

**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:**

**Countywide Resurfacing, Restoration and Rehabilitation Paving Project Professional Engineering Services, County PID No. 003873A**

**RFP CONTRACT NO. 178-0525-NC (SS)**

**COUNTY PID NO. County PID No. 003873A**

**NON-CONTINUING FIRM: Cumbey & Fair, Inc.**

**PROFESSIONAL ENGINEERING SERVICES NON-CONTINUING SERVICES SAMPLE AGREEMENT**

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**SECTION 1  
INTENT OF AGREEMENT**

**AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR  
Countywide Resurfacing, Restoration, and Rehabilitation Paving Project Paving Project  
Professional Engineering Services, County PID No. 003873A**

THIS AGREEMENT, entered into on the 9<sup>TH</sup> day of APRIL, 2019, between PINELLAS COUNTY, a political subdivision of the State of Florida, hereinafter referred to as the COUNTY, represented by its Board of County Commissioners, and, **Cumbey & Fair, Inc.** 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 milling, resurfacing, and ADA improvements along various roadways in 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 consultant will be responsible for the preparation of construction plans for the resurfacing, restoration and rehabilitation, (RRR) improvements for the following roadways and subdivisions:

1. 49<sup>th</sup> Street North from 86<sup>th</sup> Ave to 110<sup>th</sup> Ave
2. 49<sup>th</sup> Street North from Ulmerton Rd to 118<sup>th</sup> Ave
3. 110<sup>th</sup> Avenue North from 102<sup>nd</sup> Ave to Ridge Rd
4. Nursery Road from Sunny Park Rd to US Hwy 19
5. Oakadia Drive Loop from Nursery Rd to Nursery Rd
6. Ridge Road from Old Oakhurst Rd to Ulmerton Rd
7. Sunset Point Road from Kings Highway to Keene Rd
8. Bayhaven Subdivision (off Oakhurst Rd north of Park Blvd)
9. Harbor Bluffs Subdivision (off Indian Rocks Rd south of West Bay Dr.)

The intent of this project is to mill and resurface the roadways listed above. In order to meet American's with Disabilities Act (A.D.A) regulations, the project includes addressing current A.D.A deficiencies relative to curb ramps, sidewalk gaps, and trip hazards.

To ensure proper coordination of projects and overall improvements, the consultant, with assistance from the County Project Manager, shall coordinate with Pinellas County Utilities for any planned or necessary utility work that is within the project limits and should be accomplished with the project. Likewise, the consultant shall coordinate with Pinellas County's Stormwater and Vegetation Division to ensure any necessary drainage work identified within the project limits is also addressed. Drainage needs will primarily consist of the replacement of existing corrugated metal pipe (CMP) as identified by the Stormwater and Vegetation Division's CMP Program, as well as addressing other pipe and drainage inlet deficiencies that are negatively effecting the roadway.

Portions of the work may also require coordination with other utility agency owners.

All improvements shall be designed in accordance with Pinellas County standards and specifications, FDOT standards and specifications, ADA standards as published by the United States Access Board and all applicable state and federal requirements.

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

#### 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.



## 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 2012 or later; as well as providing reproducible hard copies of plans and drawings. All specifications and other documents shall be delivered electronically and or on a CD ROM, in 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

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.

**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 the 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 as applicable:
  - 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. Reproduces of the COUNTY Engineering Department Standard Drawings applicable to the PROJECT.
- C. Sample copies of the COUNTY standard contract documents and specifications.
- D. Preparation of legal (front-end) section of the specifications.

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

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

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'S Director of Public Works or designee as often as reasonably requested and at any point in the PROJECT development should issues arise which make additional presentations other than those listed elsewhere in this Agreement, in the COUNTY'S best interest.

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



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'S Executive Director of the Public Works, or designee.

### **6.3 CONTINGENCY SERVICES**

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

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

### **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 billed 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. Aerial Photography (if required).
- B. Payment of Permit Fees (if required).
- C. Payment of the Public Information Meeting Advertisements, if required.
- D. Payment of the Court Reporter for public meetings, if required.
- E. Printing and Binding Services.

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

All progress reports shall be mailed to the attention of the designated Project Manager, Public Works, 22111 US Hwy 19 North, Clearwater, FL 33765.

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 3.10, the COUNTY agrees to pay the CONSULTANT as follows:

- A Lump Sum Fee of: Nine Thousand Eight Hundred Sixty-Two and 00/100 Dollars (\$9,862.00) for Task 1 – General Task Phase of the PROJECT.
- A Lump Sum Fee of: One Hundred Twenty-Five Thousand Four Hundred Forty and 00/100 Dollars (\$125,440.00) for Task 2 - Roadway Analysis Phase of the PROJECT.
- A Lump Sum Fee of: Twenty-Seven Thousand Three Hundred Eighteen and 00/100 Dollars (\$27,318.00) for Task 3 – Drainage Analysis Phase of the PROJECT.
- A Lump Sum Fee of: One Thousand Four Hundred Thirteen and 00/100 Dollars (\$1,413.00) for Task 4 – Environmental Permitting Phase of the PROJECT.
- A Lump Sum Fee of: Thirty-Eight Thousand Eight Hundred Seventy-Eight and 00/100 Dollars (\$38,878.00) for Task 5 – Traffic Design Phase of the PROJECT
- A Lump Sum Fee of: Twenty-Three Thousand Four Hundred Eighty-Four and 00/100 Dollars (\$23,484.00) for Task 6 – Utility Coordination Phase of the PROJECT
- A Lump Sum Fee of: Seventy-Five Thousand One Hundred Thirty and 50/100 Dollars (\$75,130.50) for Task 7 – Plans Preparation Phase of the PROJECT
- A Lump Sum Fee of: Thirty Six Thousand One Hundred Three and 00/100 Dollars (\$36,103.00) for Task 8 – Geotechnical Investigation Phase of the PROJECT
- A Lump Sum Fee of: One Hundred Thirty-Six Thousand Nine Hundred Thirty-Three and 00/100 Dollars (\$136,933.00) for Task 9 – Survey Phase of the PROJECT

The above fees shall constitute the total not to exceed amount of Four Hundred Seventy Four Thousand Five Hundred Sixty-One and 50/100 Dollars (**\$474,561.50**) 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: Ten Thousand Nine Hundred Seventy-Five and 00/100 Dollars (**\$10,975.00**) for the Task 10 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 Forty-Five Thousand and 00/100 Dollars (**\$45,000.00**) for all assignments performed.

7.4 Total agreement amount Five Hundred Thirty Thousand Five Hundred Thirty-Six and 50/100 Dollars (**\$530,536.50**).

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 twenty-one (21) 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 Director of Public Works or designee.

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 consultants 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 subcontractors, shall be performed to the reasonable satisfaction of the COUNTY'S Director of Public Works or designee.

## **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, subcontractor 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 Contractor 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 contractor 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 six hundred ninety-five (695) 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**

Contractor 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 Contractor 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](mailto:purchase@pinellascounty.org), Pinellas County Government, Purchasing Department, Operations Manager, 400 S. Ft. Harrison Ave, 6<sup>th</sup> Floor, Clearwater, FL 33756.**

**SECTION 28  
GOVERNING LAW AND AGREEMENT EXECUTION**

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

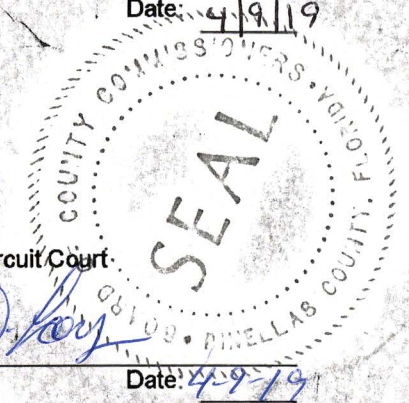
IN WITNESS WHEREOF, the parties herein have executed this Agreement as of the day and year first written above.

Firm Name: Cumbey & Fair, Inc.

PINELLAS COUNTY, by and through its  
Board of County Commissioners

By: [Signature]  
Print Name: Matthew Fabrizio  
Title: Vice President Date: 3/7/19

By: Karen Seel  
Name  
Chairman Date: 4/9/19



ATTEST:  
Ken Burke, clerk of the Circuit Court

By: [Signature]  
Deputy Clerk Date: 4/29/19

APPROVED AS TO FORM

By: [Signature]  
Office of the County Attorney



|   |
|---|
| <b>SECTION C – LIMITATION ON LIABILITY, INDEMNIFICATION, AND INSURANCE REQUIREMENTS</b> |
|---|

## 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 prior to award.
- b) Consultant shall email certificate that is compliant with the insurance requirements to [ssteele@pinellascounty.org](mailto:ssteele@pinellascounty.org). If certificate received with bid was a compliant certificate no further action may be necessary. The Certificate(s) of Insurance shall be signed by authorized representatives of the insurance companies shown on the Certificate(s). **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 prior to the completion of the Work, renewal Certificate(s) of Insurance and endorsement(s) shall be furnished by the Consultant to the County at least thirty (30) days 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 certified mail to: **Pinellas County Risk Management 400 South Fort Harrison Ave Clearwater FL 33756**; be sure to include your organization's unique identifier, which will be provided upon notice of award. 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.*



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

- (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 |
|------------------------------------|-------------------|
| <b>Employers’ Liability Limits</b> |                   |
| Per Employee                       | \$ 500,000        |
| Per Employee Disease               | \$ 500,000        |
| Policy Limit Disease               | \$ 500,000        |



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

- (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) Business Automobile or Trucker's/Garage Liability Insurance covering owned, hired, and non-owned vehicles. If the Consultant does not own any vehicles, then evidence of Hired and Non-owned coverage is sufficient. Coverage shall be on an "occurrence" basis, such insurance to include coverage for loading and unloading hazards, unless Consultant can show that this coverage exists under the Commercial General Liability policy.

Limit

|                                    |              |
|------------------------------------|--------------|
| Combined Single Limit Per Accident | \$ 1,000,000 |
|------------------------------------|--------------|

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

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.

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

**Exhibit A**

**SCOPE OF SERVICES**

**ENGINEERING CONSULTING SERVICES**

**Contract No. 178-0525-NC**

**(BASE CONSULTANT AGREEMENT)**

**Design Services  
For**

**Countywide Resurfacing, Restoration and Rehabilitation  
Paving Project – Professional Engineering Services**

**County PID: 003873A**

**Prepared for:**

**Pinellas County  
Public Works  
22111 US Hwy 19 North  
Clearwater, FL 33765**

**Prepared by:**

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

**February 2019**



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## **SCOPE OF SERVICES FOR ENGINEERING CONSULTING SERVICES**

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

### **I. PROJECT TITLE**

CONSULTANT for Professional Engineering Services for the Countywide Resurfacing, Restoration and Rehabilitation paving projects.

### **II. OBJECTIVE**

The overall objective of this document is to describe the scope of work and responsibilities of the CONSULTANT developing plans and specifications for the design of rehabilitation and restoration and resurfacing improvements for the arterial, collector, and local roadways identified through the Pavement Management Program in Pinellas County, Florida for FY 2020.

### **III. PROJECT DESCRIPTION**

The projects consists of milling and resurfacing, pavement markings, utilities design, utility coordination, minor drainage, replacement of existing corrugated metal pipe (CMP), addressing current ADA deficiencies related to sidewalks, ramps and driveways for the following listed roadways and subdivisions:

1. 49th Street North from 86th Ave to 110th Ave
2. 49th Street North from Ulmerton Rd to 118th Ave
3. 110th Avenue North from 102nd St to Ridge Rd
4. Nursery Road from Sunny Park Rd to US Hwy 19
5. Oakadia Drive Loop from Nursery Rd to Nursery Rd
6. Ridge Road from Old Oakhurst Rd to Ulmerton Rd
7. Sunset Point Road from Kings Highway to Keene Rd
8. Bayhaven Subdivision (off Oakhurst Rd north of Park Blvd)
9. Harbor Bluffs Subdivision (off Indian Rocks Rd south of West Bay Dr)

### **IV. SCOPE OF WORK**

Pinellas County is seeking the professional services of an engineering consultant to prepare separate plan sets and specifications for each of the above projects to be used by the construction contractor to build the project and by the COUNTY to ensure that the project is built as designed and to specifications. Elements of work shall include roadway, limited survey, drainage, utility relocations, utility coordination, Geotechnical investigation, pavement markings, minor signals, maintenance of traffic, cost estimates, environmental permits, quantity computations and all necessary incidental items for a complete project. All required permits shall be obtained by the engineering CONSULTANT. Plans shall be prepared in accordance with Civil 3D Pinellas County Requirements.

#### **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.
- 3D Project Corridor will not be required for this project.



**Task 1: GENERAL TASKS**

Specifications Package Preparation: The CONSULTANT shall assist the COUNTY in preparation of a complete specifications package. The CONSULTANT shall provide all applicable Technical Special Provisions and review of all required COUNTY and FDOT supplemental specifications for all items and areas of work. The CONSULTANT shall utilize the appropriate COUNTY approved pay item structure.

Project Meetings: The CONSULTANT shall attend four (4) Monthly progress meetings (assumed 6 month schedule). The CONSULTANT shall provide meeting minutes for review and approval to the COUNTY.

Right-of-Entry Coordination: The CONSULTANT shall prepare sketches to be approved by the County's Real Estate Department and sent to property owners along the project corridor, modification of the letter for each property owner receiving the letter, and a sketch of proposed sidewalks or driveways needing modification(s) for each affected property. Effort includes submittal of the letters to County for review as well as revisions.

**Task 2: ROADWAY ANALYSIS**

Horizontal Design Files: The CONSULTANT shall design the geometrics using the design standards that give proper consideration to the adjacent land use, design consistency and driver expectancy, aesthetics, pedestrian and bicycle concerns, ADA requirements, elder road user policy, and scope of work. At a minimum, the Florida Greenbook Standards (2016) shall be met.

Design Criteria Memorandum: The CONSULTANT shall develop project specific design criteria to be included in the design report. The CONSULTANT shall evaluate the approved geometrics approved by the COUNTY for the purpose of estimating design and construction needs based on initial observations. The CONSULTANT shall recommend to the COUNTY, either correction of any deficiencies, or obtaining the appropriate design variation or exceptions.

The CONSULTANT shall submit a request for variance for design criteria not conforming to the minimum Florida Greenbook requirements.

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

The design notes, data and computations shall be recorded on size 8-1/2" x 11" sheets, fully titled, numbered, dated, indexed and signed by the designer and the checker. Computer output forms and other oversized sheets shall be folded to 8-1/2"x11" size. The data shall be in a hardback folder for submittal to the COUNTY

Design Criteria Memorandum: The submittal shall include a summary of design criteria to be used for the project design. Any anticipated design variations and/or design exceptions should be listed.

Cross Section Design Files (Optional and only if survey is required/obtained to regrade, widen or add new sidewalk): The CONSULTANT shall establish and develop cross sections design files in accordance with the COUNTY and FDOT Plans Preparation manual. Assume sections every 50 ft. for earthwork.

Note: Cross section and earthwork will not be calculated utilizing the Corridor Civil 3D Pinellas County Requirements for this project.

Traffic Control Analysis: The CONSULTANT shall design a safe and effective Traffic Control Plan to

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

Pavement Design Report: The CONSULTANT shall provide a Pavement Design Package in accordance with submittal. The Pavement Design final report will be signed and sealed by the Engineer of Record. Design values and decisions for roadway features should reflect the anticipated service life of the project. The CONSULTANT shall base the Pavement Design Package on the recommendations from the site-specific Geo Technical report. The CONSULTANT has the responsibility to choose the specific design value to be used, taking into consideration its cost-effectiveness, which can vary from the minimum resurfacing criteria.

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

The design notes, data and computations shall be recorded on size 8-1/2"x11" sheets, fully titled, numbered, dated, indexed and signed by the designer and the checker. Computer output forms and other oversized sheets shall be folded to 8-1/2"x11" size.

Engineer's Estimate & Quantities: The CONSULTANT shall prepare an Opinion of Probable Construction costs for the design. The CONSULTANT shall utilize existing cost data available from the COUNTY.

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

Preliminary bid quantities shall be submitted with the conceptual and 60% design review submittals. Final bid quantities shall be submitted with the 100% design review submittal. Preliminary Opinion of Probable Construction costs shall be submitted with the 60% design review submittal. Final construction costs opinion, based on the final bid quantities, shall be submitted with the 100% design review submittal. Construction costs are to be based on approved schedule of values included in the Pinellas County work order contracts for the roadway, miscellaneous safety improvements, milling and resurfacing work.

Roadway Field Reviews: The CONSULTANT shall conduct one (1) site review prior to the 60% plans submittal and shall conduct one (1) additional site review prior to 100% plans submittal.

Right-of-Way Consideration: The CONSULTANT shall establish right-of-way requirements at locations where insufficient right-of-way is available to construct proposed features, i.e. sidewalk. The COUNTY shall then provide direction on how to proceed with these locations.

Milling and Resurfacing: The CONSULTANT shall develop details that implement the milling and resurfacing recommendations as documented in the approved pavement design report. The recommendations are to extend the service life of an existing roadway and/or enhance roadway safety. This includes the placement of additional surface materials and/or other work necessary to return an existing roadway to a condition of structural and functional adequacy.



Shoulder Treatment: The CONSULTANT shall develop details that implement maintenance grading to restore proper function of the shoulder. The designer will calculate quantities based on information obtained from the field and the proposed typical section. This maintenance grading is for the sole purpose of preventing ponding of water on the roadway and resorting an alternative path for vehicles in an emergency.

### **Task 3: DRAINAGE ANALYSIS**

Data Collection: The CONSULTANT shall review all existing plans to determine current drainage patterns and systems. The proposed construction shall modify existing structures as practical and require minimal drainage modifications.

Drainage Plans: The drainage design shall be consistent with requirements of FDEP, SWFWMD, USACOE, Pinellas County and any other regulatory agencies. The drainage design will also be consistent with the COUNTY requirements. Stormwater related criteria shall also be in accordance with COUNTY Stormwater requirements as described in the code of ordinances as follows: utilizes existing facilities where possible; is cost effective; does not create flooding problems upstream or downstream; provides for safety of roadway users; and is consistent with work being performed by other municipalities, regulatory agencies and private developments in the area. The CONSULTANT shall be responsible for determining and coordinating with projects or work being performed in the area.

The intent of the drainage design is to adjust/modify the existing drainage system where it is impacted by the placement of any new features. It is estimated that no curb inlets will be impacted that will require relocation and/or modification.

The consultant shall coordinate with Pinellas County's Stormwater and Vegetation Division to ensure any necessary drainage work identified within the project limits is also addressed. Drainage needs will primarily consist of the replacement of existing corrugated metal pipe (CMP) as identified by the Stormwater and Vegetation Division's CMP Program, as well as addressing other pipe and drainage inlet deficiencies that are negatively affecting the roadway. Included with the drainage analysis is the preparation of working drainage maps (not to be included in the plans) to identify the drainage areas which drain to the impacted inlets for use in sizing any new inlets and storm sewer pipes required. The storm water conveyance capacity of the facilities shall not be reduced. Calculations for any new inlets and storm sewer pipes shall be performed for sizing these facilities and shall be included in a technical memorandum/report.

### **Task 4: ENVIRONMENTAL PERMITTING**

All work is expected to be done without requiring a permit from the Southwest Florida Water Management District (SWFWMD).

The CONSULTANT shall visit the project site with COUNTY and respective regulatory agencies, as necessary, to determine the applicability of any NPDES permits. The CONSULTANT shall prepare any necessary permit applications, data and drawings required for submittal BY THE COUNTY for approval of local, state and federal agencies.

The CONSULTANT shall prepare application forms, narratives, calculations, exhibits, permit drawings, etc. for any necessary permit application submittals. The CONSULTANT shall submit the completed draft permit applications to the COUNTY for review and signature after receiving and incorporating comments from the 60% design QC review, unless agreed upon otherwise by the COUNTY.

## **Task 5: TRAFFIC ANALYSIS**

Signing & Pavement Marking Analysis: The CONSULTANT shall analyze and document Signing and Pavement Markings in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

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

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

Signalization Analysis: The CONSULTANT shall replace signal loops within the area of milling and prepare a pedestrian signalization analysis if curb ramps need to be upgraded to meet ADA criteria.

The intersection shall include full LED pedestrian countdown signals. Local Signal Timing parameters shall be determined as necessary to complete the Controller Timing chart to include pedestrian timings. Pedestrian walk and clearance intervals shall be calculated if a pedestrian crosswalk is determined necessary by the COUNTY. Yellow and all-red clearance intervals shall be calculated based on the posted speed limit. Clearance timing calculations shall be based on FDOT Traffic Engineering Manual criteria.

Signal and Signing & Pavement Marking Plans: The CONSULTANT shall prepare Signal and Signing & Pavement Marking plans to be included in the roadway plans. These plans shall be in accordance with the Florida Design Manual and will include the following:

- a. Tabulation of Quantities
- b. General Notes/Pay Item Notes
- c. Signal/Signing & Pavement Markings Plan Sheets

## **Task 6: UTILITY DESIGN/COORDINATION SUPPORT**

Utility Coordination – The COUNTY is responsible for coordinating its design work with the public and private utility agencies and companies having existing and/or planned facilities within the limits of the project. To ensure proper coordination of projects and overall improvements, the CONSULTANT, with assistance from the COUNTY Project Manager, shall coordinate with the COUNTY Utilities group any planned or necessary utility work that is within the project limits and should be accomplished with the project.

The COUNTY shall provide the utility agencies project plans and/or Civil 2D files at the 60% and 100% complete design phases, as drafted by the CONSULTANT. At the 60% complete design, phase, the utility agencies and companies shall be instructed to return a set of plans to the COUNTY showing their utilities relocation adjustment and new facilities designs, and existing utilities to remain. COUNTY utility coordination responsibilities shall continue throughout the design process to assist with resolving utilities conflicts.



Utility Plans – The CONSULTANT shall if necessary, prepare utility plans as part of the plans set to show existing public and private utilities to remain, detail design of utilities to be relocated and utilities to be removed. Utility plans shall be prepared on screened reproducible copies of the roadway plan and shall be made part of the plan set. The 60% design review submittal shall include all existing utilities drawn on the roadway plans. CONSULTANT is to identify all potential conflicts based on the information provided by the utility agencies and companies and horizontal and vertical field investigations. The 100% design review submittal shall include final utility plans that reflect the final disposition of all public and private utilities. Any subsequent utilities conflicts are to be resolved and all final design revisions complete, at the final design submittal.

Utility Coordination Meetings – CONSULTANT shall attend utility coordination meetings to be held within eighteen days of the 60% and 100% design review submittals. COUNTY shall be responsible for organizing these meetings. CONSULTANT shall prepare detailed meeting minutes and distribute to all attendees.

Representation at the meeting should consist of all Utility Companies/Agencies, Project Manager, and support services as necessary. The COUNTY shall moderate the meeting and discuss the design with particular emphasis on drainage, maintenance of traffic and traffic signalization. Additional discussion on special construction activities, project scheduling, and agreement options available, shall be addressed. Based on commitments made at the Utility Pre-Design Meeting, the CONSULTANT shall prepare and distribute minutes and recommended course of action to accomplish each item to each utility located on the project.

Utility Coordination Meeting (60% Plans) – The CONSULTANT shall prepare a formal letter issuing preliminary plans as outlined in the engineering scope. The COUNTY shall moderate the meeting and discuss alternate relocation schemes, design modifications, and scheduling of construction activities, with particular emphasis on drainage design, maintenance of traffic and signalization with each Utility Company/ Agency.

The CONSULTANT shall coordinate with the COUNTY and utility agencies to determine areas of apparent potential conflict and schedule subsurface utility excavation to confirm whether or not a conflict exists and degree of conflict. A report itemizing utility conflicts by company, shall be prepared by the CONSULTANT, and mailed to each utility located on the project. Four to six weeks, on average, shall be allowed for the Utility to respond with their color-coded plans submittal.

Final Agreements to Utilities (Final Plans) - The COUNTY shall transmit the necessary legal drafts, plans, and documents to each Utility Company/Agency as required. One complete set of plans and one partial set of plans (Key Sheet, Typical Section, and Plan, Profile Sheets and Utility Adjustment Sheets) shall be furnished to each involved utility agency.

Review and Acceptance – The CONSULTANT shall be responsible for making all necessary reviews and acceptance of utility related materials.

Certification-The COUNTY shall certify the following:

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

OR

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

OR

Plans were sent to the Utility Companies/Agencies and no relocation/adjustments are required.

**Task 7: PLANS PREPARATION**

Roadway Plans: The CONSULTANT shall prepare all required resurfacing construction plans within the project limits. These plans shall be in accordance with the FDOT Design Manual and COUNTY CADD Civil 3D standards that include the following (Scale; 1"=100' & 1"=40'):

- Key Sheet Summary of Quantities
- Typical Sections
- General Notes
- Plan Sheets
- Cross Sections & Driveways
- Back of Sidewalk Profiles
- Maintenance of Traffic Plans
- Utility Plans
- Tabulation of Quantities
- S&PM General Notes/Pay Item notes
- Signal/Signing and Pavement Marking Plans (May be included in the Roadway Plans)

**Task 8: GEOTECHNICAL INVESTIGATION**

The CONSULTANT will be responsible for a Pavement Survey and Evaluation Report to include cores/borings, as required, to determine necessary pavement design. All office and field work performed by the CONSULTANT shall be in accordance with FDOT and County standards, or as otherwise directed. The SUB CONSULTANT specific scope and proposal can be found in Appendix B of this Document.

**Task 9: SURVEY**

The CONSULTANT shall utilize existing base maps, aeriels, and tax maps, as available for the Resurfacing, Restoration and Rehabilitation (RRR) project. Should the existing base maps, aeriels and tax maps lack baseline information, the CONSULTANT shall retain the services of a professional surveyor to complete such discrepancies, if agreed to by the COUNTY. Survey requirements shall include:

- Survey baseline points established at 1000-foot intervals
- Survey existing drainage structures inverts and elevations to be modified or replaced
- Survey deficient roadway cross slope (if approved by the County)
- Survey existing areas where proposed sidewalk would be added to eliminate gaps
- Right-of-way (ROW) survey at sidewalks, intersections and other locations, as necessary, where existing ROW may not be sufficient.



**Task 10: SUE SURVEY**

Subsurface Utility Engineering Survey Services (SUE) will be provided by the PROFESSIONAL within the COUNTY's public right-of-way only as follows:

- Quality Level B Designation includes two-dimensional collection of existing utilities. Location includes non-destructive excavation to determine size, type and location of existing utility as necessary for final three-dimensional verification.
- Quality Level A Locates includes test hole (VVH-Verified Vertical and Horizontal) on each utility found within areas proposed design features such as sidewalk, ditch, signs, drainage, etc.
- SUE Survey includes collection of data on points as needed for designates. Includes analysis and processing of all field-collected data and delivery of all appropriate electronic files.

**V. COMPENSATION**

|                        |                                       |                      |  |
|------------------------|---------------------------------------|----------------------|--|
| Task 1                 | General Task                          | \$ 9,862.00          | Lump Sum   |
| Task 2                 | Roadway Analysis                      | \$125,440.00         | Lump Sum   |
| Task 3                 | Drainage Analysis                     | \$ 27,318.00         | Lump Sum   |
| Task 4                 | Environmental Permitting              | \$1,413.00           | Lump Sum   |
| Task 5                 | Traffic Design                        | \$38,878.00          | Lump Sum   |
| Task 6                 | Utility Coordination                  | \$ 23,484.00         | Lump Sum   |
| Task 7                 | Plans Preparation                     | \$ 75,130.50         | Lump Sum   |
| Task 8                 | Geotechnical Investigation            | \$ 36,103.00         | Lump Sum   |
| Task 9                 | Survey                                | \$136,933.00         | Lump Sum   |
| <hr/>                  |                                       |                      |  |
|                        | Total Fee                             | \$474,561.50         | Lump Sum   |
| <b>*Task 10</b>        | <b>SUE Survey (Optional Services)</b> | <b>\$10, 975.00</b>  | <b>*Time &amp; Materials<br/>(Not-to-Exceed)</b> |
| <b>Grand Total Fee</b> | <b>(Including Optional Services)</b>  | <b>\$ 485,536.50</b> |  |

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

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 forty-five thousand dollars (\$45,000.00) for all assignments performed. Contingency Services shall be performed only upon prior written authorization from the Director of Public Works or his/her designee.

**VI. SCHEDULE**

The CONSULTANT shall provide a Microsoft Project Schedule to the COUNTY within 1 week of the notice to proceed and provide updates with each monthly invoice submittal.

CONSULTANT'S services shall commence upon receipt of written notice to proceed issued by COUNTY.

CONSULTANT shall complete the final design in accordance with the following or better project schedule:

PROJECT SCHEDULE

| <u>Milestone</u>                               | <u>Due Date After receiving the NTP</u> |          |
|--|---|----------|
| Project Schedule                               | Calendar Day                            | 1 Day    |
| 60% Complete Plans Submittal<br>21 day review  | Calendar Days                           | 60 Days  |
| 100% Complete Plans Submittal<br>21 day review | Calendar Days                           | 120 Days |
| Final Plans Submittal                          | Calendar Days                           | 180 Days |

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

Roadway Plans design reviews shall occur at the 60% Phase, 100% phases and Final phases. CONSULTANT shall submit a draft of the special conditions with the 60% design review submittal and final versions at the 100% design review submittal. Bid quantities and opinion of probable construction cost shall be submitted with each phase. The requirements for each design review shall be as specified in the COUNTY “Checklists for Design Review Submittals”. CONSULTANT shall continue its design work during the review periods. CONSULTANT shall respond to the COUNTY design review comments in writing and by making corresponding revisions to the plans. Written responses and plans revisions are to be included with the next design review submittal. CONSULTANT shall respond to regulatory agencies review comments in the same manner. Design revisions are to be completed by CONSULTANT at no additional time and/or cost unless the revisions result from COUNTY making changes to the horizontal or vertical alignment or other changes of similar impact to the project design. In such cases, COUNTY shall evaluate the CONSULTANT’S request for additional time and/or compensation. COUNTY may require CONSULTANT to make plans revisions and resubmit the plans at the same phase of completion if it is found that the plans do not meet the requirements of the “Checklist for Review Submittals”. No additional time shall be allotted to the CONSULTANT schedule if a resubmittal is required.



**EXHIBIT A**

**Project Staff Hour Summary**

|                      |                                       | Project Staff Hours |                     |                      |                           |                     |                     |                      |
|----------------------|---------------------------------------|---------------------|---------------------|----------------------|---------------------------|---------------------|---------------------|----------------------|
| Activity No.         | Activity                              | 49th St.            | Sunset Pt Rd.       | Ridge Rd. & 110th    | Nursery Rd. & Oakadia Dr. | Harbor Bluffs       | BayHaven            | Total \$             |
| 1                    | General Tasks                         | \$ 5,170.00         | \$ 4,692.00         |                      |                           |                     |                     | \$ 9,862.00          |
| 2                    | Roadway Analysis                      | \$ 22,230.00        | \$ 13,556.00        | \$ 25,285.00         | \$ 19,782.00              | \$ 29,040.00        | \$ 15,547.00        | \$ 125,440.00        |
| 3                    | Drainage Analysis                     | \$ 3,900.00         | \$ 3,703.00         | \$ 6,945.00          | \$ 3,252.50               | \$ 6,265.00         | \$ 3,252.50         | \$ 27,318.00         |
| 4                    | Env. Permits, Compliance & Clearances | \$ 265.00           | \$ 206.00           | \$ 265.00            | \$ 206.00                 | \$ 265.00           | \$ 206.00           | \$ 1,413.00          |
| 5                    | Traffic Analysis                      | \$ 8,505.00         | \$ 8,133.00         | \$ 8,990.00          | \$ 7,080.50               | \$ 3,880.00         | \$ 2,289.50         | \$ 38,878.00         |
| 6                    | Utilities                             | \$ 5,595.00         | \$ 3,318.00         | \$ 4,805.00          | \$ 4,378.50               | \$ 2,650.00         | \$ 2,737.50         | \$ 23,484.00         |
| 7                    | Plans Preparation                     | \$ 15,020.00        | \$ 8,129.50         | \$ 18,900.00         | \$ 11,803.50              | \$ 15,715.00        | \$ 5,562.50         | \$ 75,130.50         |
| 8                    | Geotechnical                          | \$ 6,599.00         | \$ 5,864.00         | \$ 8,014.00          | \$ 7,244.00               | \$ 8,382.00         | **                  | \$ 36,103.00         |
| 9                    | Survey - Field and Office Support     | \$ 21,985.00        | \$ 12,506.00        | \$ 34,912.00         | \$ 27,422.00              | \$ 28,219.00        | \$ 11,889.00        | \$ 136,933.00        |
| 10                   | Survey - SUE                          |                     |                     |                      |                           |                     |                     | \$ 10,975.00         |
| <b>Project Total</b> |                                       | <b>\$ 89,269.00</b> | <b>\$ 60,107.50</b> | <b>\$ 108,116.00</b> | <b>\$ 81,169.00</b>       | <b>\$ 92,606.00</b> | <b>\$ 41,484.00</b> | <b>\$ 485,536.50</b> |

|                      |                                   | Project Staff Hours |                     |                      |                           |                     |                     |                      |
|----------------------|-----------------------------------|---------------------|---------------------|----------------------|---------------------------|---------------------|---------------------|----------------------|
| Activity No.         | Activity                          | 49th St.            | Sunset Pt Rd.       | Ridge Rd. & 110th    | Nursery Rd. & Oakadia Dr. | Harbor Bluffs       | BayHaven            | Total \$             |
| 1                    | Engineering Services              | \$ 60,685.00        | \$ 41,737.50        | \$ 65,190.00         | \$ 46,503.00              | \$ 57,815.00        | \$ 29,595.00        | \$ 301,525.50        |
| 2                    | Geo technical                     | \$ 6,599.00         | \$ 5,864.00         | \$ 8,014.00          | \$ 7,244.00               | \$ 8,382.00         | **                  | \$ 36,103.00         |
| 3                    | Survey - Field and Office Support | \$ 21,985.00        | \$ 12,506.00        | \$ 34,912.00         | \$ 27,422.00              | \$ 28,219.00        | \$ 11,889.00        | \$ 136,933.00        |
| 4                    | Survey - SUE                      |                     |                     |                      |                           |                     |                     | \$ 10,975.00         |
| <b>Project Total</b> |                                   | <b>\$ 89,269.00</b> | <b>\$ 60,107.50</b> | <b>\$ 108,116.00</b> | <b>\$ 81,169.00</b>       | <b>\$ 92,606.00</b> | <b>\$ 41,484.00</b> | <b>\$ 485,536.50</b> |

\*\* Costs included in Harbor Bluffs

|                  |               |
|------------------|---------------|
| Cumbey Fair Inc. | \$ 331,598.00 |
| ICON Inc.        | \$ 117,835.50 |
| Universal        | \$ 36,103.00  |

**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: 49th Street North from 86th Ave to 110th Ave & from Ulmerton Rd to 118th Ave  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/ICON, Lochner, MC Squared, Universal Er  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert name

| Staff Classification                  | Total Staff Hours From "SH Summary - Firm" | Project Manager    | Chief Engineer    | Senior Engineer   | Senior Project Engineer | Engineer           | Senior Designer   | Senior Engineering Tech | Engineer Technician | Secretary Clerical | Senior Surveyor & Mapper | Surveyor & Mapper | Survey Technician | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|---------------------------------------|--|--------------------|-------------------|-------------------|-------------------------|--------------------|-------------------|-------------------------|---------------------|--------------------|--------------------------|-------------------|-------------------|----------------|-------------------------|-----------------------|
|                                       |  | \$175.00           | \$205.00          | \$165.00          | \$155.00                | \$120.00           | \$110.00          | \$100.00                | \$90.00             | \$70.00            | \$170.00                 | \$135.00          | \$90.00           |                |                         |                       |
| General Tasks                         | 40   | 8                  | 2                 | 8                 | 4                       | 0                  | 4                 | 0                       | 0                   | 14                 | 0                        | 0                 | 0                 | 40             | \$5,170                 | \$129.25              |
| Roadway Analysis                      | 167  | 25                 | 8                 | 8                 | 25                      | 42                 | 25                | 17                      | 17                  | 0                  | 0                        | 0                 | 0                 | 167            | \$22,230                | \$133.11              |
| Drainage Analysis                     | 29   | 3                  | 2                 | 3                 | 4                       | 7                  | 4                 | 3                       | 3                   | 0                  | 0                        | 0                 | 0                 | 29             | \$3,900                 | \$134.48              |
| Env. Permits, Compliance & Clearances | 2  | 1                  | 0                 | 0                 | 0                       | 0                  | 0                 | 0                       | 1                   | 0                  | 0                        | 0                 | 0                 | 2              | \$265                   | \$132.50              |
| Traffic Analysis                      | 67   | 7                  | 3                 | 3                 | 10                      | 10                 | 13                | 10                      | 11                  | 0                  | 0                        | 0                 | 0                 | 67             | \$8,505                 | \$126.94              |
| Utilities                             | 42   | 9                  | 0                 | 4                 | 4                       | 11                 | 6                 | 4                       | 4                   | 0                  | 0                        | 0                 | 0                 | 42             | \$5,595                 | \$133.21              |
| Plans Preparation                     | 129  | 6                  | 3                 | 4                 | 13                      | 19                 | 26                | 32                      | 26                  | 0                  | 0                        | 0                 | 0                 | 129            | \$15,020                | \$116.43              |
| Survey - Field and Office Support     | 75   | 0                  | 0                 | 0                 | 0                       | 0                  | 0                 | 0                       | 0                   | 0                  | 8                        | 23                | 44                | 75             | \$8,425                 | \$112.33              |
| <b>Total Staff Hours</b>              | <b>551</b>                                 | <b>59</b>          | <b>18</b>         | <b>30</b>         | <b>60</b>               | <b>89</b>          | <b>78</b>         | <b>66</b>               | <b>62</b>           | <b>14</b>          | <b>8</b>                 | <b>23</b>         | <b>44</b>         | <b>551</b>     |                         |                       |
| <b>Total Staff Cost</b>               |  | <b>\$10,325.00</b> | <b>\$3,690.00</b> | <b>\$4,950.00</b> | <b>\$9,300.00</b>       | <b>\$10,680.00</b> | <b>\$8,580.00</b> | <b>\$6,600.00</b>       | <b>\$5,580.00</b>   | <b>\$980.00</b>    | <b>\$1,360.00</b>        | <b>\$3,105.00</b> | <b>\$3,960.00</b> |                | <b>\$69,110.00</b>      | <b>\$125.43</b>       |

|  |
|--|
| Survey Field Days by Subconsultant<br>4 - Person Crew: |
|--|

- Notes:
- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
  - Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

|                                       |    |                      |             |       |                    |
|---------------------------------------|----|----------------------|-------------|-------|--------------------|
| SALARY RELATED COSTS:                 |    |                      |             |       | \$69,110.00        |
| OVERHEAD:                             |    | 0%                   |             |       | \$0.00             |
| OPERATING MARGIN:                     |    | 0%                   |             |       | \$0.00             |
| FCCM (Facilities Capital Cost Money): |    | 0.00%                |             |       | \$0.00             |
| EXPENSES:                             |    | 0.00%                |             |       | \$0.00             |
| Survey (Field - if by Prime)          | 10 | 3-person crew days @ | \$ 1,356.00 | / day | \$13,560.00        |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |             |       | <b>\$82,670.00</b> |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |             |       | <b>\$82,670.00</b> |
| Geotechnical Field and Lab Testing    |    |                      |             |       | \$6,599.00         |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |             |       | <b>\$89,269.00</b> |
| Optional Services                     |    |                      |             |       | \$0.00             |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |    |                      |             |       | <b>\$89,269.00</b> |



**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Sunset Point Road from Kings Highway to Keene Rd  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/ICON, Lochner, MC Squared, Universal E  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert name

| Staff Classification              | Total Staff Hours From "SH Summary - Firm" | Project Manager | Chief Engineer | Senior Engineer | Senior Project Engineer | Engineer | Senior Designer | Senior Engineering Tech | Engineer Technician | Secretary Clerical | Senior Surveyor & Mapper | Surveyor & Mapper | Survey Technician | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|-----------------------------------|--|-----------------|----------------|-----------------|-------------------------|----------|-----------------|-------------------------|---------------------|--------------------|--------------------------|-------------------|-------------------|----------------|-------------------------|-----------------------|
|                                   |  | \$0.00          | \$0.00         | \$0.00          | \$0.00                  | \$0.00   | \$0.00          | \$0.00                  | \$0.00              | \$0.00             | \$0.00                   | \$170.00          | \$135.00          | \$90.00        |                         |                       |
| Survey - Field and Office Support | 39   | 0               | 0              | 0               | 0                       | 0        | 0               | 0                       | 0                   | 0                  | 4                        | 12                | 23                | 39             | \$4,370                 | \$112.05              |
| <b>Total Staff Hours</b>          | 39   | 0               | 0              | 0               | 0                       | 0        | 0               | 0                       | 0                   | 0                  | 4                        | 12                | 23                | 39             |                         |                       |
| <b>Total Staff Cost</b>           |  | \$0.00          | \$0.00         | \$0.00          | \$0.00                  | \$0.00   | \$0.00          | \$0.00                  | \$0.00              | \$0.00             | \$680.00                 | \$1,620.00        | \$2,070.00        |                | \$4,370.00              | \$112.05              |

Survey Field Days by Subconsultant  
 4 - Person Crew:

- Notes:  
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.  
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

|                                       |   |                      |                   |  |                    |
|---------------------------------------|---|----------------------|-------------------|--|--------------------|
| SALARY RELATED COSTS:                 |   |                      |                   |  | \$4,370.00         |
| OVERHEAD:                             |   | 0%                   |                   |  | \$0.00             |
| OPERATING MARGIN:                     |   | 0%                   |                   |  | \$0.00             |
| FCCM (Facilities Capital Cost Money): |   | 0.00%                |                   |  | \$0.00             |
| EXPENSES:                             |   | 0.00%                |                   |  | \$0.00             |
| Survey (Field - if by Prime)          | 6 | 4-person crew days @ | \$ 1,356.00 / day |  | \$8,136.00         |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   |  | <b>\$12,506.00</b> |
| Subconsultant: ICON                   |   |                      |                   |  | \$41,737.50        |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   |  | <b>\$54,243.50</b> |
| Geotechnical Field and Lab Testing    |   |                      |                   |  | \$5,864.00         |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   |  | <b>\$60,107.50</b> |
| Optional Services                     |   |                      |                   |  | \$0.00             |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |   |                      |                   |  | <b>\$60,107.50</b> |

**ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT**

Name of Project: Sunset Point Road from Kings Highway to Keene Rd  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/ICON, Lochner, MC Squared, Universal Eng  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert name

| Staff Classification                  | Total Staff Hours From 'SH Summary Firm' | Chief Engineer    | Senior Engineer   | Project Engineer  | Engineer          | Engineer in Training | Chief Designer    | Senior Environment | Technician        | Clerical        |               |               |               | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|---------------------------------------|--|-------------------|-------------------|-------------------|-------------------|----------------------|-------------------|--------------------|-------------------|-----------------|---------------|---------------|---------------|----------------|-------------------------|-----------------------|
| General Tasks                         | 40                                       | 2                 | 8                 | 8                 | 0                 | 4                    | 4                 | 0                  | 0                 | 14              | 0             | 0             | 0             | 40             | \$4,692.00              | \$117.30              |
| Roadway Analysis                      | 107                                      | 6                 | 16                | 16                | 21                | 16                   | 16                | 0                  | 16                | 0               | 0             | 0             | 0             | 107            | \$13,556.00             | \$126.69              |
| Drainage Analysis                     | 29                                       | 2                 | 3                 | 6                 | 6                 | 4                    | 4                 | 0                  | 4                 | 0               | 0             | 0             | 0             | 29             | \$3,703.00              | \$127.69              |
| Env. Permits, Compliance & Clearances | 2  | 0                 | 0                 | 0                 | 0                 | 0                    | 0                 | 1                  | 1                 | 0               | 0             | 0             | 0             | 2              | \$206.00                | \$103.00              |
| Traffic Analysis                      | 66                                       | 3                 | 10                | 6                 | 17                | 10                   | 10                | 0                  | 10                | 0               | 0             | 0             | 0             | 66             | \$8,133.00              | \$123.23              |
| Utilities                             | 28                                       | 0                 | 2                 | 6                 | 6                 | 6                    | 4                 | 0                  | 4                 | 0               | 0             | 0             | 0             | 28             | \$3,318.00              | \$118.50              |
| Plans Preparation                     | 70                                       | 1                 | 2                 | 4                 | 7                 | 14                   | 21                | 0                  | 21                | 0               | 0             | 0             | 0             | 70             | \$8,129.50              | \$116.14              |
| <b>Total Staff Hours</b>              | <b>342</b>                               | <b>14</b>         | <b>41</b>         | <b>46</b>         | <b>57</b>         | <b>54</b>            | <b>59</b>         | <b>1</b>           | <b>56</b>         | <b>14</b>       | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>342</b>     |                         |                       |
| <b>Total Staff Cost</b>               |  | <b>\$2,772.00</b> | <b>\$6,560.00</b> | <b>\$6,831.00</b> | <b>\$5,928.00</b> | <b>\$4,617.00</b>    | <b>\$9,528.50</b> | <b>\$125.00</b>    | <b>\$4,536.00</b> | <b>\$840.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> |                | <b>\$41,737.50</b>      | <b>\$122.04</b>       |

Check = \$41,737.50

|                                       |   |               |            |                    |
|---------------------------------------|---|---------------|------------|--------------------|
| SALARY RELATED COSTS:                 |   |               |            | \$41,737.50        |
| OVERHEAD:                             |   | 0%            |            | \$0.00             |
| OPERATING MARGIN:                     |   | 0%            |            | \$0.00             |
| FCCM (Facilities Capital Cost Money): |   | 0.00%         |            | \$0.00             |
| EXPENSES:                             |   | 0.00%         |            | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |               |            | <b>\$41,737.50</b> |
| Survey (Field)                        | 6 | 4-person crew | \$ - / day | \$0.00             |
| Geotechnical Field and Lab Testing    |   |               |            | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |               |            | <b>\$41,737.50</b> |
| Optional Services                     |   |               |            | \$0.00             |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |   |               |            | <b>\$41,737.50</b> |

Notes:

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



**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Ridge Road from Old Oakhurst Rd to Ulmerton Rd. & 110 Ave. N from 102nd St to Ridge Rd.  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/ICON, Lochner, MC Squared, Universal Et  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert name

| Staff Classification                  | Total Staff Hours From "SH Summary - Firm" | Project Manager   | Chief Engineer    | Senior Engineer   | Senior Project Engineer | Engineer           | Senior Designer   | Senior Engineering Tech | Engineer Technician | Secretary Clerical | Senior Surveyor & Mapper | Surveyor & Mapper | Survey Technician | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|---------------------------------------|--|-------------------|-------------------|-------------------|-------------------------|--------------------|-------------------|-------------------------|---------------------|--------------------|--------------------------|-------------------|-------------------|----------------|-------------------------|-----------------------|
|                                       |  | \$175.00          | \$205.00          | \$165.00          | \$155.00                | \$120.00           | \$110.00          | \$100.00                | \$90.00             | \$70.00            | \$170.00                 | \$135.00          | \$90.00           |                |                         |                       |
| Roadway Analysis                      | 190  | 28                | 9                 | 9                 | 29                      | 48                 | 29                | 19                      | 19                  | 0                  | 0                        | 0                 | 0                 | 190            | \$25,285                | \$133.08              |
| Drainage Analysis                     | 52   | 5                 | 3                 | 5                 | 8                       | 13                 | 8                 | 5                       | 5                   | 0                  | 0                        | 0                 | 0                 | 52             | \$6,945                 | \$133.56              |
| Env. Permits, Compliance & Clearances | 2  | 1                 | 0                 | 0                 | 0                       | 0                  | 0                 | 0                       | 1                   | 0                  | 0                        | 0                 | 0                 | 2              | \$265                   | \$132.50              |
| Traffic Analysis                      | 71   | 7                 | 3                 | 3                 | 11                      | 11                 | 14                | 11                      | 11                  | 0                  | 0                        | 0                 | 0                 | 71             | \$8,990                 | \$126.62              |
| Utilities                             | 36   | 7                 | 0                 | 4                 | 4                       | 9                  | 5                 | 4                       | 3                   | 0                  | 0                        | 0                 | 0                 | 36             | \$4,805                 | \$133.47              |
| Plans Preparation                     | 163  | 8                 | 3                 | 5                 | 16                      | 24                 | 33                | 41                      | 33                  | 0                  | 0                        | 0                 | 0                 | 163            | \$18,900                | \$115.95              |
| Survey - Field and Office Support     | 106  | 0                 | 0                 | 0                 | 0                       | 0                  | 0                 | 0                       | 0                   | 0                  | 11                       | 32                | 63                | 106            | \$11,860                | \$111.89              |
| <b>Total Staff Hours</b>              | <b>620</b>                                 | <b>56</b>         | <b>18</b>         | <b>26</b>         | <b>68</b>               | <b>105</b>         | <b>89</b>         | <b>80</b>               | <b>72</b>           | <b>0</b>           | <b>11</b>                | <b>32</b>         | <b>63</b>         | <b>620</b>     |                         |                       |
| <b>Total Staff Cost</b>               |  | <b>\$9,800.00</b> | <b>\$3,690.00</b> | <b>\$4,290.00</b> | <b>\$10,540.00</b>      | <b>\$12,600.00</b> | <b>\$9,790.00</b> | <b>\$8,000.00</b>       | <b>\$6,480.00</b>   | <b>\$0.00</b>      | <b>\$1,870.00</b>        | <b>\$4,320.00</b> | <b>\$5,670.00</b> |                | <b>\$77,050.00</b>      | <b>\$124.27</b>       |

Survey Field Days by Subconsultant  
4 - Person Crew:

- Notes:  
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.  
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

|                                       |    |                      |                   |                     |
|---------------------------------------|----|----------------------|-------------------|---------------------|
| SALARY RELATED COSTS:                 |    |                      |                   | \$77,050.00         |
| OVERHEAD:                             |    | 0%                   |                   | \$0.00              |
| OPERATING MARGIN:                     |    | 0%                   |                   | \$0.00              |
| FCCM (Facilities Capital Cost Money): |    | 0.00%                |                   | \$0.00              |
| EXPENSES:                             |    | 0.00%                |                   | \$0.00              |
| Survey (Field - if by Prime)          | 17 | 3-person crew days @ | \$ 1,356.00 / day | \$23,052.00         |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |                   | <b>\$100,102.00</b> |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |                   | <b>\$100,102.00</b> |
| Geotechnical Field and Lab Testing    |    |                      |                   | \$8,014.00          |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |                   | <b>\$108,116.00</b> |
| Optional Services                     |    |                      |                   | \$0.00              |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |    |                      |                   | <b>\$108,116.00</b> |

**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Nursery Rd from Sunny Park Rd to US Hwy 19 & Oakadia Dr. Loop from Nursery Rd to Nursery Rd  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/ICON, Lochner, MC Squared, Universal E  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert name

| Staff Classification              | Total Staff Hours From "SH Summary - Firm" | Project Manager | Chief Engineer | Senior Engineer | Senior Project Engineer | Engineer | Senior Designer | Senior Engineering Tech | Engineer Technician | Secretary Clerical | Senior Surveyor & Mapper | Surveyor & Mapper | Survey Technician | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|-----------------------------------|--|-----------------|----------------|-----------------|-------------------------|----------|-----------------|-------------------------|---------------------|--------------------|--------------------------|-------------------|-------------------|----------------|-------------------------|-----------------------|
|                                   |  | \$0.00          | \$0.00         | \$0.00          | \$0.00                  | \$0.00   | \$0.00          | \$0.00                  | \$0.00              | \$0.00             | \$170.00                 | \$135.00          | \$90.00           |                |                         |                       |
| Survey - Field and Office Support | 100  | 0               | 0              | 0               | 0                       | 0        | 0               | 0                       | 0                   | 0                  | 10                       | 30                | 60                | 100            | \$11,150                | \$111.50              |
| <b>Total Staff Hours</b>          | 100  | 0               | 0              | 0               | 0                       | 0        | 0               | 0                       | 0                   | 0                  | 10                       | 30                | 60                | 100            |                         |                       |
| <b>Total Staff Cost</b>           |  | \$0.00          | \$0.00         | \$0.00          | \$0.00                  | \$0.00   | \$0.00          | \$0.00                  | \$0.00              | \$0.00             | \$1,700.00               | \$4,050.00        | \$5,400.00        |                | \$11,150.00             | \$111.50              |

Check = \$11,150.00

|  |
|--|
| Survey Field Days by Subconsultant<br>4 - Person Crew: |
|--|

**Notes:**

1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.
2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

|                                       |    |                      |                   |                    |
|---------------------------------------|----|----------------------|-------------------|--------------------|
| SALARY RELATED COSTS:                 |    |                      |                   | \$11,150.00        |
| OVERHEAD:                             |    | 0%                   |                   | \$0.00             |
| OPERATING MARGIN:                     |    | 0%                   |                   | \$0.00             |
| FCCM (Facilities Capital Cost Money): |    | 0.00%                |                   | \$0.00             |
| EXPENSES:                             |    | 0.00%                |                   | \$0.00             |
| Survey (Field - if by Prime)          | 12 | 4-person crew days @ | \$ 1,356.00 / day | \$16,272.00        |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |                   | <b>\$27,422.00</b> |
| Subconsultant: ICON                   |    |                      |                   | \$46,503.00        |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |                   | <b>\$73,925.00</b> |
| Geotechnical Field and Lab Testing    |    |                      |                   | \$7,244.00         |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |                      |                   | <b>\$81,169.00</b> |
| Optional Services                     |    |                      |                   | \$0.00             |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |    |                      |                   | <b>\$81,169.00</b> |



**ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT**

Name of Project: Nursery Rd from Sunny Park Rd to US Hwy 19 & Oakadia Dr. Loop from Nursery Rd to Nursery Rd  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/ICON, Lochner, MC Squared, Universal Eng.  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert name

| Staff Classification                  | Total Staff Hours From "SH Summary Firm" | Chief Engineer    | Senior Engineer   | Project Engineer  | Engineer          | Engineer in Training | Chief Designer     | Senior Environment | Technician        | Clerical      |               |               |               | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|---------------------------------------|--|-------------------|-------------------|-------------------|-------------------|----------------------|--------------------|--------------------|-------------------|---------------|---------------|---------------|---------------|----------------|-------------------------|-----------------------|
|                                       |  | \$198.00          | \$160.00          | \$148.50          | \$104.00          | \$85.50              | \$161.50           | \$125.00           | \$81.00           | \$60.00       | \$0.00        | \$0.00        | \$0.00        |                |                         |                       |
| Roadway Analysis                      | 157                                      | 7                 | 24                | 24                | 30                | 24                   | 24                 | 0                  | 24                | 0             | 0             | 0             | 0             | 157            | \$19,782.00             | \$126.00              |
| Drainage Analysis                     | 26                                       | 1                 | 3                 | 5                 | 5                 | 4                    | 4                  | 0                  | 4                 | 0             | 0             | 0             | 0             | 26             | \$3,252.50              | \$125.10              |
| Env. Permits, Compliance & Clearances | 2  | 0                 | 0                 | 0                 | 0                 | 0                    | 0                  | 1                  | 1                 | 0             | 0             | 0             | 0             | 2              | \$206.00                | \$103.00              |
| Traffic Analysis                      | 57                                       | 3                 | 9                 | 5                 | 13                | 9                    | 9                  | 0                  | 9                 | 0             | 0             | 0             | 0             | 57             | \$7,080.50              | \$124.22              |
| Utilities                             | 36                                       | 0                 | 5                 | 7                 | 7                 | 7                    | 5                  | 0                  | 5                 | 0             | 0             | 0             | 0             | 36             | \$4,378.50              | \$121.63              |
| Plans Preparation                     | 101                                      | 2                 | 4                 | 5                 | 10                | 20                   | 30                 | 0                  | 30                | 0             | 0             | 0             | 0             | 101            | \$11,803.50             | \$116.87              |
| <b>Total Staff Hours</b>              | <b>379</b>                               | <b>13</b>         | <b>45</b>         | <b>46</b>         | <b>65</b>         | <b>64</b>            | <b>72</b>          | <b>1</b>           | <b>73</b>         | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>379</b>     |                         |                       |
| <b>Total Staff Cost</b>               |  | <b>\$2,574.00</b> | <b>\$7,200.00</b> | <b>\$6,831.00</b> | <b>\$6,780.00</b> | <b>\$5,472.00</b>    | <b>\$11,628.00</b> | <b>\$125.00</b>    | <b>\$5,913.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> |                | <b>\$46,503.00</b>      | <b>\$122.70</b>       |

Check = \$46,503.00

|                                       |    |               |            |                    |
|---------------------------------------|----|---------------|------------|--------------------|
| SALARY RELATED COSTS:                 |    |               |            | \$46,503.00        |
| OVERHEAD:                             |    | 0%            |            | \$0.00             |
| OPERATING MARGIN:                     |    | 0%            |            | \$0.00             |
| FCCM (Facilities Capital Cost Money): |    | 0.00%         |            | \$0.00             |
| EXPENSES:                             |    | 0.00%         |            | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |               |            | <b>\$46,503.00</b> |
| Survey (Field)                        | 12 | 4-person crew | \$ - / day | \$0.00             |
| Geotechnical Field and Lab Testing    |    |               |            | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |    |               |            | <b>\$46,503.00</b> |
| Optional Services                     |    |               |            | \$0.00             |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |    |               |            | <b>\$46,503.00</b> |

Notes:

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

**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Harbor Bluffs Subdivision (off Indian Rocks Rd south of West Bay Dr)  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/ICON, Lochner, MC Squared, Universal Er  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert\_name

| Staff Classification                  | Total Staff Hours From "SH Summary - Firm" | Project Manager | Chief Engineer | Senior Engineer | Senior Project Engineer | Engineer    | Senior Designer | Senior Engineering Tech | Engineer Technician | Secretary Clerical | Senior Surveyor & Mapper | Surveyor & Mapper | Survey Technician | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|---------------------------------------|--|-----------------|----------------|-----------------|-------------------------|-------------|-----------------|-------------------------|---------------------|--------------------|--------------------------|-------------------|-------------------|----------------|-------------------------|-----------------------|
|                                       |  | \$175.00        | \$205.00       | \$165.00        | \$155.00                | \$120.00    | \$110.00        | \$100.00                | \$90.00             | \$70.00            | \$170.00                 | \$135.00          | \$90.00           |                |                         |                       |
| General Tasks                         | 0  | 0               | 0              | 0               | 0                       | 0           | 0               | 0                       | 0                   | 0                  | 0                        | 0                 | 0                 | 0              | \$0                     | \$0.00                |
| Roadway Analysis                      | 217  | 33              | 11             | 11              | 33                      | 54          | 32              | 21                      | 22                  | 0                  | 0                        | 0                 | 0                 | 217            | \$29,040                | \$133.82              |
| Drainage Analysis                     | 47   | 5               | 2              | 5               | 7                       | 12          | 7               | 5                       | 4                   | 0                  | 0                        | 0                 | 0                 | 47             | \$6,265                 | \$133.30              |
| Env. Permits, Compliance & Clearances | 2  | 1               | 0              | 0               | 0                       | 0           | 0               | 0                       | 1                   | 0                  | 0                        | 0                 | 0                 | 2              | \$265                   | \$132.50              |
| Traffic Analysis                      | 31   | 3               | 1              | 1               | 5                       | 5           | 6               | 5                       | 5                   | 0                  | 0                        | 0                 | 0                 | 31             | \$3,880                 | \$125.16              |
| Utilities                             | 20   | 4               | 0              | 2               | 2                       | 5           | 3               | 2                       | 2                   | 0                  | 0                        | 0                 | 0                 | 20             | \$2,650                 | \$132.50              |
| Plans Preparation                     | 135  | 7               | 3              | 4               | 13                      | 20          | 27              | 34                      | 27                  | 0                  | 0                        | 0                 | 0                 | 135            | \$15,715                | \$116.41              |
| Survey - Field and Office Support     | 144  | 0               | 0              | 0               | 0                       | 0           | 0               | 0                       | 0                   | 0                  | 14                       | 43                | 87                | 144            | \$16,015                | \$111.22              |
| <b>Total Staff Hours</b>              | 596  | 53              | 17             | 23              | 60                      | 96          | 75              | 67                      | 61                  | 0                  | 14                       | 43                | 87                | 596            |                         |                       |
| <b>Total Staff Cost</b>               |  | \$9,275.00      | \$3,485.00     | \$3,795.00      | \$9,300.00              | \$11,520.00 | \$8,250.00      | \$6,700.00              | \$5,490.00          | \$0.00             | \$2,380.00               | \$5,805.00        | \$7,830.00        |                | \$73,830.00             | \$123.88              |

Survey Field Days by Subconsultant  
 4 - Person Crew:

- Notes:  
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.  
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

|                                       |   |                      |                   |                    |
|---------------------------------------|---|----------------------|-------------------|--------------------|
|                                       |   | Check =              |                   | \$73,830.00        |
| SALARY RELATED COSTS:                 |   |                      |                   | \$73,830.00        |
| OVERHEAD:                             |   | 0%                   |                   | \$0.00             |
| OPERATING MARGIN:                     |   | 0%                   |                   | \$0.00             |
| FCCM (Facilities Capital Cost Money): |   | 0.00%                |                   | \$0.00             |
| EXPENSES:                             |   | 0.00%                |                   | \$0.00             |
| Survey (Field - if by Prime)          | 9 | 3-person crew days @ | \$ 1,356.00 / day | \$12,204.00        |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   | <b>\$86,034.00</b> |
| Subconsultant: UNIVERSAL              |   |                      |                   | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   | <b>\$86,034.00</b> |
| Geotechnical Field and Lab Testing    |   |                      |                   | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   | <b>\$86,034.00</b> |
| Optional Services                     |   |                      |                   | \$6,572.00         |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |   |                      |                   | <b>\$92,606.00</b> |



**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: Bayhaven Subdivision (off Oakhurst Rd north of Park Blvd)  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/ICON, Lochner, MC Squared, Universal E  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert name

| Staff Classification              | Total Staff Hours From "SH Summary - Firm" | Project Manager | Chief Engineer | Senior Engineer | Senior Project Engineer | Engineer | Senior Designer | Senior Engineering Tech | Engineer Technician | Secretary Clerical | Senior Surveyor & Mapper | Surveyor & Mapper | Survey Technician | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|-----------------------------------|--|-----------------|----------------|-----------------|-------------------------|----------|-----------------|-------------------------|---------------------|--------------------|--------------------------|-------------------|-------------------|----------------|-------------------------|-----------------------|
|                                   |  | \$0.00          | \$0.00         | \$0.00          | \$0.00                  | \$0.00   | \$0.00          | \$0.00                  | \$0.00              | \$0.00             | \$0.00                   | \$170.00          | \$135.00          | \$90.00        |                         |                       |
| Survey - Field and Office Support | 58   | 0               | 0              | 0               | 0                       | 0        | 0               | 0                       | 0                   | 0                  | 6                        | 17                | 35                | 58             | \$6,465                 | \$111.47              |
| <b>Total Staff Hours</b>          | 58   | 0               | 0              | 0               | 0                       | 0        | 0               | 0                       | 0                   | 0                  | 6                        | 17                | 35                | 58             |                         |                       |
| <b>Total Staff Cost</b>           |  | \$0.00          | \$0.00         | \$0.00          | \$0.00                  | \$0.00   | \$0.00          | \$0.00                  | \$0.00              | \$0.00             | \$1,020.00               | \$2,295.00        | \$3,150.00        |                | \$6,465.00              | \$111.47              |

|  |
|--|
| Survey Field Days by Subconsultant<br>4 - Person Crew: |
|--|

- Notes:
- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
  - Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

|                                       |   |                      |             |       |                    |             |
|---------------------------------------|---|----------------------|-------------|-------|--------------------|-------------|
| SALARY RELATED COSTS:                 |   |                      |             |       | Check = \$6,465.00 | \$6,465.00  |
| OVERHEAD:                             |   |                      | 0%          |       |                    | \$0.00      |
| OPERATING MARGIN:                     |   |                      | 0%          |       |                    | \$0.00      |
| FCCM (Facilities Capital Cost Money): |   |                      | 0.00%       |       |                    | \$0.00      |
| EXPENSES:                             |   |                      | 0.00%       |       |                    | \$0.00      |
| Survey (Field - if by Prime)          | 4 | 4-person crew days @ | \$ 1,356.00 | / day |                    | \$5,424.00  |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |             |       |                    | \$11,889.00 |
| Subconsultant: ICON                   |   |                      |             |       |                    | \$29,595.00 |
| Subconsultant: MC2                    |   |                      |             |       |                    | \$0.00      |
| Subconsultant: UNIVERSAL              |   |                      |             |       |                    | \$0.00      |
| Subconsultant: LOCHNER                |   |                      |             |       |                    | \$0.00      |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |             |       |                    | \$41,484.00 |
| Geotechnical Field and Lab Testing    |   |                      |             |       |                    | \$0.00      |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |             |       |                    | \$41,484.00 |
| Optional Services                     |   |                      |             |       |                    | \$0.00      |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |   |                      |             |       |                    | \$41,484.00 |

**ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT**

Name of Project: Bayhaven Subdivision (off Oakhurst Rd north of Park Blvd)  
 County: Pinellas  
 FPN: 178-0525-NC  
 FAP No.:

Consultant Name: C&F/CON, Lochner, MC Squared, Universal En  
 Consultant No.: enter consultants proj. number  
 Date: 2/5/2019  
 Estimator: insert name

| Staff Classification                  | Total Staff Hours From "SH Summary Firm" | Chief Engineer    | Senior Engineer   | Project Engineer  | Engineer          | Engineer in Training | Chief Designer    | Senior Environment | Technician        | Clerical      |               |               |               | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|---------------------------------------|--|-------------------|-------------------|-------------------|-------------------|----------------------|-------------------|--------------------|-------------------|---------------|---------------|---------------|---------------|----------------|-------------------------|-----------------------|
|                                       |  | \$198.00          | \$160.00          | \$148.50          | \$104.00          | \$85.50              | \$161.50          | \$125.00           | \$81.00           | \$60.00       | \$0.00        | \$0.00        | \$0.00        |                |                         |                       |
| Roadway Analysis                      | 123                                      | 7                 | 18                | 18                | 26                | 18                   | 18                | 0                  | 18                | 0             | 0             | 0             | 0             | 123            | \$15,547.00             | \$126.40              |
| Drainage Analysis                     | 26                                       | 1                 | 3                 | 5                 | 5                 | 4                    | 4                 | 0                  | 4                 | 0             | 0             | 0             | 0             | 26             | \$3,252.50              | \$125.10              |
| Env. Permits, Compliance & Clearances | 2  | 0                 | 0                 | 0                 | 0                 | 0                    | 0                 | 1                  | 1                 | 0             | 0             | 0             | 0             | 2              | \$206.00                | \$103.00              |
| Traffic Analysis                      | 18                                       | 1                 | 3                 | 2                 | 4                 | 2                    | 3                 | 0                  | 3                 | 0             | 0             | 0             | 0             | 18             | \$2,289.50              | \$127.19              |
| Utilities                             | 23                                       | 0                 | 2                 | 5                 | 5                 | 5                    | 3                 | 0                  | 3                 | 0             | 0             | 0             | 0             | 23             | \$2,737.50              | \$119.02              |
| Plans Preparation                     | 47                                       | 1                 | 2                 | 3                 | 5                 | 8                    | 14                | 0                  | 14                | 0             | 0             | 0             | 0             | 47             | \$5,562.50              | \$118.35              |
| <b>Total Staff Hours</b>              | <b>239</b>                               | <b>10</b>         | <b>28</b>         | <b>33</b>         | <b>45</b>         | <b>37</b>            | <b>42</b>         | <b>1</b>           | <b>43</b>         | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>0</b>      | <b>239</b>     |                         |                       |
| <b>Total Staff Cost</b>               |  | <b>\$1,980.00</b> | <b>\$4,480.00</b> | <b>\$4,900.50</b> | <b>\$4,680.00</b> | <b>\$3,163.50</b>    | <b>\$6,783.00</b> | <b>\$125.00</b>    | <b>\$3,483.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> |                | <b>\$29,595.00</b>      | <b>\$123.83</b>       |

Check = \$29,595.00

|                                       |   |               |            |                    |
|---------------------------------------|---|---------------|------------|--------------------|
| SALARY RELATED COSTS:                 |   |               |            | \$29,595.00        |
| OVERHEAD:                             |   | 0%            |            | \$0.00             |
| OPERATING MARGIN:                     |   | 0%            |            | \$0.00             |
| FCCM (Facilities Capital Cost Money): |   | 0.00%         |            | \$0.00             |
| EXPENSES:                             |   | 0.00%         |            | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |               |            | <b>\$29,595.00</b> |
| Survey (Field)                        | 4 | 4-person crew | \$ - / day | \$0.00             |
| Geotechnical Field and Lab Testing    |   |               |            | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |               |            | <b>\$29,595.00</b> |
| Optional Services                     |   |               |            | \$0.00             |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |   |               |            | <b>\$29,595.00</b> |

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



**ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT**

Name of Project: **OS SUE**  
 County: **178-0525-NC**  
 FPN:  
 FAP No.:

Consultant Name: **C&F/ICON, Lochner, MC Squared, Universal E**  
 Consultant No.: **enter consultants proj. number**  
 Date: **2/5/2019**  
 Estimator: **insert name**

| Staff Classification              | Total Staff Hours From "SH Summary - Firm" | Project Manager | Chief Engineer | Senior Engineer | Senior Project Engineer | Engineer | Senior Designer | Senior Engineering Tech | Engineer Technician | Secretary Clerical | Senior Surveyor & Mapper | Surveyor & Mapper | Survey Technician | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|-----------------------------------|--|-----------------|----------------|-----------------|-------------------------|----------|-----------------|-------------------------|---------------------|--------------------|--------------------------|-------------------|-------------------|----------------|-------------------------|-----------------------|
|                                   |  | \$175.00        | \$205.00       | \$165.00        | \$155.00                | \$120.00 | \$110.00        | \$100.00                | \$90.00             | \$70.00            | \$170.00                 | \$135.00          | \$90.00           |                |                         |                       |
| Survey - Field and Office Support | 22   | 0               | 0              | 0               | 0                       | 0        | 0               | 0                       | 0                   | 0                  | 2                        | 7                 | 13                | 22             | \$2,455                 | \$111.59              |
| <b>Total Staff Hours</b>          | 22   | 0               | 0              | 0               | 0                       | 0        | 0               | 0                       | 0                   | 0                  | 2                        | 7                 | 13                | 22             |                         |                       |
| <b>Total Staff Cost</b>           |  | \$0.00          | \$0.00         | \$0.00          | \$0.00                  | \$0.00   | \$0.00          | \$0.00                  | \$0.00              | \$0.00             | \$340.00                 | \$945.00          | \$1,170.00        |                | <b>\$2,455.00</b>       | <b>\$111.59</b>       |

Check = \$2,455.00

Survey Field Days by Subconsultant  
 4 - Person Crew:

- Notes:  
 1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.  
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

|                                       |   |                      |                   |                    |
|---------------------------------------|---|----------------------|-------------------|--------------------|
| SALARY RELATED COSTS:                 |   |                      |                   | \$2,455.00         |
| OVERHEAD:                             |   | 0%                   |                   | \$0.00             |
| OPERATING MARGIN:                     |   | 0%                   |                   | \$0.00             |
| FCCM (Facilities Capital Cost Money): |   | 0.00%                |                   | \$0.00             |
| EXPENSES:                             |   | 0.00%                |                   | \$0.00             |
| Survey (Field - if by Prime)          | 6 | 3-person crew days @ | \$ 1,420.00 / day | \$8,520.00         |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   | <b>\$10,975.00</b> |
| Subconsultant: ICON                   |   |                      |                   | \$0.00             |
| Subconsultant: MC2                    |   |                      |                   | \$0.00             |
| Subconsultant: UNIVERSAL              |   |                      |                   | \$0.00             |
| Subconsultant: LOCHNER                |   |                      |                   | \$0.00             |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   | <b>\$10,975.00</b> |
| Geotechnical Field and Lab Testing    |   |                      |                   |                    |
| <b>SUBTOTAL ESTIMATED FEE:</b>        |   |                      |                   | <b>\$10,975.00</b> |
| Optional Services                     |   |                      |                   | \$0.00             |
| <b>GRAND TOTAL ESTIMATED FEE:</b>     |   |                      |                   | <b>\$10,975.00</b> |



# CUMBEY & FAIR, INC.

2463 ENTERPRISE ROAD, CLEARWATER, FLORIDA 33762  
(727) 797-8982 Clearwater (813) 223-4333 Tampa (727) 791-8752 Fax WWW.CUMBEYFAIR.COM

## Exhibit B

### Loaded Hourly Salary Rates Cumbey & Fair, Inc. Loaded Rates

**Re:** Countywide RRR Paving Project – Professional Engineering Services,  
**County PID:** No. 003873A  
**Contract No.:** 178-0525-NC

|   |            |
|---|------------|
| Project Manager                         | \$175.00   |
| Chief Engineer                          | \$205.00   |
| Senior Engineer                         | \$165.00   |
| Senior Project Engineer                 | \$155.00   |
| Engineer                                | \$120.00   |
| Senior Designer                         | \$110.00   |
| Senior Engineering Technician           | \$100.00   |
| Engineering Technician                  | \$90.00    |
| Secretary/Clerical                      | \$70.00    |
| Senior Surveyor & Mapper                | \$170.00   |
| Surveyor & Mapper                       | \$135.00   |
| Survey Technician                       | \$90.00    |
| Utility Locator                         | \$67.50    |
| Utility Technician                      | \$55.00    |
| Field Crew Supervisor                   | \$105.00   |
| Party Chief                             | \$77.50    |
| Instrument Man                          | \$52.50    |
| Rod Man/Chain Man                       | \$39.50    |
| 3 OR 4-Person Survey Crew Days          | \$1,356.00 |
| 3-Person Designate/Locate SUE Crew Days | \$1,420.00 |

**ICON**  
**CONSULTANT GROUP**  
**INCORPORATED**

**EXHIBIT B**  
**SCHEDULE OF CHARGES**

**PERSONNEL CHARGES**

|  |          |
|--|----------|
| Chief Engineer                               | \$198.00 |
| Senior Engineer                              | \$160.00 |
| Project Engineer                             | \$148.50 |
| Engineer                                     | \$104.00 |
| Engineer in Training                         | \$ 85.50 |
| Chief Designer                               | \$161.50 |
| Senior Environmental<br>Scientist Technician | \$125.00 |
|  | \$ 81.00 |
| Clerical                                     | \$ 60.00 |



**LOCHNER**

H.W. Lochner, Inc.  
4350 W. Cypress Street  
Suite 800  
Tampa, FL 33607

T 813.357.3750  
F 813.304.2207

hwlochner.com

**Exhibit B**

Date: December 5, 2018

Loaded Hourly Salary Rates

Countywide Resurfacing, Restoration, and Rehabilitation Paving Project – Professional Engineering Services, County PID No. 003873A  
Contract No.: 178-0525-NC

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**H.W. Lochner, Inc.**

|                            |          |
|----------------------------|----------|
| Chief Structural Engineer  | \$199.50 |
| Senior Structural Engineer | \$174.88 |
| Structural Engineer        | \$130.00 |



**EXHIBIT B  
FEE SCHEDULE**

Proposed 178-0525-NC (SS), Countywide Resurfacing, Restoration, and Rehabilitation Paving

| <b>PROFESSIONAL AND TECHNICAL SERVICES</b>                                |          |          |
|---|----------|----------|
| <b>ENGINEERING/ENVIRONMENTAL SERVICES</b>                                 |          |          |
| Principal Engineer, P.E./Principal Geologist, P.G.                        | \$180.00 | per hour |
| Threshold Inspector, P.E., S.I.   | \$130.00 | per hour |
| Senior Engineer, P.E./Senior Geologist, P.G.                              | \$110.00 | per hour |
| Project Engineer/Manager/Scientist  | \$100.00 | per hour |
| Staff Engineer/Scientist  | \$90.00  | per hour |
| Threshold Agent / Senior Engineering Technician                           | \$70.00  | per hour |
| Environmental Technician  | \$75.00  | per hour |
| Engineering Technician  | \$55.00  | per hour |
| Associate Engineering Technician  | \$45.00  | per hour |
| <b>SUPPORT SERVICES</b>   |          |          |
| CADD Operator   | \$60.00  | per hour |
| Technical Secretary   | \$50.00  | per hour |
|   |          |          |
|   |          |          |
|   |          |          |
| <b>DRILLING SERVICES</b>  |          |          |
| <b>Mobilization/Demobilization - Drill Rig &amp; Crew (all rig types)</b> |          |          |
| 0 - 35 miles  | \$450.00 | lump sum |
| Standard Penetration Test Borings (ASTM D-1S86), Truck Rig                |          |          |
| 0 - 50 foot depth interval  | \$11.00  | per foot |
| <b>5I - 100 foot depth interval</b>                                       | \$13.00  | per foot |
| 101 - 50 foot depth interval  | \$15.00  | per foot |
| Standard Penetration Test Borings (ASTM D-1S86), Mud Bug Rig              |          |          |
| 0 - 50 foot depth interval  | \$13.00  | per foot |
| <b>5I - 100 foot depth interval</b>                                       | \$14.00  | per foot |
| 101 - 50 foot depth interval  | \$16.00  | per foot |



**EXHIBIT B  
FEE SCHEDULE**

Proposed 178-0525-NC (SS), Countywide Resurfacing, Restoration, and Rehabilitation Paving

|  |          |                   |
|--|----------|-------------------|
| Cone Penetrometer Rig  |          |                   |
| 0 - 50 foot depth interval   | \$14.00  | per foot          |
| 51 - 100 foot depth interval   | \$16.00  | per foot          |
| 101 - 150 foot depth interval  | \$20.00  | per foot          |
| <b>Note: Mobilization charge for cone penetrometer will be determined based upon rig used.</b> |          |                   |
| Dissipation Testing  | \$220.00 | per hour          |
| Difficult Access and Moving Track Rig between Borings  | \$220.00 | per hour          |
| Grouting SPT Boreholes   | \$5.00   | per foot          |
| Installation of Temporary Steel Casing (0 to 100 feet)   | \$7.00   | per foot          |
| Undisturbed Thin-Walled Tube Sampling  | \$100.00 | per tube          |
| Auger Boring (minimum 100 feet per job)  | \$9.00   | per foot          |
| Manual Auger Borings   | \$8.00   | per foot          |
| Muck Probing   |          |                   |
| 2-Man Crew   | \$110.00 | per hour          |
| 3-Man Crew   | \$150.00 | per hour          |
| Permeability Tests - Field   | \$450.00 | each              |
| Field Instrumentation Equipment  |          | priced on request |
| Drill Service from Floating Platform   |          | priced on request |
| Rock Coring  |          | priced on request |
| Ground Penetrating Radar   |          | priced on request |
| <b>LABORATORY TESTING</b>  |          |                   |
| <b>Atterberg Limits</b>  |          |                   |
| Liquid Limit and Plastic Limit   | \$95.00  | per sample        |
| Grain Size Distribution  | \$45.00  | per sample        |
| Percent Fines (Wash No. 200 Sieve)   | \$35.00  | per sample        |
| Hydrometer Analysis with Grain Size Distribution   | \$110.00 | per sample        |
| Organic Content Determination  | \$40.00  | per sample        |
| Moisture Content   | \$10.00  | per sample        |
| Specific Gravity (fine aggregate/soil)   | \$75.00  | per sample        |





**EXHIBIT B  
FEE SCHEDULE**

Proposed 178-0525-NC (SS), Countywide Resurfacing, Restoration, and Rehabilitation Paving

|   |            |                 |
|---|------------|-----------------|
| Specific Gravity (coarse aggregate)   | \$115.00   | per sample      |
| Consolidation   | \$500.00   | per sample      |
| with Hysteresis Loop  | \$100.00   | per loop        |
| Permeability Tests - Laboratory   |            |                 |
| Granular Soil (Constant Head)   | \$140.00   | per sample      |
| Cohesive Soil (triaxial, back pressure saturated)                           | \$300.00   | per sample      |
| Triaxial Compression Test (R, S, T; included mohrs circle)                  | \$400.00   | per sample      |
| with Back Pressure Saturation and pore pressure measurements, add           | \$300.00   | per sample      |
| Unconfined Compression Tests  | \$100.00   | per sample      |
| pH  | \$40.00    | per sample      |
| Resistivity   | \$55.00    | per sample      |
| Chloride  | \$45.00    | per sample      |
| <b>Sulfate or Sulfide</b>   | \$45.00    | per sample      |
| Corrosion Resistance (pH, R, Cl, Su)  | \$155.00   | per sample      |
| Turbidity (sample FOB Laboratory)   | \$40.00    | per sample      |
| <b>SOILS TESTING</b>  |            |                 |
| <b>Field Density Tests (minimum 5 tests per trip)</b>                       | \$22.00    | each            |
| Florida Bearing Value (FBV)   | \$35.00    | per sample      |
| Florida Bearing Value Determination of Blend Proportions                    | \$275.00   | per sample      |
| Limerock Bearing Ratio (LBR), 5 point                                       | \$275.00   | per sample      |
| Standard or Modified Proctor  | \$80.00    | per sample      |
| <b>Double Ring Infiltrometer Test</b>                                       | \$425.00   | each            |
| Soil-Cement, Field Inspection and Testing                                   | \$0.35     | per square yard |
| Soil-Cement, Laboratory Design Mixes (FOB Laboratory, FDOT Method)          | \$1,000.00 | per mix         |
| Soil-Cement, Laboratory Design Mixes (FOB Laboratory, PCA Short Cut Method) | \$500.00   | per mix         |
| Soil-Cement Compressive Strength (3 pills)                                  | \$60.00    | per set         |
| Each Additional Pill  | \$20.00    | each            |
| Soil-Cement Field Proctor   | \$65.00    | each            |
| <b>Relative Density Test (Minimum - Maximum)</b>                            | \$185.00   | each            |



EXHIBIT B  
FEE SCHEDULE

Proposed 178-0525-NC (SS), Countywide Resurfacing, Restoration, and Rehabilitation Paving

|   |                          |                     |
|---|--------------------------|---------------------|
| California Bearing Ratio  | \$300.00                 | per sample          |
| Soil Plate Load Tests (ASTM)  | \$900.00                 | each                |
| <b>CONCRETE TESTING SERVICES</b>  |                          |                     |
| Concrete Cylinders  |                          |                     |
| Making and Testing Cylinders including Slump Test (4 cylinders or less per set) | \$85.00                  | per set             |
| <b>Compression Tests of 6" x 12" Cylinders (FOB Laboratory)</b>                 | <b>\$15.00</b>           | <b>per cylinder</b> |
| Additional Cylinders  | \$15.00                  | per cylinder        |
| Extra Slump Tests   | \$18.00                  | each                |
| Air Content Tests   | \$22.00                  | each                |
| Making and Testing Flexural Beams, 3 beams per set                              | \$175.00                 | per set             |
| Concrete Coring   |                          |                     |
| Mobilization for Coring   | \$125.00                 | per trip            |
| Obtaining and Testing Concrete Cores  | \$95.00                  | each                |
| Patching Cored Holes  | \$15.00                  | each                |
| Concrete Design Mixes   | <b>priced on request</b> |                     |
| Concrete Ready Mix Plant or Job Inspection                                      | \$55.00                  | per hour            |
| Sieve Analysis, Fine Aggregate  | \$50.00                  | per sample          |
| Sieve Analysis, Coarse Aggregate  | \$80.00                  | per sample          |
| Absorption  | \$45.00                  | per sample          |
| Specific Gravity  | \$75.00                  | per sample          |
| <b>Unit Weight</b>  | \$35.00                  | per sample          |
| Material Finer than No. 200 Sieve   | \$30.00                  | per sample          |
| Organic (Colometric ASTM C-40)  | \$45.00                  | per sample          |
| Salt Content  | \$45.00                  | per sample          |
| Los Angeles Abrasion  | \$525.00                 | per sample          |
| <b>Soundness (5 cycle sodium sulphate)</b>                                      | \$450.00                 | per sample          |
| Soundness (5 cycle magnesium sulphate)  | \$425.00                 | per sample          |
| Floor Flatness/Levelness:   |                          |                     |
| Equipment Charge  | \$150.00                 | each                |





**EXHIBIT B  
FEE SCHEDULE**

Proposed 178-0525-NC (SS), Countywide Resurfacing, Restoration, and Rehabilitation Paving

|   |                 |
|---|-----------------|
| Up to 20,000 square feet                      | \$1,000.00 each |
| From 20,000 square feet to 40,000 square feet | \$1,200.00 each |

|  |                         |
|--|-------------------------|
| Greater than 40,000 square feet  | \$1,500.00 each         |
| <b>In- Situ Testing (Swiss Hammer, Windsor Probe, etc.):<br/>Calibration &amp; Equipment Usage</b> | \$85.00 per hour        |
| Windsor Probe Shots  | \$25.00 per shot        |
| Moisture Emissions   | \$35.00 per kit         |
| Moisture Emissions:<br>Trip 1: Kit Installation<br>Trip 2: Kit Pick-Up & Calculations              | \$65.00 per hour        |
| <b>MASONRY TESTING SERVICES</b>  |                         |
| Compressive Strength, ASTM C-140   | \$50.00 each            |
| Absorption and Moisture Content, ASTM C-140  | \$50.00 each            |
| Linear Shrinkage Tests of Concrete Block (ASTM 426)  | \$400.00 per set        |
| Compressive Strength of Hollow Masonry Prisms, ASTM E-477  | \$80.00 per prism       |
| Compressive Strength of Grouted Masonry Prisms   | \$120.00 per prism      |
| Molding and Testing 2" Masonry Mortar Cubes, set of 3  | \$80.00 per set         |
| Mortar Mix Design (ASTM C-270)   | priced on request       |
| Making and Testing 3 1/2" x 3 1/2" x 7" Grout Prisms, set of 3                                     | \$110.00 per set        |
| <b>ASPHALTIC CONCRETE TESTING SERVICES</b>   |                         |
| Asphaltic Concrete Plant Inspection (FDOT Certified)   | \$65.00 per hour        |
| Extraction and Gradation   | \$170.00 per sample     |
| Marshall Stability (FOB Laboratory)  | \$100.00 per sample     |
| Asphaltic Concrete Mix Design (including void analysis and family of curves)                       | \$800.00 per mix        |
| Coring Pavement to Obtain Density and Thickness Samples  | \$60.00 per sample      |
| Laboratory Testing of Asphaltic Cores for Density  | \$30.00 per core        |
| <b>STRUCTURAL STEEL/METALS</b>   |                         |
| <b>Inspection of Structural Steel and Fireproofing<br/>(weld, bolts, decking)</b>                  | \$300.00 per inspection |
| Senior Certified Welding Inspector (SCWI)  | \$90.00 per hour        |





**EXHIBIT B  
FEE SCHEDULE**

Proposed 178-0525-NC (SS), Countywide Resurfacing, Restoration, and Rehabilitation Paving

|   |                   |            |
|---|-------------------|------------|
| Certified Welding Inspector (CWI)   | \$75.00           | per hour   |
| Non-Destructive Testing Equipment Usage Charge*   |                   |            |
| Ultrasonic  | \$135.00          | per day    |
| Magnetic Particle   | \$85.00           | per day    |
| Dye Penetrant   | \$85.00           | per day    |
| Radiography   | priced on request |            |
| <b>* in addition to hourly technician charge</b>  |                   |            |
| <b>STRUCTURAL INSPECTION</b>  |                   |            |
| Reinforcing Steel Inspector   | \$70.00           | per hour   |
| Equipment Usage   | \$15.00           | per hour   |
| Inspection and Analysis of Built-Up Roofing   |                   |            |
| Monitoring Construction   | \$60.00           | per hour   |
| Analysis of New Built-Up Roofing Components (ASTM D-3617) - cutting and patching by contractor                        | \$90.00           | per sample |
| Analysis of Existing Built-Up Roofing Components (ASTM D-2829)  | \$360.00          | per sample |
| Special Testing Services  |                   |            |
| <b>Vibration Monitoring Equipment*</b>  | \$1,400.00        | per month  |
| Ultrasonic Testing of Concrete  | \$85.00           | per hour   |
| Pulse Velocity Testing  | \$90.00           | per hour   |
| Floor Flatness and Levelness Profiler (dipstick)  | \$725.00          | per area   |
| <b>* Cost for set-up &amp; monitoring. Engineering Services will be invoiced additionally at standard unit rates.</b> |                   |            |
| Infrared Thermography of CMU Filled Cells & Moisture intrusion- Inspection  | \$75.00           | per hour   |
| Infrared Thermography of CMU Filled Cells & Moisture intrusion - Equipment Charge                                     | \$125.00          | each       |



**EXHIBIT B  
FEE SCHEDULE**

Proposed 178-0525-NC (SS), Countywide Resurfacing, Restoration, and Rehabilitation Paving

| <b>WELL CONSTRUCTION/INSTALLATION CATEGORIES</b> |  |                          |                        |                |
|--|--|--------------------------|------------------------|----------------|
| <b>TEMPORARY</b>                                 |  | <b>PERMANENT</b>         |                        |                |
|  | <b>FLIGHT AUGER</b>                          | <b>HSA WITH SANDPACK</b> | <b>STEEL PROTECTOR</b> | <b>MANHOLE</b> |
| 10'  | \$350/1.s.                                   | \$30/ft.                 | \$40/ft.               | \$45/ft.       |
| 10' _D_ 15'                                      | \$350  | \$30/ft.                 | \$35/ft.               | \$40/ft.       |
| 15' _D_ 20'                                      | \$350  | \$30/ft.                 | \$35/ft.               | \$40/ft.       |
| 20' _D_ 30'                                      | n/a  | \$30/ft.                 | \$35/ft.               | \$35/ft.       |
| 30' _D_ 40'                                      | n/a  | \$30/ft.                 | \$35/ft.               | \$35/ft.       |
| 40' _D_ 50'                                      | n/a  | \$30/ft.                 | \$35/ft.               | \$35/ft.       |
| 50' D_ 60'                                       | n/a  | \$30/ft.                 | \$35/ft.               | \$35/ft.       |
| D60'   | n/a  | POR                      | POR                    | POR            |
| 6"   | Surface Casing For Deep & Intermediate Wells |                          | \$65.00                | per foot       |



GEOTECHNICAL • ENVIRONMENTAL  
MATERIALS TESTING

**EXHIBIT B - GEOTECHNICAL FEE SCHEDULE**

Consultant Services for Professional Engineering for Pinellas County  
Countywide Resurfacing, Restoration, and Rehabilitation Paving Project

Contract No.: 178-0525-NC (SS)

October 22, 2018

| Service Element | Unit | Cost Per Unit |
|-----------------|------|---------------|
|-----------------|------|---------------|

**I. FIELD INVESTIGATION**

1. Mobilization of Men and Equipment

|                         |          |    |          |
|-------------------------|----------|----|----------|
| Truck Mounted Equipment | Each     | \$ | 337.50   |
| Specialized ATV/Mudbug  | Each     | \$ | 685.00   |
| Support Vehicle         | Per Trip | \$ | 197.00   |
| Track Mounted Equipment | Each     | \$ | 1,530.00 |
| Barge Mounted Equipment | Each     | \$ | 7,820.00 |
| Safety Boat             | Per Trip | \$ | 525.00   |

2. Truck Mounted Equipment

a. Standard Penetration Test (SPT) Borings

|               |      |    |       |
|---------------|------|----|-------|
| 0 - 50 feet   | L.F. | \$ | 13.95 |
| 50-100 feet   | L.F. | \$ | 16.65 |
| 100 -150 feet | L.F. | \$ | 31.05 |

b. Grout Seal Boreholes

|              |      |    |      |
|--------------|------|----|------|
| 0 - 50 feet  | L.F. | \$ | 6.08 |
| 50-100 feet  | L.F. | \$ | 7.20 |
| 100-150 feet | L.F. | \$ | 9.90 |

c. Casing Allowance

|              |      |    |       |
|--------------|------|----|-------|
| 0 - 50 feet  | L.F. | \$ | 9.50  |
| 50-100 feet  | L.F. | \$ | 11.50 |
| 100-150 feet | L.F. | \$ | 13.75 |

d. Rock Coring

|              |      |    |       |
|--------------|------|----|-------|
| 0 - 50 feet  | L.F. | \$ | 42.00 |
| 50-100 feet  | L.F. | \$ | 52.50 |
| 100-150 feet | L.F. | \$ | 61.00 |

3. Barge/Track Mounted Drilling Equipment

a. Standard Penetration Test Borings

|              |      |    |       |
|--------------|------|----|-------|
| 0 - 50 feet  | L.F. | \$ | 21.38 |
| 50-100 feet  | L.F. | \$ | 25.20 |
| 100-150 feet | L.F. | \$ | 46.80 |

b. Grout-Seal Boreholes

|              |      |    |       |
|--------------|------|----|-------|
| 0 - 50 feet  | L.F. | \$ | 7.88  |
| 50-100 feet  | L.F. | \$ | 10.35 |
| 100-150 feet | L.F. | \$ | 14.85 |

c. Casing Allowance

|             |      |    |       |
|-------------|------|----|-------|
| 0 - 50 feet | L.F. | \$ | 14.75 |
| 50-100 feet | L.F. | \$ | 16.75 |

5808 – A Breckenridge Parkway, Tampa, Florida 33610

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|  |              |    |        |
|--|--------------|----|--------|
| 100-150 feet   | L.F.         | \$ | 18.75  |
| d. Rock Coring                                       |              |    |        |
| 0 - 50 feet  | L.F.         | \$ | 51.00  |
| 50-100 feet  | L.F.         | \$ | 62.00  |
| 100-150 feet   | L.F.         | \$ | 73.00  |
| 4. Extra Split Spoon Samples                         |              |    |        |
| 0 - 50 feet  | Each         | \$ | 39.00  |
| 50-100 feet  | Each         | \$ | 44.50  |
| 100-150 feet   | Each         | \$ | 46.00  |
| 5. Auger Borings                                     |              |    |        |
| 0 - 50 feet LF                                       | L.F.         | \$ | 11.00  |
| 6. Backhoe for Test Pit Excavation                   |              |    |        |
| Cost based on equipment rental (TBN) and labor       | Per Day      |    |        |
| 7. Shelby Tube Samples                               |              |    |        |
| 0 - 50 feet  | Each         | \$ | 210.00 |
| 8. Infiltration Tests                                | Each         | \$ | 540.00 |
| 9. Permeability Tests                                | Each         | \$ | 545.00 |
| 10. Flagmen & Barricades (2 man crew)                |              |    |        |
| Barricades/MOT                                       | Per Day      | \$ | 935.00 |
| Flagmen  | Per Day      | \$ | 935.00 |
| 11. Hand Probes (2-man Crew)                         | Per Day      | \$ | 935.00 |
| 12. 2 inch Piezometer Installation LF                | L.F.         | \$ | 45.00  |
| 13. Drilling Permits if required                     | Per Boring   | \$ | 50.00  |
| 14. Site Clearing/Difficult Access                   |              |    |        |
| Cost based on equipment rental (TBN) and labor       | Per Day      |    |        |
| 15. Pavement Cores (Asphalt)                         | Per Boring   | \$ | 175.00 |
| 16. Pavement Cores (Asphalt with DCP testing)        | Per Boring   | \$ | 260.00 |
| 17. Silt Fencing (protect water body from sediments) | Per Location | \$ | 185.00 |

## II. LABORATORY INVESTIGATION

|   |           |    |        |
|---|-----------|----|--------|
| 1. Visual Examination/Stratify                |           |    |        |
| Per Set (1 Set = 5feet)                       | Set       | \$ | 6.38   |
| 2. Natural Moisture Content Tests             | Each Test | \$ | 9.35   |
| 3. Grain Size Analysis (Full Gradation)       | Each Test | \$ | 72.00  |
| (Single Sieve)                                | Each Test | \$ | 65.00  |
| 4. Organic Content Tests                      | Each Test | \$ | 47.00  |
| 5. Atterberg Limit Tests                      | Each Test | \$ | 127.00 |
| Liquid Limit Only                             | Each Test | \$ | 74.00  |
| Plastic Limit Only                            | Each Test | \$ | 53.00  |
| 6. Environmental Test                         |           |    |        |
| (pH, sulfates, chlorides, resistivity)        | Each Test | \$ | 185.25 |
| 7. Limerock Bearing Ratio Test                | Each Test | \$ | 373.50 |
| 8. Consolidation Test                         | Each Test | \$ | 462.00 |
| 9. Specific Gravity                           | Each Test | \$ | 90.00  |
| 10. Extraction & Gradation of Asphalt Samples | Each Test | \$ | 210.00 |

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|                                     |           |    |        |
|-------------------------------------|-----------|----|--------|
| 10. Triaxial Shear Test (per point) | Each Test | \$ | 190.00 |
| 11. Split Tension Test              | Each Test | \$ | 150.00 |
| 12. Unconfined Compression Test     | Each Test | \$ | 145.00 |

**III. ENGINEERING AND TECHNICAL SERVICES**

|                     |      |    |        |
|---------------------|------|----|--------|
| 1. Project Manager  | Hour | \$ | 171.00 |
| 2. Chief Engineer   | Hour | \$ | 195.00 |
| 3. Senior Engineer  | Hour | \$ | 158.00 |
| 4. Project Engineer | Hour | \$ | 125.60 |
| 5. Engineer         | Hour | \$ | 113.60 |
| 6. Geologist        | Hour | \$ | 85.00  |
| 7. Sr. Technician   | Hour | \$ | 73.80  |
| 8. Technician       | Hour | \$ | 61.20  |
| 9. CADD Technician  | Hour | \$ | 77.90  |
| 10. Clerical        | Hour | \$ | 59.50  |