	\$0.47

Signature _____

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Estimate

Date	Estimate #
12/8/2022	416

Name / Address

Valerin Group Inc.
 Valerie Ciudad-Real
 13014 North Dale Mabry Hwy.
 Tampa, FL 33618

P.O. No.	Terms	Due Date	MHA	Account #		
		12/8/2022				
Item	Description			Qty	Cost	Total
signs	#5--Display boards, 24x36 printed full color on foamcore Direct Expenses			1	54.00	54.00T

Signature _____

Subject: RE: Legal Ad Price Quote Needed

From: Jean Mitotes <jmitotes@tampabay.com>
Sent: Wednesday, June 12, 2024 12:42 PM
To: Catherine Winter <catherine@valerin-group.com>
Subject: RE: Legal Ad Price Quote Needed

CAUTION: This email originated from outside of Valerin.
 Hi Catherine here is your quotes for

Sunday \$2244.75 plus \$2.00 for affidavit total \$2246.75
 Wednesday \$2060.25 plus \$2.00 for affidavit total \$2062.25

Let me know if you need anything else.

Thank you,
Jean Mitotes
 Legal Advertising Representative
 Direct **727-869-6223**
 Email: jmitotes@tampabay.com

Deadlines:

Pub Day	Type of	Space/Copy
Wednesday	Display	Friday 10 A.M.
Wednesday	Liner	Friday 2 P.M.
Sunday	Display	Thursday 10 A.M.
Sunday	Liner	Thursday 2 P.M.

Publishing in: Citrus, Hernando, Pasco, Hillsborough & Pinellas

Tampa Bay Times
tampabay.com

From: Catherine Winter <catherine@valerin-group.com>
Sent: Wednesday, June 12, 2024 12:18 PM
To: Jean Mitotes <jmitotes@tampabay.com>
Subject: Legal Ad Price Quote Needed
Importance: High

CAUTION: External Sender

Hi Jean,

Can you please send me a quote for the price of running a 3 x 10.25 legal ad in the Pinellas edition of the Tampa Bay Times?

If we could get this by the end of the day today it would be greatly appreciated!

Thank you!

FLORIDA DEPARTMENT OF STATE
Laurel M. Lee, Secretary of State
 Administrative Code
 The Gray Building - 500 S. Bronough Street, Tallahassee, FL 32399-0250

Billed to:

Other Agencies and Organizations
 The Valerin Group, Inc
 13014 N. Dale Mabry Highway #820
 Tampa, FL 33618-0000
 Attn: Valerie Ciudad-Real

Account: 1410

Invoice Date: 06/22/2021

Invoice Number: 107957

P.O. #	Publication in Florida Administrative Register	#units	\$each	Extension
1 V-030-17-01-TWO56	Vol/No: 47/109, June 7, 2021, Notice ID: 24574579	785	0.14	\$109.90

Invoice # must appear on all checks and correspondence. Please pay balance due: **\$109.90**
 F.E.I.D. number: F 59-3466865 ***Net Due - 15 days - No Discount***

Two#54

pt. w/ Valerin Check # 2699 on 7-6-2021

Wednesday, June 12, 2024 at 10:55:29 Eastern Daylight Time

Subject: Rental Space
Date: Monday, June 10, 2024 at 1:46:55 PM Eastern Daylight Time
From: coom@crescentoaksgolf.com
To: Dakota Larsen
Attachments: image001.png

CAUTION: This email originated from outside of Valerin.
Hi Dakota,

It was a pleasure speaking with you on the phone.
We do have a rental space that does divide into 2 rooms.
We have a projector that does have HDMI and a screen.
We have a speaker with a microphone.
We have a podium

The cost depending on date and time fluctuates.
It would run between \$800 -1200.(estimate only)
When you find out more information, I could give you a formal quote.

Hope this helps.

I look forward to hearing from you.

Thank You,

Wendy Wiegand
Crescent Oaks Golf Club
3300 Crescent Oaks Blvd
Tarpon Springs, FL 34688
727-937-4653 Ext. 22



Carrollwood Copy Center & Printing

11406 N. Dale Mabry Hwy. Suite 207

Tampa, FL 33618-3879

Ph. 813-962-8770 Fax 813-962-3639

www.cccopies.com jeff@cccopies.com

Estimate

Date	Estimate #
7/20/2022	375

Name / Address

Valerin Group Inc.
 Valerie Ciudad-Real
 13014 North Dale Mabry Hwy.
 Tampa, FL 33618

P.O. No.	Terms	Due Date	MHA	Account #		
		7/20/2022				
Item	Description	Qty	Cost	Total		
sign	sign, printed full color double sided on coro, 18x24	1	30.00	30.00T		
				Subtotal	\$30.00	
				Sales Tax (7.5%)	\$2.25	
				Total	\$32.25	

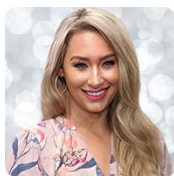
Signature _____

Wednesday, June 12, 2024 at 10:53:25 Eastern Daylight Time

Subject: Re: Court Reporter Needed
Date: Tuesday, June 11, 2024 at 3:25:35 PM Eastern Daylight Time
From: Dakota Larsen
To: Maxa Reporting Billing, Maxa Reporting Scheduling, Maxa Reporting Production
Priority: High
Attachments: image007.png, image008.png, image009.png, image010.png, image011.png, image012.png, image001.png, image002.png

I appreciate your quick response and will pass this information along to my supervisor.

Thank you!



Dakota Jade Larsen
Communications Specialist
E: dakota@valerin-group.com
C: (813) 417-6512



From: Maxa Reporting Billing <billing@maxareporting.com>
Date: Tuesday, June 11, 2024 at 2:39 PM
To: Maxa Reporting Scheduling <scheduling@maxareporting.com>, Dakota Larsen <dakota@valerin-group.com>, Maxa Reporting Production <production@maxareporting.com>
Subject: RE: Court Reporter Needed

CAUTION: This email originated from outside of Valerin.
Good afternoon, Dakota,

Our rates for public meetings are as follows:

\$175 per hour
\$250 if there is no transcript ordered at the time of taking
\$11 pp for original transcript at standard delivery

Rough estimate for a 2-hour proceeding if ordered:

Attendance: \$350
Original transcript: \$1100

Alexandra Emery



28050 US Highway 19 North, Suite 105
Clearwater, FL 33761
727-441-2404
www.maxareporting.com

PLEASE NOTE: You can now schedule assignments, order transcripts, and pay invoices on our updated website www.MaxaReporting.com. Thank you!

Stenographer cancellation policy: All settings must be cancelled prior to 3-business hours from the scheduled start time to avoid a fee.

Interpreter & Videographer cancellation policy: All settings must be cancelled prior to 24 hours of the scheduled start time to avoid a fee.

Conference room cancellation policy: Executive suite conference room reservations must be cancelled prior to 24 hrs of the scheduled start time to avoid a fee for the time reserved.

Transcript Confirmation: By ordering via e-mail, I agree that my firm and/or I will be responsible for payment of the invoices for the services provided herein. My firm and/or I will also be responsible to pay a service charge of 1.5% per month for any invoices that are not paid within 60 days of the invoice date, plus all costs and expenses of collection, including attorney's fees which are incurred in attempting to collect any unpaid invoices.

CONFIDENTIALITY NOTICE: This email message and all attachments transmitted with it are intended solely for the use of the addresses and may contain legally privileged, protected, or confidential information. If you have received this in error, please notify the sender immediately, delete this message from your computer, and destroy any copies.

From: Dakota Larsen <dakota@valerin-group.com>

Sent: Tuesday, June 11, 2024 1:44 PM

To: Maxa Reporting Scheduling <scheduling@maxareporting.com>

Subject: Court Reporter Needed

Importance: High

Good afternoon,

I am reaching out to inquire about your fee for booking a court reporter. We have a public hearing coming up for FDOT/Pinellas County located in the Palm Harbor/Pinellas County area and the meeting will last about 2 hours. We will also need a transcription of the hearing.

If you could please send a price quote for the following information above that would be great.

Thank you and look forward to hearing from you.

Dakota Jade Larsen

LANSBROOK PKWY

Exhibit B: Hourly Rate Sheet

East Lake Road from Curlew Road to North Trinity Boulevard PD&E Study

Pinellas County

RFP No. 24-0175-RFP-CCNA

RIDGEMOOR BLVD

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HDR Engineering, Inc.



HDR Engineering, Inc.
Schedule of Rate Values
 East Lake Road PD&E
 24-0175-RFP-CCNA

Job Classification	Current Loaded Rate
Project Manager 3	\$ 319.50
Chief Planner	\$ 315.00
Chief Engineer 2	\$ 309.00
Chief Engineer 1	\$ 291.00
Senior Engineer 2	\$ 267.00
Senior Engineer 1	\$ 249.00
Acquisition Administrator	\$ 246.00
Chief Scientist	\$ 240.00
Senior Planner	\$ 222.75
Senior Landscape Architect	\$ 210.00
Engineer 2	\$ 204.00
Chief Designer	\$ 192.00
Senior Environmental Specialist	\$ 172.50
Senior Designer	\$ 168.00
Engineer 1	\$ 165.00
Sr. Community Outreach Specialist	\$ 157.50
Senior Accountant	\$ 147.00
Designer	\$ 141.00
Engineering Intern	\$ 123.00
Senior Engineering Technician	\$ 117.00
Environmental Specialist	\$ 117.00

Adams Traffic, Inc.

**East Lake Rd PD&E
24-0175-RFP-CCNA
Hourly Billable Rates**

<u>Job Classification</u>	<u>Billing Rate</u>
Chief Engineer 2	\$250.93
Sr Engineering Technician	\$86.79

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TARPON**

LANSBROOK PKWY

**LAKE
TARPON**

**AREHNA Engineering,
Inc.**

HDR

4830 W Kennedy Blvd, Suite 400
Tampa, FL 33609-2548
hope.gauthreaux@hdrinc.com

Schedule of Rates

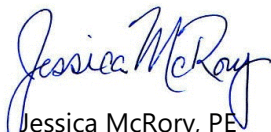
Project No: (24-0175-RFP-CCNA)
Project Title: East Lake Road PD&E Study
Consultant: **HDR Corporation**
Subconsultant Name: AREHNA Engineering, Inc.

The following rates are AREHNA's proposed staff rates for the above referenced contract. We understand that the rates shall be held firm for the initial contract term and no rate increases shall be granted during this time.

STAFF CLASSIFICATION	BILLING RATE (\$/HR)
Chief Engineer	\$225.00
Clerical	\$65.00
Engineer	\$120.00
Engineer Intern	\$98.00
Engineering Technician	\$65.00
Principal Engineer	\$245.00
Senior Designer	\$105.00
Senior Engineer	\$210.00
Senior Engineering Technician	\$85.00

We look forward to working with you on the contract. If you have any questions or require further information, please contact our office at 813-944-3464.

Sincerely,



Jessica McRory, PE
President

Standard Items and Item Descriptions for Geotechnical and Materials firms

Item #	Item Description	Unit	Unit Price
100	Aggregate Acid Insol Retained 200 Sieve FM 5-510	Test	\$ 124.24
101	Aggregate Carbonates & Organic Matter FM 5-514	Test	\$ 136.90
102	Aggregate Org. Impurities S& for Concrete AASHTO T21	Test	\$ 63.10
103	Aggregate Shell Content of Coarse Aggregate FM 5-555	Test	\$ 124.24
104	Aggregate Sieve Anlsys of Fine & Coarse AASHTO T27	Test	\$ 94.07
105	Aggregate Soundness AASHTO T104	Test	\$ 369.88
106	Aggregate Specific Gravity/Absorption Coarse AASHTO T85	Test	\$ 118.68
107	Aggregate Total Moisture Content by Drying AASHTO T255	Test	\$ 51.64
108	Aggregate Unit Mass & Voids AASHTO T19	Test	\$ 87.08
109	Aggregate Specific Gravity/Absorption Fine AASHTO T84	Test	\$ 173.25
200	Asphalt Bulk Specific Gravity FM 1-T166	Test	\$ 75.16
201	Asphalt Content FM 5-563	Test	\$ 163.38
203	Asphalt Gradation & Content FM 1-T030 & FM 5-563	Test	\$ 235.00
204	Asphalt Gradation FM 1-T030	Test	\$ 102.90
206	Asphalt Los Angeles (LA) Abrasion Coarse Agg FM 3-C535	Test	\$ 396.64
207	Asphalt Los Angeles (LA) Abrasion Small Agg FM 1-T096	Test	\$ 382.13
208	Asphalt Max Specific Gravity FM 1-T209	Test	\$ 173.10
209	Asphalt Pavement Coring - 4in dia with Base Depth Check	Each	\$ 259.37
210	Asphalt Pvmnt. Coring - 4in dia without Base Depth Check	Each	\$ 212.50
211	Asphalt Pavement Coring - 6in dia with Base Depth Check	Each	\$ 260.00
212	Asphalt Pvmnt Coring - 6in dia without Base Depth Check	Each	\$ 210.00
300	Concrete Beam Flexural Testing ASTM C78	Test	\$ 65.10
301	Concrete Compressive Strength of Grout/Mortar ASTM C109	Test	\$ 37.80
302	Concrete Cylinder Curing, Capping & Breaking ASTM C39	Test	\$ 35.00
303	Concrete Drilled Cores & Sawed Beams ASTM C42	Test	\$ 75.00
304	Concrete Masonry Unit Sampling & Testing ASTM C140	Test	\$ 195.00
305	Concrete Pavement Coring - 4in Dia	Each	\$ 205.07
306	Concrete Pavement Coring - 6in Dia	Each	\$ 268.89
401	Geo Auger Borings-H& & Truck/Mud Bug	LF	\$ 12.34
404	Geo Backhoe (Rental without labor)	Task	\$ 760.64
406	Geo Barge (Rental without labor)	Task	\$ 6,000.00
407	Geo Chainsaw (Owned)	Day	\$ 149.80
408	Geo Concrete Pad & Cover for Monitoring Wells	Each	\$ 349.94
415	Geo Double Ring Infiltration ASTM D3385	Each	\$ 587.50
417	Geo Dozer (Rental without labor)	Task	\$ 1,081.03
418	Geo Drill Crew Support Vehicle	Day	\$ 233.94
427	Geo Extra SPT Samples-Truck/Mud Bug 0-50 Ft	Each	\$ 73.71
428	Geo Extra SPT Samples-Truck/Mud Bug 50-100 Ft	Each	\$ 76.40
429	Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 89.91
430	Geo Extra SPT Samples-Truck/Mud Bug 150-200 Ft	Each	\$ 115.00
431	Geo Extra SPT Samples-Truck/Mud Bug 200-250 Ft	Each	\$ 120.00
432	Geo Field Perm 0-10 Ft Open-End Borehole Method	Each	\$ 400.00

Item #	Item Description	Unit	Unit Price
433	Geo Field Perm 10-25Ft Open-End Borehole Method	Each	\$ 565.00
440	Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	LF	\$ 6.95
441	Geo Grout Boreholes- Truck/Mud Bug 50-100 Ft	LF	\$ 8.40
442	Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 12.14
443	Geo Grout Boreholes- Truck/Mud Bug 150-200 Ft	LF	\$ 16.78
444	Geo Grout Boreholes- Truck/Mud Bug 200-250 Ft	LF	\$ 17.00
445	Geo Grouted Monitor Well 2in 0-50 Ft	LF	\$ 40.47
446	Geo H& Auger with DCP (0-50 ft) ASTM D1452	LF	\$ 26.21
447	Geo H& Auger with SCP (0-50 ft) ASTM D1453	LF	\$ 23.29
450	Geo Piezometer 2in 0-50 Ft	LF	\$ 60.14
462	Geo Rock Coring Truck/Mud Bug 0-50 Ft 4in ID & over	LF	\$ 60.57
463	GeoRocCoring Truck/MudBug 0-50 Ft less than 4in ID	LF	\$ 51.25
464	Geo Rock Coring Truck/Mud Bug 50-100 Ft 4in ID over	LF	\$ 72.73
465	GeoRocCoring Truck/MudBug 50-100 Ft les than 4in ID	LF	\$ 69.94
466	GeoRocCoring Truck/MudBug 100-150 Ft 4in ID & over	LF	\$ 81.41
467	GeoRocCoring Truck/MudBug 100-150 Ft les than 4in ID	LF	\$ 81.50
468	GeoRocCoring Truck/MudBug 150-200 Ft 4in ID & over	LF	\$ 97.07
469	GeoRocCoring Truck/MudBug 150-200 Ft les than 4in ID	LF	\$ 102.17
470	GeoRocCoring Truck/MudBug 200-250 Ft 4in ID & over	LF	\$ 124.55
471	GeoRocCoring Truck/MudBug 200-250 Ft les than 4in ID	LF	\$ 105.00
472	Geo Saximeter Testing	Hour	\$ 153.34
478	Geo SPT Truck/Mud Bug 0-50 Ft	LF	\$ 16.97
479	Geo SPT Truck/Mud Bug 50-100 Ft	LF	\$ 20.65
480	Geo SPT Truck/Mud Bug 100-150 Ft	LF	\$ 33.50
481	Geo SPT Truck/Mud Bug 150-200 Ft	LF	\$ 44.62
482	Geo SPT Truck/Mud Bug 200-250 Ft	LF	\$ 54.80
488	Geo Temp Casing 3in Truck/Mud Bug 0-50 Ft	LF	\$ 11.59
489	Geo Temp Casing 3in Truck/Mud Bug 50-100 Ft	LF	\$ 15.10
490	Geo Temp Casing 3in Truck/Mud Bug 100-150 Ft	LF	\$ 18.37
491	Geo Temp Casing 3in Truck/Mud Bug 150-200 Ft	LF	\$ 23.10
492	Geo Temp Casing 3in Truck/Mud Bug 200-250 Ft	LF	\$ 24.25
498	Geo Temp Casing 4in Truck/Mud Bug 0-50 Ft	LF	\$ 12.89
499	Geo Temp Casing 4in Truck/Mud Bug 50-100 Ft	LF	\$ 16.06
500	Geo Temp Casing 4in Truck/Mud Bug 100-150 Ft	LF	\$ 19.16
501	Geo Temp Casing 4in Truck/Mud Bug 150-200 Ft	LF	\$ 20.79
508	Geo Temp Casing 6in Truck/Mud Bug 0-50 Ft	LF	\$ 18.73
509	Geo Temp Casing 6in Truck/Mud Bug 50-100 Ft	LF	\$ 21.98
510	Geo Temp Casing 6in Truck/Mud Bug 100-150 Ft	LF	\$ 26.68
511	Geo Temp Casing 6in Truck/Mud Bug 150-200 Ft	LF	\$ 27.58
514	Geo Truck/Mud Bug Mobil (30 miles straightline distance)	Each	\$ 625.00
519	Geo Undisturbed Samples Truck/Mud Bug 0-50 Ft	Each	\$ 202.36
520	Geo Undisturbed Samples Truck/Mud Bug 50-100 Ft	Each	\$ 242.66
521	Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft	Each	\$ 315.00
522	Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 325.00
525	Geo Well Development	Hour	\$ 247.74

Item #	Item Description	Unit	Unit Price
531	Geo Truck/Mudbug Drill Rig and Crew (2-person)	Hour	\$ 260.27
532	Geo Truck/Mudbug Drill Rig and Crew (3-person)	Hour	\$ 316.82
538	Geo Clearing Equipment	Day	\$ 2,100.00
539	Geo Wash Boring, 0-50 Ft	LF	\$ 12.50
540	Geo Wash Boring, 50-100 Ft	LF	\$ 14.50
541	Geo Wash Boring, 100-150 Ft	LF	\$ 22.00
542	Geo Wash Boring, 150-200 Ft	LF	\$ 23.00
543	Geo Wash Boring, 200-250 Ft	LF	\$ 24.13
602	Mobilization - Vibration Monitoring Equipment	Each	\$ 377.50
603	Mobilization Asphalt Coring Equipment	Each	\$ 399.00
606	Mobilization Concrete Coring	Each	\$ 399.00
612	Mobilization Drill Rig Truck Mount	Each	\$ 552.24
700	MOT Arrow Board	Each	\$ 96.56
701	MOT Attenuator Truck	Hour	\$ 251.12
702	MOT Channelizing Devices - Type I, II, VP, Drum (each)	Each	\$ 4.50
703	MOT Light Tower	Each	\$ 235.00
704	MOT Portable Changeable Message Sign (PCMS)	Each	\$ 225.00
705	MOT Portable Lighting	Each	\$ 126.34
706	MOT Portable Sign	Each	\$ 53.57
707	MOT Post Mounted Sign	Each	\$ 30.52
708	MOT Provide Channelizing Devices - Cone	Each	\$ 6.00
710	MOT Shadow Vhcle w/ Adv. Warning Arrow & Attenuator	Hour	\$ 269.25
711	MOT Shadow Vhcle w/ Advanced Warning Arrow Board (AWA)	Hour	\$ 135.89
712	MOT Support Vehicle	Hour	\$ 144.84
800	Soils Chloride Soil or Water FM 5-552	Test	\$ 96.31
801	Soils Consol-Addtl Incrmnts AASHTO T216 (13 to 24 Loads)	Each	\$ 129.15
802	Soils Consol-Addtl Incrmnts AASHTO T216 (up to 12 Loads)	Each	\$ 665.16
803	Soils Consolidation - Constant Strain ASTM D4186	Test	\$ 603.36
804	Soils Consol-Extend Load Incrmnts AASHTO T216	Day	\$ 182.95
805	Soils Corrosion Series FM 5-550 through 5-553	Test	\$ 284.44
806	Soils Direct Shear Consolid Drained/ Point FM 3-D3080	Test	\$ 436.82
808	Soils Flexible Wall Permeability ASTM D5084	Test	\$ 497.08
809	Soils Hydrometer Only AASHTO T88	Test	\$ 157.17
810	Soils Limerock Bearing Ratio (LBR) FM 5-515	Test	\$ 437.00
811	Soils Liquid Limit AASHTO T89	Test	\$ 68.78
812	Soils Materials Finer than 200 Sieve FM 1-T011	Test	\$ 52.50
817	Soils Moisture Content Laboratory AASHTO T265	Test	\$ 18.86
818	Soils Moisture Content Microwave AASHTO D4643	Test	\$ 23.01
819	Soils Organic Content Ignition FM 1 T-267	Test	\$ 50.87
821	Soils Particle Size Anlys AASHTO T88 (Incl. Hydrometer)	Test	\$ 200.00
822	Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	Test	\$ 77.50
823	Soils Permeability Constant Head AASHTO T215	Test	\$ 395.00
824	Soils Permeability Falling Head FM 5-513	Test	\$ 359.41
825	Soils pH Soil or Water FM 5-550	Test	\$ 49.72
826	Soils Plastic Limit & Plasticity Index AASHTO T90	Test	\$ 76.12

Item #	Item Description	Unit	Unit Price
827	Soils Proctor Modified FM 1-T180	Test	\$ 165.00
828	Soils Proctor Standard AASHTO T99	Test	\$ 165.00
829	Soils Resistivity Soil or Water FM 5-551	Test	\$ 70.00
830	Soils Shrinkage Factor AASHTO T92	Test	\$ 104.50
831	Soils Specific Gravity AASHTO T100	Test	\$ 91.22
832	Soils Split Tensile Strgth of Rock Cores ASTM D3967	Test	\$ 160.05
833	Soils Sulfate Soil or Water FM 5-553	Test	\$ 73.50
834	Soils Swell Potential ASTM D4546	Test	\$ 183.75
835	Soils Triaxl Consl-Drain (CD) Per Point\Cell ASTM D7181	Test	\$ 620.81
836	Soils Tri Cnsl-Undrn (CU) Pt\Cell AASHTO T297/ASTM D4767	Test	\$ 620.00
837	Soil Tri Uncsl-Undrn (UU) Pt\Cell AASHTO T296/ASTM D2850	Test	\$ 495.00
838	Soils Unconfined Compression - Rock ASTM D7012, Method C	Test	\$ 163.52

The pricing listed is our standard fee schedule and is the pricing used for all projects.

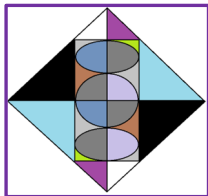

 Jessica McRory, PE
 President
 AREHNA Engineering, Inc.

**LAKE
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LANSBROOK PKWY

**LAKE
TARPON**

**Harbor Coordination
Solutions, Inc.**



HARBOR COORDINATION SOLUTIONS, INC.

Marlin Register

HDR

4830 W Kennedy Blvd, Suite 400

Tampa, FL 33609-2548

Re: Pinellas County 24-0175-RFP-CCNA East Lake Rd PD&E study

Dear Mr. Register

I would like to congratulate you and we are excited to be part of the county's projects. Harbor Coordination Solutions Inc, will provide utility coordination services for the above referenced project. The following are the staff, positions and loaded rates.

Senior Utility Coordinator	\$197.32	Jeanna Dean
Assistant Utility Coordinator	\$104.32	Sarah Cole
Utility Coordinator	\$125.80	Heather Dean

If you have any questions, please do not hesitate to contact me at 813-781-5787 or Jdean@Harborcoordination.com

Respectfully,



Jeanna Dean
President

cc: File

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LAKE
TARPON

SEARCH, Inc.

RIDGEWAY BLVD



RE: East Lake Road PD&E Study (24-0175-RFP-CCNA), Pinellas County, Florida

Firm: SEARCH, Inc.

As requested, the following is our information regarding overhead multipliers and personnel hourly rates for the East Lake Road PD&E Study (24-0175-RFP-CCNA) project. These rates will be used throughout the duration of the contract.

Multiplier of 3.5010 is calculated as follows:

Direct Labor		1.0000
Overhead		1.2934
Total Cost		2.2934
Profit/Operating Margin	28%	0.6422
Subtotal		2.9356
Expenses (% of labor)	56.40%	0.5640
FCCM (% of labor)	0.14%	0.0014
Total		3.5010

Classification	Hourly Rate	Multiplier	Loaded Rate (Billing Rate)
Project Manager 3	\$ 65.69	3.5010	\$ 229.98
Chief Archaeologist	\$ 49.31	3.5010	\$ 172.63
Senior Archaeologist	\$ 45.29	3.5010	\$ 158.56
Archaeologist	\$ 32.06	3.5010	\$ 112.24
Sr. Scientist (Architectural Historian)	\$ 45.26	3.5010	\$ 158.46
Scientist (Historian)	\$ 31.22	3.5010	\$ 109.30
GIS Specialist	\$ 33.83	3.5010	\$ 118.44
Secretary/Clerical	\$ 32.84	3.5010	\$ 114.97

LAKE
TARPON

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LANSBROOK PKWY

LAKE
TARPON

RIDGE
The Valerin Group, Inc.



 (813) 751-0478
 3903 Northdale Boulevard
Suite 100E
Tampa, FL 33624
 www.Valerin-Group.com

THE VALERIN GROUP, INC.
SCHEDULE OF RATE VALUES

**East Lake Road from Curlew Road
To North Trinity Boulevard PD&E Study
24-0175-RFP-CCNA)**

Labor Categories	Fully Loaded Hourly Rates*
Contract/QC Project Manager	\$140.00
Community Outreach Specialist	\$135.00
Graphic Designer	\$122.00
Multimedia Specialist	\$127.00

*The fully loaded hourly rates do not include direct expenses associated with the project such as printing, postage, venue rentals, etc.



Valerie Ciudad-Real
President

2/19/ 2024

Date

SECTION C – INSURANCE REQUIREMENTS

SECTION C – INSURANCE REQUIREMENTS**1. LIMITATIONS ON LIABILITY**

By submitting a Proposal, 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.

Upon selection of Consultant for award, the selected 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

SECTION C – INSURANCE REQUIREMENTS

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.

- 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:

SECTION C – INSURANCE REQUIREMENTS

- 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 Vendor/Contractor 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 Vendor, 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) **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", Proposer may submit annually to the County, for a three (3) year period, a current certificate of insurance providing "claims made" insurance with prior acts coverage in force with a retroactive date no later than commencement date of this contract.

Limits

Each Occurrence or Claim	\$10,000,000
General Aggregate	\$ 10,000,000

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.

- 4) **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.

SECTION C – INSURANCE REQUIREMENTS

- 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	\$ 2,000,000
General Aggregate	\$ 2,000,000

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.

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