***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: Anclote Road Roadway and Stormwater Improvements – Professional Engineering Services**

**RFP CONTRACT NO. 190-0209-NC (SS)**

**NON-CONTINUING FIRM: Pennoni Associates, Inc.**

# PROFESSIONAL ENGINEERING SERVICES NON-CONTINUING SERVICES SAMPLE AGREEMENT

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## SECTION 1
## INTENT OF AGREEMENT

**AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR**
**Anclote Road Roadway and Stormwater Improvements –**
**Professional Engineering Services**

THIS AGREEMENT, entered into on the 9 day of September, 2021, 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, **Pennoni Associates, Inc.**, with offices in Clearwater, Florida hereinafter referred to as the CONSULTANT.

WITNESSETH, That:

WHEREAS, Pinellas County, herein referred to as the COUNTY, requires **PROFESSIONAL ENGINEERING SERVICES** associated with support to develop plans and specifications and perform all other professional engineering services as may be required during the construction of roadway and stormwater management improvements for Anclote Road 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:

## SECTION 2
## SCOPE OF PROJECT

2.1 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:

The County Five Factors (aka, five points of light) for this project of Alternative Routes & Design Concepts, Safety, Environmental, Cost, and Long-Range Planning will be considered for this project. The services performed by the CONSULTANT shall follow applicable manuals and Guidelines. The Florida Department of Transportation (FDOT)'s Manuals and Guidelines incorporate by requirement or reference all applicable State and Federal regulations. The current edition, including updates, of the FDOT Manuals and Guidelines shall be used in the performance of this work. It is understood that AASHTO criteria shall apply as incipient policy. All survey and engineering drawings shall be provided in accordance with the Pinellas County CADD Manual for Land Survey and Civil Engineering. The Pinellas County CADD Kit for Civil 3D CADD Manual and Kit details can be found at www.pinellascounty.org/technical .

The overall stormwater management design will adhere to the requirements of the Pinellas County Stormwater Manual, with consideration given to incorporating green infrastructure and low impact development (LID) approaches within existing rights-of-ways and other opportunity-based locations. This project will also consider and integrate all known County CIP projects and maintenance projects either previously constructed, in-progress, or planned throughout the Anclote Road corridor.

All required permits shall be obtained by the engineering consultant. Exhibit A, Scope of Services is attached.

a) Required Deliverables

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

b) After the PER and 30% plans are complete, and at the County's option, the CONSULTANT may be requested to also provide professional engineering services for design, plans preparation, construction specifications preparation and engineer-of-record construction services. If such option is elected by the County, the corresponding additional fees will be negotiated, and the contract will be amended accordingly. If such option is elected by the County, there is a potential for additional Insurance Requirements based on the scope of work.

2.2 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.

2.3 CONSULTING RESPONSIBILITIES

A. It is the intention of the COUNTY that the CONSULTANT is held accountable for its work, including checking and review of plans, 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, at its own expense, 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 hereunder 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, prepared in Microsoft Project 2013 or later, 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 ten (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, and shall incorporate appropriate design adjustments into the PROJECT, in a timely manner, resulting from the review exchange.

2.4 GENERAL DESIGN CONDITIONS

2.4.1 The CONSULTANT shall coordinate and solicit appropriate input, with the knowledge of the COUNTY.

2.4.2 All design data, plans, and drawings shall be delivered electronically and or on CD ROM formatted to .DXF or .DWG utilizing Civil 3D 2018 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 a CD ROM, Microsoft Word & Excel format as required, as well as the reproducible hard copies.

2.4.3 One (1) original and nine (9) copies of all deliverables are required unless specific submittal requirements are specified elsewhere in this Agreement.

2.4.4 The CONSULTANT shall develop acceptable alternates to any and all design recommendations that may be declared unacceptable.

2.5 GOVERNING SPECIFICATIONS REGULATIONS AND PERTINENT DOCUMENTS

2.5.1 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.

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

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

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

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

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

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

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

Should Supplier:

i. fail to acknowledge receipt of the notice within 30 days of receipt of the Notice;
ii. unreasonably and solely withhold agreement regarding a timeline for resolution for more than 30 days following the Initial Meeting; or
iii. fail to materially resolve the Accessibility Issue(s) within the agreed-upon timeline,

Failure to comply with the requirements of this section shall constitute a material breach of this Agreement and shall be grounds for termination of this Agreement by Pinellas County and subject Supplier to section 15 of this Agreement, “Indemnification.”

## SECTION 3
## SERVICES TO BE FURNISHED BY THE CONSULTANT

3.1 SEE EXHIBIT A – SCOPE OF SERVICES.

3.2 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 two (2) complete sets of documents (plans and specifications), two (2) of which shall be signed and sealed by the CONSULTANT as original record sets for the PROJECT. Each sheet in the two (2) construction plans print sets shall be signed, sealed and dated. The title sheet only of the two (2) specifications sets shall be signed, sealed, and dated. Additionally, any required addenda shall be signed, sealed, and dated.

3.2.1 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.

3.2.2 If the Advertisement for bids has not commenced within sixty (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.

3.2.3 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.

3.3 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. Response to any request must be received by the COUNTY within twenty-four (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 three (3) month, six (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 one (1) set of signed and sealed prints and one (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 thirty (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 project 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.

3.4 PROVISIONS RELATED TO ALL PHASES

3.4.1 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.

3.4.2 The CONSULTANT will coordinate work designed by various disciplines.

3.4.3 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. Five (5) copies of the design notes and computations shall be submitted to the COUNTY with the design development review plans. When the plans are submitted for final review, the design notes and computations corrected for any COUNTY comments shall be resubmitted. At the PROJECT completion, a final set of the design notes and computations, properly endorsed by the CONSULTANT, shall be submitted with the record set of plans and tracings.

b. The design notes and calculations shall include, but not be limited to, the following data:

1) Design criteria used for the PROJECT.
2) Roadway geometric calculations
3) Structural calculations.
4) Drainage calculations.
5) Traffic design calculations
6) Traffic control calculations
7) Calculations as required by provisions of the Florida Energy Conservation Manual (Department of General Services), latest revision.
8) Calculations showing probable cost comparisons of various alternatives considered.
9) Documentation of decisions reached resulting from meetings, telephone conversations or site visits.
10) Other PROJECT-related correspondences as appropriate.

3.4.4 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.

3.4.5 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.

3.4.6 The COUNTY in no way obligates itself to check the CONSULTANT'S work and further is not responsible for maintaining project schedules.

3.4.7 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.

3.4.8 The CONSULTANT must be familiar with the intent, thoroughness, safety factors and design assumptions of all structural calculations.

3.4.9 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.

3.5 PERMIT APPLICATIONS AND APPROVALS

3.5.1 The CONSULTANT shall prepare all permit applications, data and drawings required for submittal BY THE COUNTY for approval of local, state and federal agencies.

3.5.2 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.

3.5.3 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.

3.6 COORDINATION WITH UTILITY SERVICES AND AFFECTED PUBLIC AGENCIES

3.6.1 The requirements of the various utility services shall be recognized and properly coordinated with the PROJECT design.

3.6.2 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

4.1 The COUNTY shall provide the following for the CONSULTANT'S use and guidance:

A. Copies of existing maps, existing aerial photographs, as-built construction plans and data pertinent to the PROJECT design, which the COUNTY may have in its possession.

B. Reproducibles of the COUNTY Engineering Department Standard Drawings applicable to the PROJECT.

C. Sample copies of the COUNTY standard contract documents and specifications.

D. Preparation of legal (front-end) section of the specifications.

## SECTION 5
## PRESENTATIONS, PUBLIC MEETINGS AND TECHNICAL LIAISON

The following services shall be provided to the COUNTY:

5.1 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.

5.2 The CONSULTANT shall make presentations to the COUNTY 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.

5.3 The CONSULTANT shall participate in PROJECT Conferences per Exhibit A with COUNTY staff personnel. The meetings will be scheduled by the COUNTY at a location provided by the COUNTY.

5.4 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.

5.5 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

6.1 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.

6.2 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.

6.3 CONTINGENCY SERVICES

When authorized in writing by the COUNTY, 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.

6.4 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.

6.5 INVOICING

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

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

A. Soil Analysis/Geotechnical Investigations.

B. Contamination Assessments/Hazardous Material Analysis (if required).

C. Aerial Photography (if required).

D. Payment of Permit Fees (if required).

E. Payment of the Public Information Meeting Advertisements, if required.

F. Payment of the Court Reporter for public meetings, if required.

G. Printing and Binding Services.

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

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

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

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

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

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

## SECTION 7
## COMPENSATION TO THE CONSULTANT

7.1 For the BASIC SERVICES provided for in this Agreement, as defined in Section 3, the COUNTY agrees to pay the CONSULTANT as follows:

A Lump Sum Fee of: Forty-Six Thousand Eight Hundred Eighty-Six and 12/100 Dollars ($46,886.12) for Task 1 – Project Requirements.

A Lump Sum Fee of: Fifty-Seven Thousand Five Hundred Fifty-Eight and 88/100 Dollars ($57,558.88) for Task 2 – Public Involvement.

A Lump Sum Fee of: Five Hundred Fifty-Six Thousand One Hundred Forty-Nine and 51/100 Dollars ($556,149.51) for Task 3 –Engineering Analysis and Considerations.

A Lump Sum Fee of: Forty-Six Thousand Forty-Eight and 87/100 Dollars ($46,048.87) for Task 4 –Environmental Analysis and Reports.

A Lump Sum Fee of: Twenty-Four Thousand and 75/100 Dollars ($24,000.75) for Task 5 –Preliminary Engineering Report Document.

A Lump Sum Fee of: Twenty-Seven Thousand Two Hundred Forty-Eight and 60/100 Dollars ($27,248.60) for Task 6 – Utility Designation.

The above fees shall constitute the total not to exceed amount of Seven Hundred Fifty-Seven Thousand Eight Hundred Ninety-Two and 73/100 Dollars (**$757,892.73)** 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.

7.2 For the OPTIONAL SERVICES provided for in the Agreement, as defined in Exhibit A, the COUNTY agrees to pay the CONSULTANT as follows:

A Lump Sum Fee of: Forty Thousand Six Hundred Eighty-Two and 65/100 Dollars **($40,682.65)** for the Task 7.2 of the PROJECT

7.3 For any CONTINGENCY SERVICES performed, the COUNTY agrees to pay the CONSULTANT, a negotiated fee based on the assignment, up to a maximum amount not to exceed Fifty Thousand and 00/100 Dollars **($50,000.00)** for all assignments performed.

7.4 Total agreement not to exceed Eight Hundred Forty-Eight Thousand Five Hundred Seventy-Five and 38/100 Dollars **($848,575.38)**.

7.5 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.

7.6 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:

8.1 The services to be rendered by the CONSULTANT shall be commenced upon receipt from the COUNTY of written "NOTICE TO PROCEED."

8.2 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.

8.3 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 thirty-five (35) days.

## SECTION 9
## AUTHORIZATION FOR CONTINGENT OR ADDITIONAL SERVICES

9.1 The CONTINGENCY services provided for under this Agreement shall be performed only upon prior written authorization from the COUNTY.

9.2 The ADDITIONAL services provided for under this Agreement shall be performed only upon approval of the County Administrator or Board of County Commissioners.

9.3 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.

## SECTION 12
## RESOLUTION OF DISAGREEMENTS

12.1 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.

12.2 The decision of the COUNTY upon all claims, questions, disputes and conflicts shall be final and conclusive, and shall be binding upon all parties to this Agreement, subject to judicial review.

## SECTION 13
## CONSULTANT'S ACCOUNTING RECORDS

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

13.2 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.

13.3 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 five (5) years after the date of final payment by the COUNTY to the CONSULTANT pursuant to this Agreement.

13.4 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**

15.1 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

15.2 If the CONSULTANT is an individual or entity licensed by the state of Florida who holds a current certificate of registration 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 of the CONSULTANT and other persons employed or utilized by the CONSULTANT in the performance of the Agreement.

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

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

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

CONSULTANT acknowledges that it is functioning as an independent CONSULTANT in performing under the terms of this Agreement, and it is not acting as an employee of COUNTY. 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 one (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 five percent (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

22.1 The COUNTY reserves the right to cancel this Agreement, without cause, by giving thirty (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 thirty (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.

22.2 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.

22.3 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.

22.4 In the event that conditions arise, such as lack of available funds, which in the COUNTY'S opinion make it advisable and in the public interest to terminate this Agreement, it may do so upon written notice.

**SECTION 23**
**AGREEMENT TERM**

This Agreement will become effective on the date of execution first written above and shall remain in effect for five hundred and fifty (550) consecutive calendar days from the commencement date on the Notice to Proceed unless terminated at an earlier date under other provisions of this Agreement, or unless extended for a longer term by amendment.

**SECTION 24**
**CONFLICT OF INTEREST**

24.1 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.

24.2 If, in the sole discretion of the County Administrator or designee, a conflict of interest is deemed to exist or arise during the term of the contract, the County Administrator or designee may cancel this contract, effective upon the date so stated in the Written Notice of Cancellation, without penalty to the COUNTY.

**SECTION 25**
**ENTIRE AGREEMENT**

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

**SECTION 26**
**PUBLIC ENTITY CRIMES**

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

**SECTION 27**
**PUBLIC RECORDS**

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

**CONTRACTOR'S DUTY**

**If the contractor has questions regarding the application of Chapter 119, Florida Statutes, to the Contractor's duty to provide public records relating to this contract, contact the Pinellas County Board of County Commissioners, Purchasing Department, Operations Manager custodian of public records at 727-464-3311, purchase@pinellascounty.org, Pinellas County Government, Purchasing Department, Operations Manager, 400 S. Ft. Harrison Ave, 6th Floor, Clearwater, FL 33756.**

**SECTION 28**
**GOVERNING LAW AND AGREEMENT EXECUTION**

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

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

Firm Name: Pennoni Associates, Inc.

By: _____
Print Name: E. Peter Nikolov, PE ENV SP
Title: Vice President Date: 08/10/2021

PINELLAS COUNTY, by and through its Board of County Commissioners

By: _____
Name Date: 09/09/2021
Chairman

ATTEST:

Ken Burke, Clerk of the Circuit Court

By: _____
Deputy Clerk Date: 09/09/2021

**APPROVED AS TO FORM**

By: *Jacina Parson*
Office of the County Attorney

# Exhibit A

# SCOPE OF SERVICES

## ENGINEERING CONSULTING SERVICES
## Contract No. 190-0209-NC (SS)

## PRELIMINARY ENGINEERING REPORT (PER) STUDY

## For

## ANCLOTE ROAD ROADWAY AND STORMWATER IMPROVEMENTS FROM ANCLOTE BOULEVARD TO ALTERNATE US 19

## County PID: 003897A

## Prepared for:

**Pinellas County**
**Public Works CIP Division, Stormwater & Parks Engineering**
**14 S. Fort Harrison Avenue**
**Clearwater, FL 33756**

## Prepared by:

**Pennoni Associates Inc.**
**5755 Rio Vista Drive | Clearwater, FL 33760**

**July 28, 2021**

# I. Table of Contents

**SCOPE OF SERVICES FOR CONSULTING ENGINEERING SERVICES**

This Exhibit forms an integral part of the agreement between Pinellas County (hereinafter referred to as the COUNTY) and Pennoni Associates Inc. (hereinafter referred to as the CONSULTANT) relative to the transportation facility described as follows:

## I. PROJECT TITLE

Professional Engineering Services for Anclote Road Roadway and Stormwater Improvements from Anclote Boulevard to Alternate US 19.

## II. OBJECTIVE

The overall objective of this proposal is to seek the services for improvements to Anclote Road from Anclote Boulevard to Alternate US 19. A preliminary engineering report and 30% plans (PER) for the preferred alternative will be completed by the CONSULTANT for this project. As part of the PER analysis/study described in this scope of services the CONSULTANT will consider the five factors:

- Alternate Routes and Design concepts
- Safety
- Environmental
- Costs
- LRTP consistency
- As well as utilities, planning and economic development studies, and several other factors.

## III. PROJECT DESCRIPTION

The project area currently experiences localized flooding, along Anclote Road, Center Avenue, Savannah Avenue and other locations along the project limits. The existing roadway pavement in many locations is also in very poor condition and requires rehabilitation. The project area has numerous adjacent sites of environmental concern and Anclote River is classified as an impaired water body for nutrients.

Anclote Road is a continuous 2.4-mile two-lane collector road serving under-developed industrial and commercial areas, employment centers, and residential areas in unincorporated Pinellas County and the City of Tarpon Springs. The County has identified this area as a Target Employment Center for economic development which will allow increased density for uses such as manufacturing, office, and research & development.

Transportation objectives for improving this corridor are to provide multimodal access to industrial, workforce, and residential areas, improve safety, and improve stormwater management. The project will also provide improved access to the Elfers and Coastal Anclote Trails.

## IV. SCOPE OF WORK

The project will include a PER and 30% Plans for the preferred alternative. The PER will include Construction Phases 1, 2, 3, Brady Road and Brady Trail.

### A. PER and 30% Plans Phase

This phase includes Construction Phases 1, 2, 3, Brady Road and Brady Road Trail. See below for the approximate limits and area descriptions.

### B. Final Design Phase

Final Design is not included in this scope of services. The County will decide whether to proceed to final design after the PER for Construction Phases 1, 2, 3, Brady Road and Brady Road Trail is completed.

### C. Construction Phases Approximate Limits

**Construction Phase 1** - From Alternate US 19 to the intersection of Anclote Road and L&R Industrial Boulevard including outfalls. Also includes Center Avenue from Anclote Road to Fulton Street.

**Construction Phase 2** - From intersection of Anclote Road and L&R Industrial Boulevard to intersection of Anclote Road and Wesley Avenue (includes the 90 degree bend north of intersection of Wesley Avenue and Anclote Road intersection and outfalls). Also includes Savannah Avenue from Anclote Road to Brady Road.

**Construction Phase 3** - From 90 degree bend north of intersection of Wesley Avenue and Anclote Road Intersection to Anclote Boulevard including outfalls.

**Brady Road** - From Anclote Road to Work Release Center.

**Brady Road Trail** - From Work Release Center to L&R Industrial Boulevard.

The CONSULTANT will coordinate and perform the appropriate level of engineering analysis for the **PER and 30% Plans** depicting the proposed Anclote Road improvements including geometric alternatives, 30% plans for preferred alternative, traffic analysis, drainage, environmental, utility impacts, right-of-way impacts, safety and construction cost.

The CONSULTANT will use the Envision Checklist as guidance to help implement a more sustainable project. This project will not be submitted for third-party verification or awards program.

The CONSULTANT will develop, present and submit to the County a QA/QC plan. This plan outlines the quality process and assures clear assignments of responsibilities to Pennoni project team members. Quality control measures will be applied for work products related to this project including preparation of plans for phase submittals, reports, comments, meetings and other related items. Documents will be checked for conformance with standard design criteria, legibility, completeness, mathematical accuracy and printing/plotting accuracy. The Quality Control Review will include checking and back checking processes prior to submittal or publishing of a document. Drawings, hand calculations, computer generated calculations, specifications, quantities, cost estimates, permits, studies and reports are subject to these procedures. Copies of QA/QC documents will be submitted to the County.

## TASK 1 PROJECT REQUIREMENTS

The CONSULTANT will conduct the appropriate level of engineering and environmental analyses related to project objectives.

### A. Technical Meetings and Other

Led by the COUNTY Project Manager, 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 will prepare a project schedule in Microsoft Project.

The CONSULTANT will 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.

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

The CONSULTANT will attend technical meetings necessary to execute the Scope of Services of this contract. This includes meetings with COUNTY and/or Agency staff, between disciplines and subconsultants, such as access management meetings, local governments, utilities, progress review meetings (phase review), and miscellaneous meetings. The CONSULTANT will prepare, and submit to the COUNTY's Project Manager for review, the meeting minutes for meetings attended by them. The meeting minutes are due within five (5) working days of attending the meeting.

List of Technical Meetings

- NTP Meeting (1)
- Typical Sections, Concepts and Alternatives (2)
- Linear and Offsite Pond Systems (1)
- Drainage for Roadway/Culvert (1)
- Structures for Culvert Crossing and Walls (1)
- Water Management District (1)
- USACE (1)
- Florida Department of Transportation (FDOT) (1)
- Right-of-Way (1)
- Traffic Analysis including Multimodal (1)
- Utilities (1)
- Local Governments/Other Entities (2)
- Progress Meetings (Bi-monthly) (5)
- PER Phase Review Meetings (2)
- Miscellaneous Meetings (2)
- Other meetings can take place of progress meetings as needed.

## B. 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 will prepare monthly progress reports and schedule updates. Estimated 18-month schedule for PER.

## C. Services to Be Performed by the County

When available, the COUNTY may provide project data including:

- Access for the CONSULTANT to utilize the COUNTY's Information Technology Resources.
- Any COUNTY agreements with Utility Agency Owner (UAO).
- Available traffic and planning data.
- Approved utility relocations.
- Available utilities information.
- Future development plans information.
- Other project related documents.
- Phase reviews of plans and engineering documents.

## TASK 2 PUBLIC INVOLVEMENT

Public involvement includes communicating to and receiving input from interested and affected persons, groups, business owners, and government organizations regarding the development of the project. The level of effort assumes the majority of meetings will be virtual.

### A. Public Involvement Plan (PIP) and Data Collection

The CONSULTANT will prepare a Public Involvement Plan (PIP) to describe the approach for engaging stakeholders to determine community needs and solicit input on proposed improvements. The PIP will be prepared the onset of the project and outline each element of the public involvement process.

The PIP will include:

- Project Background
- Project Goals
- Identification of Affected Communities
- Identification of Stakeholders
- Specific Outreach Activities

### B. Alternatives Public Meeting in PER Phase

The CONSULTANT will assist the County in conducting an Alternatives Public Meeting. It is anticipated that this meeting will occur after initial concepts and recommended alternatives are developed and approved by the County.

The Public Meeting will include:

- Agenda
- PowerPoint presentation
- Project handouts
- Exhibits
- Notification letters (By County)
- Press release and meeting announcements (By County)
- Response letters for County signature for public comments
- Staff briefing
- Participation
- Notes

The meeting format will be developed by the CONSULTANT and approved by the COUNTY. Virtual Meetings using GoToWebinar, MS Team Live Event, or other virtual/online platforms may be required in lieu of "in person" public meetings.

The CONSULTANT will participate in a debriefing meeting with the County staff related to the public meeting.

### C. Create Pages for County Website (By COUNTY)

### D. Kickoff Meeting

The CONSULTANT will attend a kick-off meeting to discuss the public involvement.

### E. Presentations and Coordination with the City of Tarpon Springs

The CONSULTANT will assist the County in conducting an Alternatives Meeting with the City of Tarpon Springs Commission.

The City meeting will include:

- PowerPoint Presentation

- Notification letters (By County)
- Press release and meeting announcements (By County)
- Participation
- Notes

### F. Presentations to Local MPOs and Associated Technical and Citizen Committees

The CONSULTANT will present the alternative concepts for the proposed improvements to the Forward Pinellas Bicycle Pedestrian Advisory Committee at a regularly scheduled meeting.

The meeting will include:

- PowerPoint Presentation
- Notification letters (By County)
- Press release and meeting announcements (By County)
- Participation
- Notes

### G. Other Stakeholder Meetings

The CONSULTANT will attend and participate in one (1) additional Stakeholder meeting.

The meeting format will be developed by the CONSULTANT and approved by the COUNTY. Virtual Meetings using GoToWebinar, MS Team Live Event, or other virtual/online platforms may be required in lieu of "in person" public meetings.

The Stakeholder meeting will include:

- PowerPoint Presentation
- Notification letters (By County)
- Press release and meeting announcements (By County)
- Participation
- Notes

### H. Public Involvement Documentation

The CONSULTANT will prepare Comments and Coordination Report which documents public involvement activities conducted and public comments received during the PER.

### I. Additional Public Involvement Requirements

The CONSULTANT will prepare additional general public correspondence. The COUNTY will prepare newsletters, fact sheets and their distribution.

## TASK 3 ENGINEERING ANALYSIS AND CONSIDERATIONS

The CONSULTANT will prepare a PER and 30% Plans for the preferred alternative. The PER will include Construction Phases 1, 2, 3, Brady Road and Brady Trail.

The CONSULTANT will perform engineering activities essential to developing and evaluating Project alternatives. The CONSULTANT will gather and review existing data from the COUNTY, City of Tarpon Springs, SWFWMD, and other agencies such as transportation planning data developed for long range plans, the Target Employment and Industrial Land Study for the Pinellas Community 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 conceptual design alternatives 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 and input received through the public involvement process.

The CONSULTANT will 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 approve a proposed design concept to advance to the Design Phase.

## A. Review of Previous Planning Studies

The CONSULTANT will 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.

## B. Existing Conditions Analysis

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, operational features, access features, right of way requirements, and other data applicable to modes of transportation, including pedestrians, bicyclists, public transit, paratransit and trucking.

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.

## C. Survey

CONSULTANT will perform survey tasks in accordance with applicable statutes, manuals, guidelines, standards, handbooks, procedures, and current design memoranda. PENNONI will submit all survey notes and computations to document the surveys. The field survey work will be recorded in approved media and submitted to the COUNTY. The field books will be certified by the surveyor in responsible charge of work being performed before the final product is submitted. The surveyor notes will include documentation of decisions reached from meetings, telephone conversations, or site visits. All like work (such as bench lines, reference points, etc.) will be recorded contiguously.

The CONSULTANT will conduct survey and mapping services for this Project as follows.

(a) <u>Mainline Topographic Survey and Limits:</u>

- Anclote Road approximate 2.4 miles, full right-of-way width, plus 10 feet beyond the right-of-way on each side.

- Detail of Anclote Road, Anclote Boulevard, and Osceola Street intersection. The survey will extent 100 feet in each direction at the intersections.
- Detail of Anclote Road and L & R Industrial Road intersection. The survey will extent 100 feet in each direction at the intersections.
- Detail of Anclote Road and Alt 19 intersection. The survey will extent 100 feet in each direction at the intersections.
- Detail of side street intersections, full right-of-way width, plus 10 feet beyond the right-of-way on each side. The survey will extent 50 feet in each direction at the intersections.
- Culvert crossing approximate 40 feet under Anclote Road.

(b) Side Street Topographic Survey and Limits

- Savannah Avenue approximate 0.25 miles, full right-of-way width, plus 10 feet beyond the right-of-way on each side from Anclote Road to Brady Road. The survey will extent 100 feet in each direction at the intersections.
- Center Avenue approximate 0.12 miles, full right-of-way width, plus 10 feet beyond the right-of-way on each side from Anclote to West Fulton Street. The survey will extent 100 feet in each direction at the intersections.
- Brady Road approximate 0.35 miles, full right-of-way width, plus 10 feet beyond the right-of-way on each side from Anclote Road to Work Release Center. The survey will extent 100 feet in each direction at the intersections.
- Brady Road Trail on the north side approximate 0.20 miles, plus 5 feet beyond edge of the trail from Work Force Center to L&R Industrial Road. The survey will extent 100 feet in each direction at the intersections.
- Fulton Street approximate 0.10 miles, full right-of-way width, plus 10 feet beyond the right-of-way on each side from Center Avenue to Highland Avenue. The survey will extent 100 feet in each direction at the intersections.
- Highland Avenue 0.18 miles, full right-of-way width, plus 10 feet beyond the right-of-way on each side from Anclote Road to Fulton Street. The survey will extent 100 feet in each direction at the intersections.

(c) Outfall Corridor Topographic Survey

- Outfall corridor No.1 approximate 800 linear feet, 50-foot-wide between Anclote Road, south to the bayou. Located at the 90-degree bend of Anclote Road, 700 +/- west of Savannah Avenue Wetland Jurisdictional Areas.
- Outfall corridor No.2 approximate 600 linear feet. Includes 50-foot-wide survey between Anclote Road and Oscar Hill Road and from Oscar Hill Road to Alt 19.

(d) Potential Pond Site Topographic Survey

- Survey for up to a 1-acre pond site for the project.

(e) Wetland Jurisdictional Lines

- Survey the location of wetland jurisdictional lines delineated for the project. Assumed up to 1,000 linear feet of wetlands for this proposal.
- Perform field location (2-dimensional) of jurisdiction limits as defined by respective authorities, also includes field edits, analysis, and processing of all field-collected data, preparation of reports. The CONSULTANT will mark the wetland/surface water limits.

(f) Geotechnical Boring Locations

- Survey the horizontal and vertical location of boring locations. Assumed up to 50 locations for this proposal.
- Perform 3-dimensional (X, Y, Z) field location, or stakeout, of boring/auger sites established by a geotechnical engineer. Includes field edits, analysis, and processing of field-collected data and/or reports.

(g) General Requirements

- Horizontal Project Network Control (HPNC): Establish or recover HPNC, for the purpose of establishing horizontal control on the Florida State Plane Coordinate System or datum approved by the County Surveying and Mapping Administrator; may include primary or secondary control points. Include analysis and processing of field-collected data, and preparation of forms. To be provided by COUNTY.
- Vertical Project Network Control (VPNC): Establish or recover VPNC, for the purpose of establishing vertical control on datum approved by the CSMA; may include primary or secondary vertical control points. Includes analysis and processing of all field-collected data, and preparation of forms.
- Survey Accuracy: Horizontal 95% 0.10' - 0.034 m and Vertical 95% 0.11'-0.034 m.
- Right of Way Survey: To be provided by COUNTY prior to NTP.
- Reference Points: Reference HPNC points, project alignment, vertical control points, section, ¼ section, center of section corners, and G.L.O. corners as required.
- Topography (2D): Locate above-ground features and improvements, including but not limited to pavement, curbs, fences, buildings, drainage and utility features, trees greater than 4" diameter at breast height, and significant plantings/planters.
- Digital Terrain Model (DTM): Locate all above-ground features and improvements for the limits of the project by collecting the required data for the purpose of creating a DTM with sufficient density. Shoot all break lines, high and low points. The effort includes field edits, analysis, and processing of all field-collected data, existing maps, and/or reports.
- Roadway Cross Sections/Profiles: Perform field survey check sections or profiles to verify the required accuracy of the digital terrain model and/or to determine existing cross slope. Includes analysis and processing of all field-collected data for comparison with DTM.
- Finished Floor Elevations: Survey finished floor elevations for low-lying areas or below the roadway surface. Estimated 65 structures.
- Outfall and Pond Survey: Locate above-ground features and improvements for the limits of the project by collecting the required data for the purpose of a DTM. Survey with a sufficient density of shots. Shoot all break lines, high and low points. Includes field edits, analysis, and processing of all field-collected data, existing maps, and/or reports.
- Drainage Survey: Includes top of lid/rim elevation, pipe sizes, materials, and inverts, interior structure dimensions, throat elevations and dimensions. Pinellas County will provide access to structures with large concrete lids. Consultant will coordinate with Pinellas County in a timely manner so access can be coordinated without impacting the project delivery date.
- Sanitary Survey: Includes top of lid/rim elevation, pipe sizes, materials, and inverts.

- Culvert Crossing Survey: Locate required above-ground features and improvements for the limits of the culvert crossing. Includes field edits, analysis, and processing of all field-collected data, existing maps, and/or reports.
- Sectional/Grant Survey: To be provided by COUNTY.
- Deliverables: Will consist of a single signed and sealed Topographic and Specific Purpose (Subsurface Utility and Jurisdictional Line) Survey, prepared in accordance with the current Pinellas County CADD Standards Manual for Survey and Civil Engineering. Civil 3D pipe networks will be created for all subsurface pipes. Drainage structures and pipes, as well as sanitary structures, will be identified on the survey with the Pinellas County Enterprise GIS Asset IDs when available.

## D. Geotechnical

The SUBCONSULTANT, Tierra will conduct geotechnical services associated with design activities related to this Project. The following geotechnical services will be performed:

(a) Auger Borings - Anclote Road from Anclote Boulevard to Alternate US 19:

- Perform a total of 13 hand auger borings (1 per 1,000 LF of Roadway) to a depth of approximately 5 feet to evaluate subsurface conditions along Anclote Road, Savannah Avenue and Center Avenue.
- Perform a total of 26 pavement cores, with base depth determination, to assist in the design and construction of improvements to Anclote Road between Wesley Avenue and Alternate US 19, Savannah Avenue and Center Avenue.
- Patch each cored location with asphalt cold patch upon completion.
- Perform two (2) Standard Penetration Test (SPT) borings to a depth of 40 feet below existing grades at the proposed culvert improvements east of Marina Drive. Based on access limitations, these borings will be completed with a combination of land based and barge mounted drilling equipment.
- Perform a total of two (2) hand auger borings to a depth of 5 feet below existing grades at the proposed stormwater management facility.

(b) Auger Borings and Pavement Corings – Brady Road

- Perform a total of three (3) hand auger borings (1 per 1,000 LF of Roadway) to a depth of approximately 5 feet to evaluate subsurface conditions.
- Perform a total of four (4) pavement cores to assist in the design and construction of improvements to Anclote Road.
- Patch each cored location with asphalt cold patch upon completion.

(c) Other

- The locations of the borings and pavement cores will be recorded on the field logs using a handheld GPS unit.
- Review published soils and topographic information. This published information will be obtained from the appropriate Florida Quadrangle Map published by the United States Geological Survey (USGS), as well as the Web Soil Survey of Hillsborough County, Florida, published by the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS).

- Visually classify the samples in the laboratory using the Unified Soil Classification System (USCS). Identify soil conditions at each boring location.
- Summarize geotechnical soils investigation, field data and subsurface conditions encountered in an engineering report.

## E. Traffic Analysis

The CONSULTANT will review existing traffic data from planning studies to carry out traffic analysis for this Project. The SUBCONSULTANT, Peggy Malone will collect some additional 8-hour and 72-hour traffic counts.

(a) Traffic Analysis Methodology

The CONSULTANT will develop the methodology that will be used to perform traffic analysis for the project. The Methodology will include an approach to evaluate safety performance of the alternatives.

The CONSULTANT will prepare a forecast and analysis methodology which will be agreed upon by the 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. Use appropriate traffic analysis software for this Project. A microscopic simulation approach is not anticipated.

The CONSULTANT will submit traffic analysis files for assumptions, inputs, outputs, network data, calculations, and results to the COUNTY.

(b) Data Collection

The CONSULTANT will collect data for the corridor. This activity consists of collecting information relative to engineering and traffic concerns. The information will include data necessary to perform an adequate evaluation of the corridor including:

- AADT, Truck Traffic, Posted Speeds, Peak Values (K Factors), Direction Split (D Values).
- Pedestrian, ADA and sidewalk needs and connectivity.
- Transit facilities and connectivity to multimodal facilities.
- Existing bicycle facilities and needs.
- Upcoming local or state projects which could impact the recommended improvements.

The CONSULTANT will review and document existing conditions.

(c) Traffic Counts

Following the procedure in Chapter 4 of the MUTS, the SUBCONSULTANT, and Adams Traffic will collect 72-hour traffic machine counts (bidirectional) at 15-minute increments with hourly totals, at the following locations:

- Anclote Road between Anclote Boulevard and Wesley Avenue
- Anclote Road between Wesley Avenue and L& R Industrial Road
- Anclote Road between L& R Industrial Road and Alternate US 19

Typically, portable machine counts will be collected on a weekday starting at midnight, on a Tuesday, Wednesday, or Thursday unless otherwise directed by the COUNTY Project Manager.

Based on an analysis of the 72-hour machine counts, and evaluation of current and future development trends (traffic generators), the CONSULTANT will determine the hours for manual vehicle turning movement counts (a.m. peak and p.m. peak).

The SUBCONSULTANT, Adams Traffic will collect 8-hour manual turning movement counts, at 15-minute increments with hourly totals. Typically, turning movement counts will be collected on a weekday on a Tuesday, Wednesday, or Thursday having fair weather. Manual turning movements will include pedestrians, bicyclists and heavy vehicles.

Traffic turning movement counts will be taken at the following intersections:

- Anclote Road at Anclote Boulevard
- Anclote Road at L& R Industrial Road
- Anclote Road at Alternate US 19

(d) Pre versus Post COVID adjustment

The CONSULTANT will review the data collected as a part of this task against previously collected data (Pre-COVID-19) and make a recommendation to the COUNTY as to the data to be used for the analysis.

(e) Pedestrian, Bicycle, and Other Multimodal Data

The CONSULTANT will conduct manual pedestrian and bicycle counts at the locations of the vehicle turning movement counts. The pedestrian and bicyclist counts will be conducted simultaneously with the manual turning movement counts by 15-minute increments. Days for the counts will be agreed upon in advance by the CONSULTANT and the COUNTY.

(f) No Build Analysis

The CONSULTANT will utilize SYNCHRO to analyze the operational performance of the No Build Alternative for the analysis years to identify deficiencies related to the purpose and need for the project. The CONSULTANT will evaluate the operational effectiveness of the No Build Alternative using agreed upon performance measures of effectiveness (MOEs). The analysis will include multimodal evaluation for pedestrian, bicycle, freight, and transit modes, as appropriate.

(g) Development and Screening of Alternatives

The CONSULTANT will identify, develop, assess, and screen preliminary potential Project alternatives that would meet the purpose and need for this Project. Development of alternatives will consider previously completed planning products.

The following alternatives will be screened and evaluated:

- No Build
- Rural typical section with sidewalk and multi-use path
- Urban typical section with sidewalk and multi-use path

Roundabout evaluations will be conducted for the following intersection:

- Anclote Road and Anclote Boulevard

The CONSULTANT will present to COUNTY staff its preliminary findings from the data collection and traffic studies at a preliminary findings and alternatives meeting.

## F. Safety

(a) Crash Data

The CONSULTANT will obtain crash data for the most recent three (3) years where data is available. The CONSULTANT will summarize the data by year in tabular form including the following:

Number of crashes – type, location, etc.

- Number of fatalities
- Number of injuries
- Property damage – cost (if available)
- Economic loss – cost (if available)

(b) Safety Analysis

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.

(c) Documentation of Safety Analysis

The CONSULTANT will document the results of the safety analysis in the Project Traffic Analysis Report.

## G. Utilities Coordination

The CONSULTANT will obtain information regarding existing and proposed utilities within the project limits.

(a) Preliminary Utilities Coordination

The CONSULTANT will provide preliminary utility coordination for the PER Phase that will include:

- This utilities coordination for the PER will be limited to 3 main utilities as selected by the COUNTY. The remaining utilities will be included with the final design phase.
- Identify existing utilities and coordinating any new installations including the 20-inch watermain within the project limits. There are 16 existing utilities within the Anclote Road project limits.
- Communicate with the City of Tarpon Spring about a potential future reclaimed dry line.
- The COUNTY will send out the plans to the utility companies for their markups and utility information.

The CONSULTANT will request a Sunshine One Call design ticket, determine the list of Public and Private Utilities within the project area, and identify general locations to assist in determining impacts during the preliminary design and engineering study.

## H. Roadway Analysis

(a) Design Controls and Criteria

The CONSULTANT will prepare design controls and criteria for developing Project alternatives and designing initial geometrics and other roadway elements.

(b) Typical Section Analysis and Evaluation

The CONSULTANT will develop two (2) conceptual typical sections for the Project alternatives which address transportation needs and context. Development of typical sections will consider Context Sensitive Solutions and Complete Streets approaches and the needs of Project users. The CONSULTANT will perform a preliminary right of way cost estimate based on the typical sections.

(c) 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 review and consider horizontal alignment and vertical profiles for the alternatives. The design of Project alternatives will consider environmental constraints, physical constraints, Context Sensitive Solutions, Complete Streets, speed management, and any additional information, as required.

(d) Intersections Evaluation

The CONSULTANT will propose appropriate intersection control based on the results of project traffic analysis to establish the overall roadway footprint: The CONSULTANT will consider alternate intersections types where appropriate.

The CONSULTANT will perform a roundabout evaluation at the intersections listed below. The roundabout evaluation will include evaluation of operation and geometrics with respect to safety, design year traffic, access management, physical and right of way constraints, design vehicle, posted speed limit, school buses, and transit operations.

Roundabout evaluations will be conducted for the following intersections:

- Anclote Road and Anclote Boulevard

The CONSULTANT will develop intersection concepts/layouts based on the results of traffic operational analysis. The layouts will include turn lanes, auxiliary lanes, storage lengths, and other geometric details. The CONSULTANT will document the intersection evaluations in a Technical Memorandum. The evaluation will include a level of safety service to identify the best risk value for treatments for crashes, fatalities, and severe injuries for road users.

(e) Multimodal Accommodations

The CONSULTANT will review, evaluate, and document the location and condition of existing pedestrian, bicycle, and public transit accommodations and commercial trucking services within the study limits. 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 commercial trucking, 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.

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. This includes connections to Tarpon Springs Work Release Center, Coastal Anclote Trail and Elfer Trail. The CONSULTANT will assist the COUNTY with coordination with local agencies, transit operators and Forward Pinellas as appropriate.

(f) Maintenance of Traffic

The CONSULTANT will evaluate alternatives for constructability and the ability to maintain traffic during construction.

(g) Lighting

The CONSULTANT will coordinate with Duke Energy to obtain a preliminary analysis of lighting for safety with special emphasis at mid-block crossings, intersections, roundabouts, and the estimated cost for lighting in the construction cost estimate for the Project alternative.

(h) Identify Construction Segments

The CONSULTANT will review project construction staging and construction sequencing.

(i) Culvert Crossing Evaluation

The CONSULTANT will review the existing culvert crossing, development culvert crossing typical sections and alternatives.

## I. Drainage

The SUBCONSULTANT Cardno will perform Drainage analysis for the Project Alternatives. The CONSULTANT will incorporate/consider the other related report findings into the PER including studying County-provided records of previous drainage complaints, previous drainage analysis completed by Cardno along Anclote Road, current continuing drainage problems, records of past County field visits, attempted field remedies, and other investigations of local drainage concerns. The CONSULTANT will adhere to requirements in the COUNTY'S Stormwater Manual as it relates to this Project. The drainage will be evaluated for Anclote Road, Savannah Avenue, Center Avenue and other affected areas along the project corridor including the three existing outfalls.

(a) 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. In addition, Pinellas County currently has an Anclote River watershed management plan (WMP) study in development. The CONSULTANT will coordinate with the COUNTY regarding the WMP and available information.

(b) Drainage Analysis

The CONSULTANT will perform drainage analysis by delineating the basin boundaries by using LiDAR information, ERPs, existing survey data, field observations and other data sources. The CONSULTANT will analyze and determine high water elevations in each basin and use the information for roadway profiles and pavement design.

Drainage analysis will also include checking the capacity of major storm drains and identifying the recommended conceptual drainage design for the Project. This will include the culvert replacement located 420 feet east of Marina Drive.

(c) 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 Conceptual Drainage Design Documentation.

(d) Stormwater Management Analysis

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

The CONSULTANT will schedule an Environmental Look-Around (ELA) meeting with COUNTY staff, regulatory agencies, local governments, and other stakeholders to discuss regional stormwater needs and design and permitting approaches that benefit the watershed as a whole. During the meeting, the CONSULTANT will document the meeting notes in the project file.

If the ELA reveals no regional stormwater sites within the Study Area, the CONSULTANT will identify practical stormwater sites for each project alternative, estimate construction cost, compare the sites, and identify (in coordination with the COUNTY) a preferred stormwater site. Additionally, the CONSULTANT will identify inflow or outfall easement requirements for each stormwater site. If additional sites are revealed, they will be used as a potential option. Equivalent attenuation and treatment methods will also be used to satisfy permitting requirements if feasible.

(e) Drainage Design

The CONSULTANT will prepare the preliminary drainage design layouts for the different typical section alternatives.

(f) Drainage Map Hydrology

Delineate preliminary drainage basin boundaries to be used in defining the system hydrology. Basin delineation will incorporate existing survey and/or LiDAR and will be supplemented, as necessary, with other appropriate data sources (such as permitted site plans) and field observations.

(g) Sea Level Rise Analysis

Perform a sea level rise impact analysis for proposed project improvements.

(h) Conceptual Drainage Design

Prepare a conceptual drainage design for approved alternative. The required services include the establishment of locations for outfalls and for a conceptual design of stormwater treatment and attenuation which will comply with rules of the Department of Environmental Regulation, and the Southwest Florida Water Management District. The CONSULTANT will supply data and reports required to support the conceptual design. Best Management Practices (BMPs) including low impact development (LID), green infrastructure will be incorporated to improve flooding level of service and water quality.

(i) Stormwater Ponds

Attend meetings with permitting agencies, complete preliminary pond drainage analysis, preliminary pond conceptual design, preliminary construction cost estimate, preliminary right-of-way cost estimate, prepare conceptual plans, prepare 30% pond plans, prepare engineering analysis documentation, prepare natural resources evaluation and include pond information in the PER report.

The following plans and elements will be included:

- Pond Typical Section
- Pond Plan Sheet
- Pond Cross-sections

## J. Construction and Right of Way Cost Estimates

The CONSULTANT will prepare preliminary Construction and Right of Way Cost Estimates for Construction Phases 1, 2, 3, Phase 1 stormwater pond, Brady Road and Brady Road Trail.

(a) Construction Cost Estimates

The CONSULTANT will prepare preliminary probable construction cost estimates for each alternative, total overall construction costs and update the probable construction cost estimates for the draft and final PER submittals.

(b) Preliminary Right of Way Cost Estimates

Based on typical section analysis, 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 the location of 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 coordinate with the COUNTY's Real Estate staff 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.

The CONSULTANT will jointly meet with the COUNTY staff prior to the development of right of way cost estimates. The purpose of the meeting is to jointly review the proposed design parameters, the proposed alternative alignments to identify those alternatives for which right of way cost estimates will be developed by the CONSULTANT. The goal is to evaluate the alternatives necessary to comply with PER requirements and to satisfy the evaluation needed for eminent domain considerations for each alternative.

## K. Alternatives Evaluation

(a) Comparative Alternatives Evaluation

The CONSULTANT will establish evaluation criteria for 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 for the PER. The matrix will include the performance of the No Build Alternative as the baseline for comparison.

The following alternatives will be screened and evaluated:

- Alternative 1: No Build
- Alternative 2: Typical section with sidewalk and multi-use path
- Alternative 3: Typical section with bike lanes and sidewalks

For any property identified for acquisition, produce the Five Factors to determine Reasonable Necessity:

- Alternative Alignments
- Costs
- Safety
- Environmental Impacts
- Long Range Planning

(b) Selection of Recommended Alternative

The COUNTY will select a recommended alternative based on review and analysis of engineering, environmental, and public involvement issues related to this Project.

## L. Concept Plans for Alternatives

The CONSULTANT will prepare concept plans for viable Project alternatives at appropriate scales.

For each alternative, the following plans and elements will be included:

- Key Sheet
- Existing Drainage Map
- Typical Section(s) Sheets
- Plan Sheets
  - Topographic Survey
  - Existing Right-of-Way
  - Existing Drainage
  - Existing Utilities
  - Major Intersections
  - Roadway Geometry
  - Conceptual Drainage Layout
- Cross-section Sheets
  - Critical locations only

The CONSULTANT will prepare the typical sections for the alternatives.

The CONSULTANT will identify design exceptions and variations that may be required for the alternatives.

The COUNTY will review the Conceptual Plans and select a preferred alternative.

## M. 15% Line and Grade for Preferred Alternative

The CONSULTANT will prepare 15% Line and Grade for the preferred alternative.

The following plans and elements will be included:

- North Arrow and Scale
- Topographic Survey
- Existing Utilities
- Mainline Geometry of Roadway
- Street Names
- Existing Right of Way
- Proposed Right of Way Anticipated
- Business and Landmark Labels
- Limits of Construction
- Major Intersection Configuration
- Survey or Aerial background
- Typical Section(s) and Critical Section(s)
- Preliminary Pavement Design
- Identify Major Drainage Structures
- Profile View including Existing and Proposed Profiles, DHW Elevations, Major Cross Drains and SHW.

The preferred alternative selected by the County will be presented at an Alternatives Public Meeting as described in Task 2. The CONSULTANT will finalize the preferred alternative concept plan by incorporating applicable comments received from the Public and agreed to by the County.

### N. 30% Plans for Preferred Alternative

The CONSULTANT will prepare 30% for the preferred alternative.

The following plans and elements will be included:

- Preliminary Key Sheet
- Preliminary Drainage Map
- Preliminary Typical Section
- Preliminary Project Layout Sheet
- Preliminary Plan and Profile Sheets
- Preliminary Intersection Layout/Detail Sheet
- Preliminary Cross Sections (every 100-feet that also includes critical slopes > 10%)
- Conceptual TTCP (preliminary phasing)

Separate 30% Plans will be developed for:

- Construction Phase 1
- Construction Phase 2
- Construction Phase 3
- Brady Road
- Brady Road Trail

### O. ENGINEERING ANALYSIS DOCUMENTATION

The CONSULTANT will include the preliminary engineering documentation in the PER.

The CONSULTANT will include back up information and parameters used in the analyses to facilitate the review of the engineering documentation. The engineering documentation will be neatly and logically presented.

## TASK 4 ENVIRONMENTAL ANALYSIS AND REPORTS

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

### A. Land Use Changes

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

### B. Mobility

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

### C. Cultural Resources (Optional Services)

The SUBCONSULTANT, SEARCH will identify and analyze impacts to archaeological sites and historic resources within the Project's Area of Potential Effects (APE). The APE will be defined as the existing/proposed right-of-way within the project limits. In areas where additional right-of-way will be acquired, this APE will be expanded to include adjacent parcels. The SUBCONSULTANT will perform a Cultural Resources

Assessment Survey (CRAS), including archaeological and architectural history fieldwork, that will be documented and coordinated with appropriate agencies.

The SUBCONSULTANT will prepare a Phase I CRAS report that meets the guidelines of Part 2, Chapter 8 of the FDOT PD&E Manual (revised January 2019) and Chapter 1A-46 of the Florida Administrative Code. The field methods will follow the recommendations presented in Chapter 3 (Site Identification) of the FDOT Cultural Resource Management Handbook and Section 2 (Cultural Resource Assessment Surveys) of the FDHR's Cultural Resource Management Standards & Operations Manual. The SUBCONSULTANT will review and address any resource issues or comments by the State Historic Preservation Officer (SHPO). Should additional fieldwork or documentation (Phase II Site Assessment, Determination of Eligibility, Section 106 Case Report, etc.) be requested by the SHPO or other agency subsequent to the review of the Phase I CRAS results, such work will require a contract amendment.

## D. Natural Resources

The SUBCONSULTANT Earth Resources will collect and analyze the following environmental data and prepare an Environmental Document (Technical Memorandum) for inclusion in the PER. A rural and an urban typical with sidewalk and trail will be reviewed.

The following environmental data will be collected and analyzed for up to two design alternatives.

(a) Preliminary Project Research

This process consists of obtaining permit-related information about existing roadway, wetland, or stormwater sites which may require modification. Earth Resources will coordinate with U.S. Army Corps of Engineers (USACE) and the Southwest Florida Water Management District (SWFWMD) for pre-application meetings to discuss wetland impacts, mitigation requirements and design and permitting considerations for each alternative. The results of this coordination will be documented for use during the design.

Research regarding state owned lands near/under the bridge will be conducted. Data including existing leases/easements, the potential need for modification of existing or need for new authorization will be summarized to determine what efforts will be needed during the design and permitting phase.

(b) Wetland Jurisdictional Lines and Assessments

- Determination of landward extent of wetlands and other surface waters as defined in Rule Chapter 62-340, F.A.C. as ratified in Section 373.4211, F.S. and the USACE Interim Regional Supplement to the Wetland Delineation Manual.
- Obtain information concerning each wetland including, but not limited to: floral species, faunal species, amount, and types of previous disturbance.
- Classify wetlands utilizing U.S. Fish & Wildlife Service's (USFWS) "Classification of Wetlands and Deep-Water Habitats of the United States, 1979"and Florida Land Use cover and Forms Classification System (FLUCCS).
- Evaluate wetland encroachments (qualitative not quantitative comparison).
- Obtain information to generally describe the project area and within the proposed right-of-way limits including common and scientific names for dominant and/or representative species.

(c) Wildlife Assessment

Wildlife observed in field will be noted as well as what species might be expected to be found based on habitat type, etc. Scientists will identify any "critical habitat" as defined by the USFWS, as well as informally survey the alternatives for federally and state designated endangered and threatened species, individuals, , or other positive indications (nests, burrows, droppings, etc.) of their presence.

(d) Environmental Document

The information gathered will be summarized for inclusion in the Environmental Document (Technical Memorandum) for inclusion on the PER. Items included in this document will include:

- Aerial maps showing the location of jurisdictional wetlands and surface waters.
- Classification of all wetlands according to the USFWS classification system and FLUCCS.
- Evaluation of effects upon wetland values, hydrology, water quality, sedimentation and erosion, vegetation, etc.
- Qualitative comparison of wetland impacts by alternates.
- Summary of practicable minimization measures (bridging of wetland areas, selective clearing and grubbing, retention walls, etc.).
- Evaluation of mitigation options including banks.
- A preliminary UMAM analysis will be prepared for all wetlands surface waters.
- Summary of coordination efforts with the USFWS, FFWCC, SWFWMD, USACE, concerning mitigation to offset adverse impacts.
- Protected Species and Habitat Impact Analysis. Evaluation of endangered species, impacts, such as destruction or isolation of habitat, displacement, or degradation of food resources, etc.
- Identification of protected species habitat impact minimization measures, such as avoiding construction during the nesting season, relocating endangered individuals, design modifications, etc.
- Permitting considerations/requirements, mitigation alternatives/costs and impacts per alternative.
- Evaluation of Essential Fish Habitat (EFH) per National Marine Fisheries Service (NMFS) criteria (desktop mapping/research effort).

A Draft Environmental Document will be submitted for review by the County. Comments will be addressed, and a Final Environmental Document (Technical Memorandum) will be prepared.

Environmental staff will meet with the project team, Pinellas County, SWFWMD, FDEP, and USACE for coordination and project execution.

Assumptions:

- On or off-site mitigation design and permitting is not included in this scope of services.
- Wetland mitigation bank fees are not included in the cost estimate.
- Permit application fees are not included in the cost estimate.
- Protected species formal surveys or permitting is not included in this scope of work.
- SSL coordination/permitting/authorization not included in this scope of work.

(e) Contamination

The SUBCONSULTANT, Tierra will gather data, review data, and investigate contamination issues within the limits of the project and identify potentially contaminated sites.

The SUBCONSULTANT will document data reviewed, findings, risk rating of potential contamination sites, and recommendation for additional assessment actions in the Contamination Screening Evaluation Report.

- Conduct a site reconnaissance of the project corridor. Evaluate the existing/proposed right of way and each potential right-of-way acquisition parcel for contamination risk and rate sites in accordance with the FDOT Contamination Risk Evaluation system. Identify parcels or sites within 500 feet that are considered to be potential sources of contamination.
- Document site-specific data for those parcels or sites that currently are, or may have previously been, involved in activities where hazardous or petroleum-related materials/substances/wastes may have adversely impacted the property.
- Review and analyze historical and current aerial photographs, maps and land use information for the potential for previous practices or activities that may have involved hazardous materials or waste that could impact the proposed project.
- Conduct a computerized database search of agency-maintained records for known releases or storage systems of hazardous materials, substances or wastes and petroleum-related constituents maintained by the United States Environmental Protection Agency and the Florida Department of Environmental Protection. One example is the adjacent Stauffer Chemical superfund site.
- Evaluate hydrogeologic features for potential contaminant migration pathways. Document existing monitoring wells along the corridor that may be associated with contaminated sites.
- Prepare a Contamination Technical Memorandum that documents the research, analysis and recommendations, and how these influence constructions of the project.

## TASK 5 PRELIMINARY ENGINEERING REPORT DOCUMENT

The CONSULTANT will prepare the PER and preferred alternative 30% Plans for:

- Construction Phase 1
- Construction Phase 2
- Construction Phase 3
- Brady Road
- Brady Road Trail

The PER will contain the findings for the elements discussed in the Scope of Services including County review and revisions.

## TASK 6 UTILITY DESIGNATION

The SUBCONSULTANT, ECHO will perform subsurface utility engineering (SUE) designation for the project at approximately 1,000-foot intervals along Anclote Road and approximately 300 to 500-foot intervals along Brady Street, Savannah Avenue and Center Avenue. They will designate 10 utilities along Anclote Road from Alternate US 19 to Wesley Avenue and 3 utilities along the other locations. The remaining utility designations and test holes will be completed during the final design phase.

### A. Utility Designation

The SUBCONSULTANT will horizontally locate existing, toneable and non-toneable, underground utilities as specified above limits using a combination of field investigative techniques/technology, surface geophysical instruments and ground penetrating radar.

## TASK 7 OPTIONAL SERVICES

Optional Services will be rendered by the CONSULTANT only upon written authorization by the COUNTY. Optional Services includes the Cultural Resources upon written authorization by the COUNTY.

## TASK 8 CONTINGENCY SERVICES

When authorized in writing by the COUNTY, the CONSULTANT will furnish services resulting from unforeseen circumstances not anticipated under Basic Services due to minor changes in the PROJECT scope. The services will not exceed the of amount of $50,000.

## TASK 9 ADDITIONAL SERVICES

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

# V. COMPENSATION

CONSULTANT'S services will commence upon receipt of written notice to proceed issued by COUNTY. For the above-described SCOPE OF SERVICES, the COUNTY will compensate the ENGINEER as detailed below.

| Task Description | Fee Estimate | Fee Type |
|---|---|---|
| Task 1 Project Requirements | $46,886.12 | LS |
| Task 2 Public Involvement | $57,558.88 | T&M |
| Task 3 Engineering Analysis and Considerations | $556,149.51 | LS |
| Task 4 Environmental Analysis and Reports | $46,048.87 | LS |
| Task 5 Preliminary Engineering Report Document | $24,000.75 | LS |
| Task 6 Utility Designation | $27,248.60 | LS |
| Subtotal | $757,892.73 | |
| | | |
| Task 7 Optional Services | | |
| -Cultural Resources (Pennoni) | $2,276.89 | LS |
| -Cultural Resources (SEARCH) | $38,405.76 | LS |
| Subtotal | $40,682.65 | |
| | | |
| Task 8 – Contingency Services | $50,000.00 | LS |
| Grand Total | $848,575.38 | |

LS – Lump Sum, T&M – Time and Material

Final Design is not included in this scope of services. Upon completion of PER and 30% Plans for the preferred alternative, the County will decide whether to proceed to final design for Construction Phases 1, 2, 3, Brady Road and Brady Road Trail.

It will be determined by the COUNTY what phases of the project will be built or will not be built. If the COUNTY determined that the project will not be built, the consultant services will be considered completed and the project closed. No further charges will be made to the project at that time.

The project design will be developed using Pinellas County Kit for AutoCAD Civil 3D software and utilizing Pinellas County current CADD standards for Survey and Civil Engineering.

## VI. SCHEDULE

Within ten (10) days after the Notice to Proceed, CONSULTANT will submit to the COUNTY a project schedule showing milestones and deadlines. Periodically, throughout the life of the project, the schedule may be reviewed and adjusted as necessary to incorporate progress to date.

CONSULTANT'S services will commence upon receipt of written notice to proceed issued by the COUNTY. The CONSULTANT will complete the project tasks in accordance with the following schedule:

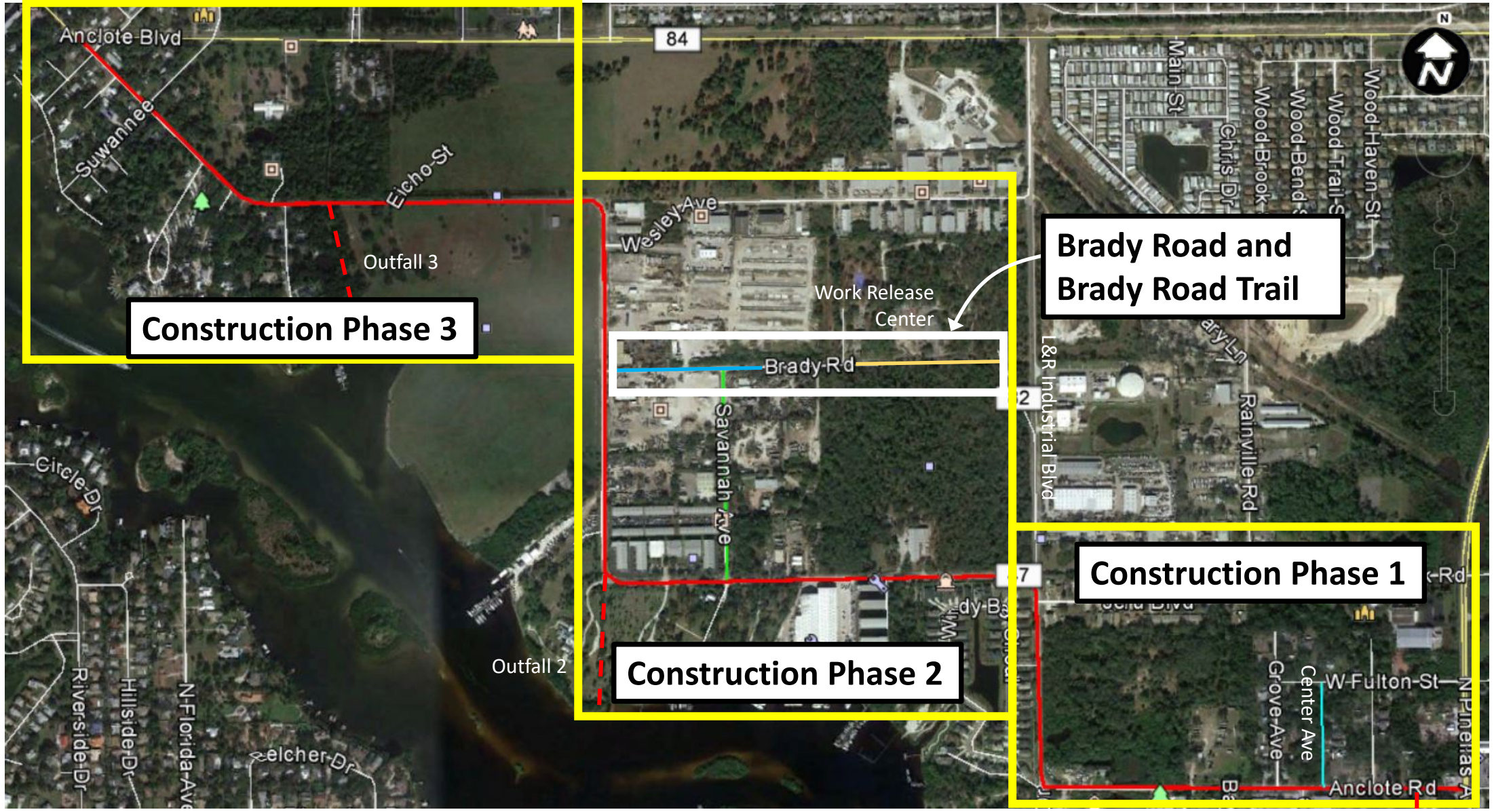
| Milestones | Schedule Duration |
|---|---|
| PER Alternatives and Layouts | 365 Calendar Days |
| Selection of Preferred Alternative | 445 Calendar Days |
| Draft PER & 30% Plans for Preferred Alternative | 505 Calendar Days |
| Finalize PER & 30% Plans for Preferred Alternative | 550 Calendar Days |

The schedule assumes thirty-five (35) calendar days for COUNTY PPT and QA/QC review at each phase. Any other delays beyond CONSULTANT'S control will be documented in writing by CONSULTANT and submitted to COUNTY for consideration to grant a schedule time extension.

CONSULTANT will respond to the COUNTY'S PPT and QA/QC design review comments in writing and by making corresponding revisions within twenty (20) calendar days from the time comments are received.

END OF SCOPE

# Construction Phases Approximate Limits



# ESTIMATE OF WORK EFFORT AND COST (PENNONI)

Name of Project: Anclote Road Improvements (PER)
Client: Pinellas County

Consultant Name: Pennoni
Date: 7/22/2021

| Project Task | Total Staff Hours From "SH Summary - Firm" | Project Manager 2 | Senior Engineer | Engineer 2 | Engineer 1 | Chief Designer | Designer | Engineering Intern | | | | | Hours By Activity | Fee Cost By Activity | Average Rate Per Task |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $220.00 | $220.00 | $184.00 | $138.00 | $165.00 | $135.00 | $103.00 | | | | | | | |
| Task 1 Project Requirements | 239 | 23.90 | 11.95 | 54.97 | 52.58 | 59.75 | 23.90 | 11.95 | | | | | 239.00 | $39,573.62 | $166 |
| Task 2 Public Involvement | 256 | 25.60 | 12.80 | 58.88 | 56.32 | 64.00 | 25.60 | 12.80 | | | | | 256.00 | $42,388.48 | $166 |
| Task 3 Eng Analysis & Considerations | 1,849 | 147.92 | 92.45 | 277.35 | 425.27 | 462.25 | 351.31 | 92.45 | | | | | 1,849.00 | $295,821.51 | $160 |
| Task 4 Environmental Analysis & Reports | 38 | 3.80 | 0.00 | 9.50 | 19.00 | 5.70 | 0.00 | 0.00 | | | | | 38.00 | $6,146.50 | $162 |
| Task 5 Prel Engineering Report Document | 105 | 10.50 | 5.25 | 26.25 | 26.25 | 21.00 | 10.50 | 5.25 | | | | | 105.00 | $17,340.75 | $165 |
| Task 6 Utility Designation | 8 | 0.80 | 0.00 | 6.00 | 1.20 | 0.00 | 0.00 | 0.00 | | | | | 8.00 | $1,445.60 | $181 |
| **Total Staff Hours** | 2,495 | 212.52 | 122.45 | 432.95 | 580.62 | 612.70 | 411.31 | 122.45 | | | | | 2,495.00 | | |
| **Total Staff Cost** | | $46,754.40 | $26,939.00 | $79,662.80 | $80,125.56 | $101,095.50 | $55,526.85 | $12,612.35 | | | | | | **$402,716.46** | **$161** |

**SUBCONSULTANTS (BASIC SERVICES)**

| | |
|---|---|
| Cardno | $110,844.45 |
| Valerin | $15,170.40 |
| Tierra | $61,596.29 |
| Adams Traffic | $4,574.13 |
| Earth Resources | $27,738.00 |
| ECHO | $25,803.00 |
| **TOTAL** | **$245,726.27** |

**SUBCONSULTANTS (OPTIONAL SERVICES)**

| | |
|---|---|
| SEARCH | $38,405.76 |
| **TOTAL** | **$38,405.76** |

| **SUBCONSULTANTS (SBE BASIC SERVICES)** | | **% SBE** |
|---|---|---|
| Valerin | $15,170.40 | 2.0% |
| Tierra | $61,596.29 | 8.1% |
| Adams Traffic | $4,574.13 | 0.6% |
| Earth Resources | $27,738.00 | 3.7% |
| ECHO | $25,803.00 | 3.4% |
| **TOTAL** | **$134,881.82** | **17.8%** |

**BASIC SERVICES**

| | |
|---|---|
| Task 1 Project Requirements | $39,573.62 |
| -Cardno Subconsultant | $7,312.50 |
| | $46,886.12 |
| Task 2 Public Involvement | $42,388.48 |
| -Public Involvement Valerin Subconsultant | $15,170.40 |
| | $57,558.88 |
| Task 3 Eng Analysis & Considerations | $295,821.51 |
| -Cardno Subconsultant | $96,871.95 |
| -Topographic Survey | $109,450.00 |
| -Geotechnical (Parts 1,2,3) Tierra Subconsultant: | $49,431.92 |
| -Traffic Counts Adams Traffic Subconsultant | $4,574.13 |
| | $556,149.51 |
| Task 4 Environmental Analysis & Reports | $6,146.50 |
| -Contamination Tierra Subconsultant | $12,164.37 |
| -Ecological Earth Resources Subconsultant | $27,738.00 |
| | $46,048.87 |
| Task 5 Prel Engineering Report Document | $17,340.75 |
| -Cardno Subconsultant | $6,660.00 |
| | $24,000.75 |
| Task 6 Utility Designation | $1,445.60 |
| -Utility Designation ECHO Subconsultant | $25,803.00 |
| | $27,248.60 |
| **BASIC SERVICES TOTAL ESTIMATED FEE:** | **$757,892.73** |
| Task 7 - Optional Services | |
| -Cultural Resources Pennoni | $2,276.89 |
| -Cultural Resources SEARCH Subconsultant | $38,405.76 |
| | $40,682.65 |
| **OPTIONAL SERVICES TOTAL ESTIMATED FEE:** | **$40,682.65** |
| Task 8 - Contingency Services | $50,000.00 |
| **CONTINGENCY SERVICES TOTAL ESTIMATED FEE:** | **$50,000.00** |
| **GRAND TOTAL ESTIMATED FEE:** | **$848,575.38** |

# Task 1 Project Requirements

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| **A** | **Technical Meetings and Other** | | | | | |
| | Schedule | EA | 1 | 4 | 4 | Prepare and develop PER internal schedule |
| | Meetings and Presentations | EA | 1 | 139 | 139 | see table below |
| | | | | **Subtotal** | **139** | |
| **B** | **Contract Management** | EA | 1 | 100 | 100 | 20 hrs initial setup + 4 hrs/mo x18 mo for progress reports and file maintenance (PER) + pond |
| | | | | **Subtotal** | **239** | |
| | | | | **QC** | **4** | |
| | **Quality Assurance / Quality Control** | LS | % | 5% | 0 | |
| | | | | **TOTAL HOURS** | **239** | |

| Meetings | | Units | No of Units | Hours/ Unit | Total Hours | Comments |
|---|---|---|---|---|---|---|
| Kick-Off | Kick Off | EA | 1 | 6 | 6 | 2 staff x 3hrs (Teams meeting), agenda and meeting notes |
| Roadway | Typical Section, Concepts and Alternatives | EA | 2 | 6 | 12 | 2 staff x 3hrs (Teams meeting) |
| | Access Management | EA | 1 | 0 | 0 | |
| | Concepts | EA | 1 | 0 | 0 | |
| Drainage | Linear and Offsite Pond Systems | EA | 2 | 3 | 6 | 1 staff x 3hrs (Teams meeting) (includes pond) |
| | Drainage for Roadway/Culvert | EA | 1 | 3 | 3 | 1 staff x 3hrs (Teams meeting) |
| | Agency | EA | 0 | 0 | 0 | By County with other agencies |
| Structures | Structures for Culvert Crossing and Walls | EA | 1 | 3 | 3 | 1 staff x 3hrs (Teams meeting) |
| | WMD | EA | 2 | 3 | 6 | 1 staff x 3hrs (Teams meeting) (includes pond) |
| | NMFS | EA | 1 | 0 | 0 | |
| | USACE | EA | 1 | 6 | 6 | 2 staff x 3hrs (Teams meeting) |
| | USCG | EA | 1 | 0 | 0 | |
| | USFWS | EA | 1 | 0 | 0 | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| Env / Other | NPS | EA | 1 | 0 | 0 | |
| | SHPO | EA | 1 | 0 | 0 | |
| | USFS | EA | 1 | 0 | 0 | |
| | FFWCC | EA | 1 | 0 | 0 | |
| | USDA & NRCS | EA | 1 | 0 | 0 | |
| | USDOI | EA | 1 | 0 | 0 | |
| | FDOT | EA | 1 | 6 | 6 | 2 staff x 3hrs (Teams meeting) |
| | Cultural Resources Coordination | EA | 1 | 0 | 0 | Optional Services |
| | FDEP | EA | 1 | 0 | 0 | |
| | Environmental | EA | 1 | 0 | 0 | Discussed with phase review meetings |
| | Right-of-Way | EA | 1 | 3 | 3 | 1 staff x 3hrs (Teams meeting) |
| | Other | EA | 1 | 0 | 0 | |
| Traffic | Traffic Methodology | EA | 1 | 0 | 0 | |
| | Traffic Design | EA | 1 | 0 | 0 | |
| | Traffic Analysis including Multimodal | EA | 1 | 6 | 6 | 2 staff x 3hrs (Teams meeting) |
| Utilities and Railroad | UAO & DUO | EA | 1 | 6 | 6 | 2 staff x 3hrs (Teams meeting) |
| | Railroad Office | EA | 1 | 0 | 0 | |
| Tolls | Tolls | EA | 1 | 0 | 0 | |
| PM / EMO | Local Governments (cities, counties, MPO) | EA | 2 | 6 | 12 | 2 staff x 3hrs (Teams meeting) |
| | **Subtotal Technical Meetings** | | | | **75** | |
| | Progress Meetings | EA | 5 | 6 | 30 | 2 staff x 3hrs (Teams meetings) |
| | PER Phase Review Meetings | EA | 2 | 9 | 18 | PER Review meetings 3 staff x 3 hrs |
| | Misc. Review Meetings | EA | 2 | 8 | 16 | 2 staff x 4hrs |
| | **Total Meetings** | | | | **139** | |

# Task 2 Public Involvement



| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| A | **Public Involvement** | | | | | |
| | Public Involvement Plan (PIP) | EA | 1 | 12 | 12 | Prepare Public Involvement Plan |
| | Public Involvement Data Collection (incl. site selection) | EA | 1 | 12 | 12 | Task by Pennoni. Assumes virtual meeting. |
| | | | | **Subtotal** | **24** | |
| B | **Alternatives Public Meeting in PER Phase** | | | | | |
| | Agenda | EA | 1 | 4 | 4 | Preapre agenda |
| | Presentation | EA | 1 | 24 | 24 | Prepare PowerPoint and presentation |
| | Project Handouts | EA | 1 | 16 | 16 | Prepare handouts |
| | Exhibits | EA | 1 | 30 | 30 | Plans and graphics for meeting (plan sheets, color graphics) |
| | Notification Letters | EA | 1 | 0 | 0 | By County |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | By County |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 8 | 8 | Response letters - respond to public comments |
| | Staff Briefing | EA | 1 | 4 | 4 | Phone conference briefing |
| | Participation | EA | 1 | 18 | 18 | 3 staff x 6 hours (includes 2 hr meeting, set up, tear down and travel) |
| | Notes | EA | 1 | 4 | 4 | Notes |
| | | | | **Subtotal** | **108** | |
| C | **Create Pages for County Website*** | | | | | |
| | Web Site Development | LS | 1 | 0 | 0 | By County |
| | Web Site Content Updates | LS | 1 | 0 | 0 | By County |
| | | | | **Subtotal** | **0** | |
| D | **Project Kickoff Meeting** | | | | | |
| | Agenda | EA | 1 | 0 | 0 | |
| | Presentation | EA | 1 | 4 | 4 | Attend meeting 1 staff x 4 hrs |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 0 | 0 | By County |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 0 | 0 | |
| | Participation | EA | 1 | 0 | 0 | |
| | Notes | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **4** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| E | **Presentations and Coordination with the City of Tarpon Springs** | | | | | |
| | Agenda | EA | 1 | 0 | 0 | |
| | Presentation | EA | 1 | 4 | 4 | Presentation prep and coordination |
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 0 | 0 | By County |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 0 | 0 | |
| | Participation | EA | 1 | 6 | 6 | 2 staff x 3 hrs |
| | Notes | EA | 1 | 2 | 2 | Notes |
| | | | | **Subtotal** | **12** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| F | **Presentation to Local MPOs and Associated Technical and Citizen Committees** | | | | | BPAC - prep included in coordination meetings with Key agencies - 1 meeting to present alternatives |
| | Agenda | EA | 1 | 0 | 0 | |
| | Presentation | EA | 1 | 4 | 4 | Presentation prep and coordination |
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 0 | 0 | By County |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 0 | 0 | |
| | Participation | EA | 1 | 6 | 6 | 2 staff x 3 hrs |
| | Notes | EA | 1 | 2 | 2 | Notes |
| | | | | **Subtotal** | **12** | |
| G | **Other Stakeholders Meetings** | | | | | Assumes 1 Meeting |
| | Agenda | EA | 1 | 0 | 0 | |
| | Presentation | EA | 1 | 8 | 8 | PowerPoint presentation (updated for meeting) |
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 0 | 0 | By County |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 4 | 4 | Phone conference briefing |
| | Participation | EA | 1 | 6 | 6 | 2 staff x 3 hrs |
| | Notes | EA | 1 | 2 | 2 | Notes |
| | | | | **Subtotal** | **20** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| H | **Public Involvement Documentation** | | | | | |
| | Comments and Coordination Report | EA | 1 | 16 | 16 | Document public involvement activities |
| | | | | **Subtotal** | **16** | |
| | | | | **TOTAL** | | |
| I | **Additional Public Involvement Requirements** | | | | | |
| | General Public Correspondence | EA | 1 | 36 | 36 | 2 hrs x 18 Months |
| | News Letters, Fact Sheets, Preparation / Distribution | EA | 1 | 12 | 12 | Prepare 2 newsletters, one in lieu of a kick-off meeting and one to serve as an invitation to the Alternatives Public Workshop. Does not include distribution and assumes County will distribute |
| | | | | **Subtotal** | **48** | |
| | | | | **Total** | **244** | |
| | **Quality Assurance / Quality Control** | LS | % | 5% | 12 | |
| | | | | **TOTAL** | **256** | |

## Task 3 Eng Analysis & Considerations

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| A | **Review of Previous Studies** | | | | | |
| | Review of Studies | EA | 1 | 8 | 8 | 4 hrs x 2 staff (coordination in getting and reviewing previous studies) |
| | | | | **Subtotal** | **8** | |
| B | **Existing Conditions Analysis** | | | | | |
| | Data Collection | EA | 1 | 6 | 6 | 3 hrs x 2 staff |
| | Field Review | EA | 1 | 6 | 6 | 3 hrs x 2 staff |
| | | | | **Subtotal** | **12** | |
| C | **Survey** | | | | | See separate survey attachment for hours and breakdown |
| | Survey Coordination | EA | 1 | 4 | 4 | Coordinate survey and review of survey data |
| | | | | **Subtotal** | **4** | |
| D | **Geotechnical Investigation** | | | | | See separate survey attachment for hours and breakdown |
| | Geotechnical Coordination | EA | 1 | 4 | 4 | Coordinate geotechnical and review of geotechnical data |
| | | | | **Subtotal** | **4** | |
| E | **Traffic Analysis** | | | | | |
| a | Traffic Analysis Methodology | EA | 1 | 8 | 8 | Methodology |
| b | Data Collection | EA | 1 | 8 | 8 | Corridor data collection |
| c | Traffic Counts | EA | 1 | 20 | 20 | Analysis of data collection completed by subconsultant |
| d | Pre versus Post COVID adjustment | EA | 1 | 10 | 10 | Review data |
| e | Pedestrian, Bicycle, and Other Multimodal Data | EA | 1 | 18 | 18 | Analysis of data |
| f | No-Build Analysis | EA | 1 | 16 | 16 | Synchro |
| g | Development and Screening of Alternatives | EA | 1 | 40 | 40 | Screening of alternatives |
| | | | | **Subtotal** | **120** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| F | **Safety** | | | | | |
| a | Crash Data | EA | 1 | 10 | 10 | Collect and review current crash data |
| b | Safety Analysis | EA | 1 | 20 | 20 | Analysis |
| c | Documentation of Safety Analysis | EA | 1 | 20 | 20 | Document safety analysis findings |
| | | | | **Subtotal** | **50** | |
| G | **Utilities** | | | | | |
| a | Preliminary Utilities Coordination | EA | 1 | 16 | 16 | Sunshine One Call and preliminary coordination (only the 3 main utilities) |
| | | | | **Subtotal** | **16** | |
| H | **Roadway Analysis** | | | | | |
| a | Design Controls and Criteria | EA | 1 | 8 | 8 | Develop design controls and criteria |
| b | Typical Section Analysis and Evaluation | EA | 2 | 12 | 24 | Typical section analysis (2 main typicals) |
| c | Geometric Design | EA | 1 | 42 | 42 | Geometric design for alternatives |
| d | Intersections Evaluation | EA | 5 | 16 | 80 | Anclote Blvd, 4-90 degree intersections, Alt US 19 |
| e | Multimodal Accommodations | EA | 1 | 32 | 32 | Analyze multimodal needs |
| f | Maintenance of Traffic | EA | 1 | 20 | 20 | Preliminary MOT analysis for PER Phase (no plans) |
| g | Lighting | EA | 1 | 12 | 12 | Coordinate with Duke |
| h | Identify Construction Segments | EA | 1 | 8 | 8 | Segmenting and identification of construction segments |
| i | Culvert Crossing Evaluation | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **226** | |
| I | **Drainage** | | | | | |
| a | Floodplain and Environmental Permit Data Collection | EA | 1 | 0 | 0 | |
| b | Drainage Analysis | Per Basin | 1 | 0 | 0 | |
| c | Floodplain Compensation Analysis | Per Encroach. | 1 | 0 | 0 | |
| d | Stormwater Management Analysis | EA | 1 | 0 | 0 | |
| e | Drainage Design | EA | 1 | 0 | 0 | |
| f | Drainage Map Hydrology | EA | 1 | 0 | 0 | |
| g | Sea Level Rise Analysis | EA | 1 | 0 | 0 | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| h | Conceptual Drainage Design | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| J | **Construction and Right of Way Cost Estimates** | | | | | |
| a | Construction Cost Estimates | EA | 1 | 42 | 42 | Preliminary construction cost estimates (includes pond) |
| b | Preliminary Right of Way Cost Estimates | EA | 1 | 27 | 27 | Preliminary R/W cost estimates (includes pond) |
| | | | | **Subtotal** | **69** | |
| K | **Alternatives Evaluation** | | | | | |
| a | Comparative Alternatives Evaluation | EA | 1 | 40 | 40 | Compare alternatives |
| b | Selection of Recommended Alternative | EA | 1 | 8 | 8 | Discussion and selection |
| | | | | **Subtotal** | **48** | |
| L | **Concept Plans for Alternatives** | | | | | |
| | Key Sheet | Sheet | 1 | 6 | 6 | Key sheet |
| | Existing Drainage Maps | Sheet | 0 | 0 | 0 | |
| | Typical Section Sheets | Sheet | 2 | 6 | 12 | 2 typical section sheets |
| | Plan Sheets | Sheet | 40 | 8 | 320 | Plan sheets for alternatives (2 main alternatives) |
| | Profile Sheets | Sheet | 0 | 0 | 0 | No Profile sheets for concept plans |
| | Cross-section Sheets | Sheet | 10 | 6 | 60 | Cross-section sheets (at critical locations only) (4 per sheet) |
| | Design Exceptions and Design Variations | EA | 1 | 8 | 8 | Identify exceptions and variations for alternatives |
| | | | | **Subtotal** | **406** | |
| M | **15% Line and Grade for Preferred Alternative** | | | | | |
| | Key Sheet | Sheet | 1 | 2 | 2 | Key sheet - update only |
| | Existing Drainage Maps | Sheet | 0 | 0 | 0 | |
| | Typical Section Sheets | Sheet | 2 | 2 | 4 | 2 typical section sheets - update only |
| | Plan Sheets | Sheet | 40 | 2 | 80 | Plan sheets - update only for preferred alternative |
| | Profile Sheets | Sheet | 40 | 4 | 160 | Profile sheets - for preferred alternative |
| | Cross-section Sheets | Sheet | 47 | 4 | 188 | Cross-section sheets (every 100' / Critical locations) |
| | | | | **Subtotal** | **434** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| **N** | **30% Plans for Preferred Alternative** | | | | | |
| | Preliminary Key Sheet | Sheet | 1 | 2 | 2 | Key sheet - update only |
| | Preliminary Drainage Maps | Sheet | 0 | 0 | 0 | |
| | Preliminary Project Layout | Sheet | 3 | 4 | 12 | 3 drainage map areas - update only |
| | Preliminary Typical Section Sheets | Sheet | 2 | 2 | 4 | 2 typical section sheets - update only |
| | Preliminary Plan Sheets | Sheet | 40 | 2 | 80 | Plan sheets - update to 30% plans |
| | Preliminary Profile Sheets | Sheet | 40 | 2 | 80 | Profile sheets - update to 30% plans |
| | Preliminary Cross-section Sheets | Sheet | 47 | 2 | 94 | Cross-section sheets (every 100' / Critical locations) |
| | | | | **Subtotal** | **272** | |
| **M** | **Engineering Analysis Documentation** | | | | | |
| | Draft Engineering Analysis Documentation | EA | 1 | 26 | 26 | Complete draft engineering analysis documentation. This is separate from PER report prep. |
| | Final Engineering Analysis Documentation | EA | 1 | 42 | 42 | Complete final engineering analysis documentation. This is separate from PER report prep. |
| | | | | **Subtotal** | **68** | |
| | | | | **TOTAL** | **1737** | |
| | Respond to Comments | LS | 1 | 25 | 25 | Respond to phase review |
| | **Quality Assurance / Quality Control** | LS | % | 5% | 87 | |
| | | | | **TOTAL** | **1849** | |

# Task 4 Environmental Analysis & Reports



| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| **A** | **Land Use Changes** | | | | | |
| | Land use Consistency | LS | 1 | 16 | 16 | Land use consistency evaluation |
| | | | | **Subtotal** | **16** | |
| **B** | **Mobility** | | | | | |
| | Mobility Impacts | LS | 1 | 16 | 16 | Mobility impacts evaluation |
| | | | | **Subtotal** | **16** | |
| **C** | **Cultural Resources (Optional Service)** | | | | | |
| | Archaeological and Historic Resources | | | | | |
| | Cultural Resource Assessment Survey (CRAS) | LS | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| **D** | **Natural Resources** | | | | | |
| | Natural Resource Evaluation (NRE) Report | LS | 1 | 6 | 6 | Coordination with Earth Resources subconsultant |
| | | | | **Subtotal** | **6** | |
| | | | | **Total** | **6** | |
| | **Quality Assurance / Quality Control** | LS | % | 5% | 0 | |
| | | | | **TOTAL** | **38** | |

## Task 5 Prel Engineering Report Document

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| | **Preliminary Engineering Report Document (PER)** | | | | | |
| | Preliminary Engineering Report (PER) | LS | 1 | 82 | 82 | PER report preparation |
| | 30% Plans Deliverables (5 Packages) | LS | 1 | 18 | 18 | 30% plans deliverables (includes pond) |
| | | | | **Subtotal** | **100** | |
| | **Quality Assurance / Quality Control** | LS | % | 5% | 5 | |
| | | | | **TOTAL** | **105** | |

## Task 6 Utility Designation

| Task No. | Task | Units | No of Units | Hours/ Unit | Total Hours | Comments |
|---|---|---|---|---|---|---|
| A | Utility Designation | EA | 1 | 8 | 8 | Coordination with SUE subconsultant (ECHO). |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | **Subtotal** | **8** | |
| 3.15 | Supervision | LS | % | 0% | 0 | |
| | | | | **Subtotal** | **8** | |
| 3.16 | Coordination | LS | % | 0% | 0 | |
| | | | | **Total** | **8** | |

NOTE:

Subconsultant ECHO is doing the majority of the work under this section, Please see their separate scope and fee breakdown.

# Engineering Support
# Cardno
# (Backup Data)

# Anclote Road Improvements

## ESTIMATE OF WORK EFFORT AND COST (CARDNO)

Name of Project: Anclote Road Improvements
Client: Pinellas County

Consultant Name: Cardno
Date: 7/6/2021

| Project Task | Total Staff Hours From "SH Summary - Firm" | Chief Engineer 2 | Senior Engineer 2 | Engineer 2 | Senior Engineer 1 | Chief Designer | Senior Designer | Engineering Intern | - | - | - | - | - | Hours By Activity | Fee Cost By Activity | Average Rate Per Task |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $255.00 | $235.00 | $175.00 | $190.00 | $140.00 | $130.00 | $100.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | | |
| Task 1 Project Requirements | 45.00 | 3.60 | 2.25 | 6.75 | 6.75 | 13.50 | 9.90 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.00 | $7,312.50 | $163 |
| Task 2 Public Involvement | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | $0.00 | na |
| Task 3 Eng Analysis & Considerations | 603.00 | 48.24 | 30.15 | 84.42 | 78.39 | 168.84 | 162.81 | 30.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 603.00 | $96,871.95 | $161 |
| Task 4 Environmental Analysis & Reports | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | $0.00 | na |
| Task 5 Prel Engineering Report Document | 40.00 | 3.20 | 2.00 | 10.00 | 6.00 | 10.00 | 6.80 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.00 | $6,660.00 | $167 |
| Task 6 Utility Designation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | $0.00 | na |
| **Total Staff Hours** | 688.00 | 55.04 | 34.40 | 101.17 | 91.14 | 192.34 | 179.51 | 34.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 688.00 | | |
| **Total Staff Cost** | | $14,035.20 | $8,084.00 | $17,704.75 | $17,316.60 | $26,927.60 | $23,336.30 | $3,440.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | **$110,844.45** | **$161** |

| | |
|---|---|
| **Subtotal Labor:** | **$110,844.45** |
| **Expenses:** | **$0.00** |
| **Subtotal:** | **$110,844.45** |
| No Sub | $0.00 |
| No Sub | $0.00 |
| **Subtotal:** | **$0.00** |
| **GRAND TOTAL ESTIMATED FEE:** | **$110,844.45** |

## Task 1 Project Requirements



| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| **A** | **Technical Meetings and Other** | | | | | |
| | Schedule | EA | 1 | 0 | 0 | |
| | Meetings and Presentations | EA | 1 | 45 | 45 | see table below |
| | | | | **Subtotal** | **45** | |
| **B** | **Contract Management** | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **45** | |
| | | | | **QC** | **0** | |
| | **Quality Assurance / Quality Control** | EA | % | 5% | 0 | |
| | | | | **TOTAL HOURS** | **45** | |

| Meetings | | Units | No of Units | Hours/ Unit | Total Hours | Comments |
|---|---|---|---|---|---|---|
| Kick-Off | Kick Off | EA | 1 | 6 | 6 | Kick off meeting 2 staff x 3hrs |
| Roadway | Typical Section, Concepts and Alternatives | EA | 1 | 0 | 0 | |
| | Access Management | EA | 1 | 0 | 0 | |
| | Concepts | EA | 1 | 0 | 0 | |
| Drainage | Linear and Offsite Pond Systems | EA | 2 | 3 | 6 | 1 staff x 3hrs (Teams meeting) |
| | Drainage for Roadway/Culvert | EA | 1 | 3 | 3 | 1 staff x 3hrs (Teams meeting) |
| | Agency | EA | 1 | 0 | 0 | |
| Structures | Structures for Culvert Crossing and Walls | EA | 1 | 3 | 3 | 1 staff x 3hrs (Teams meeting) |
| | WMD | EA | 1 | 3 | 3 | 1 staff x 3hrs (Teams meeting) |
| | NMFS | EA | 1 | 0 | 0 | |
| | USACE | EA | 1 | 0 | 0 | |
| | USCG | EA | 1 | 0 | 0 | |
| | USFWS | EA | 1 | 0 | 0 | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| Env / Other | NPS | EA | 1 | 0 | 0 | |
| | SHPO | EA | 1 | 0 | 0 | |
| | USFS | EA | 1 | 0 | 0 | |
| | FFWCC | EA | 1 | 0 | 0 | |
| | USDA & NRCS | EA | 1 | 0 | 0 | |
| | USDOI | EA | 1 | 0 | 0 | |
| | FDOT | EA | 1 | 0 | 0 | |
| | Cultural Resources Coordination | EA | 1 | 0 | 0 | |
| | FDEP | EA | 1 | 0 | 0 | |
| | Environmental | EA | 1 | 0 | 0 | |
| | Right-of-Way | EA | 1 | 3 | 3 | 1 staff x 3hrs (Teams meeting) |
| | Other | EA | 1 | 0 | 0 | |
| Traffic | Traffic Methodology | EA | 1 | 0 | 0 | |
| | Traffic Design | EA | 1 | 0 | 0 | |
| | Traffic Analysis including Multimodal | EA | 1 | 0 | 0 | |
| Utilities and Railroad | UAO & DUO | EA | 1 | 0 | 0 | |
| | Railroad Office | EA | 1 | 0 | 0 | |
| Tolls | Tolls | EA | 1 | 0 | 0 | |
| PM / EMO | Local Governments (cities, counties, MPO) | EA | 1 | 0 | 0 | |
| | **Subtotal Technical Meetings** | | | | **24** | |
| | Progress Meetings | EA | 5 | 3 | 15 | 1 staff x 3hrs (Teams meetings) |
| | PER Phase Review Meetings | EA | 2 | 3 | 6 | PER Review meetings 1 staff x 3 hrs |
| | Misc. Review Meetings | EA | 1 | 0 | 0 | |
| | **Total Meetings** | | | | **45** | |

## Task 3 Eng Analysis & Considerations



| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| **A** | **Review of Previous Studies** | | | | | |
| | Review of Studies | EA | 1 | 4 | 4 | 4 hrs x 1 staff |
| | | | | **Subtotal** | **4** | |
| **B** | **Existing Conditions Analysis** | | | | | |
| | Data Collection | EA | 1 | 6 | 6 | 6 hrs x 1 staff |
| | Field Review | EA | 1 | 6 | 6 | 6 hrs x 1 staff |
| | | | | **Subtotal** | **12** | |
| **C** | **Survey** | | | | | |
| | Survey Coordination | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| **D** | **Geotechnical Investigation** | | | | | |
| | Geotechnical Coordination | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| **E** | **Traffic Analysis** | | | | | |
| **a** | Traffic Analysis Methodology | EA | 1 | 0 | 0 | |
| **b** | Data Collection | EA | 1 | 0 | 0 | |
| **c** | Traffic Counts | EA | 1 | 0 | 0 | |
| **d** | Pre versus Post COVID adjustment | EA | 1 | 0 | 0 | |
| **e** | Pedestrian, Bicycle, and Other Multimodal Data | EA | 1 | 0 | 0 | |
| **f** | No-Build Analysis | EA | 1 | 0 | 0 | |
| **g** | Development and Screening of Alternatives | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| **F** | **Safety** | | | | | |
| **a** | Crash Data | EA | 1 | 0 | 0 | |
| **b** | Safety Analysis | EA | 1 | 0 | 0 | |
| **c** | Documentation of Safety Analysis | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| **G** | **Utilities** | | | | | |
| **a** | Preliminary Utilities Coordination | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| **H** | **Roadway Analysis** | | | | | |
| **a** | Design Controls and Criteria | EA | 1 | 0 | 0 | |
| **b** | Typical Section Analysis and Evaluation | EA | 1 | 0 | 0 | |
| **c** | Geometric Design | EA | 1 | 10 | 10 | Geometric design for roundabout |
| **d** | Intersections Evaluation | EA | 1 | 30 | 30 | Roundabout |
| **e** | Multimodal Accommodations | EA | 1 | 0 | 0 | |
| **f** | Maintenance of Traffic | EA | 1 | 0 | 0 | |
| **g** | Lighting | EA | 1 | 0 | 0 | |
| **h** | Identify Construction Segments | EA | 1 | 0 | 0 | |
| **i** | Culvert Crossing Evaluation | EA | 1 | 30 | 30 | Review the existing culvert crossing, development culvert crossing typical sections and alternatives |
| | | | | **Subtotal** | **70** | |
| **I** | **Drainage** | | | | | |
| **a** | Floodplain and Environmental Permit Data Collection | EA | 1 | 18 | 18 | Data collection |
| **b** | Drainage Analysis | Per Basin | 1 | 48 | 48 | Drainage evaluation for different typical sections and pond |
| **c** | Floodplain Compensation Analysis | Per Encroach. | 1 | 48 | 48 | Floodplain |
| **d** | Stormwater Management Analysis | EA | 1 | 48 | 48 | Stormwater management |
| **e** | Drainage Design | EA | 1 | 96 | 96 | Drainage design for different typical sections and pond |
| **f** | Drainage Map Hydrology | EA | 1 | 28 | 28 | Drainage maps |
| **g** | Sea Level Rise Analysis | EA | 1 | 24 | 24 | Sea-level rise |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| h | Conceptual Drainage Design | EA | 1 | 28 | 28 | Conceptual drainage design (includes pond) |
| | | | | **Subtotal** | **338** | |
| J | **Construction and Right of Way Cost Estimates** | | | | | |
| a | Construction Cost Estimates | EA | 1 | 8 | 8 | Preliminary construction cost estimates - pond |
| b | Preliminary Right of Way Cost Estimates | EA | 1 | 8 | 8 | Preliminary R/W cost estimates - pond |
| | | | | **Subtotal** | **16** | |
| K | **Alternatives Evaluation** | | | | | |
| a | Comparative Alternatives Evaluation | EA | 1 | 0 | 0 | |
| b | Selection of Recommended Alternative | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| L | **Concept Plans for Alternatives** | | | | | |
| | Key Sheet | Sheet | 0 | 0 | 0 | |
| | Existing Drainage Maps | Sheet | 3 | 10 | 30 | 3 drainage map areas |
| | Typical Section Sheets | Sheet | 1 | 12 | 12 | Pond typical section sheets |
| | Plan Sheets | Sheet | 1 | 16 | 16 | Plan sheet for pond |
| | Profile Sheets | Sheet | 0 | 0 | 0 | |
| | Cross-section Sheets | Sheet | 1 | 8 | 8 | Cross-section sheet pond |
| | Design Exceptions and Design Variations | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **66** | |
| M | **15% Line and Grade for Preferred Alternative** | | | | | |
| | Key Sheet | Sheet | 0 | 0 | 0 | |
| | Existing Drainage Maps | Sheet | 3 | 2 | 6 | 3 drainage map areas - update only |
| | Typical Section Sheets | Sheet | 0 | 0 | 0 | |
| | Plan Sheets | Sheet | 0 | 0 | 0 | |
| | Profile Sheets | Sheet | 0 | 0 | 0 | |
| | Cross-section Sheets | Sheet | 0 | 0 | 0 | |
| | | | | **Subtotal** | **6** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| N | **30% Plans for Preferred Alternative** | | | | | |
| | Preliminary Key Sheet | Sheet | 0 | 0 | 0 | |
| | Preliminary Drainage Maps | Sheet | 3 | 3 | 9 | 3 drainage map areas - update only |
| | Preliminary Project Layout | Sheet | 0 | 0 | 0 | |
| | Preliminary Typical Section Sheets | Sheet | 1 | 2 | 2 | Pond typical section sheet - update only |
| | Preliminary Plan Sheets | Sheet | 1 | 4 | 4 | Pond plan sheet - update to 30% plans |
| | Preliminary Profile Sheets | Sheet | 0 | 0 | 0 | |
| | Preliminary Cross-section Sheets | Sheet | 1 | 2 | 2 | Pond cross-section sheet - update only |
| | | | | **Subtotal** | **17** | |
| M | **Engineering Analysis Documentation** | | | | | |
| | Draft Engineering Analysis Documentation | EA | 1 | 16 | 16 | Complete draft engineering analysis documentation. This is separate from PER report prep. |
| | Final Engineering Analysis Documentation | EA | 1 | 16 | 16 | Complete final engineering analysis documentation. This is separate from PER report prep. |
| | | | | **Subtotal** | **32** | |
| | | | | **TOTAL** | **561** | |
| | Respond to Comments | EA | 1 | 14 | 14 | Respond to phase review |
| | **Quality Assurance / Quality Control** | EA | % | 5% | 28 | |
| | | | | **TOTAL** | **603** | |

## Task 5 Prel Engineering Report Document

Anclote Road Improvements

7/6/2021

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| | **Preliminary Engineering Report Document (PER)** | | | | | |
| | Preliminary Engineering Report (PER) | LS | 1 | 36 | 36 | PER report preparation |
| | 30% Plans Deliverables (5 Packages) | LS | 1 | 2 | 2 | 30% plans deliverables - include pond |
| | | | | **Subtotal** | **38** | |
| | **Quality Assurance / Quality Control** | LS | % | 5% | 2 | |
| | | | | **TOTAL** | **40** | |

# Topographic Survey
# (Backup Data)

# Anclote Road Improvements

## TOPOGRAPHIC SURVEY

Name of Project: Anclote Road Improvements
Client: Pinellas County

Consultant Name: Pennoni
Date: 5/17/2021

| Staff Classification | Total Staff Hours | Principal Surveyor | Project Surveyor | Field Crew Supervisor | 2-Person Survey Crew | Designer | | | | | | | | Hours By Activity | Fee Cost By Activity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $182.00 | $140.00 | $93.00 | $150.00 | $135.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | |
| Mainline Topographic Survey | 336 | 8.00 | 16.00 | 16.00 | 176.00 | 120.00 | | | | | | | | 336.00 | $47,784.00 |
| Side Streets Topographic Survey | 286 | 8.00 | 16.00 | 16.00 | 140.00 | 106.00 | | | | | | | | 286.00 | $40,494.00 |
| Outfall Corridor Topographic Survey | 68 | 4.00 | 4.00 | 4.00 | 32.00 | 24.00 | | | | | | | | 68.00 | $9,700.00 |
| Potential Pond Site Topographic Survey | 30 | 4.00 | 2.00 | 2.00 | 16.00 | 6.00 | | | | | | | | 30.00 | $4,404.00 |
| Wetland Jurisdictional Lines | 28 | 4.00 | 2.00 | 2.00 | 16.00 | 4.00 | | | | | | | | 28.00 | $4,134.00 |
| Geotechnical Boring Locations | 20 | 4.00 | 2.00 | 2.00 | 8.00 | 4.00 | | | | | | | | 20.00 | $2,934.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| | | | | | | | | | | | | | | 0 | $0.00 |
| **Total Staff Hours** | 768 | 32.00 | 42.00 | 42.00 | 388.00 | 264.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 768.00 | |
| **Total Staff Cost** | | $5,824.00 | $5,880.00 | $3,906.00 | $58,200.00 | $35,640.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | **$109,450.00** |

| | |
|---|---|
| **Subtotal Labor:** | **$109,450.00** |
| **Expenses:** | **$0.00** |
| **Subtotal:** | **$109,450.00** |
| Other: | $0.00 |
| **Subtotal:** | **$0.00** |
| **GRAND TOTAL ESTIMATED FEE:** | **$109,450.00** |

# Geotechnical
# Tierra
# (Backup Data)

# Anclote Road Improvements

# TIERRA

Revised: February 11, 2021
Revised July 1, 2021

NOTE:
Tierra Parts 1, 2 are included under Pennoni Task 3

Pennoni, Inc.
5755 Rio Vista Drive
Clearwater, FL 33760

Attn: Mr. E. Peter Nikolov, P.E.

**RE: Geotechnical Engineering Services Proposal**
**Anclote Road Roadway and Stormwater Improvements**
**Pinellas County, Florida**
**Tierra Project No. 6511-20-175**

Mr. Nikolov:

Tierra, Inc. (Tierra) is pleased to submit this proposal to provide Geotechnical engineering services for the proposed project. Included in this proposal is our understanding of the project, the requested Scope of Services, schedule, and our fee estimate for our services.

This proposal includes pavement coring services and also includes an Attenuator Truck under the line item "*701-MOT Attenuator Truck*" and "*Flagman and Barricades 2-Man Crew Own Equipment*" in accordance with our Pinellas County contract rates.

**Project Description**

Based on the information provided in email correspondence by Pennoni, Pinellas County is planning drainage and roadway improvements to Anclote Road from Alternate US 19 to Anclote Boulevard in Pinellas County, Florida. The stormwater improvements include the design of new collection systems and outfalls along Anclote Road and Center Avenue. The scope of services outlined in this proposal are to support the Preliminary Engineering Report (PER).

**Scope of Work**

Pursuant to your request, our estimate has been prepared as two (2) separate parts as follows:

Part 1 – Anclote Road from Anclote Boulevard to Alternate US 19:

- Perform a total of 13 hand auger borings (1 per 1,000 LF of Roadway) to a depth of approximately 5 feet to evaluate subsurface conditions along Anclote Road, Savannah Avenue and Center Avenue.
- Perform a total of 26 pavement cores, with base depth determination, to assist in the design and construction of improvements to Anclote Road between Wesley Avenue and Alternate US 19, Savanah Avenue and along Center Avenue between Anclote Road and W. Fulton Street.
- Patch each cored location with asphalt cold patch upon completion.
- Perform two (2) Standard Penetration Test (SPT) borings to a depth of 40 feet below existing grades at the proposed box culvert improvements. Based on access limitations, these borings will be completed with a combination of land based and barge mounted drilling equipment.

Part 2 Stormwater Management Facility:

- Perform a total of 2 hand auger borings to a depth of 5 feet below existing grades at the proposed stormwater management facility.

The locations of the borings and pavement cores will be recorded on the field logs using a hand held GPS unit.

The objective of our study will be to obtain information concerning subsurface conditions at the site from which to base engineering estimates and recommendations in each of the following areas:

1. Identification of subsurface conditions along the proposed improvements.
2. General location and description of potentially deleterious materials discovered in the borings which may interfere with construction progress including existing fills or surficial organics.
3. Identification of groundwater levels including Seasonal High Groundwater Table (SHGWT) levels along the roadway alignments and stormwater management facility.

We propose to provide the following services in order to achieve the preceding objectives:

1. Review published soils and topographic information. This published information will be obtained from the appropriate Florida Quadrangle Map published by the United States Geological Survey (USGS), and the Soil Survey for Pinellas County, published by the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS).
2. Obtain the required Right of Way Use and Maintenance of Traffic Permits prior to beginning our field exploration.
3. Perform Maintenance of Traffic (MOT) in accordance with FDOT Indices (as necessary) during the field exploration.

4. Visually classify the samples in the laboratory using the Unified Soil Classification System (USCS) or AASHTO classification system, as appropriate. Conduct laboratory testing. Identify soil conditions at each boring location.
5. Identify the pavement type/thickness, base type/thickness and measure the crack depth (if any) at each core location.
6. Prepare an engineering report in accordance with this proposal, which summarizes the course of study pursued, the field data generated, subsurface conditions encountered and our engineering recommendations in each of the pertinent topic areas.

**Service Fee**

It is proposed the fee for performance of the above-outlined services be determined on unit fee basis. A copy of our Unit Fee Schedules are enclosed herewith and incorporated by reference into this proposal. On the basis of the scope of work noted herein, Tierra's fees for Parts 1 and 2 of the project are estimated as follows:

Part 1 ..... $42,677.52

Part 2 ..... $1,676.92

We will provide you with verbal results of tested conditions and immediately notify you should conditions impacting our scope, schedule, or cost of services occur. The proposal is based on the following assumptions:

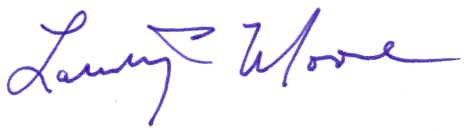
- No hazardous materials exist on-site that would impact our investigation.
- Permit fees for Pinellas County Right of Way Use and Maintenance of Traffic Permits will be waived.

**Closure**

We appreciate the opportunity to offer our services to you. We look forward to working with you. Should you have any questions in regards to this proposal, please do not hesitate to contact this office.

Sincerely,

**TIERRA, INC.**



Larry P. Moore, P.E.
Principal Geotechnical Engineer

Attachments:
Unit Fee Schedule – Parts 1 and 2

| Item Description | Unit | Quantity | Unit Price | Total |
|---|---|---|---|---|
| **Geotechnical Field Investigation** | | | | |
| 401-Geo Auger Borings- Hand & Truck/Mud Bug | LF | 65 | $ 10.00 | $ 650.00 |
| 418-Geo Drill Crew Support Vehicle | Day | 4 | $ 160.00 | $ 640.00 |
| 531-Geo Truck/Mudbug Drill Rig and Crew (2-Person) | Hour | | $ 135.00 | $ - |
| Site Clearing to Access Boring or Test Locations | Hour | 2 | $ 210.00 | $ 420.00 |
| 532-Geo Truck/Mudbug Drill Rig and Crew (3-Person) | Hour | | $ 185.00 | $ - |
| 435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft | LF | 80 | $ 8.50 | $ 680.00 |
| 436-Geo Grout Boreholes- Barge/Track/Amphibious 050-100 Ft | LF | | $ 11.00 | $ - |
| 440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft | LF | | $ 6.00 | $ - |
| 441-Geo Grout Boreholes- Truck/Mud Bug 050-100 Ft | LF | | $ 8.00 | $ - |
| 473-Geo SPT Barge/Track/Amphibious 000-050 Ft | LF | 80 | $ 21.00 | $ 1,680.00 |
| 474-Geo SPT Barge/Track/Amphibious 050-100 Ft | LF | | $ 28.00 | $ - |
| 478-Geo SPT Truck-Mud Bug 0-50 Ft | LF | | $ 15.00 | $ - |
| 479-Geo SPT Truck-Mud Bug 50-100 Ft | LF | | $ 18.00 | $ - |
| 483-Geo Temp Casing 3" Barge/Track/Amphibious 0-050 Ft | LF | 40 | $ 14.00 | $ 560.00 |
| 484-Geo Temp Casing 3" Barge/Track/Amphibious 50-100 Ft | LF | | $ 17.00 | $ - |
| 488-Geo Temp Casing 3" Truck/Mud Bug 000-050 Ft | LF | | $ 10.00 | $ - |
| 489-Geo Temp Casing 3" Truck/Mud Bug 050-100 Ft | LF | | $ 14.00 | $ - |
| 515-Geo Undisturbed Samples Barge/Track/Amphibious 000-050 Ft | Each | | $ 200.00 | $ - |
| 516-Geo Undisturbed Samples Barge/Track/Amphibious 050-100 Ft | Each | | $ 200.00 | $ - |
| 519-Geo Undisturbed Samples Truck/Mud Bug 000-050 Ft | Each | | $ 200.00 | $ - |
| 520-Geo Undisturbed Samples Truck/Mud Bug 050-100 Ft | Each | | $ 200.00 | $ - |
| 609-Geo Mobilization Drill Rig Barge Mount | Each | 1 | $ 7,500.00 | $ 7,500.00 |
| 614-Geo Mobilization Mudbug/All Terrain Vehicle | Each | | $ 700.00 | $ - |
| 618.1-Geo Support Safety Boat | Day | 1 | $ 500.00 | $ 500.00 |
| 618-Geo Mobilization Support Boat | Each | 1 | $ 500.00 | $ 500.00 |
| Flagman and Barricades 2-Man Crew Own Equipment | Day | 2 | $ 1,080.00 | $ 2,160.00 |
| 701-MOT Attenuator Truck | Hour | 10 | $ 340.00 | $ 3,400.00 |
| **Geotechnical Laboratory Testing** | | | | |
| 805-Soils Corrosion Series (FM 5-550 through 5-553) | Test | 4 | $ 305.00 | $ 1,220.00 |
| 811-Soils Liquid Limit (AASHTO T 89) | Test | 10 | $ 60.00 | $ 600.00 |
| 812-Soils Materials Finer than 200 Sieve (FM 1-T011) | Test | 20 | $ 42.00 | $ 840.00 |
| 817-Soils Moisture Content Laboratory (AASHTO T 265) | Test | 20 | $ 10.00 | $ 200.00 |
| 819-Soils Organic Content Ignition (FM 1 T-267) | Test | 10 | $ 42.00 | $ 420.00 |
| 822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer) | Test | 5 | $ 67.00 | $ 335.00 |
| 826-Soils Plastic Limit & Plasticity Index (AASHTO T 90) | Test | 10 | $ 70.00 | $ 700.00 |
| **Asphalt and Concrete Pavement Coring** | | | | |
| 209-Asphalt Pavement Coring – 4” dia with Base Depth Check | Each | 26 | $ 250.00 | $ 6,500.00 |
| 603-Mobilization Asphalt Coring equipment | Each | 1 | $ 300.00 | $ 300.00 |
| **Engineering and Technical Support Services** | | | | |
| Chief Engineer | Hour | 2 | $ 201.58 | $ 403.16 |
| Engineer | Hour | 32 | $ 117.91 | $ 3,773.12 |
| Engineering Intern | Hour | 56 | $ 92.60 | $ 5,185.60 |
| Engineering Technician | Hour | 12 | $ 71.70 | $ 860.40 |
| Secretary / Clerical | Hour | 4 | $ 84.00 | $ 336.00 |
| Senior Engineer | Hour | 8 | $ 173.63 | $ 1,389.04 |
| Senior Designer | Hour | 8 | $ 115.65 | $ 925.20 |
| | | | **GEOTECHNICAL TOTAL** | $ 42,677.52 |

| Item Description | Unit | Quantity | Unit Price | Total |
|---|---|---|---|---|
| **Geotechnical Field Investigation** | | | | |
| 401-Geo Auger Borings- Hand & Truck/Mud Bug | LF | 10 | $ 10.00 | $ 100.00 |
| 418-Geo Drill Crew Support Vehicle | Day | 2 | $ 160.00 | $ 320.00 |
| **Geotechnical Laboratory Testing** | | | | |
| 811-Soils Liquid Limit (AASHTO T 89) | Test | 1 | $ 60.00 | $ 60.00 |
| 812-Soils Materials Finer than 200 Sieve (FM 1-T011) | Test | 2 | $ 42.00 | $ 84.00 |
| 817-Soils Moisture Content Laboratory (AASHTO T 265) | Test | 2 | $ 10.00 | $ 20.00 |
| 819-Soils Organic Content Ignition (FM 1 T-267) | Test | 1 | $ 42.00 | $ 42.00 |
| 826-Soils Plastic Limit & Plasticity Index (AASHTO T 90) | Test | 1 | $ 70.00 | $ 70.00 |
| **Engineering and Technical Support Services** | | | | |
| Engineer | Hour | 2 | $ 117.91 | $ 235.82 |
| Engineering Intern | Hour | 4 | $ 92.60 | $ 370.40 |
| Engineering Technician | Hour | 2 | $ 71.70 | $ 143.40 |
| Senior Designer | Hour | 2 | $ 115.65 | $ 231.30 |
| | | | **GEOTECHNICAL TOTAL** | $ 1,676.92 |

# TIERRA

December 9, 2020
Revised: December 11, 2020
Revised: February 8, 2021
Revised: February 11, 2021

NOTE:
Tierra Part 3 is included under Pennoni Task 3

Pennoni, Inc.
5755 Rio Vista Drive
Clearwater, FL 33760

Attn: Mr. E. Peter Nikolov, P.E.

**RE: Geotechnical Engineering Services Proposal**
**Brady Road Reconstruction & Milling/Resurfacing**
**Pinellas County, Florida**
**Tierra Project No. 65-20-608**

Mr. Nikolov:

Tierra, Inc. (Tierra) is pleased to submit this proposal to provide Geotechnical engineering services for the proposed project. Included in this proposal is our understanding of the project, our proposed Scope of Services, schedule, and the cost for our services.

## Project Description

Based on the information provided in email correspondence by Pennoni, Pinellas County is planning approximately 770 feet of reconstruction and approximately 1,900 feet of milling/resurfacing of Brady Road between Anclote Road and L and R Industrial Road. If any of the project information noted is incorrect or has changed, Tierra should be notified as soon as possible so we can determine if the changes impact our fee proposal. We understand the services proposed to be completed at this time include services to be performed for the Preliminary Engineering Report to include pavement coring services.

## Scope of Work

Based on our discussions, the field testing program will consist of the following services:

- Perform 3 hand auger borings (1 boring per 1,000 LF of roadway) to a depth of approximately 5 feet to evaluate subsurface conditions adjacent to Brady Road.

- Perform a total of four (4) pavement cores to assist in the milling and resurfacing portion of the improvements to Brady Road. The cores will be full depth and we will identify the pavement type/thickness, base type/thickness and measure crack depths at each core location.
- Patch each cored location with asphalt cold patch upon completion.

The locations of the borings and pavement cores will be recorded on the field logs using a hand held GPS unit.

The objective of our study will be to obtain information concerning subsurface conditions at the site from which to base engineering estimates and recommendations in each of the following areas:

1. Identification of subsurface conditions along the proposed improvements.

2. General location and description of potentially deleterious materials discovered in the borings which may interfere with construction progress including existing fills or surficial organics.

3. Identification of groundwater levels and estimation of the Seasonal High Groundwater Table (SHGWT).

4. Pavement section identification and exploration of subgrade conditions.

We propose to provide the following services in order to achieve the preceding objectives:

1. Review published soils and topographic information. This published information will be obtained from the appropriate Florida Quadrangle Map published by the United States Geological Survey (USGS), and the Soil Survey for Pinellas County, published by the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS).

2. Obtain the required Right of Way Use and Maintenance of Traffic Permits prior to beginning our field exploration.

3. Perform Maintenance of Traffic (MOT) in accordance with FDOT Indices (as necessary) during the field exploration.

4. Visually classify the samples in the laboratory using the Unified Soil Classification System (USCS) or AASHTO classification system, as appropriate. Conduct laboratory testing. Identify soil conditions at each boring location.

5. Identify the pavement type/thickness, base type/thickness and measure the crack depth (if any) at each core location.

6. Prepare an engineering report in accordance with this proposal, which summarizes the course of study pursued, the field data generated, subsurface conditions encountered and our engineering recommendations in each of the pertinent topic areas.

## Service Fee

It is proposed the fee for performance of the above-outlined services be determined on unit fee basis. On the basis of the scope of work noted herein, Tierra's fees for Part 3 of the project are estimated to be **$5,077.48**. We will provide you with verbal results of tested conditions and immediately notify you should conditions impacting our scope, schedule or cost of services occur.

Sincerely,
TIERRA, INC.

William P. Rovira, IV, P.E.
Geotechnical Engineer

Larry P. Moore, P.E.
Principal Geotechnical Engineer

Attachments:
Unit Fee Schedule

| Item Description | Unit | Unit Price | Quantity | Total |
|---|---|---|---|---|
| **Geotechnical Field Investigation** | | | | |
| 401-Geo Auger Borings- Hand & Truck/Mud Bug | LF | $ 10.00 | 35 | $ 350.00 |
| Flagman and Barricades 2-Man Crew Own Equipment | Day | $ 1,080.00 | 0.5 | $ 540.00 |
| 701-MOT Attenuator Truck | Hour | $ 340.00 | 2 | $ 680.00 |
| **Geotechnical Laboratory Testing** | | | | |
| 812-Soils Materials Finer than 200 Sieve (FM 1-T011) | Test | $ 42.00 | 4 | $ 168.00 |
| 817-Soils Moisture Content Laboratory (AASHTO T 265) | Test | $ 10.00 | 1 | $ 10.00 |
| 819-Soils Organic Content Ignition (FM 1 T-267) | Test | $ 42.00 | 1 | $ 42.00 |
| 822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer) | Test | $ 67.00 | 1 | $ 67.00 |
| **Asphalt and Concrete Pavement Coring** | | | | |
| 209-Asphalt Pavement Coring – 4” dia with Base Depth Check | Each | $ 250.00 | 4 | $ 1,000.00 |
| 606-Mobilization Concrete Coring | Each | $ 300.00 | 1 | $ 300.00 |
| **Engineering and Technical Support Services** | | | | |
| Engineer | Hour | $ 117.91 | 5 | $ 589.55 |
| Engineering Intern | Hour | $ 92.60 | 10 | $ 926.00 |
| Senior Engineer | Hour | $ 173.63 | 1 | $ 173.63 |
| Senior Designer | Hour | $ 115.65 | 2 | $ 231.30 |
| | | | **GEOTECHNICAL TOTAL** | $ 5,077.48 |

# Contamination
# Tierra
# (Backup Data)

# Anclote Road Improvements

# TIERRA

February 8, 2021

Pennoni, Inc.
5755 Rio Vista Drive
Clearwater, Florida 33760

Attn: Mr. E. Peter Nikolov, P.E., ENV SP
Vice President, Division Manager

**RE: Contamination Services Proposal**
**Anclote Road from Anclote Boulevard to Alternate US 19**
**Pinellas County, Florida**
**Tierra Project No. 6511-20-175E**

Mr. Nikolov:

Tierra, Inc. (Tierra) is pleased to submit this proposal to provide contamination assessment services for the proposed project. Included in this proposal is our understanding of the project, our proposed Scope of Services, schedule, and the cost for our services.

## Project Description

Based on the information provided in email correspondence from Pennoni, Pinellas County is planning improvements to Anclote Road from Anclote Boulevard to Alternate US 19, a distance of approximately 2.4 miles. Professional services will include support for the Preliminary Engineering Report.

## Scope of Work

Tierra will provide contamination consulting services in general accordance with Part 2, Chapter 20 of the Florida Department of Transportation's (FDOT) Project Development & Environment Manual (PD&E) guidelines (July 2020). Level I services are proposed herein. Any necessary Level II testing will be performed under a supplemental agreement during a later phase of the project.

The Level I contamination screening will begin with a site reconnaissance followed by a review of previous reports and historical data, including aerial photographs and regulatory database reports. Our services will be completed in relation to the roadway alignment and a study area that extends 500 feet in each compass direction.

To complete the Level I services, we anticipate completing the following services:

1. Conduct a site reconnaissance of the project corridor. Evaluate the existing/proposed right of way and each potential right-of-way acquisition parcel for contamination risk and rate sites in accordance with the FDOT Contamination Risk Evaluation system. Identify parcels or sites within 500 feet that are considered to be potential sources of contamination.
2. Document site-specific data for those parcels or sites that currently are, or may have previously been, involved in activities where hazardous or petroleum-related materials/substances/wastes may have adversely impacted the property.
3. Review and analyze historical and current aerial photographs, maps and land use information for the potential for previous practices or activities that may have involved hazardous materials or waste that could impact the proposed project.
4. Conduct a computerized database search of agency maintained records for known releases or storage systems of hazardous materials, substances or wastes and petroleum-related constituents maintained by the United States Environmental Protection Agency and the Florida Department of Environmental Protection. One example is the adjacent Stauffer Chemical superfund site.
5. Evaluate hydrogeologic features for potential contaminant migration pathways. Document existing monitoring wells along the corridor that may be associated with contaminated sites.
6. Prepare a Contamination Technical Memorandum that documents the research, analysis and recommendations, and how these influence construction of the project.

## Schedule

From notice to proceed, the Level I report will require on the order of 4 to 6 weeks.

## Service Fee

It is proposed the fee for performance of the above-outlined services be determined on unit fee basis, and the work be performed pursuant to our General Conditions. A copy of our Unit Fee Schedule and General Conditions are enclosed herewith and incorporated by reference into this proposal. On the basis of the scope of work noted herein, Tierra's fees for the contamination services will be $12,164.37 for the Level I. Level II testing is not included and will require a supplemental agreement.

## Closure

We appreciate the opportunity to offer our services and look forward to working with you. If this proposal is acceptable, please sign below as notice to proceed and return one copy of this proposal intact to our office. Should you have any questions in regards to this proposal, please do not hesitate to contact this office.

Sincerely,
**TIERRA, INC.**

Michael Bair, ASP
Chief Scientist

| Item Description | Unit | Quantity | Unit Price | Total |
|---|---|---|---|---|
| **Field Investigation** | | | | |
| 418-Geo Drill Crew Support Vehicle | Day | 2 | $ 160.00 | $ 320.00 |
| 434-Geo Ground Penetrating Radar (GPR) | Hour | | $ 350.00 | $ - |
| 445-Geo Grouted Monitor Well 2" 000-050 Ft | LF | | $ 28.00 | $ - |
| 450-Geo Piezometer 2" 000-050 Ft | LF | | $ 44.00 | $ - |
| 525-Geo Well Development | Hour | | $ 140.00 | $ - |
| 612-Geo Mobilization Drill Rig Truck Mount | Each | | $ 410.00 | $ - |
| Drilling Permit Costs IE DEP | Each | | $ 250.00 | $ - |
| **Contamination Test Units** | | | | |
| EDR Report | Each | 1 | $ 500.00 | $ 500.00 |
| Organic Vapor Analyzer (OVA) | Day | | $ 150.00 | $ - |
| Handheld GPS | Per Day | 2 | $ 80.00 | $ 160.00 |
| Field Sampling Kit (soil) | Each | | $ 75.00 | $ - |
| Field Sampling Survey Kit (water) | Each | | $ 75.00 | $ - |
| Power Auger Boring (includes decontamination to a depth of 25 feet) | Foot | | $ 11.00 | $ - |
| BTEX and MTBE (Method 8260) | Each | | $ 65.00 | $ - |
| Organochlorine Pesticides (Method 8081) | Each | | $ 100.00 | $ - |
| Organophosphorous Pesticides (Method 8141) | Each | | $ 125.00 | $ - |
| Chlorinated Herbicides (Method 8151) | Each | | $ 100.00 | $ - |
| Volatile Organics (Method 8260) | Each | | $ 95.00 | $ - |
| Volatile Organics BTEX/MTBE(Method 8260) | Each | | $ 60.00 | $ - |
| Semi-Volatiles (Method 8270) | Each | | $ 200.00 | $ - |
| Polyaromatic Hydrocarbons (Method 8270) | Each | | $ 100.00 | $ - |
| TPH Method FL-Pro | Each | | $ 65.00 | $ - |
| RCRA 8 Metals (Method 6010/7471) | Each | | $ 65.00 | $ - |
| RCRA Metals Individual (Method 6010/7471) | Each | | $ 9.00 | $ - |
| Mercury Individual (Method 6010/7471) | Each | | $ 25.00 | $ - |
| Ultr Low Trace Mercury GW Individual (Method 1631) | Each | | $ 75.00 | $ - |
| Arsenic (Method 6010/7471) | Each | | $ 9.00 | $ - |
| SPLP/TCLP Metals | Each | | $ 198.00 | $ - |
| Asbestos Samples | Each | | $ 15.00 | $ - |
| Polychlorinated Biphenals (8082) | Each | | $ 75.00 | $ - |
| **Engineering and Technical Support Services** | | | | |
| Chief Scientist | Hour | 16 | $ 171.80 | $ 2,748.80 |
| Engineering Technician | Hour | 5 | $ 71.70 | $ 358.50 |
| Secretary / Clerical | Hour | 3 | $ 84.00 | $ 252.00 |
| Senior Engineering Technician | Hour | 15 | $ 85.64 | $ 1,284.60 |
| Senior Designer | Hour | 5 | $ 115.65 | $ 578.25 |
| Senior Scientist | Hour | 41 | $ 145.42 | $ 5,962.22 |
| | | | **CONTAMINATION TOTAL:** | **$ 12,164.37** |

Contamination Summary - Level I

| | | |
|---|---|---|
| Field | $ | 320.00 |
| Test Units | $ | 660.00 |
| Engineering | $ | 11,184.37 |
| Total hours | | 85 |

# Traffic Counts
# Adams Traffic
# (Backup Data)

# Anclote Road Improvements

**Adams Traffic, Inc**

Anclote Road Improvements

## 8 Hour Turning Movement

| Position | Quantity | Units | Loaded Rate | Total | Rate |
|---|---|---|---|---|---|
| Chief Engineer | 0.5 | Hour | $ 219.17 | $ 109.59 | |
| Sr Engineering Technician | 12.5 | Hour | $ 72.53 | $ 906.63 | |
| | | Hour | | $ - | |
| | | Hour | | $ - | |
| **Total Cost** | **13** | | | **$ 1,016.21** | |

**Adams Traffic, Inc**

## 72 Hour Volume Hose Count 2 Directions

| Position | Quantity | Units | Loaded Rate | Total | Rate |
|---|---|---|---|---|---|
| Chief Engineer | 0.5 | Hour | $ 219.17 | $ 109.59 | |
| Sr Engineering Technician | 5.5 | Hour | $ 72.53 | $ 398.92 | |
| | | Hour | | $ - | |
| | | Hour | | $ - | |
| **Total Cost** | **6** | | | **$ 508.50** | |

| Category | Rate | Quantity | Total |
|---|---|---|---|
| 8 Hour Turning Movement | $1,016.21 | 3 | $3,048.63 |
| 72 Hour Volume Hose Count 2 Directions | $ 508.50 | 3 | $1,525.50 |
| | | **TOTAL** | **$4,574.13** |

# SUE Designation
# ECHO
# (Backup Data)

# Anclote Road Improvements

**ECHO UES, Inc.**
**PROFESSIONAL SERVICES ESTIMATE**

ECHO UTILITY ENGINEERING & SURVEY

| | | | |
|---|---|---|---|
| **CLIENT:** | **Pennoni** | **PROJ. #** | |
| **PROJECT:** | **Anclote Road from Alt US 19 to Wesley Ave (SUE Estimate)** | **PHASE. #** | |
| **LOCATION:** | **Tarpon Springs, Pinellas County** | | |

## Subsurface Utility Engineering (Designating - Quality Level 'B')

9 increment spots with 300 LF swat = 2,700 LF

| FIELD WORK ITEMS | DAYS | HRS/DAY | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| SUE Designating/Locating Crew (3-Person) | 7.1 | 8 | 56.8 | $224.00 | $12,723.20 | **Designate utilities within limits as shown**: 10 underground utilities x 2,700 = 27,000 LF of underground utilities ÷ 3,800 LF/day = 7.1 days x 8 hours/day = 56.8 **hours** |
| Survey Crew (3-Person) | 1.8 | 8 | 14.2 | $178.00 | $2,527.60 | Survey utility information = 25% of SUE designating days = 1.8 days = **14.2 hours** |
| | | | | **FIELD SUB.TOT** | **$15,250.80** | |

| OFFICE WORK ITEMS | | | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| Project Manager | | 10% | 3.1 | $163.00 | $505.30 | PM project, permits, schedule, invoicing and communications. Also include any site specific safety permits and plan |
| Senior Surveyor | | 15% | 4.7 | $172.00 | $808.40 | Oversee and process all survey data |
| Project Surveyor | | 35% | 10.9 | $126.00 | $1,373.40 | Prepare deliverable, sheet out and clean up |
| Survey/SUE/CADD Technician | | 40% | 12.4 | $76.00 | $942.40 | Set up contract and invoice |
| | | 100% | | **OFFICE SUB.TOT** | **$3,629.50** | |

**Subsurface Utility Engineering Total = $18,880.30**

**Prepared By:** Jerry Comellas, Jr., PE **Date:** July 22, 2021

*All services to be provided in accordance with ECHO UES, Inc. relative proposal, terms and conditions.*

**ECHO UES, Inc.**
**PROFESSIONAL SERVICES ESTIMATE**

ECHO UTILITY ENGINEERING & SURVEY

| | | | |
|---|---|---|---|
| **CLIENT:** | **Pennoni** | **PROJ. #** | |
| **PROJECT:** | **Anclote Road from Wesley Ave to Anclote Blvd (SUE Estimate)** | **PHASE. #** | |
| **LOCATION:** | **Tarpon Springs, Pinellas County** | | |

## Subsurface Utility Engineering (Designating - Quality Level 'B')

4 increment spots with 300 LF swat = 1.200 LF

| FIELD WORK ITEMS | DAYS | HRS/DAY | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| SUE Designating/Locating Crew (3-Person) | 0.9 | 8 | 7.2 | $224.00 | $1,612.80 | **Designate utilities within limits as shown**: 3 underground utilities x 1,200 = 3,600 LF of underground utilities ÷ 3,800 LF/day = 0.9 days x 8 hours/day = 7.2 **hours** |
| Survey Crew (3-Person) | 0.2 | 8 | 1.8 | $178.00 | $320.40 | Survey utility information = 25% of SUE designating days = 0.2 days = 1.8 **hours** |
| | | | **FIELD SUB.TOT** | | **$1,933.20** | |

| OFFICE WORK ITEMS | | | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| Project Manager | | 10% | 0.4 | $163.00 | $65.20 | PM project, permits, schedule, invoicing and communications. Also include any site specific safety permits and plan |
| Senior Surveyor | | 15% | 0.6 | $172.00 | $103.20 | Oversee and process all survey data |
| Project Surveyor | | 35% | 1.4 | $126.00 | $176.40 | Prepare deliverable, sheet out and clean up |
| Survey/SUE/CADD Technician | | 40% | 1.6 | $76.00 | $121.60 | Set up contract and invoice |
| | | 100% | **OFFICE SUB.TOT** | | **$466.40** | |

**Subsurface Utility Engineering Total = $2,399.60**

**Prepared By:** Jerry Comellas, Jr., PE **Date:** July 22, 2021

*All services to be provided in accordance with ECHO UES, Inc. relative proposal, terms and conditions.*

**ECHO UES, Inc.**
**PROFESSIONAL SERVICES ESTIMATE**

ECHO UTILITY ENGINEERING & SURVEY

| | | | |
|---|---|---|---|
| **CLIENT:** | **Pennoni** | **PROJ. #** | |
| **PROJECT:** | **Center Avenue from Anclote Road to Fulton Street (SUE Estimate)** | **PHASE. #** | |
| **LOCATION:** | **Tarpon Springs, Pinellas County** | | |

## Subsurface Utility Engineering (Designating - Quality Level 'B')

2 increment spots with 300 LF swat = 600 LF

| FIELD WORK ITEMS | DAYS | HRS/DAY | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| SUE Designating/Locating Crew (3-Person) | 0.5 | 8 | 4 | $224.00 | $896.00 | **Designate utilities within limits as shown**: 3 underground utilities x 600 LF = 1,800 LF of underground utilities ÷ 3,800 LF/day = 0.5 days x 8 hours/day = 4 **hours** |
| Survey Crew (3-Person) | 0.125 | 8 | 1 | $178.00 | $178.00 | Survey utility information = 25% of SUE designating days = 0.125 days = 1 **hours** |
| | | | **FIELD SUB.TOT** | | **$1,074.00** | |

| OFFICE WORK ITEMS | | | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| Project Manager | | 10% | 0.2 | $163.00 | $32.60 | PM project, permits, schedule, invoicing and communications. Also include any site specific safety permits and plan |
| Senior Surveyor | | 15% | 0.3 | $172.00 | $51.60 | Oversee and process all survey data |
| Project Surveyor | | 35% | 0.8 | $126.00 | $100.80 | Prepare deliverable, sheet out and clean up |
| Survey/SUE/CADD Technician | | 40% | 0.9 | $76.00 | $68.40 | Set up contract and invoice |
| | | 100% | **OFFICE SUB.TOT** | | **$253.40** | |

**Subsurface Utility Engineering Total = $1,327.40**

**Prepared By:** Jerry Comellas, Jr., PE **Date:** July 22, 2021

*All services to be provided in accordance with ECHO UES, Inc. relative proposal, terms and conditions.*

**ECHO UES, Inc.**
**PROFESSIONAL SERVICES ESTIMATE**

ECHO UTILITY ENGINEERING & SURVEY

| | | | |
|---|---|---|---|
| **CLIENT:** | **Pennoni** | **PROJ. #** | |
| **PROJECT:** | **Savannah Avenue from Anclote Road to Brady Street (SUE Estimate)** | **PHASE. #** | |
| **LOCATION:** | **Tarpon Springs, Pinellas County** | | |

## Subsurface Utility Engineering (Designating - Quality Level 'B')

3 increment spots with 300 LF swat = 900 LF

| FIELD WORK ITEMS | DAYS | HRS/DAY | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| SUE Designating/Locating Crew (3-Person) | 0.7 | 8 | 5.6 | $224.00 | $1,254.40 | **Designate utilities within limits as shown**: 3 underground utilities x 900 LF = 2,700 LF of underground utilities ÷ 3,800 LF/day = 0.7 x 8 hours/day = 5.6 **hours** |
| Survey Crew (3-Person) | 0.175 | 8 | 1.4 | $178.00 | $249.20 | Survey utility information = 25% of SUE designating days = 0.175 days = 1.4 **hours** |
| | | | **FIELD SUB.TOT** | | **$1,503.60** | |

| OFFICE WORK ITEMS | | | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| Project Manager | | 10% | 0.3 | $163.00 | $48.90 | PM project, permits, schedule, invoicing and communications. Also include any site specific safety permits and plan |
| Senior Surveyor | | 15% | 0.5 | $172.00 | $86.00 | Oversee and process all survey data |
| Project Surveyor | | 35% | 1.1 | $126.00 | $138.60 | Prepare deliverable, sheet out and clean up |
| Survey/SUE/CADD Technician | | 40% | 1.2 | $76.00 | $91.20 | Set up contract and invoice |
| | | 100% | **OFFICE SUB.TOT** | | **$364.70** | |

**Subsurface Utility Engineering Total = $1,868.30**

**Prepared By:** Jerry Comellas, Jr., PE **Date:** July 22, 2021

*All services to be provided in accordance with ECHO UES, Inc. relative proposal, terms and conditions.*

**ECHO UES, Inc.**
**PROFESSIONAL SERVICES ESTIMATE**

ECHO UTILITY ENGINEERING & SURVEY

| | | | |
|---|---|---|---|
| **CLIENT:** | **Pennoni** | **PROJ. #** | |
| **PROJECT:** | **Brady Street from Savannah Avenue to Anclote Road (SUE Estimate)** | **PHASE. #** | |
| **LOCATION:** | **Tarpon Springs, Pinellas County** | | |

## Subsurface Utility Engineering (Designating - Quality Level 'B')

2 increment spots with 300 LF swat = 600 LF

| FIELD WORK ITEMS | DAYS | HRS/DAY | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| SUE Designating/Locating Crew (3-Person) | 0.5 | 8 | 4 | $224.00 | $896.00 | **Designate utilities within limits as shown**: 3 underground utilities x 600 LF = 1,800 LF of underground utilities ÷ 3,800 LF/day = 0.5 days x 8 hours/day = 4 **hours** |
| Survey Crew (3-Person) | 0.125 | 8 | 1 | $178.00 | $178.00 | Survey utility information = 25% of SUE designating days = 0.125 days = 1 **hours** |
| | | | **FIELD SUB.TOT** | | **$1,074.00** | |

| OFFICE WORK ITEMS | | | # OF HOURS | $/h RATE | SUB.TOT | NOTES |
|---|---|---|---|---|---|---|
| Project Manager | | 10% | 0.2 | $163.00 | $32.60 | PM project, permits, schedule, invoicing and communications. Also include any site specific safety permits and plan |
| Senior Surveyor | | 15% | 0.3 | $172.00 | $51.60 | Oversee and process all survey data |
| Project Surveyor | | 35% | 0.8 | $126.00 | $100.80 | Prepare deliverable, sheet out and clean up |
| Survey/SUE/CADD Technician | | 40% | 0.9 | $76.00 | $68.40 | Set up contract and invoice |
| | | 100% | **OFFICE SUB.TOT** | | **$253.40** | |

**Subsurface Utility Engineering Total = $1,327.40**

**Prepared By:** Jerry Comellas, Jr., PE **Date:** July 22, 2021

*All services to be provided in accordance with ECHO UES, Inc. relative proposal, terms and conditions.*

# Public Involvement
# Valerin
# (Backup Data)

# Anclote Road Improvements

**PUBLIC INVOLVEMENT SUPPORT (VALERIN)**

Name of Project: Anclote Road Improvements
Client: Pinellas County

Consultant Name: THE VALERIN GROUP, INC
Date: 5/17/2021

| Project Task | Total Staff Hours From "SH Summary - Firm" | Community Outreach Specialist | Graphic Designer | Multimedia Specialist | - | - | - | - | - | - | - | - | - | SH By Activity | Salary Cost By Activity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $122.00 | $106.00 | $106.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | |
| Task 2 Public Involvement (PER) | 126 | 113.40 | 6.30 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 126.00 | $15,170.40 |
| **Total Staff Hours** | 126 | 113.40 | 6.30 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 126.00 | |
| **Total Staff Cost** | | $13,834.80 | $667.80 | $667.80 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | **$15,170.40** |

| | |
|---|---|
| **Subtotal Labor:** | **$15,170.40** |
| **Expenses:** | **$0.00** |
| **Subtotal:** | **$15,170.40** |
| **GRAND TOTAL ESTIMATED FEE:** | **$15,170.40** |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| **A** | **Public Involvement** | | | | | |
| | Public Involvement Plan | EA | 1 | 0 | 0 | |
| | Public Involvement Data Collection (incl. site selection) | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| **B** | **Alternatives Public Meeting** | | | | | |
| | Agenda | EA | 1 | 0 | 0 | |
| | Presentation | EA | 1 | 30 | 30 | Prepare PowerPoint and presentation |
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 8 | 8 | Assist with development of project design alternatives meeting notifications |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 8 | 8 | Summarize and prepare report for Pinellas County project staff on meeting participantion, attendee feedback to Q&A and poll/survey comments. |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 0 | 0 | |
| | Participation | EA | 1 | 40 | 40 | Provide virtual meeting support which may include meeting platform, virtual meeting moderators, and screener support for Q&A as needed for preparation, practice, and meeting event. |
| | Notes | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **86** | |
| **C** | **Create Pages for County Website*** | | | | | |
| | Web Site Development | EA | 1 | 0 | 0 | |
| | Web Site Content Updates | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| | | | | | | |
| **D** | **Project Kickoff Meeting** | | | | | No Kickoff Meeting - Newsleter only |
| | Agenda | EA | 1 | 0 | 0 | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | Presentation | EA | 1 | 0 | 0 | |
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 10 | 10 | Assist with development of project kick-off notification/newsletter |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 0 | 0 | |
| | Participation | EA | 1 | 0 | 0 | |
| | Notes | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **10** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| E | **Presentations and Coordination with the City of Tarpon Springs** | | | | | |
| | Agenda | EA | 1 | 0 | 0 | |
| | Presentation | EA | 1 | 0 | 0 | |
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 0 | 0 | |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 0 | 0 | |
| | Participation | EA | 1 | 0 | 0 | |
| | Notes | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| F | **Presentation to Local MPOs and Associated Technical and Citizen Committees** | | | | | |
| | Agenda | EA | 1 | 0 | 0 | |
| | Presentation | EA | 1 | 0 | 0 | |
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 0 | 0 | |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 0 | 0 | |
| | Participation | EA | 1 | 0 | 0 | |
| | Notes | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| G | **Other Stakeholder Meetings** | | | | | |
| | Agenda | EA | 1 | 0 | 0 | |
| | Presentation | EA | 1 | 0 | 0 | |
| | Project Handouts | EA | 1 | 0 | 0 | |
| | Exhibits | EA | 1 | 0 | 0 | |
| | Notification Letters | EA | 1 | 0 | 0 | |
| | Press Release/Meeting Announcements | EA | 1 | 0 | 0 | |
| | Project Summaries | EA | 1 | 0 | 0 | |
| | Response Letters | EA | 1 | 0 | 0 | |
| | Staff Briefing | EA | 1 | 0 | 0 | |
| | Participation | EA | 1 | 0 | 0 | |
| | Notes | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| H | **Public Involvement Documentation** | | | | | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | Comments and Coordination Report | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| | | | | **TOTAL** | | |
| **I** | **Additional Public Involvement Requirements** | | | | | |
| | General Public Correspondence | EA | 1 | 0 | 0 | |
| | News Letters, Fact Sheets, Preparation / Distribution | EA | 2 | 12 | 24 | Assist with preparation of fact sheets and FAQ. |
| | | | | **Subtotal** | **24** | |
| | | | | **Total** | **120** | |
| | **Quality Assurance / Quality Control** | EA | % | 5% | 6 | |
| | | | | **TOTAL** | **126** | |

# Ecological
# Earth Resources
# (Backup Data)

# Anclote Road Improvements

# Ecological Services (Earth Resources)
# Anclote Road from Anclote Boulevard to Alt US 19

## Environmental (Ecological) Scope

This project involves preparing a Preliminary Engineering Report (PER) for Anclote Road from Anclote Boulevard to Alt US 19 (2.4 miles). Below is a scope of work for the environmental tasks required to prepare the environmental section of the PER.

**PRELIMINARY ENGINEERING REPORT**

Earth Resources will collect and analyze the following environmental data and prepare an Environmental Document (Technical Memorandum) for inclusion in the PER. A rural and an urban typical with sidewalk and trail will be reviewed.

The following environmental data will be collected and analyzed for up to two design alternatives (urban vs rural sections).

**Preliminary Project Research (Task 4D-a)**

This process consists of obtaining permit-related information about existing roadway, wetland, or stormwater sites which may require modification. Earth Resources will coordinate with U.S. Army Corps of Engineers (USACE) and the Southwest Florida Water Management District (SWFWMD) for pre-application meetings to discuss wetland impacts, mitigation requirements and design and permitting considerations for each alternative. The results of this coordination will be documented for use during the design.

Research regarding state owned lands near/under the bridge will be conducted. Data including existing leases/easements, the potential need for modification of existing or need for new authorization will be summarized to determine what efforts will be needed during the design and permitting phase.

***Field Work (Task D-b, D-c)***

**Wetland Jurisdictional Lines and Assessments (Task 4D-b)**

- Determination of landward extent of wetlands and other surface waters as defined in Rule Chapter 62-340, F.A.C. as ratified in Section 373.4211, F.S. and the USACE Interim Regional Supplement to the Wetland Delineation Manual.
- Obtain information concerning each wetland including, but not limited to: floral species, faunal species, amount, and types of previous disturbance.
- Classify wetlands utilizing U.S. Fish & Wildlife Service's (USFWS) "Classification of Wetlands and Deep-Water Habitats of the United States, 1979"and Florida Land Use cover and Forms Classification System (FLUCCS).
- Evaluate wetland encroachments (qualitative not quantitative comparison).
- Obtain information to generally describe the project area and within the proposed right-of-way limits including common and scientific names for dominant and/or representative species.

**Wildlife Assessment (Task 4D-c)**

Wildlife observed in field will be noted as well as what species might be expected to be found based on habitat type, etc. Scientists will identify any "critical habitat" as defined by the USFWS, as well as informally survey the alternatives for federally and state designated endangered and threatened species, individuals, or other positive

indications (nests, burrows, droppings, etc.) of their presence.

***Environmental Document (Task 4D-d)***

The information gathered will be summarized for inclusion in the Environmental Document (Technical Memorandum) for inclusion on the PER. Items included in this document will include:

- Aerial maps showing the location of jurisdictional wetlands and surface waters.
- Classification of all wetlands according to the USFWS classification system and FLUCCS.
- Evaluation of effects upon wetland values, hydrology, water quality, sedimentation and erosion, vegetation, etc.
- Qualitative comparison of wetland impacts by alternatives
- Summary of practicable minimization measures (bridging of wetland areas, selective clearing and grubbing, retention walls, etc.).
- Evaluation of mitigation options including banks.
- A preliminary UMAM analysis will be prepared for all wetlands surface waters.
- Summary of coordination efforts with the USFWS, FFWCC, SWFWMD, USACE, concerning mitigation to offset adverse impacts.
- Protected Species and Habitat Impact Analysis. Evaluation of endangered species, impacts, such as destruction or isolation of habitat, displacement, or degradation of food resources, etc.
- Identification of protected species habitat impact minimization measures, such as avoiding construction during the nesting season, relocating endangered individuals, design modifications, etc.
- Permitting considerations/requirements, mitigation alternatives/costs and impacts per alternative.
- Evaluation of Essential Fish Habitat (EFH) per National Marine Fisheries Service (NMFS) criteria (desktop mapping/research effort).

A Draft PER will be submitted for review by the County. Comments will be addressed, and a Final Environmental Document (Technical Memorandum) will be prepared.

**TECHNICAL MEETINGS, QA/QC AND COORDINATION (Tasks 4D-l)**

Environmental staff will meet with the project team, Pinellas County, SWFWMD, FDEP, and USACE for coordination and project execution.

**ASSUMPTIONS:**

- On or off-site mitigation design and permitting is not included in this scope of services.
- Wetland mitigation bank fees are not included in the cost estimate.
- Permit application fees are not included in the cost estimate.
- Protected species formal surveys or permitting is not included in this scope of work.
- SSL coordination/permitting/authorization not included in this scope of work.

- In the event new regulations are adopted or implemented after the start of this contract, any additional work effort will be considered out of scope.
- Permit application preparation not included.
- Wetland impact drawings will be completed by the engineer.

# ECOLOGICAL SERVICES (EARTH RESOURCES)

Name of Project: Anclote Road Roadway and Stormwater Improvements

Consultant Name: **Earth Resources**
Date: 7/6/2021
Estimator: M. Reiter

| Staff Classification | Total Staff Hours | Principal Scientist | Senior Sceintist | Env. Scientist | - | - | - | - | - | - | - | - | - | - | - | - | SH By Activity | Salary Cost By Activity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $158.00 | $144.00 | $112.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | |
| 8a. Environmental Permits | 44 | 8.80 | 17.60 | 17.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.00 | $5,896 |
| 8b. Environmental Clearances | 163 | 32.60 | 65.20 | 65.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 163.00 | $21,842.00 |
| **Total Staff Hours** | **207** | **41.40** | **82.80** | **82.80** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **207.00** | |
| **Total Staff Cost** | | **$6,541.20** | **$11,923.20** | **$9,273.60** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | | **$27,738.00** |

| | |
|---|---|
| **Subtotal Labor:** | **$27,738.00** |
| **Expenses:** | **$0.00** |
| **Subtotal:** | **$27,738.00** |
| **GRAND TOTAL ESTIMATED FEE:** | **$27,738.00** |

# Task 4 Environmental Analysis & Reports — Earth Resources

| Representing | Print Name | Signature / Date |
|---|---|---|
| | | |
| | | |
| Consultant-Earth Resources: | **Melisa Reiter** | |

***NOTE: Signature Block is optional, per District preference***

| Task No. | Task | Units | No. of Units | Hours/ Units | Total Hours | Comments |
|---|---|---|---|---|---|---|
| **Environmental Permits** | | | | | | |
| 4D (a) | Preliminary Project Research | LS | 1 | 0 | 0 | Data gathering, prelim field visit, desktop background review from relevant sources including FDOT studies, county, local agencies, WMD, USACE, FDEP, etc. |
| **Permits** | | | | | | |
| **8a.2** | **Field Work** | | | | | |
| 8a.2.1 | Pond Site Alternatives | per pond site | 1 | 36 | 36 | Background research, field site review ( wetlands/wildlife), technical memorandum for one pond |
| 8a.2.2 | Wetland Jurisdictional Lines and Assessments | LS | 1 | 0 | 0 | |
| 8a.2.3 | Wildlife Assessment | LS | 1 | 0 | 0 | |
| ~~8a.2.4~~ | ~~Archeological Surveys~~ | ~~LS~~ | ~~1~~ | ~~0~~ | ~~0~~ | |
| 4D (f) | Agency Verification of Wetland Data | LS | 1 | 0 | 0 | |
| **4D (e)** | **Complete And Submit All Required Permit Applications** | | | | | |
| 4D (e) (g) | Wetland Permit Applications | LS | 1 | 0 | 0 | |
| 4D (e) (g) (i) | Species Permit Applications | LS | 1 | 0 | 0 | |
| 4D (h) | Coordinate and Review Dredge and Fill Sketches | LS | 1 | 0 | 0 | |
| **Mitigation** | | | | | | |
| 4D (k) | Compensatory Mitigation Plan | LS | 1 | 0 | 0 | |
| 4D (k) | Mitigation Coordination and Meetings | LS | 1 | 0 | 0 | |
| | **Environmental Permits Technical Subtotal** | | | | **36** | |
| 4D (l) | Technical Meetings | LS | 1 | 5 | 5 | Meetings |
| 4D (l) | Quality Assurance/Quality Control | LS | % | 3% | 1 | |
| 4D (l) | Supervision | LS | % | 3% | 1 | |
| | **Environmental Permits Nontechnical Subtotal** | | | | **7** | |
| 4D (l) | Coordination | LS | % | 3% | 1 | |
| | **8. Environmental Permit Total** | | | | **44** | |

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

| Task No. | Task | Units | No. of Units | Hours/ Units | Total Hours | Comments | | |
|---|---|---|---|---|---|---|---|---|
| **Technical Meetings** | | **Units** | **No. of Units** | **Hours/ Units** | **Total Hours** | **Comments** | | |
| | | | | | | | | |
| WMD | | EA | 1 | 3 | 3 | ! Meeting with WMD | | |
| NMFS | | EA | 0 | 0 | 0 | | | |
| USACE ~~ACOE~~ | | EA | 1 | 0 | 0 | | | |
| USCG | | EA | 0 | 0 | 0 | | | |
| USFWS | | EA | 1 | 0 | 0 | | | |
| FFWCC | | EA | 0 | 0 | 0 | | | |
| FDOT | | EA | 1 | 0 | 0 | | | |
| Other Meetings | | EA | 1 | 2 | 2 | Client/team meeting | | |
| **Subtotal Technical Meetings** | | | | | **5** | | | |
| Progress Meetings (if required by FDOT) | | EA | 0 | 0 | 0 | | | |
| Phase Review Meetings | | EA | 0 | 0 | 0 | | | |
| **Total Meetings** | | | **Carries above** | | **5** | | | |

# Task 4 Environmental Analysis & Reports  Earth Resources

| Task No. | Task | Units | No. of Units | Hours/ Units | Total Hours | Comments |
|---|---|---|---|---|---|---|
| **Environmental Clearances** | | | | | | |
| **4D (a)** | Preliminary Project Research | LS | 1 | 16 | 16 | Data gathering, prelim field visit, desktop background review from relevant sources including FDOT studies, county, local agencies, WMD, USACE, FDEP, etc. |
| **Permits** | | | | | | |
| **4D (b)(c)** | **Field Work** | | | | | |
| 8b.2.1 | Pond Site Alternatives | per pond site | 1 | 0 | 0 | N/A |
| 4D (b) | Wetland Jurisdictional Lines and Assessments | LS | 1 | 32 | 32 | 2 staff x 8 hours to set wetland boundaries, sketch location map, field data collection, coordinate with surveyor and review survey points. 1 staff x 16 hours for completion of agency wetland assessment program(s) and associated field forms. Assumes all work will be within existing ROW |
| 4D (c) | Wildlife Assessment | LS | 1 | 12 | 12 | Conduct preliminary wildlife surveys and review site for presence of protected species/habitat (Gopher tortoise, Eastern indigo snake, wood stork, etc).2 staff x 6 hours |
| **4D (d)** | **Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)** | | | | | |
| 4D (d) | NEPA or SEIR Reevaluation | LS | 1 | 36 | 36 | Prepare a draft environmental technical memo for inclusion in the PER. Address 1 round of comments from the County and finalize the memo |
| 4D (d) | Archaeological and Historical Resources | LS | 1 | 0 | 0 | N/A |
| 4D (d) | Wetland Impact Analysis | LS | 1 | 20 | 20 | research and compile information; qualitative not quantitative summary of alternatives. |
| 4D (d) | Essential Fish Habitat Impact Analysis | LS | 1 | 6 | 6 | research and compile information |
| 4D (d) | Protected Species and Habitat Impact Analysis | LS | 1 | 12 | 12 | research and compile information |
| 4D (d) | Contamination Impact Analysis | LS | 1 | 0 | 0 | N/A |
| 4D (d) | Asbestos Survey | LS | 1 | 0 | 0 | N/A |
| | **Environmental Clearances/ Reevaluations Technical Subtotal** | | | | **134** | |
| 4D (d) | Technical Meetings | LS | 4 | 4 | 16 | |
| 4D (d) | Quality Assurance/Quality Control | LS | % | 3% | 4 | |
| 4D (d) | Supervision | LS | % | 3% | 4 | |
| | **Environmental Clearances Nontechnical Subtotal** | | | | **24** | |
| 4D (d) | Coordination | LS | % | 3% | 5 | |
| | **8b. Environmental Clearances/ Reevaluations Total** | | | | **163** | |

| Task No. | Task | Units | No. of Units | Hours/ Units | Total Hours | Comments |
|---|---|---|---|---|---|---|
| **Technical Meetings** | | **Units** | **No. of Units** | **Hours/ Units** | **Total Hours** | **Comments** |
| | | | | | | |
| WMD | | EA | 1 | 4 | 4 | Meetings at left are for any technical staff. |
| NMFS | | EA | 1 | 4 | 4 | " |
| USACE ~~ACOE~~ | | EA | 1 | 4 | 4 | " |
| USCG | | EA | 0 | 0 | 0 | " |
| USFWS | | EA | 0 | 0 | 0 | assume no usfws coordination |
| FFWCC | | EA | 0 | 0 | 0 | assume no FFWCC coordination |
| FDOT | | EA | 0 | 0 | 0 | " |
| Other Meetings | | EA | 1 | 4 | 4 | County |
| **Subtotal Technical Meetings** | | | | | **16** | |
| Progress Meetings (if required by FDOT) | | EA | 0 | 0 | 0 | |
| Phase Review Meetings | | EA | 0 | 0 | 0 | |
| **Total Meetings** | | | | **Carries above** | **16** | |

# Optional Services
# Cultural Resources
# Pennoni
# SEARCH
# (Backup Data)

# Anclote Road Improvements

**ESTIMATE OF WORK EFFORT AND COST (PENNONI))**

Name of Project: Anclote Road Improvements (Cultural Resources) (Optional Services)
Client: Pinellas County

Consultant Name: Pennoni
Date: 5/17/2021

| Project Task | Total Staff Hours From "SH Summary - Firm" | Project Manager 2 | Senior Engineer | Engineer 2 | Engineer 1 | Chief Designer | Designer | Engineering Intern | - | - | - | - | - | Hours By Activity | Fee Cost By Activity | Average Rate Per Task |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $220.00 | $220.00 | $184.00 | $138.00 | $165.00 | $135.00 | $103.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | | |
| Task 1 Project Requirements | 3.00 | 0.30 | 0.15 | 0.48 | 0.69 | 0.78 | 0.45 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | $487.44 | $162 |
| Task 2 Public Involvement | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | $0.00 | $0 |
| Task 3 Eng Analysis & Considerations | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | $0.00 | NA |
| Task 4 Environmental Analysis & Reports | 8.00 | 0.80 | 0.00 | 2.00 | 4.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | $1,294.00 | $0 |
| Task 5 Prel Engineering Report Document | 3.00 | 0.30 | 0.15 | 0.75 | 0.75 | 0.60 | 0.30 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | $495.45 | $165 |
| Task 6 Utility Designation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | $0.00 | $0 |
| **Total Staff Hours** | 14.00 | 1.40 | 0.30 | 3.23 | 5.44 | 2.58 | 0.75 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.00 | | |
| **Total Staff Cost** | | $308.00 | $66.00 | $594.32 | $750.72 | $425.70 | $101.25 | $30.90 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | **$2,276.89** | **$163** |

| | |
|---|---|
| **Subtotal Labor:** | **$2,276.89** |
| **Expenses:** | **$0.00** |
| **Subtotal:** | **$2,276.89** |
| N/A | $0.00 |
| N.A | $0.00 |
| **Subtotal:** | **$0.00** |
| **GRAND TOTAL ESTIMATED FEE:** | **$2,276.89** |

## ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Project Name: Anclote Road Improvements (Cultural Resources) (Optional Services

Date: 5/17/2021 Name of Consultant: Pennoni

| WORK ACTIVITY | Hours from "Summary" sheet | EMPLOYEE CLASSIFICATION | | | | | | | | | | | | TOTAL STAFF HOURS RANGE | | ON CADD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Firm Total | Project Manager 2 | Senior Engineer | Engineer 2 | Engineer 1 | Chief Designer | Designer | Engineering Intern | - | - | - | - | - | | | |
| | Hours | Hours | Hours | Hours | Hours | Hours | Hours | Hours | Hours | Hours | Hours | Hours | Hours | | | PERCENT |
| Task 1 Project Requirements | 3.00 | 0.30 | 0.15 | 0.48 | 0.69 | 0.78 | 0.45 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 3.00 | |
| Task 2 Public Involvement | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Task 3 Eng Analysis & Considerations | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Task 4 Environmental Analysis & Reports | 8.00 | 0.80 | 0.00 | 2.00 | 4.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | 9.00 | |
| Task 5 Prel Engineering Report Document | 3.00 | 0.30 | 0.15 | 0.75 | 0.75 | 0.60 | 0.30 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 3.00 | |
| Task 6 Utility Designation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| TOTALS | 14.00 | 1.40 | 0.30 | 3.23 | 5.44 | 2.58 | 0.75 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.00 | 15.00 | |
| | | | | | | | | | | | | **FIRM TOTAL** | | **14** | **15** | |

## ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - FIRM TOTAL

Project Name: Anclote Road Improvements (Cultural Resources) (Optional Services

Date: 5/17/2021 Name of Consultant: Pennoni

**Staff Hour Distribution Percentages - Firm Total**

| | Hours from "Summary" sheet Firm Total | Project Manager 2 | Senior Engineer | Engineer 2 | Engineer 1 | Chief Designer | Designer | Engineering Intern | - | - | - | - | - | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Task 1 Project Requirements | 3 | 10.0% | 5.0% | 16.0% | 23.0% | 26.0% | 15.0% | 5.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.00% |
| Task 2 Public Involvement | 0 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.00% |
| Task 3 Eng Analysis & Considerations | 0 | 8.0% | 5.0% | 15.0% | 23.0% | 25.0% | 19.0% | 5.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.00% |
| Task 4 Environmental Analysis & Reports | 8 | 10.0% | 0.0% | 25.0% | 50.0% | 15.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.00% |
| Task 5 Prel Engineering Report Document | 3 | 10.0% | 5.0% | 25.0% | 25.0% | 20.0% | 10.0% | 5.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.00% |
| Task 6 Utility Designation | 0 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.00% |

## Task 1 Project Requirements



| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| NOTE: * subject to QC | | | | | | |
| A | **Technical Meetings and Other** | | | | | |
| | Schedule | EA | 1 | 0 | 0 | |
| | Meetings and Presentations | EA | 1 | 3 | 3 | see table below |
| | | | | **Subtotal** | **3** | |
| B | **Contract Management** | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **3** | |
| | | | | **QC** | **0** | |
| | **Quality Assurance / Quality Control** | EA | % | 5% | 0 | |
| | | | | **TOTAL HOURS** | **3** | |

| Meetings | | Units | No of Units | Hours/ Unit | Total Hours | Comments |
|---|---|---|---|---|---|---|
| Kick-Off | Kick Off | EA | 1 | 0 | 0 | |
| Roadway | Typical Section, Concepts and Alternatives | EA | 1 | 0 | 0 | |
| | Access Management | EA | 1 | 0 | 0 | |
| | Concepts | EA | 1 | 0 | 0 | |
| Drainage | Linear and Offsite Pond Systems | EA | 1 | 0 | 0 | |
| | Drainage for Roadway/Culvert | EA | 1 | 0 | 0 | |
| | Agency | EA | 1 | 0 | 0 | |
| Structures | Structures for Culvert Crossing and Walls | EA | 1 | 0 | 0 | |
| | WMD | EA | 1 | 0 | 0 | |
| | NMFS | EA | 1 | 0 | 0 | |
| | USACE | EA | 1 | 0 | 0 | |
| | USCG | EA | 1 | 0 | 0 | |
| | USFWS | EA | 1 | 0 | 0 | |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| Env / Other | NPS | EA | 1 | 0 | 0 | |
| | SHPO | EA | 1 | 3 | 3 | 1 staff x 3hrs |
| | USFS | EA | 1 | 0 | 0 | |
| | FFWCC | EA | 1 | 0 | 0 | |
| | USDA & NRCS | EA | 1 | 0 | 0 | |
| | USDOI | EA | 1 | 0 | 0 | |
| | FDOT | EA | 1 | 0 | 0 | |
| | Cultural Resources Coordination | EA | 1 | 0 | 0 | |
| | FDEP | EA | 1 | 0 | 0 | |
| | Environmental | EA | 1 | 0 | 0 | |
| | Right-of-Way | EA | 1 | 0 | 0 | |
| | Other | EA | 1 | 0 | 0 | |
| Traffic | Traffic Methodology | EA | 1 | 0 | 0 | |
| | Traffic Design | EA | 1 | 0 | 0 | |
| | Traffic Analysis including Multimodal | EA | 1 | 0 | 0 | |
| Utilities and Railroad | UAO & DUO | EA | 1 | 0 | 0 | |
| | Railroad Office | EA | 1 | 0 | 0 | |
| Tolls | Tolls | EA | 1 | 0 | 0 | |
| PM / EMO | Local Governments (cities, counties, MPO) | EA | 1 | 0 | 0 | |
| | **Subtotal Technical Meetings** | | | | **3** | |
| | Progress Meetings | EA | 1 | 0 | 0 | |
| | PER Phase Review Meetings | EA | 1 | 0 | 0 | |
| | Misc. Review Meetings | EA | 1 | 0 | 0 | |
| | **Total Meetings** | | | | **3** | |

## Task 4 Environmental Analysis & Reports



| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| **A** | **Land Use Changes** | | | | | |
| | Land use Consistency | LS | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| **B** | **Mobility** | | | | | |
| | Mobility Impacts | LS | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| **C** | **Cultural Resources** | | | | | |
| | Archaeological and Historic Resources | | | | | |
| | Cultural Resource Assessment Survey (CRAS) | LS | 1 | 8 | 8 | Coordination with SEARCH |
| | | | | **Subtotal** | **8** | |
| **D** | **Natural Resources** | | | | | |
| | Natural Resource Evaluation | LS | 1 | 0 | 0 | |
| | | | | **Subtotal** | **0** | |
| | | | | **Total** | **8** | |
| | **Quality Assurance / Quality Control** | LS | % | 5% | 0 | |
| | | | | **TOTAL** | **8** | |

## Task 5 Prel Engineering Report Document



| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| | | | | | | |
| | **Preliminary Engineering Report Document (PER)** | | | | | |
| | Preliminary Engineering Report (PER) | LS | 1 | 3 | 3 | Coordinate report for Cultural Resources |
| | 30% Plans Deliverables | LS | 1 | 0 | 0 | |
| | | | | **Subtotal** | **3** | |
| | **Quality Assurance / Quality Control** | LS | % | 5% | 0 | |
| | | | | **TOTAL** | **3** | |

**CULTURAL RESOURCES (SEARCH)**

Name of Project: Anclote Road Improvements (Optional Services)
Client: Pinellas County

Consultant Name: SEARCH, Inc.
Date: 5/17/2021

| Project Task | Total Staff Hours From "SH Summary - Firm" | Project Manager | Chief Archaeologist | Sr. Scientist | Scientist | Sr. Archaeologist | Archaeologist | GIS Specialist | Secretary Clerical | - | 0 | 0 | #REF! | SH By Activity | Salary Cost By Activity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $172.00 | $135.00 | $123.00 | $90.00 | $103.00 | $89.00 | $87.00 | $90.00 | $0.00 | $0.00 | $0.00 | $0.00 | | |
| Task 4 Environmental Analysis & Reports | 384 | 7.68 | 15.36 | 38.40 | 46.08 | 111.36 | 115.20 | 24.96 | 24.96 | 0.00 | 0.00 | 0.00 | 0.00 | 384.00 | $38,405.76 |
| **Total Staff Hours** | 384 | 7.68 | 15.36 | 38.40 | 46.08 | 111.36 | 115.20 | 24.96 | 24.96 | 0.00 | 0.00 | 0.00 | 0.00 | 384.00 | |
| **Total Staff Cost** | | $1,320.96 | $2,073.60 | $4,723.20 | $4,147.20 | $11,470.08 | $10,252.80 | $2,171.52 | $2,246.40 | $0.00 | $0.00 | $0.00 | $0.00 | | **$38,405.76** |

| | |
|---|---|
| **Subtotal Labor:** | **$38,405.76** |
| **Expenses:** | **$0.00** |
| **Subtotal:** | **$38,405.76** |
| **GRAND TOTAL ESTIMATED FEE:** | **$38,405.76** |

| Task No. | Task | Units | # of Units | Hours / Unit | Hours | Comments |
|---|---|---|---|---|---|---|
| **4** | **Cultural Resources** | | | | | |
| | Research Design and Survey Methodology | EA | 0 | 0 | 0 | Included in CRAS. |
| C | Archaeological and Historic Resources | | | | | |
| | Cultural Resource Assessment Survey (CRAS) | EA | 1 | 346 | 346 | Assume APE can be limited to existing right-of-way for majority of project with the exception of the western 1500 feet (segment at 45-degree angle connecting to Anclote Blvd); APE will extend to adjacent parcels for this 1500-ft segment. High, moderate, and low probability archaeological testing of existing/proposed ROW = 10 days for 2 ppl. Architectural history survey fieldwork, preparation of Historic Resources Table, and development of significance evaluations (15 historic resources [10 along eastern 1500 feet + anticipate needing to expand APE for up to 5 additional historic parcels]). Laboratory analysis of recovered artifacts. Includes coordination for utility locates, background research, and preparation of technical report including report text, field and report graphics, technical editing, quality control, quality assurance, clerical support, project administration (progress reports, team teleconferences) |
| | CRAS Addendum or Technical Memo. for Pond Sites | EA | 0 | 0 | 0 | Not anticipated. |
| | Determination of Eligibility (DOE) As Required | EA | 0 | 0 | 0 | Not anticipated. |
| | Case Study Report | EA | 0 | 0 | 0 | Not anticipated. |
| | Memorandum of Agreement (MOA) | EA | 0 | 0 | 0 | Not anticipated. |
| | Section 4(f) Evaluation for Historic Resources | EA | 0 | 0 | 0 | Not anticipated. |
| | Section 106 Consultation Meetings | EA | 0 | 0 | 0 | Not anticipated. |
| | Native American Coordination Meeting | EA | 0 | 0 | 0 | Not anticipated. |
| | Section 106 Public Involvement | EA | 0 | 0 | 0 | Not anticipated. |
| | Florida Master Site File Form* | EA | 1 | 20 | 20 | 1 Resource Form (including required maps and photos) for each identified site/structure (15 historic resources + 4 archaeological sites) + 1 Survey Log sheet for project = est. 20 forms. |
| | Recreational, Section 4(f) | | | | | |
| | Section 4(f) Determination of Applicability | EA | 1 | 0 | 0 | |
| | Section 4(f) "de minimis" documentation | EA | 1 | 0 | 0 | |
| | Section 4(f) Evaluation | EA | 1 | 0 | 0 | |
| | | | | **Subtotal** | **366** | |
| | **Quality Assurance / Quality Control** | EA | % | 5% | 18 | |
| | | | | **TOTAL** | **384** | |

# EXHIBIT B

**Date:** July 31, 2020
**Reference:** Anclote Road Roadway and Stormwater Improvements – Professional Engineering Services – 190-0209-NC (SS)

| Schedule of Rate Values | |
|---|---|
| **Job Classification** | **Fully Loaded Hourly Rate** |
| Chief Designer | $165 |
| Chief Engineer | $238 |
| Chief Planner | $250 |
| Chief Scientist | $215 |
| Contract Coordinator | $102 |
| Designer | $135 |
| Engineer 1 | $138 |
| Engineer 2 | $184 |
| Engineering Intern | $103 |
| Principal Engineer | $260 |
| Project Manager 1 | $177 |
| Project Manager 2 | $220 |
| Project Planner | $125 |
| Senior Designer | $130 |
| Secretary/Clerical | $87 |
| Senior Engineer | $220 |
| Senior Planner | $190 |
| Senior Environmental Specialist | $135 |
| Senior Utility Coordinator | $161 |
| Chief Surveyor | $180 |
| Field Crew Supervisor | $93 |
| Principal Surveyor | $182 |
| Project Surveyor | $140 |
| Senior Surveyor | $180 |
| Surveyor | $114 |
| 2-Person Survey Crew | $150 |
| 3-Person Survey Crew | $196 |

The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

E. Peter Nikolov

7/31/2020

E. Peter Nikolov, PE
Vice President

Date

**EXHIBIT B**

**Date:**
**Reference: 190-0209-NC (SS), Anclote Road Roadway and Stormwater Improvements**

| Schedule of Rate Values (Adams Traffic, Inc) | |
|---|---|
| **Job Classification** | **Fully Loaded Hourly Rate** |
| Chief Engineer | $ 219.17 |
| Sr Engineering Technician | $ 72.53 |
| | $ |
| | $ |
| | $ |
| | $ |
| | $ |
| | $ |
| | $ |
| | $ |

The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

Name: Nancy Adams, PE
Title: President

5/5/21
Date

Exhibit B

Anclote Road Roadway and Stormwater Improvements
Contract No. 190-0209-NC (SS)

| Job Class | Rate |
|---|---|
| CADD/Computer Technician | $90 |
| Chief Designer | $140 |
| Chief Engineer 1 | $235 |
| Chief Engineer 2 | $255 |
| Designer | $125 |
| Engineer 1 | $135 |
| Engineer 2 | $175 |
| Engineering Intern | $100 |
| Engineering Technician | $100 |
| Principal Engineer | $255 |
| Secretary/Clerical | $85 |
| Senior Designer | $130 |
| Senior Engineer 1 | $190 |
| Senior Engineer 2 | $235 |
| Senior Engineering Technician | $115 |
| | |

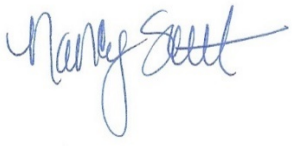
EARTH RESOURCES
CONSULTING SCIENTISTS

**EXHIBIT B**

**Date: July 30, 2020**
**Reference: Anclote Road Roadway and Stormwater Improvements – Professional Engineering Services 190-0209-NC (SS)**

| **Schedule of Rate Values** | |
|---|---|
| **Job Classification** | **Fully Loaded Hourly Rate** |
| Principal Scientist | $153 |
| Senior Scientist | $138 |
| Environmental Scientist II | $107 |
| Field Technician | $90 |
| Administrative | $80 |
| GIS Technician | $60 |
| Gopher Tortoise Agent | $103 |
| | $ |
| | $ |
| | $ |
| | $ |
| | $ |
| | $ |
| | $ |

The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.



_____ 07/20/20
Name Nancy Scott Date
Title President

ECHO
UTILITY ENGINEERING & SURVEY

# EXHIBIT B

**Date:** **July 27, 2020**
**Reference:** **Anclote Road Roadway and Stormwater Improvements – Professional Engineering Services – 190-0209-NC (SS)**

| Schedule of Rate Values | |
|---|---|
| **Job Classification** | **Fully Loaded Hourly Rate** |
| Project Manager | $163.00 |
| Senior Surveyor | $172.00 |
| Project Surveyor | $126.00 |
| Survey/SUE/CADD Technician | $76.00 |
| SUE Field Crew Supervisor | $130.00 |
| SUE Technician 3 | $65.00 |
| SUE Technician 1 | $41.00 |
| Survey Party Chief | $77.00 |
| Survey Technician 3 | $61.00 |
| Survey Technician 1 | $40.00 |
| SUE Designating/Locating Crew (2-Person) | $195.00 |
| SUE Designating/Locating Crew (3-Person) | $236.00 |
| Survey Crew (3-Person) | $178.00 |
| Survey Crew (4-Person) | $218.00 |

The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

07/27/2020

Name Jeraldo Comellas, Jr., PE
Title President

Date

# First Choice Land Acquisition Group, LLC

6328 Gondola Drive
Riverview, FL 33578-1306
(813) 244-4667 (Mobile)
info@FCLAG.com
www.FCLAG.com


## EXHIBIT B

**Date:** July 31, 2020
**Reference:** Pinellas County - Anclote Road Roadway and Stormwater Improvements
Professional Engineering Services – 190-0209-NC (SS)

| Schedule of Rate Values | |
|---|---|
| **Job Classification** | **Fully Loaded Hourly Rate** |
| Administrative | $ 83.00 |
| Land Acquisition | $150.00 |
| | $ |
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The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

Name: Pamela L. Taylor Date: 7/31/2020
Title: President/CEO

# EXHIBIT B

**Date:** **July 27, 2020**
**Reference:** **Anclote Road Roadway and Stormwater Improvements – Professional Engineering Services – 190-0209-NC (SS)**

| Schedule of Rate Values | |
|---|---|
| **Job Classification** | **Fully Loaded Hourly Rate** |
| Project Manager | $172.00 |
| Chief Archaeologist | $135.00 |
| Senior Scientist (Architectural Historian) | $123.00 |
| Scientist (Historian) | $90.00 |
| Sr. Archaeologist | $103.00 |
| Archaeologist | $89.00 |
| GIS Specialist | $87.00 |
| Secretary/ Clerical | $90.00 |
| | $ |
| | $ |
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The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

Elizabeth J. Chambless
Sr. Project Manager

7/27/2020
Date

# TIERRA

## Exhibit B

**Date:** **July 27, 2020**
**Reference:** **Anclote Road Roadway and Stormwater Improvements – Professional Engineering Services – 190-0209-NC (SS)**

| Schedule of Rate Values | |
|---|---|
| **Job Classification** | **Fully Loaded Hourly Rate** |
| Chief Engineer | $219.00 |
| Chief Scientist | $175.00 |
| Engineer | $138.00 |
| Engineering Intern | $98.00 |
| Engineering Technician | $84.00 |
| Principal Engineer | $219.00 |
| Secretarial / Clerical | $77.00 |
| Senior Engineer | $193.00 |
| Senior Engineering Technician | $102.00 |
| Senior Designer | $123.00 |
| Senior Scientist | $147.00 |
| | |
| | |
| | |
| | |
| | |

The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

_____ 7/27/2020

Larry Moore, P.E. Date
Vice President

| Item Description | Unit | Unit Price |
|---|---|---|
| **Geotechnical Field Investigation** | | |
| 401-Geo Auger Borings- Hand & Truck/Mud Bug | LF | $ 10.00 |
| 402-Geo Auger Borings- Track | LF | $ 12.00 |
| 403-Geo Backhoe (Owned) | Day | $ 600.00 |
| 405-Geo Barge (Owned) | Day | $ 2,500.00 |
| 407-Geo Chainsaw (Owned) | Day | $ 28.00 |
| 415-Geo Double Ring Infiltration (ASTM D3385) | Each | $ 525.00 |
| 416-Geo Dozer (Owned) | Day | $ 800.00 |
| 418-Geo Drill Crew Support Vehicle | Day | $ 160.00 |
| 531-Geo Truck/Mudbug Drill Rig and Crew (2-Person) | Hour | $ 135.00 |
| Site Clearing to Access Boring or Test Locations | Hour | $ 210.00 |
| 532-Geo Truck/Mudbug Drill Rig and Crew (3-Person) | Hour | $ 185.00 |
| 421-Geo Dynamic Pile Testing/Pile Driving Analysis | Day | $ 1,700.00 |
| 422-Geo Extra SPT Samples-Barge/Track/Amphibious 000-050 Ft | Each | $ 71.00 |
| 423-Geo Extra SPT Samples-Barge/Track/Amphibious 050-100 Ft | Each | $ 71.00 |
| 424-Geo Extra SPT Samples-Barge/Track/Amphibious 100-150 Ft | Each | $ 85.00 |
| 425-Geo Extra SPT Samples-Barge/Track/Amphibious 150-200 Ft | Each | $ 85.00 |
| 427-Geo Extra SPT Samples-Truck/Mud Bug 000-050 Ft | Each | $ 71.00 |
| 428-Geo Extra SPT Samples-Truck/Mud Bug 050-100 Ft | Each | $ 71.00 |
| 429-Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft | Each | $ 85.00 |
| 430-Geo Extra SPT Samples-Truck/Mud Bug 150-200 Ft | Each | $ 85.00 |
| 432-Geo Field Permeability 0-10 Ft (Open - End Borehole Method) | Each | $ 310.00 |
| 434-Geo Ground Penetrating Radar (GPR) | Hour | $ 350.00 |
| 435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft | LF | $ 8.50 |
| 436-Geo Grout Boreholes- Barge/Track/Amphibious 050-100 Ft | LF | $ 11.00 |
| 437-Geo Grout Boreholes- Barge/Track/Amphibious 100-150 Ft | LF | $ 17.00 |
| 438-Geo Grout Boreholes- Barge/Track/Amphibious 150-200 Ft | LF | $ 25.00 |
| Geo Grout Boreholes- Truck 0-050 Ft | LF | $ 5.00 |
| Geo Grout Boreholes- Truck 50-100 Ft | LF | $ 7.00 |
| Geo Grout Boreholes- Truck 100-150 Ft | LF | $ 10.00 |
| Geo Grout Boreholes- Truck 150-200 Ft | LF | $ 14.00 |
| 440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft | LF | $ 6.00 |
| 441-Geo Grout Boreholes- Truck/Mud Bug 050-100 Ft | LF | $ 8.00 |
| 442-Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft | LF | $ 13.00 |
| 443-Geo Grout Boreholes- Truck/Mud Bug 150-200 Ft | LF | $ 18.00 |
| 445-Geo Grouted Monitor Well 2" 000-050 Ft | LF | $ 28.00 |
| 450-Geo Piezometer 2" 000-050 Ft | LF | $ 44.00 |
| 453-Geo Rock Coring Barge/Track/Amphibious 000-050 Ft less than 4" ID | LF | $ 52.00 |
| 455-Geo Rock Coring Barge/Track/Amphibious 050-100 Ft less than 4" ID | LF | $ 68.00 |
| 457-Geo Rock Coring Barge/Track/Amphibious 100-150 Ft less than 4" ID | LF | $ 85.00 |
| 459-Geo Rock Coring Barge/Track/Amphibious 150-200 Ft less than 4" ID | LF | $ 94.00 |
| 463-Geo Rock Coring Truck/Mud Bug 000-050 Ft less than 4" ID | LF | $ 45.00 |
| 465-Geo Rock Coring Truck/Mud Bug 050-100 Ft less than 4" ID | LF | $ 52.00 |
| 467-Geo Rock Coring Truck/Mud Bug 100-150 Ft less than 4" ID | LF | $ 60.00 |
| 473-Geo SPT Barge/Track/Amphibious 000-050 Ft | LF | $ 21.00 |
| 474-Geo SPT Barge/Track/Amphibious 050-100 Ft | LF | $ 28.00 |
| 475-Geo SPT Barge/Track/Amphibious 100-150 Ft | LF | $ 53.00 |

| Item Description | Unit | Unit Price |
|---|---|---|
| 476-Geo SPT Barge/Track/Amphibious 150-200 Ft | LF | $ 70.00 |
| Geo SPT Truck 0-50 Ft | LF | $ 12.00 |
| Geo SPT Truck 50-100 Ft | LF | $ 17.00 |
| Geo SPT Truck 100-150 Ft | LF | $ 31.00 |
| Geo SPT Truck 150-200 Ft | LF | $ 39.00 |
| 478-Geo SPT Truck-Mud Bug 0-50 Ft | LF | $ 15.00 |
| 479-Geo SPT Truck-Mud Bug 50-100 Ft | LF | $ 18.00 |
| 480-Geo SPT Truck-Mud Bug 100-150 Ft | LF | $ 32.00 |
| 481-Geo SPT Truck-Mud Bug 150-200 Ft | LF | $ 42.00 |
| 483-Geo Temp Casing 3" Barge/Track/Amphibious 0-050 Ft | LF | $ 14.00 |
| 484-Geo Temp Casing 3" Barge/Track/Amphibious 50-100 Ft | LF | $ 17.00 |
| 485-Geo Temp Casing 3" Barge/Track/Amphibious 100-150 Ft | LF | $ 20.00 |
| 486-Geo Temp Casing 3" Barge/Track/Amphibious 150-200 Ft | LF | $ 25.00 |
| Geo Temp Casing 3" Truck 0-050 Ft | LF | $ 8.00 |
| Geo Temp Casing 3" Truck 50-100 Ft | LF | $ 10.00 |
| Geo Temp Casing 3" Truck 100-150 Ft | LF | $ 12.00 |
| Geo Temp Casing 3" Truck 150-200 Ft | LF | $ 15.00 |
| 488-Geo Temp Casing 3" Truck/Mud Bug 000-050 Ft | LF | $ 10.00 |
| 489-Geo Temp Casing 3" Truck/Mud Bug 050-100 Ft | LF | $ 14.00 |
| 490-Geo Temp Casing 3" Truck/Mud Bug 100-150 Ft | LF | $ 17.00 |
| 491-Geo Temp Casing 3" Truck/Mud Bug 150-200 Ft | LF | $ 22.00 |
| 515-Geo Undisturbed Samples Barge/Track/Amphibious 000-050 Ft | Each | $ 200.00 |
| 516-Geo Undisturbed Samples Barge/Track/Amphibious 050-100 Ft | Each | $ 200.00 |
| 517-Geo Undisturbed Samples Barge/Track/Amphibious 100-150 Ft | Each | $ 200.00 |
| 518-Geo Undisturbed Samples Barge/Track/Amphibious 150-200 Ft | Each | $ 200.00 |
| 519-Geo Undisturbed Samples Truck/Mud Bug 000-050 Ft | Each | $ 200.00 |
| 520-Geo Undisturbed Samples Truck/Mud Bug 050-100 Ft | Each | $ 200.00 |
| 521-Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft | Each | $ 200.00 |
| 522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft | Each | $ 200.00 |
| 523-Geo Vibration & Noise Monitoring | Day | $ 900.00 |
| 524-Geo Vibration Monitoring | Day | $ 1,000.00 |
| 525-Geo Well Development | Hour | $ 140.00 |
| 609-Geo Mobilization Drill Rig Barge Mount | Each | $ 7,500.00 |
| 610-Geo Mobilization Drill Rig Track Mount | Each | $ 3,250.00 |
| 612-Geo Mobilization Drill Rig Truck Mount | Each | $ 410.00 |
| 614-Geo Mobilization Mudbug/All Terrain Vehicle | Each | $ 700.00 |
| 615-Mobilization Pile Driving Analyzer Equipment | Each | $ 345.00 |
| 618.1-Geo Support Safety Boat | Day | $ 500.00 |
| 618-Geo Mobilization Support Boat | Each | $ 500.00 |
| 619-Geo Mobilization Tri-Pod | Each | $ 1,250.00 |
| Flagman and Barricades 2-Man Crew Own Equipment | Day | $ 1,080.00 |
| 701-MOT Attenuator Truck | Hour | $ 340.00 |
| 702-MOT Channelizing Devices - Type I, II, VP, Drum (each) | Each | $ 5.00 |
| 706-MOT Portable Sign | Each | $ 30.00 |
| 708-MOT Provide Channelizing Devices - Cone | Each | $ 5.00 |
| 710-MOT Shadow Vhcle w/ Adv. Warning Arrow & Attenuator | Hour | $ 280.00 |
| 712-MOT Support Vehicle | Hour | $ 155.00 |
| Drilling Permit Costs IE DEP | Each | $ 250.00 |

| Item Description | Unit | Unit Price |
|---|---|---|
| **Geotechnical Laboratory Testing** | | |
| 101-Aggregate Carbonates & Organic Matter FM 5-514 | Test | $ 100.00 |
| 102-Aggregate Org. Impurities S& for Concrete AASHTO T21 | Test | $ 45.00 |
| 103-Aggregate Shell Content of Coarse Aggregate FM 5-555 | Test | $ 60.00 |
| 104-Aggregate Sieve Anlsys of Fine & Coarse AASHTO T27 | Test | $ 60.00 |
| 105-Aggregate Soundness AASHTO T104 | Test | $ 300.00 |
| 106-Aggregate Specific Gravity/Absorption Coarse AASHTO T85 | Test | $ 88.00 |
| 107-Aggregate Total Moisture Content by Drying AASHTO T255 | Test | $ 35.00 |
| 108-Aggregate Unit Mass & Voids AASHTO T19 | Test | $ 55.00 |
| 109-Aggregate Specific Gravity/Absorption Fine AASHTO T84 | Test | $ 89.00 |
| 200-Asphalt Bulk Specific Gravity FM 1-T166 | Test | $ 50.00 |
| 201-Asphalt Content FM 5-563 | Test | $ 145.00 |
| 204-Asphalt Gradation FM 1-T030 | Test | $ 75.00 |
| 206-Asphalt Los Angeles (LA) Abrasion Coarse Agg FM 3-C535 | Test | $ 310.00 |
| 207-Asphalt Los Angeles (LA) Abrasion Small Agg FM 1-T096 | Test | $ 297.00 |
| 800-Soils Chloride Soil or Water (FM 5-552) | Test | $ 110.00 |
| 803-Soils Consolidation - Constant Strain (ASTM D4186) | Test | $ 580.00 |
| 804-Soils Consolidation - Extended Load Increments (AASHTO T216) | Test | $ 50.00 |
| 805-Soils Corrosion Series (FM 5-550 through 5-553) | Test | $ 305.00 |
| 806-Soils Direct Shear Consolidated Drained/ Point AASHTO T 236 | Test | $ 250.00 |
| 810-Soils Limerock Bearing Ratio (LBR)(FM 5-515) | Test | $ 340.00 |
| 811-Soils Liquid Limit (AASHTO T 89) | Test | $ 60.00 |
| 812-Soils Materials Finer than 200 Sieve (FM 1-T011) | Test | $ 42.00 |
| 817-Soils Moisture Content Laboratory (AASHTO T 265) | Test | $ 10.00 |
| 819-Soils Organic Content Ignition (FM 1 T-267) | Test | $ 42.00 |
| 821-Soils Particle Size Analysis (AASHTO T 88) (Including Hydrometer) | Test | $ 131.00 |
| 822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer) | Test | $ 67.00 |
| 823-Soils Permeability Constant Head (AASHTO T 215) | Test | $ 225.00 |
| 824-Soils Permeability Falling Head (FM 5-513) | Test | $ 225.00 |
| 825-Soils pH Soil or Water (FM 5-550) | Test | $ 35.00 |
| 826-Soils Plastic Limit & Plasticity Index (AASHTO T 90) | Test | $ 70.00 |
| 827-Soils Proctor Modified (FM 1-T 180) | Test | $ 115.00 |
| 828-Soils Proctor Standard (AASHTO T 99) | Test | $ 111.00 |
| 829-Soils Resistivity Soil or Water (FM 5-551) | Test | $ 46.00 |
| 832-Soils Splitting Tensile Strength of Rock Cores (ASTM D3967) | Test | $ 138.00 |
| 833-Soils Sulfate Soil or Water (FM 5-553) | Test | $ 110.00 |
| 838-Soils Unconfined Compression - Rock (ASTM D7012, Method C) | Test | $ 138.00 |
| **Contamination Test Units** | | |
| EDR Report | Each | $ 500.00 |
| Organic Vapor Analyzer (OVA) | Day | $ 150.00 |
| Handheld GPS | Per Day | $ 80.00 |
| Field Sampling Kit (soil) | Each | $ 75.00 |
| Field Sampling Survey Kit (water) | Each | $ 75.00 |
| Power Auger Boring (includes decontamination to a depth of 25 feet) | Foot | $ 11.00 |
| BTEX and MTBE (Method 8260) | Each | $ 65.00 |
| Organochlorine Pesticides (Method 8081) | Each | $ 100.00 |
| Organophosphorous Pesticides (Method 8141) | Each | $ 125.00 |
| Chlorinated Herbicides (Method 8151) | Each | $ 100.00 |

| Item Description | Unit | Unit Price |
|---|---|---|
| Volatile Organics (Method 8260) | Each | $ 95.00 |
| Volatile Organics BTEX/MTBE(Method 8260) | Each | $ 60.00 |
| Semi-Volatiles (Method 8270) | Each | $ 200.00 |
| Polyaromatic Hydrocarbons (Method 8270) | Each | $ 100.00 |
| TPH Method FL-Pro | Each | $ 65.00 |
| RCRA 8 Metals (Method 6010/7471) | Each | $ 65.00 |
| RCRA Metals Individual (Method 6010/7471) | Each | $ 9.00 |
| Mercury Individual (Method 6010/7471) | Each | $ 25.00 |
| Ultr Low Trace Mercury GW Individual (Method 1631) | Each | $ 75.00 |
| Arsenic (Method 6010/7471) | Each | $ 9.00 |
| SPLP/TCLP Metals | Each | $ 198.00 |
| Asbestos Samples | Each | $ 15.00 |
| Polychlorinated Biphenals (8082) | Each | $ 75.00 |
| **Asphalt and Concrete Pavement Coring** | | |
| 209-Asphalt Pavement Coring – 4” dia with Base Depth Check | Each | $ 250.00 |
| 210-Asphalt Pavement Coring – 4” dia without Base Depth Check | Each | $ 200.00 |
| 211-Asphalt Pavement Coring – 6” dia with Base Depth Check | Each | $ 275.00 |
| 212-Asphalt Pavement Coring – 6” dia without Base Depth Check | Each | $ 225.00 |
| 300-Concrete Beam Flexural Testing ASTM C78 | Test | $ 50.00 |
| 301-Concrete Compressive Strength of Grout / Mortar ASTM C109 | Test | $ 40.00 |
| 302-Concrete Cylinder Curing, Capping & Breaking ASTM C39 | Test | $ 40.00 |
| 303-Concrete Drilled Cores & Sawed Beams ASTM C42 | Test | $ 40.00 |
| 305-Concrete Pavement Coring - 4" Dia | Each | $ 200.00 |
| 306-Concrete Pavement Coring - 6" Dia | Each | $ 225.00 |
| 603-Mobilization Asphalt Coring equipment | Each | $ 300.00 |
| 606-Mobilization Concrete Coring | Each | $ 300.00 |
| **Engineering and Technical Support Services** | | |
| Chief Engineer | Hour | $ 219.00 |
| Chief Scientist | Hour | $ 175.00 |
| Engineer | Hour | $ 138.00 |
| Engineering Intern | Hour | $ 98.00 |
| Engineering Technician | Hour | $ 84.00 |
| Principal Engineer | Hour | $ 219.00 |
| Secretary / Clerical | Hour | $ 77.00 |
| Senior Engineer | Hour | $ 193.00 |
| Senior Engineering Technician | Hour | $ 102.00 |
| Senior Designer | Hour | $ 123.00 |
| Senior Scientist | Hour | $ 147.00 |

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# EXHIBIT B

Date: July 28, 2020

Reference: Anclote Road Roadway and Stormwater Improvements – Professional Engineering Services – 190-0209-NC (SS)

| Schedule of Rate Values | |
|---|---|
| **Job Classification** | **Fully Loaded Hourly Rate** |
| Public Involvement / Community Outreach Specialist | $122.00 |
| Graphic Designer | $106.00 |
| Multimedia Specialist | $106.00 |
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The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

Valerie Ciudad-Real
President

08/18/2020
Date

## SECTION C – LIMITATION ON LIABILITY, INDEMNIFICATION, AND INSURANCE REQUIREMENTS

1. INSURANCE:

a) 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 within 10 days after award recommendation.

b) The Certificate(s) of Insurance shall be signed by authorized representatives of the insurance companies shown on the Certificate(s). **A copy of the endorsement(s) referenced in paragraph d) for Additional Insured shall be attached to the certificate(s) referenced in this paragraph.**

c) No work shall commence at any project site unless and until the required Certificate(s) of Insurance are received and approved by the County. Approval by the County of any Certificate(s) of Insurance does not constitute verification by the County that the insurance requirements have been satisfied or that the insurance policy shown on the Certificate(s) of Insurance is in compliance with the requirements of the Agreement. County reserves the right to require a certified copy of the entire insurance policy, including endorsement(s), at any time during the RFP and/or contract period.

d) All policies providing liability coverage(s), other than professional liability and workers compensation policies, obtained by the Consultant and any subcontractors to meet the requirements of the Agreement shall be endorsed to include **Pinellas County a Political subdivision of the State of Florida** as an Additional Insured.

e) If any insurance provided pursuant to the Agreement expires, or cancels prior to the completion of the work you will be notified by CTrax, the authorized vendor of Pinellas County. Upon notification, renewal certificate(s) of Insurance and endorsement(s) should be furnished to Pinellas County Risk Management at InsuranceCerts@pinellascounty.org and to CTrax c/o JDi Data at PinellasSupport@jdidata.com by the Consultant or their agent prior to the expiration date

(1) Consultant shall also notify County within twenty-four (24) hours after receipt, of any notices of expiration, cancellation, nonrenewal or adverse material change in coverage received by said 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, or at its sole discretion may purchase such coverages necessary for the protection of the County and charge the Consultant for such purchase or offset the cost against amounts due to Consultant for services completed. The County shall be under no obligation to purchase such insurance, nor shall it be responsible for the coverages purchased or the insurance company or companies used. The decision of the County to purchase such insurance shall in no way be construed to be a waiver of any of its rights under the Agreement.

f) The County reserves the right, but not the duty, to review and request a copy of the Contractor's most recent annual report or audited financial statement when a self-insured retention (SIR) or deductible exceeds $50,000.

g) If subcontracting is allowed under this RFP, the Prime 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 subcontractors to obtain and maintain, at all times during its performance of the Agreement, insurance limits as it may apply to the portion of the Work performed by the subcontractor; *but in no event will the insurance limits be less than $500,000 for Workers' Compensation/Employers' Liability, and $1,000,000 for General Liability and Auto Liability if required below.*

(1) All subcontracts between Consultant and its subcontractors shall be in writing and may be subject to the County's prior written approval. Further, all subcontracts shall (1) require each subcontractor to be bound to Consultant to the same extent 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 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 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; and (7) identify the County as an intended third-party beneficiary of the subcontract. 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.

h) 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. If Consultant is a Joint Venture per Section A. titled Joint Venture of this RFP, Certificate of Insurance and Named Insured must show Joint Venture Legal Entity name and the Joint Venture must comply with the requirements of Section C with regard to limits, terms and conditions, including completed operations coverage.

(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 Contractor.

(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) The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by County or any such future coverage, or to County's Self-Insured Retentions of whatever nature.

(5) All policies shall be written on a primary, non-contributory basis.

(6) Any Certificate(s) of Insurance evidencing coverage provided by a leasing company for either workers compensation or commercial general liability shall have a list of covered employees certified by the leasing company attached to the Certificate(s) of Insurance. The County shall have the right, but not the obligation to determine that the Consultant is only using employees named on such list to perform work for the County. Should employees not named be utilized by Consultant, the County, at its option may stop work without penalty to the County until proof of coverage or removal of the employee by the contractor occurs, or alternatively find the Consultant to be in default and take such other protective measures as necessary.

(7) Insurance policies, other than Professional Liability, shall include waivers of subrogation in favor of Pinellas County from both the Consultant and subcontractor(s).

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

(1) Workers' Compensation Insurance

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

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

| Limits | |
|---|---|
| Combined Single Limit Per Occurrence | $ 1.000,000 |
| Products/Completed Operations Aggregate | $ 2,000,000 |
| Personal Injury and Advertising Injury | $ 1,000,000 |
| General Aggregate | $ 2,000,000 |

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

| Limits | |
|---|---|
| Each Occurrence or Claim | $ 2,000,000 |
| General Aggregate | $ 2,000,000 |

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:

**SECTION C – LIMITATION ON LIABILITY, INDEMNIFICATION, AND INSURANCE REQUIREMENTS**

1) 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, clean up costs, and the loss of use of tangible property that has not been physically injured or destroyed;

2) Defense including costs, charges and expenses incurred in the investigation, adjustment or defense of claims for such compensation damages.

3) Cost of Cleanup/Remediation.

Limits

| | |
|---|---|
| Per Claim or Occurrence | $ 1,000,000 |
| General Aggregate | $ 1,000,000 |

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

**For herbicide and pesticide spraying operations only**, an endorsement to the Commercial General Liability policy that provides Pollution Liability coverage for herbicide and pesticide spraying is acceptable.

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