

**BOARD OF COUNTY COMMISSIONERS**

DATE: January 14, 2014  
AGENDA ITEM NO. 216.

Consent Agenda ☐

Regular Agenda ☒

Public Hearing ☐

County Administrator's Signature:

**Subject:**

Approval of Ranking of Firms and Final Negotiated Contract – Professional Engineering Services S.R. 580/CR 1/Curlew Road and Related ADA Ramps  
Contract No. 112-0539-NC(RM)

**Department:**

Department of Environment and Infrastructure (DEI)  
/Purchasing

**Staff Member Responsible:**

Jorge Quintas / Joe Lauro

**Recommended Action:**

I RECOMMEND THE BOARD OF COUNTY COMMISSIONERS APPROVE THE RANKING OF FIRMS AND CONTRACT AWARD FOR PROFESSIONAL ENGINEERING SERVICES S.R. 580/CR 1/CURLEW RD AND RELATED AMERICAN WITH DISABILITIES ACT (ADA) RAMPS LOCAL AGENCY PROGRAM (LAP) WITH THE HIGHEST RANKED FIRM, ICON CONSULTANT GROUP INC., (ICON) TAMPA, FLORIDA.

IT IS FURTHER RECOMMENDED THAT THE CHAIRMAN SIGN THE AGREEMENT AND THE CLERK ATTEST.

**Summary Explanation/Background:**

The purpose of this contract is to fulfill the LAP agreement the County has with the Florida Department of Transportation (FDOT) for the development of plans and specifications and to perform all other professional engineering services as may be required during the construction of sidewalks along County Road 1 from State Road (S.R.) 580 to Curlew Road and related ADA Ramps.

On February 1, 2013, in accordance with Consultant Competitive Negotiation Act (CCNA) requirements, the Purchasing Department on behalf of the Department of Environment and Infrastructure (DEI) let a Request for Proposal (RFP) for the intent of obtaining the services of a qualified engineering build firm to provide the services as described above.

An evaluation committee consisting of two (2) representatives from DEI's Design and Technical Support Division; one (1) representative from DEI's Water and Sewer Division; one (1) representative from DEI's Stormwater Division and one (1) representative from DEI's Planning Division, along with the Purchasing Department acting as facilitator met on March 29, 2013 to evaluate, score and rank the submittals received.

The evaluation resulted in ranking as follows:

1. ICON
2. Bayside Engineering
3. DRMP, Inc.
4. Cardno TBE
5. Cumbeys & Fair, Inc.

6. Ayres Associates
7. URS Corporation Southern
8. Parra & Karimi Engineering, LLC
9. Aim Engineering & Surveying, Inc.
10. CPH
11. Shaw Environmental & Infrastructure
12. Wade Trim, Inc.
13. Florida Design Consultants, Inc.
14. Compass Engineering & Surveying d/b/a Deuel & Associates
15. LBYD, Inc.

The three (3) highest ranked firms were then invited to an oral presentation on April 26, 2013 resulting in the final ranking as follows:

1. ICON
2. DRMP, Inc.
3. Bayside Engineering, Inc.

FDOT serves as the prime recipient of federal transportation funds and is the supervising agency for LAP projects and certifies Local Agencies to participate in LAP for design or construction phases. Prior to seeking approval of a final contract with the highest ranking firm, the County's LAP Coordinator must submit all contract documents to FDOT for review and approval including the proposed scope, budget and schedules along with a copy of the RFP, addenda, advertisement and a draft of the final agreement. FDOT must approve the County's solicitation and qualification process before staff can reasonably recommend award. Additionally, FDOT has a scheduled design completion date for this project; therefore to reduce further protraction of this project due to the amount of FDOT oversight required and to keep the project as timely as possible, staff negotiated with ICON prior to BCC approval of the ranking of firms.

Staff successfully negotiated a contract with fully burdened hourly personnel rates with ICON. Hourly rates include all labor, direct/indirect overhead, margins/profit, and travel within the Tampa Bay Metropolitan Statistical (TBMSA) Area. Travel outside of the TBMSA will be reimbursed in accordance with Florida Statutes.

The agreement term is effective through January 31, 2016.

**Fiscal Impact/Cost/Revenue Summary:**

The total estimated aggregate value of this contract is in an amount not to exceed \$265,393.56 for the term of the contract. The project is 100% LAP grant funded provided by FDOT.

**Exhibits/Attachments:**

Contract Review  
Agreement  
Evaluation Criteria Tabulation



**PURCHASING DEPARTMENT  
CONTRACT REVIEW TRANSMITTAL**

CATS  
NO.:

42953

**PROJECT: Approval of Ranking and Final Negotiated Agreement for Professional Engineering Consulting- County Road 1 from State Road 580 to Curlew Road and Related ADA Ramps FDOT LAP funded project**

**RFP NUMBER: 112-0539-NC(RM)**

**REQ. NUMBER:**

**TYPE:** ☐ Purchase Contract ☒ Other: CCNA ☐ Construction-Less than \$100,000 ☐ One Time

In accordance with the policy guide for Contract Administration, the attached documents are submitted for review and comment.

Upon completion of review, complete Contract Review Transmittal and forward to next Review Authority listed. Please indicate suggested changes by revising, in RED, the appropriate section of the document reflecting the exact wording of the change.

**RISK MANAGEMENT:** Please enter required liability coverage on pages: attached  
This is an annual contract.

**PRODUCT ONLY** ☐

Estimated Expenditure: \$185,000.00

REVIEW SEQUENCE	REVIEW AUTHORITY	REVIEW DATE	REVIEW SIGNATURE	COMMENTS (Attach Separate page if necessary)	COMMENTS INCORPORATED
1.	<u>Purchasing Dept.</u> J. Lauro, Director C. Mancuso, Ass't. Director Ruby McKenzie PA			DEI will provide \$\$ total and insert any changes needed to attachments. Final agmt w/b sent to legal for preparation upon FDOT approval of documents	
2.	<u>Requesting Dept.</u> Jorge Quintas, Director Ivan Fernandez - Mgr David Talhouk - LAP Coord Merry Celeste	10/9/13 10/9/13 10/9/13 9/16/13 GGC	 	- LAP needs to be signed in memo + MARKUPS See red-lined markups	

Using Dept please provide below information:

☒ Yes, funding for this requisition is using grant Funding. ☐ No, funding for this requisition is not using grant Funding.

If grant funding is being used you must provide Purchasing with the exact clauses that need to be on attached document.

Revd 10/10/13	<u>Risk Management Director</u> Attn: Virginia E. Holscher (Check applicable box at right)	10/14/13		Inv. Req. IN RFP	HIGH RISK
4.	<u>BCC Finance</u> Attn: Cassandra Williams	10/11/13			NOT HIGH RISK
5.	<u>Legal</u> Attn: Miles Belknap	10/14/13		As 15/17 of Agreement - needs new indemnification language	
6.	<u>Asst. County Administrator</u> David Scott	10/10/13			
7.	<u>Asst. County Administrator</u> Attn: M. Woodard	10/23/13			

**RETURN ALL DOCUMENTS TO PURCHASING**

Make all inquiries to: Ruby McKenzie at Extension 4-3795

In order to meet the following schedule, please return your requirements to Purchasing by:

**TENTATIVE DATES**

RFP Mail Out: TBD

RFP Opening: TBD

BCC Approval: TBD

# PROFESSIONAL SERVICES NON-CONTINUING SERVICES SAMPLE AGREEMENT

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**SECTION 1  
INTENT OF AGREEMENT**

**AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR  
State Road (S.R.) 580/ County Road (CR) 1/Curlew Rd and Related ADA Ramps (LAP)**

THIS AGREEMENT, entered into on the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, 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 ICON Consultant Group, Inc., with offices in Tampa, 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 related to the work for sidewalk improvements and ADA Ramps along CR 1 (Keene Road) from SR 580/Main St. to SR 586/Curlew Road 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:

Pinellas County is seeking the professional services of an engineering consultant to design; prepare plans; acquire permits; develop construction specification; and provide engineering services for the construction of ADA compliant sidewalks, ramps and driveways along both sides of the roadway. The sidewalks shall be 6" thick throughout the PROJECT limits, unless otherwise approved by the COUNTY. Drainage Improvements required to accommodate sidewalk construction shall be designed in accordance with Pinellas County Ordinances and Southwest Florida Water Management District (SWFWMD) regulations for differing storm events (i.e., ten (10) year, etc.). All required permits shall be obtained by the engineering consultant. Plans shall be prepared in accordance with Civil 3D Pinellas County Requirements. Attached and made a part of this agreement are: Exhibit A - Schedule of Hourly Rates; Exhibit B - Scope of Services; Exhibit C – Man-hour Estimates/Fee Proposal; and Appendix 1 - Terms for Federal Aid Contracts/Florida Department of Transportation

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.

Since this is a federally funded PROJECT through a Local Agency Program (LAP) agreement, all services provided under this Agreement will need to comply with the Terms for Federal Aid Contracts / Florida Department of Transportation (FDOT) identified in Appendix 1 of this Agreement.

### **2.2 PROJECT PHASES**

All project phases shall be completed on or before the milestone dates provided in the FDOT Work Program Schedule.

### **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, 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 on electronically and on CD ROM formatted to .DXF or .DWG utilizing AutoCAD Release 14.0 or later and 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, 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 B – 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.

At County's option the following Bid Service Tasks may be requested and negotiated as an additional Service:

3.2.1 The CONSULTANT, following the COUNTY'S review of the Construction Documents and of the latest Statement of Probable Construction Cost, shall be available to assist the COUNTY in obtaining bids, and in preparing and awarding construction contracts for each bid package. The CONSULTANT shall assist conducting pre-bid conferences, and shall prepare a Bid Tabulation spreadsheet following receipt of bids.

3.2.2 If the Advertisement for bids has not commenced within sixty (60) days after the CONSULTANT submits the approved Construction Documents to the COUNTY, any fixed limit of Construction Cost established as a condition of this Agreement shall be adjusted to reflect any change in the general level of prices which may have occurred during that period of time in construction industry. The adjustment shall reflect changes between the date of submission of the Construction Documents to the COUNTY and the date on which the Advertisement for Bids occurred.

3.2.3 The CONSULTANT shall prepare any required addenda to construction plans and specifications on the PROJECT during the bidding phase affecting the CONSULTANT'S plans and specifications. The CONSULTANT shall also provide any addenda during the Construction Phase in sufficient quantity to distribute to all necessary parties as determined by the COUNTY. Addenda material shall be placed in envelopes by the CONSULTANT for mailing by the COUNTY. The CONSULTANT shall also furnish certified mail receipt material and prepare mailing labels. The COUNTY shall mail all addenda.

### 3.3 CONSTRUCTION PHASE

At County's option the following Construction Service Tasks may be requested and negotiated as an additional Service:

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 subconsultants 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 facility at initial occupancy and at three (3) month, six (6) month and one (1) year after issuance of the Certificate of Substantial Completion. On the facility visit the CONSULTANT shall observe, troubleshoot and assist in the operation of building systems. This shall not relieve the CONSULTANT of other needed visits to the facility 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 will furnish check prints for every project phase including five (5) sets at the 50% point of each phase and at every PROJECT phase completion. One (1) set of paper sepia's shall be provided to the COUNTY for Owner-provided printing and distribution.

3.4.4 The CONSULTANT shall submit to the COUNTY design notes and computations to document the design conclusions reached during the development of the construction plans.

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

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

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

3.4.5 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.

3.4.6 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.

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

3.4.8 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.

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

3.4.10 All work prepared and/or submitted shall be reviewed and checked by a CONSULTANT (Architect/Engineer) registered in Florida. All plans shall be signed and sealed by the Professional CONSULTANT in responsible charge.

### 3.5 PERMIT APPLICATIONS AND APPROVALS

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

3.5.2 The CONSULTANT shall, at no additional cost to the COUNTY, make all reasonable and necessary construction plans revisions required to obtain the necessary permit approvals for construction of the PROJECT.

3.5.3 For the purpose of ensuring the timely approval of all permits necessary for the construction of the PROJECT, the CONSULTANT shall schedule the necessary contacts and liaison with all agencies having permit jurisdiction over the PROJECT, and shall furnish, on a timely basis, such plans, data and information as may be necessary to secure approval of the required permits.

### 3.6 COORDINATION WITH UTILITY SERVICES AND AFFECTED PUBLIC AGENCIES

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

3.6.2 Drainage investigations and drainage design shall be coordinated with any city or drainage district that may be affected by or have an effect on the PROJECT.

## **SECTION 4 SERVICES TO BE FURNISHED BY THE COUNTY**

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

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

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

The following services shall be provided 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 Environment and Infrastructure (DEI) 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 B shall constitute the Basic Services to be performed by the CONSULTANT under this Agreement.

### **6.2 OPTIONAL SERVICES**

Services noted in Exhibit B 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 Department of Environment and Infrastructure, or designee.

### **6.3 CONTINGENCY SERVICES**

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

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

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

All progress reports shall be mailed to the attention of the designated Project Manager, Department of Environment & Infrastructure, 14 S. Ft. Harrison Ave, Clearwater, FL 33756.

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    \$6,110 Task 1 – General Task Phase of the PROJECT
- A Lump Sum Fee    \$43,030 Task 2 - Sidewalk Analysis Phase of the PROJECT
- A Lump Sum Fee    \$12,745 Task 3 – Drainage Analysis Phase of the PROJECT
- A Lump Sum Fee:    \$2,300 Task 4 – Environmental Permitting Phase of the PROJECT



A Lump Sum Fee \$24,260 Task 5 – Traffic Design Phase of the PROJECT  
(\$13,635 Task 5a – Signing & Pavement Marking Analysis of Traffic Design Phase)  
(\$10,625 Task 5b – Signalization Analysis of Traffic Design Phase)

A Lump Sum Fee \$4,355 Task 6 – Utility Coordination Phase of the PROJECT

A Lump Sum Fee \$27,250 Task 7 – Sidewalk Plans Phase of the PROJECT

A Lump Sum Fee \$45,209.40 Task 8 - SUE and SURVEY

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

A Lump Sum Fee \$5,030 Task 9a. OS LAP Coordination

A Lump Sum Fee \$1,915 Task 9b. OS Public Involvement Support

A Lump Sum Fee \$21,331.97 Task 9c. OS Additional signage and Warning Lights at Falcon/Amberlea Drive

A Lump Sum Fee \$10,164.15 Task 9d. OS Improve Sight Distance for 8 Side Streets

A Lump Sum Fee \$37,693.04 Task 9e. OS Side Street Slope Correction through the Crosswalk that Exceed 2%

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

The above fees shall constitute the total not to exceed amount of Two Hundred Forty-One Thousand Three Hundred Ninety-Three Dollars and 56/100 (**\$241,393.56**) to the CONSULTANT for the performance of Basic Services and Optional Services. All man hours are billed per the established and agreed rates as stated in Exhibit A. 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 that area will be reimbursed in accordance with Section 112.061 F.S.

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 Twenty Four Thousand Dollars and 00/100 (**\$24,000.00**) for all assignments performed.

7.4 Total agreement amount Two Hundred Sixty-Five Thousand, Three Hundred Ninety-Three Dollars and 56/100 (**\$265,393.56**).

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 FDOT Work Program Schedule.

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 Environment and Infrastructure (DEI) 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.

## **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 Environment and Infrastructure (DEI) 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 three (3) 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 through **January 31, 2016**, 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**

The CONSULTANT is directed to the Florida Public Entity Crimes Act, Section 287.133, Florida Statutes, specifically section 2(a), and the COUNTY'S requirement that the CONSULTANT comply with it in all respects prior to and during the term of the Contract.




**SECTION 27  
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.

ICON Consultant Group, Inc.

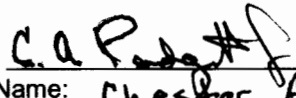
PINELLAS COUNTY, by and through its  
Board of County Commissioners

By:   
Print Name: Michael E. Mills, PE  
Title: President Date: 12/3/13

By: \_\_\_\_\_  
Chairman Date: \_\_\_\_\_

ATTEST:


ATTEST:  
Ken Burke, Clerk of the Circuit Court

By:   
Print Name: Chester A. Padgett Jr.  
Title: Project Manager Date: 12/3/13

By: \_\_\_\_\_  
Deputy Clerk Date: \_\_\_\_\_

(CORPORATE SEAL)

APPROVAL AS TO FORM:

By:   
Office of the County Attorney

**EXHIBIT B**  
**SCOPE OF SERVICES FOR CONSULTING ENGINEERING SERVICES**  
**112-0539-NC (RM)**

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

**I. PROJECT TITLE**

Professional Engineering Services for CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP).

**II. OBJECTIVE:**

The overall objective of this document is to describe the scope of work and responsibilities of the CONSULTANT for developing plans and specifications and performing all other professional engineering work along CR 1 (Keene Road) from SR 580/Main St to SR 586/Curlew Road in Pinellas County, Florida. Since this is a Federally funded project, the engineering services provided for this project will need to meet all current National Environmental Policy Act (NEPA) requirements.

**III. PROJECT DESCRIPTION:**

The project consists of the replacement of sidewalks, ramps and driveways on both sides of road that do not meet ADA standards and incidental work along CR 1 (Keene Road) from SR 580/Main St to SR 586/Curlew Road in Pinellas County, Florida.

**IV. SCOPE OF WORK:**

Pinellas County is seeking the professional services of an engineering consultant to design; prepare plans; acquire permits; develop construction specifications; and provide engineering services for the construction of ADA compliant sidewalks, ramps and driveways along both sides of the roadway. Sidewalk replacement or re-construction shall be 6" thick through driveways and 4" thick at all other locations throughout the project limits unless otherwise approved by the COUNTY. Drainage improvements required to accommodate sidewalk construction shall be designed in accordance with Pinellas County Ordinances and Southwest Florida Water Management District (SWFWMD) regulations for differing storm events (i.e., ten (10) year, etc.). 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

- The plans shall be provided electronically as PDFs for the phase review submittals.
- Two (2) paper prints signed and sealed by a Professional Engineer certified in the State of Florida will be provided for the contract documents.
- An electronic copy of the CADD files and a PDF of the construction plans and design documents will be provided for the final submittal.
- All technical specifications required for construction of project.

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b) Estimated Timelines

- 15% line & grade, Civil 3D file (eTransmit) of Construction plans - 3 months after NTP
- 60% completion, Civil 3D file (eTransmit) of Construction plans - 5 months after NTP
- 100% completion, Civil 3D file (eTransmit) of Construction plans – 7.5 months after NTP
- Final Plans - 10 months after NTP

This project is being funded for design and construction with federal funds through the Federal Department of Transportation (FDOT) LAP process.

**DESIGN SERVICES INCLUDE:**

**Task 1: GENERAL TASKS**

**Specification 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 and FDOT LAP approved pay item structure.

**Project Meetings:**

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

**Bidability and Constructability Review**

The CONSULTANT shall provide a Peer Review as follows:

1. Perform a constructability review as part of the 60% Plans review. This process shall include providing clear decisions and directions and documentation of all decisions, assumptions and recommendations.
2. Perform a bidability review as part of the 100% Plans review. This process shall include providing clear decisions and directions and documentation of all decisions, assumptions and recommendations.

**EXHIBIT B**  
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**Task 2:       SIDEWALK ANALYSIS**

**Horizontal/Vertical Master Design Files:**

The CONSULTANT shall design the geometrics using the design standards that give proper consideration to the adjacent land use, design consistency and driver expectancy, aesthetics, pedestrian and bicycle concerns, ADA requirements, elder road user policy, and scope of work. At a minimum, the Florida Greenbook Standards (2013) shall be met.

**15% line and grade**

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

**Cross Section Design Files:**

The CONSULTANT shall establish and develop cross section design files in accordance with the COUNTY Civil 3D CADD manual and FDOT Plans Preparation manual. Assume sections every 50 ft. for earthwork.

**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.

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**Design Report:**

The CONSULTANT also shall develop project specific design criteria which will be included in the design report. The CONSULTANT shall evaluate the approved sidewalk geometrics approved by the COUNTY at the (Line and Grade) 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"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. The data shall be in a hardback folder for submittal to the COUNTY.

**Engineer's Estimate & Quantities:**

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

CONSULTANT shall prepare bid quantities that include all bid items, which 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 the CONSULTANT'S quantities.

Preliminary bid quantities shall be submitted with the conceptual and 60% design review submittals. Final bid quantities shall be submitted with the 100% design review submittal. 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 the most current costs obtained from the FDOT Construction Contract History and as confirmed by the COUNTY.

**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.

**Driveway Harmonization:**

The CONSULTANT shall coordinate with property owners along the project in which the sidewalk shall cause the driveway to be modified within the COUNTY'S right-of-way.



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The CONSULTANT shall develop half sections at the modified driveways to ensure the driveway connection can meet the FDOT Design Standards and tie into the existing right-of-way. There are approximately 40 total driveways and 60% of the driveways shall have to be reworked to accommodate the sidewalk.

**Bus Stop Improvements**

There are 11 bus stops within the corridor. Add sidewalk and curb connection and bus pads.

**Right-Of-Way Consideration:**

The CONSULTANT shall establish right of way requirements at locations where insufficient right-of-way is available to construct the proposed sidewalk. The COUNTY shall then provide direction on how to proceed with these locations.

**Task 3: DRAINAGE ANALYSIS**

Data Collection - The CONSULTANT shall review all existing sidewalk 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 have the following features: is consistent with requirements of FDEP, SWFWMD, USACOE, Pinellas County and any other regulatory agencies which have jurisdiction over the project; additionally is consistent with requirements the COUNTY Stormwater related criteria in the COUNTY's code of ordinance; 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 CONSULTANT shall conduct two (2) drainage field reviews and attend two (2) Technical meeting reviews (1 prior to 60%, 1 prior to 100%) regarding drainage.

The intent of the drainage design is to adjust/modify the existing drainage system where it is impacted by the placement of the new sidewalk. It is estimated that up to four (4) existing inlets may be impacted which shall require modification. It is not anticipated that a new stormwater system shall be required other than providing short (less than 25 ft.) stormsewer pipes be provided to connect to the existing stormsewer system. The Stormwater conveyance capacity of the facilities shall not be reduced.

Included 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 stormsewer pipes required. Calculations for any new inlets and stormsewer pipes shall be performed for sizing these facilities and shall be included in a technical memorandum/report. In locations where proposed curbing is to be

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added in conjunction with the added sidewalk, spread of flow calculations shall be provided in accordance with COUNTY Stormwater requirements described in the code of ordinances.

**Task 4: ENVIRONMENTAL PERMITTING**

The CONSULTANT shall prepare a letter of exemption from environmental permitting. In the event that stormwater treatment, attenuation, wetland mitigation, etc. is required and an ERP application is necessary, a **supplemental agreement** shall be negotiated with the COUNTY. No permit applications are anticipated for this project.

**Task 5: TRAFFIC ANALYSIS**

**Signing & Pavement Marking Analysis:**

The CONSULTANT shall analyze and document Signing and Pavement Markings Tasks 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.

Sign Panel Design Analysis - Establish sign layout, letter size and series for non-standard signs.

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

**Signalization Analysis:**

CONSULTANT shall prepare a pedestrian signalization analysis for the following intersections:

1. San Christopher Drive at CR 1
2. Solon Avenue at CR 1
3. Michigan Boulevard at CR 1

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 and FDOT. 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.

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**Signing & Pavement Marking and Signalization Plans:**

The CONSULTANT shall prepare a set of Signing & Pavement Marking and Signalization Plans that shall be included in the sidewalk plans. These plans shall be in accordance with the Plans Preparation Manual that includes the following:

- a. Tabulation of Quantities
- b. General Notes/Pay Item Notes
- c. Plan Sheets

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

**Task 6:        UTILITY COORDINATION**

Utility Coordination - 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.

COUNTY shall provide the utility agencies and companies Project plans 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'S utility coordination responsibilities shall continue throughout the design process to assist with resolving utilities conflicts.

Utility Adjustment Plans - CONSULTANT shall prepare utility adjustment sheets as part of the plan set to show existing public and private utilities to remain, detailed design of utilities to be relocated and utilities to be removed. Utility adjustment plans shall be prepared on screened reproducible copies of the sidewalk plan and cross sections sheets and shall be made part of the sidewalk plans. The 60% design review submittal shall include all existing utilities drawn on the sidewalk plans, cross section and drainage structure sheets and signalization 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 adjustment 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 90% 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

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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 a recommended course of action to accomplish each item to each utility located on the project.

Utility Coordination Meeting (60% Plans) - The COUNTY 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 weeks, on an average, shall be allowed the Utility to respond with their color-coded plans submittal.

Final Agreements to Utilities (100% 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 and Profile Sheets) shall be furnished to each involved utility agency. The partial plan set shall be color coded by the utility company showing proposed relocation and returned to be transmitted per the COUNTY'S Engineer or designee.

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 relocations/adjustments are required.

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**Task 7:       SIDEWALK PLANS PREPARATION**

**Sidewalk Plans:**

The CONSULTANT shall prepare all required sidewalk construction plans within the project limits. These plans shall be in accordance with the Plans Preparation Manual and COUNTY CADD Civil 3D standards that include the following (Scale: 1"=40' (H) & 1" = 4'):

- a. Key Sheet (1 Sheet)
- b. Summary of Quantities (3 sheets)
- c. Typical Sections (2 Sheets)
- d. General Notes (2 Sheets)
- e. Survey Reference Points (2 Sheets)
- f. Sidewalk Plan/ Profile (20 Sheets)
- g. Intersection Detail Sheets: for ramp and drainage grading  
8 intersections x 2 per sheet (4 Sheets)
- h. Sidewalk Cross Sections & Driveways (44 sheets)
- i. Drainage Structures (2 Sheets)
- j. Misc. Details (1 Sheet)
- k. Stormwater Pollution Prevention Plan (2 Sheets)
- l. Erosion Control Plans, doubled stacked (12 Sheets)
- m. Utility Adjustment Sheets (5 Sheets)
- n. Maintenance of Traffic Plans (2 Sheet)

**Task 8:       SUE AND SURVEY**

**Topographic Survey Services**

- Topographic Survey limits (See Exhibit A).
  - West side of County Road 1, from State Road 580 to the north Winn Dixie entrance, from first lane line of County Road 1 to five feet behind back of walk.
  - All Winn Dixie entrances, from County Road 1 to even with face of main building.
  - West side of County Road 1, from the north Winn Dixie entrance to the north drive of post office, from face of curb to toe of slope.
  - All driveways from face of curb to back of walk from twenty feet north and south of each driveway apron plus twenty feet beyond back of walk of the private driveway, on County Road 1 from State 580 to State Road 586.



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- All intersections from 20' south of south return to 20' north of north return, from face of curb to back of walk and an additional 20' beyond the walk in the side road
- At Brae-moor lane intersection: four corners of intersection only, including walls and utilities.
- From Quail Drive to Curlew, on Westside: include the concrete wall, fences.
- From Shirley Court to Curlew, include east side of County Road 1.
- Determine invert size and direction of storm drains at Coachlight Way (Leisure Lane), Solon Ave, Brady Drive, Hickory Gate Drive, and Salem court.
- Locate damaged areas of walks along the entire project as marked by client.
- Survey for 11 bus stops within the corridor.
- Topographic features to include, but not limited to, drainage features, concrete walls, sidewalks, asphalt/concrete surfaces, and utility features.
- Sufficient monumentation and evidence will be recovered and located to determine the approximate Right-of-Way limits.
- Utilities should be designate only (Quality Level B) within the project survey limits. Specific Vvh locations (Quality Level A) will be determined at the 60% design or the drainage design is developed.
- Ground / surface elevations to be sufficient in number and spacing to ensure accurate one (1) foot ground contours for future design/engineering purposes.
- Specified drainage structures (including location, pipe and structure sizes, tops, grates, throats, weirs, and invert elevations)

**Subsurface Utility Engineering Survey Services**

- Provide traffic control within the work areas while designating and locating the subsurface utilities. Traffic control is to be maintained in accordance with applicable standards. Provide safety devices, signs and/or other safety equipment as appropriate.
- Utilizing conventional electronic designating equipment and including Ground Penetrating Radar (GPR), designate and mark the horizontal location of found underground utilities from EOP to ROW within 12.5' on either side of 5 areas to be determined by Client.

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- Provide a test hole (VVH-Verified Vertical and Horizontal) on each utility found within the areas described above. Test holes are for ID purposes only and the number of holes will be limited.
- GFY to survey collect found utility information, and provide a 2-dimensional electronic file, in plan view only, depicting the found utility information, together with 3 copies of a Surveyor's Report containing test hole information.

**Exclusions**

- Any work associated with construction stakeout.
- Filing fees, permit fees, prints, or any other out of pocket expenses other than those specifically included.
- Any work associated with biological, ecological or environmental studies, traffic studies or geotechnical services.
- Any work associated with securing permits other than those specifically included.
- Any work associated with the repair of any damage of piping found designating process.

**Deliverables**

- The Autodesk Civil 3d electronic deliverables will be in accordance with the Pinellas County CADD Kit for AutoDesk Civil 3D Beta v2.00 CAD standards, and will comply with the Pinellas County CADD Standards Manual for Civil Engineering and Land Surveying.
- Three (3) signed and sealed topographic surveys of the limits described above.
- Signed and sealed surveyors report.

**TASK 9:      OPTIONAL SERVICES**

The following tasks are optional services to be provided by the CONSULTANT upon approval by the COUNTY Project Manager. These tasks will be evaluated during the initial stages of the design phase to determine if it will be implemented.

**Task 9a. LAP Coordination:**

The following optional services tasks shall be performed by the CONSULTANT for LAP Coordination:

1. Review of documents prepared by the COUNTY such as,
  - a. Programmatic Categorical Exclusion
  - b. Certifications/Clear Letters

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- c. Construction Checklist
- 2. Review bid tabulation and letter requesting concurrence in award
- 3. Attend Pre-bid Conference

**Task 9b. Public Involvement Support:**

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

Public Meeting Attendance/Follow-up: Task includes set-up, attendance at the public meeting and preparation of a meeting summary. The summary scrapbook includes a copy of all slides, boards, handouts, completed sign-in sheets and completed comment forms. Includes two participants.

**Task 9c. Additional Signage and Warning Lights at Falcon/Amberlea Drive:**

Add to existing school crossing for Dunedin High School to increase awareness of students walking to school at 7 am and crossing at this location in the dark. SUE, geotechnical, structural and additional survey will be needed for two mast arm signs (one for each traffic direction).

Utilizing conventional electronic designating equipment and including Ground Penetrating Radar, designate and mark the horizontal location of found underground utilities within a 10' diameter at each of the 2 mast arm locations at the subject intersection. Provide up to 10 test holes (VVH – verified vertical and horizontal) on found utilities within the 2 designated areas. Survey collect the found information and provide a 2-dimensional electronic file, in plan view only, depicting the found information.

**Task 9d. Improve Sight Distance for 8 Side Streets:**

Walls and fences along the right of way line are the primary source causing the sight distance issues. ICON's recommendation would be to move the sidewalk and ramp closer to the back of curb and move the stop signs and stop bars to the standard distance of 6 feet behind the crosswalk. The streets affected are Burnham Lane, Brae Moor Lane, Pleasant Grove Drive, Brady Lane, Hickory Gate Drive, Hickory Gate Drive North, Sparkling Court and Quail Drive.

**Task 9e. Side Street Slope Correction through the Crosswalk that Exceed 2%:**

Eight side streets: Coachlight Way (3%), Brae Moor Lane (3.2%), La Grande Drive (3%), Hickory Gate Drive South (6%), Hickory Gate Drive North (3%), Sparkling Court (3.5%), Quail Drive, (4%) and Shirley Court (3%). Additional SUE and survey will be needed at these locations.

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Utilizing conventional electronic designating equipment and including Ground Penetrating Radar, designate and mark the horizontal location of found underground utilities at inlets on above side streets and at corners on same where slope changes may be necessary. Provide a test hole (VVH – verified vertical and horizontal) on each found utility within each of the designated areas. Survey will collect the found information and provide a 2-dimensional electronic file, in plan view only, depicting the found information.

**V. COMPENSATION:**

ICON Consultant Group, Inc. shall provide the above outlined Basic Services for the following fixed fee or estimate amounts.

<b>Task 1</b>	<b>General Task</b>	<b>\$6,110</b>	<b>Lump Sum</b>
<b>Task 2</b>	<b>Sidewalk Analysis</b>	<b>\$43,030</b>	<b>Lump Sum</b>
<b>Task 3</b>	<b>Drainage Analysis</b>	<b>\$12,745</b>	<b>Lump sum</b>
<b>Task 4</b>	<b>Environmental Permitting</b>	<b>\$2,300</b>	<b>Lump Sum</b>
<b>Task 5 a</b>	<b>SP&amp;M</b>	<b>\$13,635</b>	<b>Lump Sum</b>
<b>Task 5 b</b>	<b>Signalization</b>	<b>\$10,625</b>	<b>Lump Sum</b>
<b>Task 6</b>	<b>Utility Coordination</b>	<b>\$4,355</b>	<b>Lump Sum</b>
<b>Task 7</b>	<b>Sidewalk Plans</b>	<b>\$27,250</b>	<b>Lump Sum</b>
<b>Task 8</b>	<b>Survey</b>	<b>\$45,209.40</b>	<b>Lump Sum</b>
<b><u>Total Contract</u></b>		<b><u>\$165,259.40</u></b>	<b><u>Lump Sum</u></b>
<b>Task 9a</b>	<b>OS LAP Coordination</b>	<b>\$5,030</b>	<b>*Lump Sum</b>
<b>Task 9b</b>	<b>OS Public Involvement</b>	<b>\$1,915</b>	<b>*Lump Sum</b>
<b>Task 9c</b>	<b>OS Add Signage &amp; Warning Lights</b>	<b>\$21,331.97</b>	<b>*Lump Sum</b>
<b>Task 9d</b>	<b>OS Sight Distance</b>	<b>\$10,164.15</b>	<b>*Lump Sum</b>
<b>Task 9e</b>	<b>OS Side Street Slope Correction</b>	<b>\$37,693.04</b>	<b>*Lump Sum</b>
<b><u>Total Optional Services</u></b>		<b><u>\$76,134.16</u></b>	<b><u>*Lump Sum</u></b>
<b>Total Contract + Optional Services</b>		<b>\$241,393.56</b>	<b>Lump Sum</b>

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

**VI. SCHEDULE:**

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

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

**PROJECT SCHEDULE**

<u>Milestone</u>	<u>Due Date After receive the NTP &amp; Survey</u>
60% Complete Plans Submittal 21 day review	150 Calendar Days
100% Complete Plans Submittal 21 day review	225 Calendar Days
Final Plans Submittal	300 Calendar Days

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

Sidewalk Plans design reviews shall occur at the conceptual (line and grade) 60% Phase, 100% phases and final complete 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. The requirements for each design review shall be as specified in the COUNTY'S, "Checklists for Design Review Submittals". CONSULTANT shall continue its design work during the review periods. CONSULTANT shall respond to the COUNTY'S 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 or similar impact to the project design. In such cases, COUNTY shall evaluate the CONSULTANT'S request for additional time and/or compensation. COUNY may require CONSULTANT to make plans revisions and

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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'S schedule if a resubmittal is required.

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**Exhibit A – Page 1**





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**Exhibit A – Page 4**



## EXHIBIT C

**Project Staff Hour Summary**

Project Name: CR 1 (Keele Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)

FPID #: 424564-3-52-01

Estimator: Andy Padgett

Name of Consultant: ICON Consultant Group, Inc

Activity	Project Staff Hours													
	ICON	Ayers	GFY	Tierra	Sub 4	Sub 5	Sub 6	Sub 7	Sub 8	Sub 9	Sub 10	Sub 11	Sub 12	Total Hours
1. General Tasks	44													44
2. Sidewalk Analysis	385													385
3. Drainage Analysis	111													111
4. Environmental Permitting	20													20
5a. Signing and Pavement Marking	127													127
5b. Signalization	97													97
6. Utility Coordination	34													34
7. Sidewalk Plans	261													261
8. SUE and Survey			129											129
OPTIONAL SERVICES														
9a. OS LAP Coordination	48													48
9b. OS Public Involvement Support	20													20
9c. OS Additional Signage and Warning Lights at Falcon/Amerlea Drive														
9c. Falcon Drive Signalization	80													80
9c. Falcon Drive Structures		25												25
9c. Falcon Drive SUE & Survey			9											9
9c. Falcon Drive Geotechnical				21										21
9d. OS Improve Sight Distance for 8 Side Streets														
9d. Sight Distance - Analysis & Plans	43													43
9d. Sight Distance - Survey			15											15
9e. OS Side Street Slope Correction														
9e. Side Street Slope Correction - Analysis & Plans	83													83
9e. Side Street Slope Correction - SUE & Survey			44											44
														0
														0
	1,353	25	197	21	0	0	0	0	0	0	0	0	0	1596

1,596

## EXHIBIT C

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

Financial Project Number: 424564-3-52-01

Project Name: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)

Estimator: Andy Padgett

Date: 8/22/2013

Name of Consultant: ICON Consultant Group, Inc

WORK ACTIVITY	Hours from "Summary" sheet	EMPLOYEE CLASSIFICATION													TOTAL STAFF HOURS		ON CADD
		Project Manager	Chief Engineer	Senior Engineer	Project Engineer	Staff Engineer	Junior Engineer	Senior Designer	Staff Designer	Technician	Clerical	Computer Technician	Senior Engineering Technician	RANGE			
		Grand Total Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	PERCENT			
1. General Tasks	44	26	2	2	2	2	0	10	0	0	0	0	0	44	48		
2. Sidewalk Analysis	385	39	19	58	96	77	96	0	0	0	0	0	0	385	424		
3. Drainage Analysis	111	0	0	55	0	56	0	0	0	0	0	0	0	111	122		
4. Environmental Permitting	20	0	0	10	0	10	0	0	0	0	0	0	0	20	22		
5a. Signing and Pavement Marking	127	6	6	13	42	32	25	0	0	0	0	0	0	124	136		
5b. Signalization	97	5	5	10	34	24	20	0	0	0	0	0	0	98	108		
6. Utility Coordination	34	2	0	18	2	3	0	10	0	0	0	0	0	35	39		
7. Sidewalk Plans	261	13	0	51	39	52	105	0	0	0	0	0	0	260	266		
OPTIONAL SERVICES																	
9a. OS LAP Coordination	48	2	0	10	7	10	19	0	0	0	0	0	0	48	53		
9b. OS Public Involvement Support	20	1	0	3	3	4	8	0	0	0	0	0	0	19	21		
9c. OS Additional Signage and Warning Lights at Falcon/Amerlesea Drive																	
9c. Falcon Drive Signalization	80	4	4	8	28	20	16	0	0	0	0	0	0	80	88		
9d. OS Improve Sight Distance for 8 Side Streets																	
9d. Sight Distance - Analysis & Plans	43	2	2	4	14	11	9	0	0	0	0	0	0	42	46		
9e. OS Side Street Slope Correction																	
9e. Side Street Slope Correction - Analysis & Plans	83	4	4	8	29	21	17	0	0	0	0	0	0	83	91		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOTALS	1353	104	42	250	296	322	315	20	0	0	0	0	0	1,349	1,484		
													(Prime Consultant)	1,349	1,484		

EXHIBIT C

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

Financial Project Number: 424584-3-52-01

Project Name: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlaw Road Sidewalk Improvements (LAP)

FAP Number:

Date: 8/22/2013

Name of Consultant: ICON Consultant Group, Inc

Staff Hour Distribution Percentages - Grand Total														
	Hours from "Summary" sheet Grand Total	Project Manager	Chief Engineer	Senior Engineer	Project Engineer	Staff Engineer	Junior Engineer	Senior Designer	Staff Designer	Clerical	#REF!	Computer Technician	Senior Engineering Technician	Total
1. General Tasks	44	60.0%	5.0%	5.0%	5.0%	5.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
2. Sidewalk Analysis	385	10.0%	5.0%	15.0%	25.0%	20.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
3. Drainage Analysis	111	0.0%	0.0%	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
4. Environmental Permitting	20	0.0%	0.0%	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
5a. Signing and Pavement Marking	127	5.0%	5.0%	10.0%	35.0%	25.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
5b. Signalization	97	5.0%	5.0%	10.0%	35.0%	25.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
6. Utility Coordination	34	5.0%	0.0%	55.0%	5.0%	5.0%	0.0%	30.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
7. Sidewalk Plans	261	5.0%	0.0%	20.0%	15.0%	20.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
8. SUE and Survey	129	7.0%	0.0%	24.0%	69.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
OPTIONAL SERVICES														
9a. OS LAP Coordination	20	5.0%	0.0%	20.0%	15.0%	20.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
9b. OS Public Involvement Support	48	5.0%	0.0%	20.0%	15.0%	20.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
9c. OS Additional Signage and Warning Lights at Falcon/Ambertea Drive														
9c. Falcon Drive Signalization	80	5.0%	5.0%	10.0%	35.0%	25.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
9d. OS Improve Sight Distance for 8 Side Streets														
9d. Sight Distance - Analysis & Plans	43	5.0%	5.0%	10.0%	35.0%	25.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
9e. OS Side Street Slope Correction														
9e. Side Street Slope Correction - Analysis & Plans	83	5.0%	5.0%	10.0%	35.0%	25.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
#REF!														
#REF!	#REF!	5.0%	5.0%	10.0%	35.0%	25.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%

## EXHIBIT C

## ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curllew Road Sidewalk Improvements (LAP)

Consultant Name: ICON Consultant Group, Inc

FPN: 424564-3-52-01

Date: 8/22/2013  
Estimator: Andy Padgett

Staff Classification	Hours From Summary - Firm	Project Manager	Chief Engineer	Senior Engineer	Project Engineer	Staff Engineer	Junior Engineer	Senior Designer	Staff Designer	Technician	Clerical	Staff Classification	Staff Classification	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$155.00	\$145.00	\$135.00	\$115.00	\$95.00	\$85.00	\$110.00	\$75.00	\$55.00	\$45.00	\$0.00	\$0.00			
1. General Tasks	44	26	2	2	2	2	0	10	0	0	0	0	0	44	\$6,110	\$138.66
2. Sidewalk Analysis	385	39	19	58	95	77	86	0	0	0	0	0	0	384	\$43,030	\$112.06
3. Drainage Analysis	111	0	0	55	0	56	0	0	0	0	0	0	0	111	\$12,745	\$114.82
4. Environmental Permitting	20	0	0	10	0	10	0	0	0	0	0	0	0	20	\$2,300	\$115.00
5a. Signing and Pavement Marking	127	6	6	13	42	32	26	0	0	0	0	0	0	125	\$13,635	\$109.08
5b. Signalization	97	5	5	10	33	24	20	0	0	0	0	0	0	97	\$10,625	\$108.54
6. Utility Coordination	34	2	0	18	2	3	0	10	0	0	0	0	0	35	\$4,355	\$124.43
7. Sidewalk Plans	261	13	0	51	39	52	105	0	0	0	0	0	0	260	\$27,250	\$104.81
<b>Total Staff Hours</b>	<b>1,079</b>	<b>81</b>	<b>32</b>	<b>217</b>	<b>213</b>	<b>256</b>	<b>247</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,076</b>		
<b>Total Staff Cost</b>		<b>\$14,105.00</b>	<b>\$4,640.00</b>	<b>\$29,295.00</b>	<b>\$24,495.00</b>	<b>\$24,320.00</b>	<b>\$20,995.00</b>	<b>\$2,200.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$120,050.00</b>	<b>\$111.57</b>

Check = \$120,050.00

Survey Field Days by Subconsultant  
4 Person Crew:

SALARY RELATED COSTS: \$120,050.00

8. SUE and Survey \$45,209.40

## 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.

SUBTOTAL ESTIMATED FEE: \$185,259.40

Optional Services 9a: LAP Coordination \$5,030.00

Optional Services 9b: Public Involvement Support \$1,915.00

Optional Services 9c: Additional Signage and Warning Lights at Falcon/Amblerlee Drive

Optional Services 9c: Signalization (ICON) \$8,760.00

Optional Services 9c: Structures (Ayers) \$2,763.82

Optional Services 9c: Survey (GFY) \$5,649.05

Optional Services 9c: Geotechnical (Tierra) \$4,159.00

Optional Services 9d: Improve Sight Distance for 8 Side Streets

Optional Services 9d: Analysis &amp; Plans (ICON) \$4,580.00

Optional Services 9d: Survey (GFY) \$5,584.15

Optional Services 9e: Side Street Slope Correction

Optional Services 9e: Analysis &amp; Plans (ICON) \$9,095.00

Optional Services 9e: Survey (GFY) \$28,598.04

OPTIONAL SERVICES TOTAL ESTIMATED FEE: \$76,134.16

GRAND TOTAL ESTIMATED FEE: \$241,393.56



## EXHIBIT C

## ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: #REF!

Consultant Name: GFY

FPN: 424564-3-52-01  
FAP No.:Date: 8/21/2013  
Estimator: Mike Curley

Staff Classification	Total Staff Hours From "SH Summary Form"	SUE Project Manager	Surveyor III	Surveyor II	Technician III	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
8. SUE and Survey	129	9	0	31	89	0	0	0	0	0	0	0	0	129	\$11,674	\$90.35
<b>Total Staff Hours</b>	129	9	0	31	89	0	0	0	0	0	0	0	0	129	\$11,674.40	\$90.35
<b>Total Staff Cost</b>		\$1,130.61	\$0.00	\$3,411.23	\$7,132.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$11,674.40	\$90.35

Check = \$11,674.40

## Notes:

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

## SALARY RELATED COSTS:

OVERHEAD:	0%	\$11,674.40
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>\$11,674.40</b>
Location Vac Truck and Crew	3	\$ 1,850.00
Designation	1	2-man crew day \$ 1,385.00
Survey (Field)	25	3-man crew day \$ 1,064.00 / day
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$45,209.40</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$45,209.40</b>

## Staff Hour Distribution Percentages - Grand Total

Hours from "Summary" sheet	SUE Project Manager	Surveyor III	Surveyor II	Technician III	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	Total
8. SUE and Survey	129	7.0%	0.0%	24.0%	69.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%

## EXHIBIT C

## ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)

Consultant Name: ICON Consultant Group, Inc

Consultant No.:

Date: 8/21/2013

Estimator: Andy Padgett

FPN: 424564-3-52-01

Staff Classification	Hours From "SH Summary - Firm"	Project Manager	Chief Engineer	Senior Engineer	Project Engineer	Staff Engineer	Junior Engineer	Senior Designer	Staff Designer	Technician	Clerical	Staff Classification	Staff Classification	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$155.00	\$145.00	\$135.00	\$115.00	\$95.00	\$85.00	\$110.00	\$75.00	\$55.00	\$45.00	\$0.00	\$0.00			
OPTIONAL SERVICES																
9a. OS LAP Coordination	48	2	0	10	7	10	19	0	0	0	0	0	0	48	\$5,030	\$104.79
9b. OS Public Involvement Support	20	1	0	2	3	4	9	0	0	0	0	0	0	19	\$1,915	\$100.79
9c. Falcon Drive Signalization	80	4	4	8	28	20	16	0	0	0	0	0	0	80	\$8,760	\$109.50
9d. OS Improve Sight Distance for 8 Side Streets	43	2	2	5	13	11	9	0	0	0	0	0	0	42	\$4,580	\$109.05
9e. OS Side Street Slope Correction	83	5	4	8	28	21	17	0	0	0	0	0	0	83	\$9,095	\$109.58
Total Staff Hours	274	14	10	33	79	66	70	0	0	0	0	0	0	272		
Total Staff Cost		\$2,170.00	\$1,450.00	\$4,455.00	\$9,085.00	\$6,270.00	\$5,950.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$29,380.00	\$108.01

Check = \$29,380.00

SALARY RELATED COSTS:

\$29,380.00

SUBTOTAL ESTIMATED FEE:

\$29,380.00

## EXHIBIT C

## ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)

Consultant Name: AYERS

FPN: 424584-3-52-01

Date: 8/21/2013

FAP No.: N/A

Estimator: Steve Loney

Staff Classification	Hours From "SH Summary - Firm"	Project Manager	Sr. Struc. Engineer	Structural Engineer	CADD Operator	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	SH By	Salary Cost By	Average Rate Per
															Activity	Activity	Task
		\$169.88	\$145.12	\$118.35	\$74.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
9c.Structures-Misc.Tasks, Dwgs, Non-technical	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	\$145	\$145.12
9c. Structures-Miscellaneous	24	0	0	19	5	0	0	0	0	0	0	0	0	0	24	\$2,819	\$109.12
<b>Total Staff Hours</b>	<b>25</b>	<b>0</b>	<b>1</b>	<b>19</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>		
<b>Total Staff Cost</b>		<b>\$0.00</b>	<b>\$145.12</b>	<b>\$2,248.65</b>	<b>\$370.15</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$2,763.92</b>	<b>\$110.56</b>

GRAND TOTAL ESTIMATED FEE: \$2,763.92 \$0.00

## Staff Hour Distribution Percentages - Grand Total

	Hours from "Summary" sheet	Project Manager	Sr. Struc. Engineer	Structural Engineer	CADD Operator	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Staff Classification	Total
9c.Structures-Misc.Tasks, Dwgs, Non-technical	1	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%
9c. Structures-Miscellaneous	24	0.0%	0.0%	80.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%

EXHIBIT C

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)

Consultant Name: Tierra

FPN: 424564-3-52-01  
FAP No.: N/A

Date: 8/21/2013  
Estimator: Henri Jean

Staff Classification	Hours From "SH Summary"	Project Manager	SN Proj Engineer	Senior Specialist	Project Engineer	EIT	Computer Technician	Sr Eng Technician	Engineering Technician	Clerical	Senior Scientist	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
9c. Falcon Drive Geotechnical	21	0	2	0	0	12	2	4	0	1	0	0	0	21	\$1,818	\$86.57
<b>Total Staff Hours</b>	21	0	2	0	0	12	2	4	0	1	0	0	0	21		
<b>Total Staff Cost</b>		\$0.00	\$258.00	\$0.00	\$0.00	\$1,080.00	\$160.00	\$268.00	\$0.00	\$52.00	\$0.00	\$0.00	\$0.00		<b>\$1,818.00</b>	<b>\$86.57</b>

Check = \$1,818.00

Form Revised 03/2005

Notes:

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

SALARY RELATED COSTS:		\$1,818.00
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>\$1,818.00</b>
 GEOTECHNICAL FIELD & LABORATORY ESTIMATE		 \$2,341.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$4,159.00</b>

Staff Hour Distribution Percentages - Grand Total

	Hours from "Summary" sheet	Project Manager	SN Proj Engineer	Senior Specialist	Project Engineer	EIT	Computer Technician	Sr Eng Technician	Engineering Technician	Clerical	Senior Scientist	Staff Classification 11	Staff Classification 12	Total	
9c. Falcon Drive Geotechnical	21	0.0%	10.0%	0.0%	0.0%	55.0%	10.0%	20.0%	0.0%	5.0%	0.0%	0.0%	0.0%	100.00%	\$0.00

# EXHIBIT C

## ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: CR 1 (KEENE ROAD) FROM SR 580 (MAIN ST.) TO SR 586 (CURLEW ROAD)

Consultant Name: GFY

FPN: 424564-3-52-01

Date: 8/21/2013

FAP No.:

Estimator: Jeff Moss

Staff Classification	Total Staff Hours From "SH Summary Form"	Project Manager	Surveyor III	Surveyor II	Technician III	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
9c. Falcon Drive SUE & Survey	9	2	0	2	5	0	0	0	0	0	0	0	0	9	\$928	\$98.75
<b>Total Staff Hours</b>	9	2	0	2	5	0	0	0	0	0	0	0	0	9		
<b>Total Staff Cost</b>		\$250.00	\$0.00	\$250.00	\$375.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$928.25	\$98.75

Check = \$928.25

### Notes:

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

SALARY RELATED COSTS:			\$928.25
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>\$928.25</b>
Location Vac Truck and Crew	1.7	\$ 1,850.00	\$3,145.00
Designation	0.6	2-man crew day \$ 1,385.00	\$831.00
Survey (Field)	0.7	3-man crew day \$ 1,064.00 / day	\$744.80
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$5,649.05</b>
Optional Services			\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>			<b>\$5,649.05</b>

### Staff Hour Distribution Percentages - Grand Total

	Hours from "Summary" sheet	Grand Total	9	2	0	2	5	0	0	0	0	0	0	0	0	Total
9c. Falcon Drive SUE & Survey	9	25.0%	0.0%	05.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.00%	

EXHIBIT C

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: CR 1 (KEENE ROAD) FROM SR 580 (MAIN ST.) TO SR 586 (CURLEW ROAD)

Consultant Name: GFY

FPN: 424564-3-52-01

Date: 8/21/2013

FAP No.: Estimator: Mike Curley

Staff Classification	Total Staff Hours From "SH Summary Form"	Project Manager	Surveyor III	Surveyor II	Technician III	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
9c. Falcon Drive SUE & Survey	15	1	0	4	10	0	0	0	0	0	0	0	0	15	\$1,328	\$90.35
<b>Total Staff Hours</b>	15	1	0	4	10	0	0	0	0	0	0	0	0	15		
<b>Total Staff Cost</b>		\$125.00	\$0.00	\$388.00	\$811.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$1,328.15	\$90.35

Check = \$1,328.15

Notes:

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

SALARY RELATED COSTS:			\$1,328.15
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>\$1,328.15</b>
Location Vac Truck and Crew	0	\$ 1,850.00	\$0.00
Designation	0	2-man crew dr \$ 1,385.00	\$0.00
Survey (Field)	4	3-man crew dr \$ 1,064.00 / day	\$4,256.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$5,584.15</b>
Optional Services			\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>			<b>\$5,584.15</b>

Staff Hour Distribution Percentages - Grand Total

Hours from "Summary" sheet	SUE Project Manager	Surveyor III	Surveyor II	Technician III	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Estimator:	Total
9c. Falcon Drive SUE & Survey	15	7.0%	0.0%	24.0%	69.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

## EXHIBIT C

### ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

**Name of Project:** CR 1 (KEENE ROAD) FROM SR 580 (MAIN ST.) TO SR 586 (CURLEW ROAD)

**Consultant Name:** GFY

FPN: 424564-3-52-01

**Date: 8/21/2013**

FAP No.: \_\_\_\_\_ Estimator: Jeff Moss

Staff Classification	Total Staff Hours From "SH Summary Flm"	Project	Surveyor III	Surveyor II	Technician III	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
9e. Side Street Slope Correction - SUE & Survey	44	15	0	7	22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	44	4410	100
<b>Total Staff Hours</b>	44	15	0	7	22	0	0	0	0	0	0	0	0	44		
<b>Total Staff Cost</b>		\$1,924.78	\$0.00	\$725.92	\$1,759.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$4,410.50	\$100.25

Check = \$4,410.50

SALARY RELATED COSTS:		\$4,410.50
OVERHEAD:	0%	\$0.00
OPERATING MARGIN:	0%	\$0.00
FCM (Facilities Capital Cost Money):	0.00%	\$0.00
EXPENSES:	0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$4,410.50</b>
Location Vac Truck and Crew	6.29	\$ 1,850.00
Designation	3.6	2-man crew da: \$ 1,385.00
Survey (Field)	7.11	3-man crew da: \$ 1,064.00 / day
<b>SUBTOTAL ESTIMATED FEE:</b>		<b>\$28,598.04</b>
Optional Services		\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>		<b>\$28,598.04</b>

**Notes:**

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

### Staff Hour Distribution Percentages - Grand Total

[illegible]



## EXHIBIT C

**Task 1: General Tasks****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Andy Padgett**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
1-1	Public Involvement					
1-2	Community Awareness Plan	LS	1	0	0	
1-3	Notifications	LS	1	0	0	
1-4	Prepare Mailing Lists	LS	1	0	0	
1-5	Median Modification Letters	LS	1	0	0	
1-6	Driveway Modification Letters	LS	1	0	0	
1-7	Newsletters	LS	1	0	0	
1-8	Renderings and Fly Throughs	LS	1	0	0	
1-9	PowerPoint Presentation	LS	1	0	0	
1-10	Public Meeting Preparations	LS	1	0	0	
1-11	Public Meeting Attendance/Followup	LS	1	0	0	
1-12	MPO Meetings	LS	1	0	0	
1-13	Web Site	LS	1	0	0	
3.1 Public Involvement Subtotal					0	
1-14	Joint Project Agreements	EA	0	0	0	
1-15	Specifications Package Preparation	LS	1	12	12	only spec package support
1-16	Contract Maintenance	LS	1	0	0	Includes project management efforts for complete setup and maintenance of files, developing monthly progress reports, schedule updates, work effort to develop and execute sub-consultant agreements etc.
1-17	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
1-18	Prime Consultant Project Manager Meetings	LS	1	24	24	See listing below
1-19	Plans Update	LS	1	0	0	

## EXHIBIT C

**Task 1: General Tasks**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
1-20	Post Design Services	LS	1	0	0	
1-21	Electronic Delivery	LS	1	8	8	assemble PDFs of design doc, cost estimate & const plans. Include AutoCADD files
1-22	Other Project General Tasks	LS	1	0	0	
<b>3. Project Common and Project General Tasks Total</b>					<b>44</b>	

**1-18 - List of Project Manager Meetings**

Progress Meetings	EA	8	2	16	2 progress meetings per month for 8 months w/ submitting minutes of meeting
Phase Reviews	EA	1	0	0	
Field Reviews	EA	2	4	8	
<b>Total Project Manager Meetings</b>		<b>11</b>		<b>24</b>	

**Task 2: Sidewalk Analysis****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Andy Padgett**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
2-1	Typical Section Development	LS	2	4	8	
2-2	Pavement Design Package	LS	1	0	0	
2-3	Access Management	LS	1	0	0	
2-4	Horizontal/Vertical Master Design Files	LS	1	100	100	
2-5	Cross Section Design Files	LS	1	100	100	
2-6	Traffic Control Analysis	LS	1	16	16	level 1
2-7	Master TCP Design Files	LS	1	0	0	
2-8	Design Variations and Exceptions	LS	1	8	8	
2-9	Design Report	LS	1	24	24	
2-10	Quantities	LS	1	40	40	No comp to be done
2-11	Cost Estimate	LS	1	18	18	for 60%, 100% and final submittals plus bus stops
2-12	Technical Special Provisions	LS	1	0	0	
2-13	Other Roadway Analysis	LS	11	2	22	11 bus stops
<b>Sidewalk Analysis Technical Subtotal</b>					<b>336</b>	
2-14	Field Reviews	LS	1	4	4	field review for bus stops
2-15	Technical Meetings	LS	1	28	28	Meetings are listed below
2-16	Quality Assurance/Quality Control	LS	%	0%	0	
2-17	Independent Peer Review	LS	%	0%	0	
2-18	Supervision	LS	%	5%	17	
<b>Sidewalk Analysis Nontechnical Subtotal</b>					<b>49</b>	
2-19	Coordination	LS	%	0%	0	
<b>Sidewalk Analysis Total</b>					<b>385</b>	

**Task 2: Sidewalk Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
<b>Technical Meetings</b>						
	Typical Section	EA	0	0	0	
	Pavement	EA	0	0	0	
	Access Management	EA	0	0	0	
	15% Line and Grade	EA	1	4	4	
	Driveways	EA	2	4	8	
	Local Governments (cities, counties, MPO)	EA	2	4	8	meeting/coordination with PSTA on bus stops
	Work Zone Traffic Control	EA	0	0	0	
	30/60/90/100% Comment Review Meetings	EA	2	4	8	
	Other Meetings	EA	0	0	0	
	<b>Subtotal Technical Meetings</b>				<b>28</b>	
	Progress Meetings (if required by FDOT)	EA	0	0	0	
	Phase Review Meetings	EA	3	4	0	
	<b>Total Meetings</b>				<b>28</b>	
Carries to 2-15						

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

**Task 3: Drainage Analysis****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Andy Padgett**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No of Units	Hours / Unit	Total Hours	Comments
	<b>Drainage Analysis</b>					
3-1	Data Collection	LS	1	8	8	
3-2	Pond Siting Analysis and Report	Per Basin	1	0	0	N/A
3-3	Design of Cross Drains	EA	1	0	0	N/A.
3-4	Design of Roadway Ditches/Off-site Bypass Systems	LS	1	0	0	
3-5	Design of Outfalls	EA	1	0	0	
3-6	Design of Stormwater Management Facility (Offsite Pond)	EA	1	0	0	N/A
3-7	Design of Stormwater Management Facility (Roadside Ditch as Linear Pond)	Per System	1	0	0	N/A
3-8	Design of Flood Plain Compensation Area	Per Encroachment	1		0	N/A
3-9	Design of Storm Drains	EA	4	3	12	
3-10	Optional Culvert Material	LS	1	0	0	N/A
3-11	French Drain Systems	Per 1000 Feet of French Drain	1	0	0	N/A
3-12	Drainage Wells	EA	1	0	0	N/A
3-13	Drainage Design Documentation Report	LS	1	16	16	
3-14	Preparation of Bridge Hydraulic Report	EA	1	0	0	N/A
3-15	Temporary Drainage Analysis	LS	1	0	0	NIC.
3-16	Cost Estimate	LS	1	0	0	
3-17	Technical Special Provisions	LS	1	0	0	
3-18	Other Drainage Analysis	LS	1	0	0	

## EXHIBIT C

**Task 3: Drainage Analysis**

Task No.	Task	Units	No of Units	Hours / Unit	Total Hours	Comments
<b>Drainage Analysis Technical Subtotal</b>					<b>36</b>	
	<b>Drainage Plans</b>					
3-19	Drainage Map (not in plans)	Sheet	1	24	24	
3-20	Summary of Drainage Structures	Sheet	1	0	0	
3-21	Drainage Structure Sheet (per Structure)	EA	4	3	12	
3-22	Miscellaneous Drainage Detail Sheets	Sheet	1	0	0	
3-23	Erosion Control Plan	Sheet	12	2	24	
3-24	SWPPP	Sheet	2	2	4	
<b>Drainage Plans Technical Subtotal</b>					<b>64</b>	
3-25	Field Reviews	EA	1	8	8	
3-26	Technical Meetings	EA	1	0	0	
3-27	Quality Assurance/Quality Control	LS	%	0%	0	
3-28	Independent Peer Review	LS			0	
3-29	Supervision	LS	%	5%	3	
<b>Drainage Nontechnical Subtotal</b>					<b>11</b>	
<b>3. Drainage Total</b>					<b>111</b>	

Progress Meetings (if required by FDOT)	EA	0	0	0
Phase Review Meetings	EA	0	0	0

<b>Total Meetings</b>				<b>0</b>
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Carries to 6.20

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

## EXHIBIT C

**Task 4: Environmental Permits, Compliance and Clearances****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Andy Padgett**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
4-1	Preliminary Project Research	LS	1	0	0	N/A
4-2	Complete Permit Involvement Form	LS	1	0	0	N/A
4-3	Establish Wetland Jurisdictional Lines	LS	1	0	0	N/A
4-4	Agency Verification of Wetland Data	LS	1	0	0	N/A
4-5	Complete And Submit SWFWMD Permit Applications	LS	1	16	16	Prepare Exemption request package
4-6	Complete And Submit FDOT Permit Application	LS	1	0	0	N/A
4-7	Prepare Dredge and Fill Sketches	LS	1		0	N/A
4-8	Prepare USCG Permit Sketches	LS	1	0	0	N/A
4-9	Prepare Easement Sketches	LS	1	0	0	N/A
4-10	Prepare R/W Occupancy Sketches	LS	1	0	0	N/A
4-11	Prepare Coastal Construction Control Line (CCCL) Permit Sketches	LS	1	0	0	N/A
4-12	Prepare Tree Permit Information	LS	1	0	0	N/A
4-13	Mitigation Coordination and Meetings	LS			0	N/A
4-14	Mitigation Design	LS			0	N/A
4-15	Environmental Clearances	LS	1	0	0	CAT X (NEPA) to be prepared by the County
4-16	Other Environmental	LS	1	0	0	
<b>Environmental Permits Technical Subtotal</b>					<b>16</b>	
4-17	Technical Meetings	LS	1	3	3	
4-18	Quality Assurance/Quality Control	LS	%	0%	0	
4-19	Supervision	LS	%	5%	1	
<b>Environmental Permits Nontechnical SubTotal</b>					<b>4</b>	



## EXHIBIT C

**Task 4: Environmental Permits, Compliance and Clearances**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>4. Environmental Permits Total:</b>					<b>20</b>	

**Technical Meetings**

WMD	EA	1	3	3
ACOE	EA	0	0	0
USCG	EA	0	0	0
USFWS	EA	0	0	0
FFWCC	EA	0	0	0
FDOT	EA	0	0	0
Other meetings	EA	0	0	0
<b>Subtotal technical meetings</b>				<b>3</b>

Progress Meetings	EA	0	0	0
Phase Review Meetings	EA	0	0	0

<b>Total Meetings</b>				<b>3</b>
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**Task 5a.: Signing and Pavement Marking Analysis and Plans****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Michelle Schofner, PE, PTOE**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Signing and Pavement Marking Analysis Technical</b>						
5a.-1	Traffic Data Analysis	LS	1	0	0	N/A
5a.-2	No Passing Zone Study	LS	0	0	0	N/A
5a.-3	Reference and Master Design File	LS	1	48	48	8 hrs x (6 intersections)
5a.-4	Multi-Post Sign Support Calculations	EA	0	0	0	N/A
5a.-5	Sign Panel Design Analysis	EA	0	0	0	N/A
5a.-6	Sign Lighting/Electrical Calculations	EA	0	0	0	N/A
5a.-7	Quantities	LS	0	0	0	
5a.-8	Bid Documents	LS	1	0	0	
5a.-9	Cost Estimate	LS	1	0	0	
5a.-10	Technical Special Provisions	LS	0	0	0	N/A
5a.-11	Other Signing and Pavement Marking	LS	0	0	0	N/A
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>48</b>	
<b>Signing and Pavement Marking Plans Technical</b>						
5a.-12	Key Sheet	Sheet	1	0	0	
5a.-13	Tabulation of Quantities	Sheet	2	4	8	
5a.-14	General Notes/Pay Item Notes	Sheet	1	4	4	
5a.-15	Plan Sheet	Sheet	17	3	51	
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>63</b>	

**Task 5a.: Signing and Pavement Marking Analysis and Plans**

5a.-16	Field Reviews	LS	1	8	8	2 hrs x 2 person x 1 field review
5a.-17	Technical Meetings	LS	1	6	6	Meetings are listed below
5a.-18	Quality Assurance/Quality Control	LS	%	0%	0	
5a.-19	Independent Peer Review	LS	%	0%	0	
5a.-20	Supervision	LS	%	5%	2	
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>16</b>	
5a.-21	Coordination	LS	%	0%	0	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>127</b>	

**Technical Meetings**

Sign Panel Design	EA	0	0	0
Queue Length Analysis	EA	0	0	0
Local Governments (cities, counties)	EA	1	2	2
Other Meetings	EA	0	0	0
<b>Subtotal Technical Meetings</b>				<b>2</b>
Progress Meetings	EA	2	2	4
Phase Review Meetings	EA	0	0	0
<b>Total Meetings</b>				<b>6</b>

Carries to 19.13

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

## EXHIBIT C

**Task 5b.: Signalization Analysis and Plans****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Michelle Schofner, PE, PTOE**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Signalization Analysis Technical</b>						
5b.-1	Traffic Data Collection	LS	1	0	0	N/A
5b.-2	Traffic Data Analysis	PI	1	0	0	N/A
5b.-3	Signal Warrant Study	LS	1	0	0	N/A
5b.-4	System Timings	LS	0	0	0	N/A
5b.-5	Reference and Master Signalization Design File	PI	3	16	48	3 intersections
5b.-6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
5b.-7	Overhead Street Name Sign Design	EA	0	0	0	N/A
5b.-8	Pole Elevation Analysis	LS	1	0	0	N/A
5b.-9	Traffic Signal Operation Report	LS	1	0	0	N/A
5b.-10	Quantities	LS	1	0	0	
5b.-11	Cost Estimate	LS	1	0	0	
5b.-12	Technical Special Provisions	LS	1	0	0	N/A
5b.-13	Other Signalization Analysis	LS	1	0	0	N/A
<b>Signalization Analysis Technical Subtotal</b>					<b>48</b>	
<b>Signalization Plans</b>						
5b.-14	Key Sheet	Sheet	1	0	0	
5b.-15	Tabulation of Quantities	Sheet	1	8	8	
5b.-16	General Notes/Pay Item Notes	Sheet	1	8	8	
5b.-17	Plan Sheet	Sheet	5	3	15	

## EXHIBIT C

**Task 5b.: Signalization Analysis and Plans**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Signalization Plans Technical Subtotal</b>					<b>31</b>	
5b.-18	Field Reviews	LS	1	8	8	2 hrs x 2 person x 1 field review
5b.-19	Technical Meetings	LS	1	8	8	Meetings are listed below
5b.-20	Quality Assurance/Quality Control	LS	%	0%	0	
5b.-21	Independent Peer Review	LS	%	0%	0	
5b.-22	Supervision	LS	%	5%	2	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>18</b>	
5b.-23	Coordination	LS	%	0%	0	
<b>21. Signalization Analysis and Plans Total</b>					<b>97</b>	

**Technical Meetings**

FDOT Traffic Operations	EA	0	0	0
FDOT Traffic Design	EA	0	0	0
Power Company (service point coordination)	EA	0	0	0
Maintaining Agency (cities, counties)	EA	2	2	4
Railroads	EA	0	0	0
Other Meetings	EA	0	3	0
<b>Subtotal Technical Meetings</b>				<b>4</b>

Progress Meetings	EA	2	2	4
Phase Review Meetings	EA	0	0	0

<b>Total Meetings</b>				<b>8</b>
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Carries to 5b-19

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

## EXHIBIT C

**Task 6: Utility Coordination**

Project Name: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)

FPID #: 424564-3-52-01

Estimator: Andy Padgett

Name of Consultant: ICON Consultant Group, Inc

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6-1	Kickoff Meeting	LS	1	0	0	N/A
6-2	Identify Existing UAO(s)	LS	1	0	0	N/A
6-3	Make Utility Contacts	LS	1	0	0	N/A
6-4	Exception Coordination	LS	1	0	0	N/A
6-5	Preliminary Utility Meeting	LS	1	4	4	meeting minutes included
6-6	Individual/Field Meetings	LS	2	3	6	meeting minutes included
6-7	Collect and Review Plans and Data from UAO(s)	LS	10	2	20	
6-8	Subordination of Easements Coordination	LS	1	0	0	N/A
6-9	Utility Design Meeting	LS	1	4	4	meeting minutes included
6-10	Review Utility Markups and Work Schedules, and Processing of Schedules and Agreements	LS	1	0	0	
6-11	Utility Coordination/Followup	LS	1	0	0	N/A
6-12	Utility Constructability Review	LS	1	0	0	N/A
6-13	Additional Utility Services	LS	1	0	0	N/A
6-14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	N/A
6-15	Contract Plans to UAO(s)	LS	1	0	0	N/A
6-16	Certification/Close-Out	LS	1	0	0	
6-17	Other Utilities	LS	1	0	0	N/A
<b>7. Utilities Total</b>					<b>34</b>	

**Technical Meetings**

Kickoff	EA	0
Preliminary Meeting	EA	0
Individual UAO Meetings	EA	0
Field Meetings	EA	0
Design Meeting	EA	0
Other Meetings	EA	0

<b>Total Technical Meetings</b>		<b>0</b>
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**Task 7: Sidewalk Plans****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Andy Padgett**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
7-1	Key Sheet		Sheet	1	8	1	8	
7-2	Summary of Pay Items Including Quantity Input		Sheet	1	24	1	24	
7-3	Drainage Map		Sheet	0	0	0	0	
7-4	Interchange Drainage Map		Sheet	0	0	0	0	
7-5	Typical Section Sheets		Sheet	2	8	2	16	
7-6	General Notes/Pay Item Notes		Sheet	2	6	2	12	
7-7	Summary of Quantities		Sheet	0	0	0	0	
7-8	Box Culvert Data Sheet		Sheet	0	0	0	0	
7-9	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	0	
7-10	Summary of Drainage Structures		Sheet	0	0	0	0	
7-11	Optional Pipe/Culvert Material		Sheet	0	0	0	0	
7-12	Project Layout		Sheet	0	0	0	0	
7-13	Plan/Profile Sheet	1"=40'	Sheet	20	2	20	40	
7-14	Profile Sheet		Sheet	0	0	0	0	
7-15	Plan Sheet		Sheet	0	0	0	0	
7-16	Special Profile		Sheet	0	0	0	0	
7-17	Back of Sidewalk Profile Sheet		Sheet	0	0	0	0	
7-18	Interchange Layout Sheet		Sheet	0	0	0	0	
7-19	Ramp Terminal Details (Plan View)		Sheet	0	0	0	0	

**Task 7: Sidewalk Plans**

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
7-20	Intersection Layout Details		Sheet	4	10	4	40	2 intersections per sheet
7-21	Miscellaneous Detail Sheets		Sheet	1	0	1	0	
7-22	Drainage Structure Sheet (Per Structure)		EA	0	0	0	0	
7-23	Miscellaneous Drainage Detail Sheets		Sheet	0	0	0	0	
7-24	Lateral Ditch Plan/Profile		Sheet	0	0	0	0	
7-25	Lateral Ditch Cross Sections		EA	0	0	0	0	
7-26	Retention/Detention Ponds Detail Sheet		Sheet	0	0	0	0	
7-27	Retention Pond Cross Sections		EA	0	0	0	0	
7-28	Cross-Section Pattern Sheet		Sheet	0	0	0	0	
7-29	Roadway Soil Survey Sheet		Sheet	0	0	0	0	
7-30	Cross Sections		EA	130	0.25	43	33	
7-31	Traffic Control Plan Sheets		Sheet	2	6	2	12	
7-32	Traffic Control Cross Section Sheets		EA	0	0	0	0	
7-33	Traffic Control Detail Sheets		Sheet	1	0	1	0	
7-34	Utility Adjustment Sheets		Sheet	5	3	5	15	
7-35	Selective Clearing and Grubbing		Sheet	0	0	0	0	
7-36	Erosion Control Plan		Sheet	0	0	0	0	
7-37	SWPPP		Sheet	0	0	0	0	
7-38	Project Control Network Sheet		Sheet	0	0	0	0	
7-39	Environmental Detail Sheets		LS	0	0	0	0	
7-40	Utility Verification Sheet (SUE Data)		Sheet	0	0	0	0	
<b>PSTA Bus Stops</b>								
7-41	bus stop plan view additions for 11 bus stops		LS	11	2	0	22	
7-42	half sections for 11 bus stops		LS	11	2	4	22	
7-43	bus stop detail		LS	1	5	1	5	



## EXHIBIT C

**Task 7: Sidewalk Plans**

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Roadway Plans Technical Subtotal</b>						<b>87</b>	<b>249</b>	
7-41	Quality Assurance/Quality Control		LS	%	0%		0	
7-42	Supervision		LS	%	5%		12	
<b>5. Roadway Plans Total</b>						<b>87</b>	<b>261</b>	

## EXHIBIT C

**Task 8: SUE and Survey**

Estimator: Michael Curley- Jeff moss  
FINAL 06/13/13

m SR 580 to SR 586

#REF  
424564-3-52-01

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
8-1	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile	2.00	0.50	1.00	0.50	0.50	0.50	0.50	Establish/ set control using GPS methodology relative to Florida state plane Coordinate system, West Zone, North American Datum of 1983 (Adjustment 1990)
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
8-2	Vertical PC / Bench Line									
	2-Lane Roadway	Mile	2.00	1.00	2.00	0.50	1.00	0.50	1.00	Establish/ set control using north american vertical datum (NAVD) of 1988
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
8-3	Alignment and Existing R/W Lines									
		Mile	2.00		0.00		0.00		6.00	Calculate an arbitraray alignment (will not be field staked)
8-4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
8-5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	
8-6	Topography/DTM (3D)									
		Mile	2.00	9.00	18.00	2.40	43.20	2.50	45.00	Topographic features to include, but not limited to, drainage features, concrete walls, sidewalks, asphalt/concrete surfaces, and utility features. Ground / surface elevations to be sufficient in number and spacing to ensure accurate one (1) foot ground contours for future design/engineering purposes. Specified drainage structures (includes location, pipe and structure sizes, tops, grates, throats, weirs, and invert elevations) Plus 11 bus stops.
		Bus Stops	11.00	0.27	3	1.00	3	3.33	10	
8-7	Planimetric (2D)									
		Mile	0.00	0.000	0.00		0.00		0.00	
8-8	Roadway Cross-Sections/Profiles									
		Mile			0.00		0.00		0.00	

## EXHIBIT C

Task 8: SUE and Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
8-9	Side Street Surveys									

## EXHIBIT C

**Task 8: SUE and Survey**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
8-10	Underground Utilities									
	Designates	Mile/Site	5.00	0.20	1.00	0.50	0.50	1.50	1.50	Designate horizontally found utilities from EOP to ROW within 12.5' on either side of 5 areas to be called out by Engineer.
	Locates	Point	24	0.125	3.00	0.50	1.50	1.50	4.50	
	Survey		25%	4.00	1.00	0.50	0.50	2.00	2.00	
8-11	Outfall Survey									
		Mile			0.00		0.00		0.00	
8-12	Drainage Survey			Units/Day						
		EA			0.00		0.00		0.00	
8-13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
8-14	Channel Survey									
8-15		EA			0.00		0.00		0.00	
	Pond Site Survey									
8-16		EA			0.00		0.00		0.00	
	Mitigation Survey									
8-17		Mile			0.00		0.00		0.00	
	Jurisdiction Line Survey									
		Mile			0.00		0.00		0.00	
8-18	Geotechnical Support			Units/Day						
		EA			0.00		0.00		0.00	
8-19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
8-20	Subdivision Location									
		Block			0.00		0.00		0.00	
8-21	Maintained R/W									
		Mile			0.00		0.00		0.00	
8-22	Boundary Survey									
		EA			0.00		0.00		0.00	
8-23	Water Boundary Survey									
		EA			0.00		0.00		0.00	

## EXHIBIT C

**Task 8: SUE and Survey**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
8-24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
8-25	R/W Monumentation									
		Point			0.00		0.00		0.00	
8-26	Line Cutting									
		Mile			0.00					
8-27	Work Zone Safety									
					0.00					
8-28	Miscellaneous Surveys									
					0.00		0.00		0.00	
<b>Survey Subtotal</b>					<b>Crew Days</b>	<b>29</b>	<b>Field Support Hours</b>	<b>50</b>	<b>Office Support Hours</b>	<b>70</b>
8-29	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				29	0		0		0	
8-30	Document Research	Units							0	
8-31	Field Reviews	Units							0	
8-32	Technical Meetings	LS								
			2.50						3	
8-33	Quality Control / Quality Assurance	LS								
								0%	0	
8-34	Supervision	LS								
								5%	6	
8-35	Coordination	LS								
								0%	0	
<b>Survey Total</b>					<b>Crew Days</b>	<b>29</b>	<b>Field Support Hours</b>	<b>50</b>	<b>Office Support Hours</b>	<b>79</b>

## EXHIBIT C

**Task 8: SUE and Survey**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
<b>Technical Meetings</b>										
	Kickoff Meeting with PC	EA	1	2.5	2.5					SPLS =
	Baseline Approval Review	EA	0	0	0					PLS =
	Network Control Review	EA	0	0	0					Office Support =
	Vertical Control Review	EA	0	0	0					Total Hours = 129
	Local Governments (cities, counties)	EA	0	0	0					
	Final Submittal Review	EA	0	0	0					
	Other Meetings	EA	0	0	0					
	<b>Subtotal Technical Meetings</b>				<b>2.5</b>					
	Progress Meetings	EA	0	0	0					
	Phase Review Meetings	EA	0	0	0					
	<b>Total Meetings</b>				<b>2.5</b>					
										Carries to 8-32

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

**Task 9a: OS LAP Coordination****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Andy Padgett**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
9a-1	Public Involvement					
9a-2	Community Awareness Plan	LS	1	0	0	
9a-3	Notifications	LS	1	0	0	
9a-4	Prepare Mailing Lists	LS	1	0	0	
9a-5	Median Modification Letters	LS	1	0	0	
9a-6	Driveway Modification Letters	LS	1	0	0	
9a-7	Newsletters	LS	1	0	0	
9a-8	Renderings and Fly Throughs	LS	1	0	0	
9a-9	PowerPoint Presentation	LS	1	0	0	
9a-10	Public Meeting Preparations	LS	1	0	0	
9a-11	Public Meeting Attendance/Followup	LS	1	0	0	
9a-12	MPO Meetings	LS	1	0	0	
9a-13	Web Site	LS	1	0	0	
3.1 Public Involvement Subtotal					0	
9a-14	Joint Project Agreements	EA	0	0	0	
9a-15	Specifications Package Preparation	LS	1	0	0	
9a-16	Contract Maintenance	LS	1	0	0	
9a-17	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	

**Task 9a: OS LAP Coordination**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
9a-18	Prime Consultant Project Manager Meetings	LS	1	4	4	See listing below LAP meetings
9a-19	Plans Update	LS	1	0	0	
9a-20	Post Design Services	LS	1	0	0	
9a-21	Electronic Delivery	LS	1	0	0	
9a-22	Other Project General Tasks	LS	1	16	16	Review of documents prepared by the COUNTY such as: Programmatic Categorical Exclusion, Certifications/Clear Letters, Construction Checklist. Review bid tabulation and letter requesting concurrence in award. Attend Pre-bid Conference
<b>Project Common and Project General Tasks Total</b>					<b>20</b>	

**9a-18 List of Project Manager Meetings**

Progress Meetings	EA	1	4	4	w/ submitting minutes of meeting
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	

<b>Total Project Manager Meetings</b>		<b>0</b>		<b>4</b>	
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**Notes:**

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



**Task 9b: OS Public Involvement Support****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Andy Padgett**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
9b-1	Public Involvement					
9b-2	Community Awareness Plan	LS	1	0	0	
9b-3	Notifications	LS	1	0	0	
9b-4	Prepare Mailing Lists	LS	1	0	0	
9b-5	Median Modification Letters	LS	1	0	0	
9b-6	Driveway Modification Letters	LS	1	0	0	
9b-7	Newsletters	LS	1	0	0	
9b-8	Renderings and Fly Throughs	LS	1	8	8	roll plot overlay
9b-9	PowerPoint Presentation	LS	1	0	0	
9b-10	Public Meeting Preparations	LS	1	24	24	Prepare frequently asked questions handout. Coordination and review of materials such as: meeting notification mailing (assemble and mail); newspaper display ad; meeting exhibits; sign-in sheet; comment form; flyer preparation; fact sheet; site selection and development of meeting layout.
9b-11	Public Meeting Attendance/Followup	LS	1	16	16	Task includes set-up, attendance at the public meeting and preparation of a meeting summary. The summary scrapbook includes a copy of all slides, boards, handouts, completed sign-in sheets and completed comment forms. Includes two participants.
9b-12	MPO Meetings	LS	1	0	0	
9b-13	Web Site	LS	1	0	0	
Public Involvement Subtotal					48	

**Task 9b: OS Public Involvement Support**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
9b-14	Joint Project Agreements	EA	0	0	0	
9b-15	Specifications Package Preparation	LS	1	0	0	
9b-16	Contract Maintenance	LS	1	0	0	
9b-17	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
9b-18	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below
9b-19	Plans Update	LS	1	0	0	
9b-20	Post Design Services	LS	1	0	0	
9b-21	Electronic Delivery	LS	1	0	0	
9b-22	Other Project General Tasks	LS	1	0	0	
<b>Project Common and Project General Tasks Total</b>					<b>48</b>	

**List of Project Manager Meetings**

Progress Meetings	EA	0	0	0
Phase Reviews	EA	0	0	0
Field Reviews	EA	0	0	0
<b>Total Project Manager Meetings</b>		<b>0</b>	<b>0</b>	<b>0</b>

**Notes:**

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

## EXHIBIT C

**Task 9c.: OS Signalization Analysis and Plans****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Michelle Schofner, PE, PTOE**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Signalization Analysis Technical</b>						
9c-1	Traffic Data Collection	LS	1	0	0	N/A
9c-2	Traffic Data Analysis	PI	1	0	0	N/A
9c-3	Signal Warrant Study	LS	1	0	0	N/A
9c-4	System Timings	LS	0	0	0	N/A
9c-5	Reference and Master Signalization Design File	PI	1	20	20	falcon/ amberlea intersection
9c-6	Reference and Master Interconnect Communication Design File	LS	1	0	0	N/A
9c-7	Overhead Street Name Sign Design	EA	0	0	0	N/A
9c-8	Pole Elevation Analysis	LS	1	2	2	N/A
9c-9	Traffic Signal Operation Report	LS	1	0	0	N/A
9c-10	Quantities	LS	1	8	8	
9c-11	Cost Estimate	LS	1	8	8	
9c-12	Technical Special Provisions	LS	1	0	0	N/A
9c-13	Other Signalization Analysis	LS	1	0	0	N/A
<b>Signalization Analysis Technical Subtotal</b>					<b>38</b>	

## EXHIBIT C

**Task 9c.: OS Signalization Analysis and Plans**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Signalization Plans</b>						
9c-14	Plan Sheet	Sheet	1	8	8	
9c-15	Guide Sign Worksheet	EA	1	4	4	
9c-16	Special Details	Sheet	1	2	2	
9c-17	Special Service Point Details	EA	1	2	2	
9c-18	Mast Arm/Monotube Tabulation Sheet	PI	1	4	4	
<b>Signalization Plans Technical Subtotal</b>					<b>20</b>	
9c-19	Field Reviews	LS	1	12	12	3 hrs/trip X 2 person X 2 field review
9c-20	Technical Meetings	LS	1	8	8	Meetings are listed below
9c-21	Quality Assurance/Quality Control	LS	%	0%	0	
9c-22	Independent Peer Review	LS	%	0%	0	
9c-23	Supervision	LS	%	5%	2	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>22</b>	
9c-24	Coordination	LS	%	0%	0	
<b>21. Signalization Analysis and Plans Total</b>					<b>80</b>	

**Technical Meetings**

FDOT Traffic Operations	EA	0	0	0
FDOT Traffic Design	EA	0	0	0
Power Company (service point coordination)	EA	0	0	0
Maintaining Agency (cities, counties)	EA	2	2	4
Railroads	EA	0	0	0
Other Meetings	EA	0	0	0
<b>Subtotal Technical Meetings</b>				<b>4</b>

Progress Meetings	EA	2	2	4
Phase Review Meetings	EA	0	0	0

**Total Meetings** **8**

Carries to 9c-20

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

**Task 9c.: OS Structures - Summary and Miscellaneous Tasks and Drawings**

Estimator: Steve Laney - Ayers

580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)  
424564-3-52-01

Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
	General Drawings										
9c-1	Index of Drawings	Sheet	0	0	0	0					
9c-2	Project Layout	Sheet	0	0	0	0					
9c-3	General Notes and Bid Item Notes	Sheet	0	0	0	0					
9c-4	Miscellaneous Common Details	Sheet	0	0	0	0					
9c-5	Incorporate Report of Core Borings	Sheet	0	0	0	0					
9c-6	Existing Bridge Plans	LS	0	0		0					
9c-7	Assemble Computation Book and Quantities	LS	0	0		0					
9c-8	Cost Estimate	LS	0	0		0					
9c-9	Technical Special Provisions	LS	0	0		0					
Structures - Summary and Miscellaneous Tasks and Drawings Subtotal					0	0					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
9c-10	Bridge 1	0	0	0	0	0	0	0	0		
9c-11	Bridge 2	0									
9c-12	Bridge 3	0									
9c-13	Retaining Walls	0								0	
9c-14	Miscellaneous Structures	20									20
Structures Technical Subtotals		20	0	0	0	0	0	0	0	0	20

**Task 9c.: OS Structures - Summary and Miscellaneous Tasks and Drawings**

Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments
9c-15	Field Reviews	LS	1	0	0	
9c-16	Technical Meetings	LS	1	0	0	Meetings are listed below
9c-17	Quality Assurance/Quality Control	LS	%	0%	0	
9c-18	Independent Peer Review	LS	%	0%	0	
9c-19	Supervision	LS	%	5%	1	
<b>Structures Nontechnical Subtotal</b>					1	
9c-20	Coordination	LS	%	0%	0	
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings Nontechnical and Coordination Total</b>					1	

**Technical Meetings**

BDR Coordination/Review	EA	0	0	0
90/100% Comment Review	EA	0	0	0
Aesthetics Coordination	EA	0	0	0
Regulatory Agency	EA	0	0	0
Local Governments (cities, counties)	EA	0	0	0
Utility Companies	EA	0	0	0
Other Meetings	EA	0	0	0
<b>Subtotal Technical Meetings</b>				<b>0</b>
Progress Meetings	EA	0	0	0
Phase Review Meetings	EA	0	0	0
<b>Total Meetings</b>				<b>0</b>

Carries to 9c-16

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3.**

**Task 9c: OS Structures - Miscellaneous**

Estimator: Steve Laney - Ayers

CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)  
424564-3-52-01

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Concrete Box Culvert</b>							
9c-1	Concrete Box Culverts	EA	0	0	0	0	
9c-2	Concrete Box Culverts Extensions	EA Extension	0	0	0	0	
<b>Strain Poles</b>							
9c-3	Steel Strain Poles	Initial Config	0	0	0	0	
9c-4		EA Add'l Config	0	0	0	0	
9c-5	Concrete Strain Poles	Initial Config	0	0	0	0	
9c-6		EA Add'l Config	0	0	0	0	
9c-7	<b>Mast Arms</b>						
9c-8	Mast Arms	EA Pole	2	12	1	24	
<b>Overhead/Cantilever Sign Structures</b>							
9c-10	Cantilever Sign Structures	EA Design	0	0	0	0	
9c-11	Overhead Span Sign Structures	EA Design	0	0	0	0	
9c-12	Special (Long Span) Overhead Sign Structures	EA Design	0	0	0	0	
9c-13	Monotube Overhead Sign Structure	EA Design	0	0	0	0	
9c-14	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0	0	0	
<b>High Mast Lighting</b>							
9c-15	High Mast Lighting Structures	EA Design	0	0	0	0	
<b>Sound Barrier Walls (Ground Mount)</b>							
9c-16	Horizontal Wall Geometry	EA Wall	0	0	0	0	
9c-17	Vertical Wall Geometry	EA Wall	0	0	0	0	
9c-18	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
9c-19	Control Drawings	Sheet	0	0	0	0	
9c-20	Design for Wall Height Covered by Standards	EA Design	0	0	0	0	
9c-21	Design for Wall Height Not Covered by Standards	EA Design	0	0	0	0	
9c-22	Aesthetic Details	LS	1	0	0	0	
<b>Special Structures</b>							
9c-22	Fender System	LS	1	0		0	
9c-24	Fender System Access	LS	1	0		0	
9c-25	Special Structures	LS	1	0		0	
9c-26	Other Structures	LS	1	0		0	
<b>18. Structures - Miscellaneous Total</b>					<b>1</b>	<b>24</b>	

EXHIBIT C

EXHIBIT C

Task 9c.: OS Falcon/Amberley SUE and Survey

Mike Curley

Project

123456-1-52-01

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9c-1	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
9c-2	Vertical PC / Bench Line									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
9c-3	Alignment and Existing R/W Lines									
		Mile			0.00		0.00		0.00	
9c-4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
9c-5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	
9c-6	Topography/DTM (3D)									
		Mile			0.00		0.00		0.00	
9c-7	Planimetric (2D)									
		Mile			0.00		0.00		0.00	
9c-8	Roadway Cross-Sections/Profiles									
		Mile			0.00		0.00		0.00	
9c-9	Side Street Surveys									



EXHIBIT C

Task 9c: OS Falcon/Amberlee SUE and Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9c-10	Underground Utilities									
	Designates	Mile/Spot	2.50	0.20	0.50	1.00	0.50	1.50	0.75	Designate 2 corners for mast arms and provide test holes for mast arm clearance
	Locates	Point	10	0.15	1.50	1.00	1.50	1.50	2.25	
	Survey		30%	2.00	0.50	1.00	0.50	4.00	2.40	
9c-11	Outfall Survey									
		Mile			0.00		0.00		0.00	
9c-12	Drainage Survey			Units/Day						
		EA			0.00		0.00		0.00	
9c-13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
9c-14										
	Channel Survey									
9c-15		EA			0.00		0.00		0.00	
	Pond Site Survey									
9c-16		EA			0.00		0.00		0.00	
	Mitigation Survey									
9c-17		Mile			0.00		0.00		0.00	
	Jurisdiction Line Survey									
		Mile			0.00		0.00		0.00	
9c-18	Geotechnical Support			Units/Day						
		EA			0.00		0.00		0.00	
9c-19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
9c-20	Subdivision Location									
		Block			0.00		0.00		0.00	
9c-21	Maintained RW									
		Mile			0.00		0.00		0.00	
9c-22	Boundary Survey									
		EA			0.00		0.00		0.00	
9c-23	Water Boundary Survey									
		EA			0.00		0.00		0.00	
9c-24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
9c-25	R/W Monumentation									
		Point			0.00		0.00		0.00	
9c-26	Line Cutting									
		Mile			0.00					
9c-27	Work Zone Safety									
			3	0.125	0.38					
9c-28	Miscellaneous Surveys									
					0.00		0.00		0.00	
Survey Subtotal				Crew Days	3	Field Support Hours	3	Office Support Hours	5	

# EXHIBIT C

## Task 9c: OS Falcon/Amberies SUE and Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9c-28	Supplemental Surveys			3	0		0		0	THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
9c-30	Document Research	Units							0	
9c-31	Field Reviews	Units							0	
9c-32	Technical Meetings	LS							0	
			0.00						0	
9c-33	Quality Control / Quality Assurance	LS						0%	0	
9c-34	Supervision	LS						5%	0	
9c-35	Coordination	LS						0%	0	
27. Survey Total				Crew Days	3	Field Support Hours	3	Office Support Hours	0	

### Technical Meetings

Kickoff Meeting with FDOT	EA	0	0	0
Baseline Approval Review	EA	0	0	0
Network Control Review	EA	0	0	0
Vertical Control Review	EA	0	0	0
Local Governments (cities, counties)	EA	0	0	0
Final Submittal Review	EA	0	0	0
Other Meetings	EA	0	0	0
<b>Subtotal Technical Meetings</b>				<b>0</b>
Progress Meetings	EA	0	0	0
Phase Review Meetings	EA	0	0	0
<b>Total Meetings</b>				<b>0</b>

Circle to 9c-32

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

SPLS =

PLS =

Office Support =

Total Hours = 9

### Task 9c.: OS Falcon/Amberlea Geotechnical

Estimator: Henri Jean - Tierra

CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)  
424564-3-52-01

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	<b>Roadway</b>					
9c-1	Document Collection and Review	LS	1	0	0	Project Information=====>
9c-2	Develop Detailed Boring Location Plan	LS	1	0	0	
9c-3	Stake Borings/Utility Clearance	Boring	0	0	0	
9c-4	Coordinate and Develop MOT Plans for Field Investigation	EA	0	0	0	
9c-5	Drilling Access Permits	Location	0	0	0	
9c-6	Property Clearances	EA	0	0	0	
9c-7	Groundwater Monitoring	EA	0	0	0	
9c-8	LBR/Resilient Modulus Sampling	EA	0	0	0	
9c-9	Coordination of Field Work	100 lf of boring	0	0	0	
9c-10	Soil and Rock Classification - Roadway	100 lf of boring	0	0	0	
9c-11	Design LBR	LS	0	0	0	
9c-12	Laboratory Data	100 lf of boring	0	0	0	
9c-13	Seasonal High Water Table	Boring	0	0	0	
9c-14	Parameters for Water Retention Areas	EA	0	0	0	
9c-15	Delineate Limits of Unsuitable Material	Cross-section	0	0	0	
9c-16	Electronic Files for Cross-Sections	100 lf of boring	0	0	0	
9c-17	Embankment Settlement and Stability	Embankment Boring	0	0	0	
9c-18	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	
9c-19	Geotechnical Recommendations	LS	1	0	0	
9c-20	Pavement Condition Survey and Pavement Evaluation Report	LS	1	0	0	
9c-21	Preliminary Roadway Report	LS	1	0	0	
9c-22	Final Report	EA	0	0	0	
9c-23	Auger Boring Drafting	100 lf boring	0	3	0	
9c-24	SPT Boring Drafting	100 lf boring	0	4	0	
					<b>0</b>	

EXHIBIT C

**Task 9c.: OS Falcon/Amberlea Geotechnical**

EXHIBIT C

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	<b>Structures</b>					
9c-25	Develop Detailed Boring Location Plan	LS	1	5	5	Structure Information=====>
9c-26	Stake Borings/Utility Clearance	Boring	2	0.75	2	2-35 ft SPTs and Soil Parameter Sheet
9c-27	Coordinate and Develop MOT Plans for Field Investigation	EA	0	0	0	
9c-28	Drilling Access Permits	Location	0	0	0	
9c-29	Property Clearances	EA	0	0	0	
9c-30	Collection of Corrosion Samples	EA	0	0	0	
9c-31	Coordination of Field Work	100 lf of boring	0.7	1.5	1	
9c-32	Soil and Rock Classification - Structures	100 lf of boring	0.7	2	1	
9c-33	Tabulation of Laboratory Data	100 lf of boring	0.7	1	1	
9c-34	Estimate Design Groundwater Level for Structures	EA	0	0	0	
9c-35	Selection of Foundation Alternatives (BDR)	Bridge boring	0	0	0	
9c-36	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	0	0	0	NA
9c-37	Bridge Construction and Testing Recommendations	Bridge boring	0	0	0	NA
9c-38	Lateral Load Analysis (Optional)	Bridge boring	0	0	0	NA
9c-39	Walls	Wall Boring	0	0	0	
9c-40	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	0	0	
9c-41	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	2	1	2	
9c-42	Box Culvert Analysis	EA	0	0	0	
9c-43	Preliminary Report - BDR	EA	0	0	0	
9c-44	Final Report - Bridge and Associated Walls	EA	0	0	0	
9c-45	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	1	5	5	
9c-46	SPT Boring Drafting	100 lf of boring	0.7	4	3	
9c-47	Other Geotechnical	LS	1	0	0	
<b>Structural Geotechnical Subtotal</b>					<b>20</b>	
<b>Geotechnical Technical Subtotal</b>					<b>20</b>	

**Task 9c.: OS Falcon/Amberlea Geotechnical**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
9c-48	Technical Special Provisions	EA	0	0	0	
9c-49	Field Reviews	LS	0	0	0	
9c-50	Technical Meetings	LS	0	0	0	
9c-51	Quality Assurance/Quality Control	LS	%	0%	0	
9c-52	Supervision	LS	%	5%	1	
<b>Geotechnical Nontechnical Subtotal</b>					<b>1</b>	
9c-53	Coordination	LS	%	0%	0	
9c-54	Optional Preliminary Contamination Assessment	LS	1	0	0	
<b>30. Geotechnical Total</b>					<b>21</b>	

**Technical Meetings**

Kickoff Meeting with FDOT	EA	0	0	0
Boring Layout Approval	EA	0	0	0
Attend in BDR Review Meeting	EA	0	0	0
30/60/90% Submittal Review	EA	0	0	0
Other Meetings	EA	0	0	0
<b>Subtotal Technical Meetings</b>				<b>0</b>
Progress Meetings	EA	0	0	0
Phase Review Meetings	EA	0	0	0
<b>Total Meetings</b>				<b>0</b>

Carries to 9c-49

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

EXHIBIT C

**Task 9d.: OS Sight Distance Analysis and Plans****Project Name:** CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)**FPID #:** 424564-3-52-01**Estimator:** Andy Padgett**Name of Consultant:** ICON Consultant Group, Inc

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
9d-1	Typical Section Package	LS	1	0	0	
9d-2	Pavement Design Package	LS	1	0	0	
9d-3	Access Management	LS	1	0	0	
9d-4	Horizontal/Vertical Master Design Files	LS	1	0	0	
9d-5	Cross Section Design Files	LS	1	0	0	
9d-6	Traffic Control Analysis	LS	1	0	0	
9d-7	Master TCP Design Files	LS	1	0	0	
9d-8	Design Variations and Exceptions	LS	1	0	0	
9d-9	Design Report	LS	1	0	0	
9d-10	Computation Book & Quantities	LS	1	0	0	
9d-11	Cost Estimate	LS	1	2	2	
9d-12	Technical Special Provisions	LS	1	0	0	
9d-13	Other Roadway Analysis	LS	8	2	16	sight distance analysis for 8 side streets
<b>Sidewalk Analysis Technical Subtotal</b>					<b>18</b>	
9d-14	Field Reviews	LS	1	4	4	
9d-15	Technical Meetings	LS	1	4	4	Meetings are listed below
9d-16	Quality Assurance/Quality Control	LS	%	0%	0	
9d-17	Independent Peer Review	LS	%	0%	0	
9d-18	Supervision	LS	%	5%	1	
<b>Sidewalk Analysis Nontechnical Subtotal</b>					<b>9</b>	
9d-19	sight distance plan additions for 8 side streets	LS	8	2	16	
<b>Sidewalk Analysis Total</b>					<b>43</b>	

**Task 9d.: OS Sight Distance Analysis and Plans**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
<b>Technical Meetings</b>						
	Typical Section	EA	0	0	0	
	Pavement	EA	0	0	0	
	Access Management	EA	0	0	0	
	15% Line and Grade	EA	0	0	0	
	Driveways	EA	0	0	0	
	Local Governments (cities, counties, MPO)	EA	0	0	0	
	Work Zone Traffic Control	EA	0	0	0	
	30/60/90/100% Comment Review Meetings	EA	0	0	0	
	Other Meetings	EA	1	4	4	Coordination meeting with County
	<b>Subtotal Technical Meetings</b>				<b>4</b>	
	Progress Meetings (if required by FDOT)	EA	0	0	0	
	Phase Review Meetings	EA	0	0	0	
	<b>Total Meetings</b>				<b>4</b>	
Carries to 9d-15						

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

## EXHIBIT C

**Task 9d.: OS Sight Distance - Survey**

Estimator: Michael Curley- Jeff moss

Project: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlaw Road Sidewalk Improvements (LAP)  
FPID: 424564-3-52-01

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9d-1	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
9d-2	Vertical PC / Bench Line									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
9d-3	Alignment and Existing R/W Lines									
		Mile			0.00		0.00		0.00	
9d-4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
9d-5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	
9d-6	Topography/DTM (3D)									
		Intrscns	8.00	0.50	4.00	1.00	4.00	2.50	10.00	Topographic features to include, but not limited to, drainage features, concrete walls, sidewalks, asphalt/concrete surfaces, and utility features. Ground / surface elevations to be sufficient in number and spacing to ensure accurate one (1) foot ground contours for future design/engineering purposes. Specified drainage structures (includes location, pipe and structure sizes, tops, grates, throats, weirs, and invert elevations) along the right of way.
9d-7	Planimetric (2D)									
		Mile			0.00		0.00		0.00	
9d-8	Roadway Cross-Sections/Profiles									
		Mile			0.00		0.00		0.00	
9d-9	Side Street Surveys									



EXHIBIT C

Task 9d.: OS Sight Distance - Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9d-10	Underground Utilities									
	Designates	Mile/Site			0.00		0.00		0.00	
	Locates	Point			0.00		0.00		0.00	
	Survey		0%	0.00	0.00		0.00		0.00	
9d-11	Outfall Survey									
		Mile			0.00		0.00		0.00	
9d-12	Drainage Survey			Units/Day						
		EA			0.00		0.00		0.00	
9d-13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
9d-14										
	Channel Survey									
9d-15		EA			0.00		0.00		0.00	
	Pond Site Survey									
9d-16		EA			0.00		0.00		0.00	
	Mitigation Survey									
9d-17		Mile			0.00		0.00		0.00	
	Jurisdiction Line Survey									
		Mile			0.00		0.00		0.00	
9d-18	Geotechnical Support			Units/Day						
		EA			0.00		0.00		0.00	
9d-19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
9d-20	Subdivision Location									
		Block			0.00		0.00		0.00	
9d-21	Maintained R/W									
		Mile			0.00		0.00		0.00	
9d-22	Boundary Survey									
		EA			0.00		0.00		0.00	
9d-23	Water Boundary Survey									
		EA			0.00		0.00		0.00	

## EXHIBIT C

Task 9d.: OS Sight Distance - Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9d-24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
9d-25	R/W Monumentation									
		Point			0.00		0.00		0.00	
9d-26	Line Cutting									
		Mile			0.00					
9d-27	Work Zone Safety									
					0.00					
9d-28	Miscellaneous Surveys									
					0.00		0.00		0.00	
<b>Survey Subtotal</b>				<b>Crew Days</b>	<b>4</b>	<b>Field Support Hours</b>	<b>4</b>	<b>Office Support Hours</b>	<b>10</b>	
9d-29	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				4	0		0		0	
9d-30	Document Research	Units							0	
9d-31	Field Reviews	Units							0	
9d-32	Technical Meetings	LS							0	
			0.00						0	
9d-33	Quality Control / Quality Assurance	LS								
								0%	0	
9d-34	Supervision	LS								
								5%	1	
9d-35	Coordination	LS								
								0%	0	
<b>Survey Total</b>				<b>Crew Days</b>	<b>4</b>	<b>Field Support Hours</b>	<b>4</b>	<b>Office Support Hours</b>	<b>11</b>	

## EXHIBIT C

Task 9d.: OS Sight Distance - Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
<b>Technical Meetings</b>										
	Kickoff Meeting with FDOT	EA	0	0	0					SPLS =
	Baseline Approval Review	EA	0	0	0					PLS =
	Network Control Review	EA	0	0	0					Office Support =
	Vertical Control Review	EA	0	0	0					Total Hours = 15
	Local Governments (cities, counties)	EA	0	0	0					
	Final Submittal Review	EA	0	0	0					
	Other Meetings	EA	0	0	0					
	<b>Subtotal Technical Meetings</b>				<b>0</b>					
	Progress Meetings	EA	0	0	0					
	Phase Review Meetings	EA	0	0	0					
	<b>Total Meetings</b>				<b>0</b>					
										Carries to 9d-32

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

## EXHIBIT C

**Task 9e.: OS Cross Slope Correction Analysis and Plans**

Project Name: CR 1 (Keene Road) From SR 580/Main St to SR 586/Curlew Road Sidewalk Improvements (LAP)

FPID #: 424564-3-52-01

Estimator: Andy Padgett

Name of Consultant: ICON Consultant Group, Inc

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
9e-1	Typical Section Package	LS	1	0	0	
9e-2	Pavement Design Package	LS	1	0	0	
9e-3	Access Management	LS	1	0	0	
9e-4	Horizontal/Vertical Master Design Files	LS	1	0	0	
9e-5	Cross Section Design Files	LS	1	0	0	
9e-6	Traffic Control Analysis	LS	1	0	0	
9e-7	Master TCP Design Files	LS	1	0	0	
9e-8	Design Variations and Exceptions	LS	1	0	0	
9e-9	Design Report	LS	1	0	0	
9e-10	Computation Book & Quantities	LS	1	0	0	
9e-11	Cost Estimate	LS	1	2	2	
9e-12	Technical Special Provisions	LS	1	0	0	
9e-13	Other Roadway Analysis	LS	8	3	24	cross slope correction analysis for 8 side streets
<b>Sidewalk Analysis Technical Subtotal</b>					<b>26</b>	
9e-14	Field Reviews	LS	1	4	4	
9e-15	Technical Meetings	LS	1	4	4	Meetings are listed below
9e-16	Quality Assurance/Quality Control	LS	%	0%	0	
9e-17	Independent Peer Review	LS	%	0%	0	
9e-18	Supervision	LS	%	5%	1	
<b>Sidewalk Analysis Nontechnical Subtotal</b>					<b>9</b>	
9e-19	cross slope correction plan view additions for 8 side streets	LS	8	2	16	
9e-20	half sections for 8 side streets	LS	16	2	32	2 half sections per sidestreet
<b>Sidewalk Analysis Total</b>					<b>83</b>	

## EXHIBIT C

**Task 9e.: OS Cross Slope Correction Analysis and Plans**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
<b>Technical Meetings</b>						
	Typical Section	EA	0	0	0	
	Pavement	EA	0	0	0	
	Access Management	EA	0	0	0	
	15% Line and Grade	EA	0	0	0	
	Driveways	EA	0	0	0	
	Local Governments (cities, counties, MPO)	EA	0	0	0	
	Work Zone Traffic Control	EA	0	0	0	
	30/60/90/100% Comment Review Meetings	EA	0	0	0	
	Other Meetings	EA	1	4	4	COORDINATION MEETING WITH COUNTY
	<b>Subtotal Technical Meetings</b>				<b>4</b>	
	Progress Meetings (if required by FDOT)	EA	0	0	0	
	Phase Review Meetings	EA	0	0	0	
	<b>Total Meetings</b>				<b>4</b>	

Carries to 9e-15

**Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

## EXHIBIT C

**Task 9e.: OS Cross Slope Correction - SUE and Survey**

Estimator: Michael Curley- Jeff moss

CR 1 (KEENE ROAD) FROM SR 580 (MAIN ST.) TO SR 586 (CURLEW ROAD)  
424564-3-52-01

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9e-1	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
9e-2	Vertical PC / Bench Line									
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
9e-3	Alignment and Existing R/W Lines									
		Mile			0.00		0.00		0.00	
9e-4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
9e-5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	
9e-6	Topography/DTM (3D)									Topographic features to include, but not limited to, drainage features, concrete walls, sidewalks, asphalt/concrete surfaces, and utility features. Ground / surface elevations to be sufficient in number and spacing to ensure accurate one (1) foot ground contours for future design/engineering purposes. Specified drainage structures (includes location, pipe and structure sizes, tops, grates, throats, weirs, and invert elevations) along the right of way
		intrscns	8.00	0.50	4.00	0.50	2.00	2.50	10.00	
9e-7	Planimetric (2D)									
		Mile			0.00		0.00		0.00	
9e-8	Roadway Cross-Sections/Profiles									
		Mile			0.00		0.00		0.00	

## EXHIBIT C

**Task 9e.: OS Cross Slope Correction - SUE and Survey**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9e-9	Side Street Surveys									

## EXHIBIT C

**Task 9e.: OS Cross Slope Correction - SUE and Survey**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9e-10	Underground Utilities									
	Designates	Mile/Site	8.00	0.40	3.20	1.00	3.20	1.50	4.80	Designate horizontally found utilities at inlets on side streets and at corners where slope changes are necessary and provide a test hole on each found utility for vertical verification.
	Locates	Point	40	0.15	6.00	1.00	6.00	1.50	9.00	
	Survey		30%	9.20	2.76	1.00	2.76	1.50	4.14	
9e-11	Outfall Survey									
		Mile			0.00		0.00		0.00	
9e-12	Drainage Survey			Units/Day						
		EA			0.00		0.00		0.00	
9e-13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
9e-14	Channel Survey									
9e-15		EA			0.00		0.00		0.00	
	Pond Site Survey									
9e-16		EA			0.00		0.00		0.00	
	Mitigation Survey									
9e-17		Mile			0.00		0.00		0.00	
	Jurisdiction Line Survey									
		Mile			0.00		0.00		0.00	
9e-18	Geotechnical Support			Units/Day						
		EA			0.00		0.00		0.00	
9e-19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
9e-20	Subdivision Location									
		Block			0.00		0.00		0.00	
9e-21	Maintained R/W									
		Mile			0.00		0.00		0.00	
9e-22	Boundary Survey									
		EA			0.00		0.00		0.00	
9e-23	Water Boundary Survey									
		EA			0.00		0.00		0.00	



## EXHIBIT C

Task 9e.: OS Cross Slope Correction - SUE and Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
9e-24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
9e-25	R/W Monumentation									
		Point			0.00		0.00		0.00	
9e-26	Line Cutting									
		Mile			0.00					
9e-27	Work Zone Safety									
			11.96	0.125	1.50					
9e-28	Miscellaneous Surveys									
					0.00		0.00		0.00	
Survey Subtotal				Crew Days	17	Field Support Hours	14	Office Support Hours	28	
9e-29	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				17	0		0		0	
9e-30	Document Research	Units							0	
9e-31	Field Reviews	Units							0	
9e-32	Technical Meetings	LS							0	
			0.00						0	
9e-33	Quality Control / Quality Assurance	LS							0	
								0%	0	
9e-34	Supervision	LS							2	
								5%		
9e-35	Coordination	LS							0	
								0%	0	
Survey Total				Crew Days	17	Field Support Hours	14	Office Support Hours	30	

## EXHIBIT C

Task 9e.: OS Cross Slope Correction - SUE and Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
<b>Technical Meetings</b>								SPLS =		
								PLS =		
								Office Support =		
								Total Hours =		44
	Kickoff Meeting with FDOT	EA	0	0	0					
	Baseline Approval Review	EA	0	0	0					
	Network Control Review	EA	0	0	0					
	Vertical Control Review	EA	0	0	0					
	Local Governments (cities, counties)	EA	0	0	0					
	Final Submittal Review	EA	0	0	0					
	Other Meetings	EA	0	0	0					
	<b>Subtotal Technical Meetings</b>				<b>0</b>					
	Progress Meetings	EA	0	0	0					
	Phase Review Meetings	EA	0	0	0					
	<b>Total Meetings</b>				<b>0</b>					

Carries to 9e-32

Note: Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

**Appendix 1**  
**Terms for Federal Aid Contracts / Florida Department of Transportation**

**TERMS FOR FEDERAL AID CONTRACTS (APPENDIX I):**

The following terms apply to all contracts in which involve the expenditure of federal funds:

- A. It is understood and agreed that all rights of the County and the Florida Department of Transportation relating to inspection, review, approval, patents, copyrights, and audit of the work, tracing, plans, specifications, maps, data, and cost records relating to this Agreement shall also be reserved and held by authorized representatives of the United States of America.
- B. It is understood and agreed that, in order to permit federal participation, no supplemental agreement of any nature may be entered into by the parties hereto with regard to the work to be performed hereunder without the approval of the U.S. Department of Transportation, anything to the contrary in this Agreement notwithstanding.
- C. Compliance with Regulations: The Consultant shall comply with the Regulations of the U.S. Department of transportation Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this Agreement.
- D. Nondiscrimination: The Consultant, with regard to the work performed during the Agreement, shall not discriminate on the basis of race, color, national origin, sex, age, disability, religion or family status in the selection and retention of subcontractors, including procurements of material and leases of equipment. The Consultant will not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the Agreement covers a program set forth in Appendix B of the Regulations.
- E. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations made by the Consultant, either by competitive bidding or negotiation for work to be performed under a subcontract, including procurements of materials and leases of equipment, each potential subcontractor or supplier shall be notified by the Consultant of the Consultant's obligations under this Agreement and the Regulations relative to nondiscrimination on the basis of race, color, national origin, sex, age, disability, religion or family status.
- F. Information and Reports: The Consultant will provide all information and reports required by the Regulations, or directives issued pursuant thereto, and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the County, Florida Department of Transportation, Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, and/or Federal Motor Carrier Safety Administration to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of the Consultant is in the exclusive possession of another who fails or refuses to furnish this information, the Consultant shall so certify to the Florida Department of Transportation, Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, and/or the Federal Motor Carrier Safety Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
- G. Sanctions for Noncompliance: In the event of the Consultant's noncompliance with the nondiscrimination provisions of this Agreement, the Florida Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, and/or Federal Motor Carrier Safety Administration may determine to be appropriate, including, but not limited to,
  - 1. withholding of payments to the Consultant under the Agreement until the Consultant complies and/or
  - 2. cancellation, termination or suspension of the Agreement, in whole or in part.
- H. Incorporation or Provisions: The Consultant will include the provisions of Paragraph C through H in every subcontract, including procurements of materials and leases of equipment unless exempt by the Regulations, order, or instructions issued pursuant thereto. The Consultant will take such action with respect to any subcontract or procurement as the County, Florida Department of Transportation, Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, and/or the Federal Motor Carrier Safety Administration may direct as a means of enforcing such provisions, including sanctions for noncompliance. In the event a Consultant becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the Consultant may request the Florida Department of Transportation to enter into such litigation to protect the interests of the Florida Department of Transportation, and, in addition, the Consultant may request the United States to enter into such litigation to protect the interests of the United States.
- I. Interest of Members of Congress: No member of or delegate to the Congress of the United States will be admitted to any share or part of this contract or to any benefit arising therefrom.
- J. Interest of Public Officials: No member, officer, or employee of the public body or of a local public body during his tenure or for one year thereafter shall have any interest, direct or indirect, in this Agreement or the proceeds thereof. For purposes of this provision, public body shall include municipalities and other political subdivisions of States; and public corporations, boards, and commissions established under the laws of any State.
- K. Participation by Disadvantaged Business Enterprises: The Consultant shall agree to abide by the following statement from 49 CFR 26.13(b). This statement shall be included in all subsequent agreements between the Consultant and any subconsultant or contractor.

**Appendix 1**  
**Terms for Federal Aid Contracts / Florida Department of Transportation**

The Consultant, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. The Consultant shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the Consultant to carry out these requirements is a material breach of this Agreement, which may result in termination of this Agreement or other such remedy as the recipient deems appropriate.

- L. It is mutually understood and agreed that the willful falsification, distortion or misrepresentation with respect to any facts related to the project(s) described in this Agreement is a violation of the Federal Law. Accordingly, United States Code, Title 18, Section 1020, is hereby incorporated by reference and made a part of this Agreement.
- M. It is understood and agreed that if the Consultant at any time learns that the certification it provided the Florida Department of Transportation in compliance with 49 CFR, Section 26.51, was erroneous when submitted or has become erroneous by reason of changed circumstances, the Consultant shall provide immediate written notice to the Florida Department of Transportation. It is further agreed that the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction" as set forth in 49 CFR, Section 29.510, shall be included by the Consultant in all lower tier covered transactions and in all aforementioned federal regulation.
- N. The County hereby certifies that neither the Consultant nor the Consultant's representative has been required by the Florida Department of Transportation, directly or indirectly as an express or implied condition in connection with obtaining or carrying out this Agreement, to

1. employ or retain, or agree to employ or retain, any firm or person, or
2. pay, or agree to pay, to any firm, person, or organization, any fee, contribution, donation, or consideration of any kind;

The County further acknowledges that this Agreement will be furnished to a federal agency, in connection with this Agreement involving participation of Federal-Aid funds, and is subject to applicable State and Federal Laws, both criminal and civil.

- O. The Consultant hereby certifies that it has not:
1. employed or retained for a commission, percentage, brokerage, contingent fee, or other consideration, any firm or person (other than a bona fide employee working solely for the above Consultant) to solicit or secure this Agreement;
  2. agreed, as an express or implied condition for obtaining this Agreement, to employ or retain the services of any firm or person in connection with carrying out this Agreement; or
  3. paid, or agreed to pay, to any firm, organization or person (other than a bona fide employee working solely for the above Consultant) any fee contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the Agreement.

The consultant further acknowledges that this Agreement will be furnished to the State of Florida Department of Transportation and a federal agency in connection with this Agreement involving participation of Federal-Aid funds, and is subject to applicable State and Federal Laws, both criminal and civil.

**Other Requirements:**

The Consultant shall comply with Florida Department of Transportation's DBE Program Plan unless the County or the Consultant has a DBE Program Plan approved by the USDOT. The Florida Department of Transportation currently has a race neutral program with an 8.60% Goal.

A DBE preference is not permitted. Use DBEs certified under the Florida Unified Certification Program Directory:  
<http://www.dot.state.fl.us/equalopportunityoffice/dbecertification.shtm>

**E- VERIFY:** The Consultant shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Consultant during the term of this Agreement; and shall expressly require any subconsultants performing work or providing services pursuant to the Agreement to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subconsultant during the term of the Agreement.

**SECTION C - INSURANCE REQUIREMENTS**

The Contracted vendor shall obtain and maintain, and require any sub-contractors to obtain and maintain, at all times during its performance of the Agreement, insurance of the types and in the amounts set forth. For projects with a Completed Operations exposure, Contractor shall maintain coverage and provide evidence of insurance for two (2) years beyond final acceptance. All insurance policies shall be from responsible companies duly authorized to do business in the State of Florida and have an AM Best rating of A- VIII or better. Within ten (10) calendar days after contractor receipt of notice of award, the Contractor shall provide the County with properly executed Certificates of Insurance to evidence compliance with the insurance requirements of the agreement. 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 three (3) for Additional Insured shall be attached to the certificate(s).

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 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 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 endorsements, at any time during the RFP and/or contract period.

All policies providing liability coverage(s), other than professional liability and worker's compensation policies obtained by the Contractor and sub-contractor(s) to meet the requirements of the Agreement shall be endorsed to include Pinellas County Board of County Commissioners and the Florida Department of Transportation (FDOT) as an Additional Insured.

If any insurance provided pursuant to the Agreement expires prior to the completion of the Work, renewal Certificates of Insurance and endorsements shall be furnished by the Contractor to the County at least thirty (30) days prior to the expiration date.

Contracted vendor shall also notify County within twenty-four (24) hours after receipt, of any notices of expiration, cancellation, nonrenewal or adverse material change in coverage received by said Contractor from its insurer. Notice shall be given by certified mail to: Pinellas County Purchasing Department, 400 S. Ft. Harrison Avenue, 6th Floor, Clearwater, Florida 33756; and nothing contained herein shall absolve Contractor of this requirement to provide notice.

Should the Contractor, 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 Contractor for such purchase. 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.

Each insurance policy shall include the following terms and/or conditions in the policy:

- (1) 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.
- (2) 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.
- (3) 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.
- (4) All policies shall be written on a primary, non-contributory basis.
- (5) Any certificate 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 of insurance. The County shall have the right, but not the obligation to determine that the contractor is only using employees named on such list to perform work for the County. Should employees not named be utilized by contractor, 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 contractor to be in default and take such other protective measures as necessary.
- (6) Insurance policies, other than Professional Liability, shall include waivers of subrogation in favor of Pinellas County, from both the Contractor and sub-contractor(s).

<b>SECTION C - INSURANCE REQUIREMENTS</b>
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The insurance requirements 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:

(A) Workers' Compensation Insurance

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

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

Limits	
General Aggregate	\$ 2,000,000
Products/Completed Operations Aggregate	\$ 1,000,000
Personal Injury and Advertising Injury	\$ 1,000,000
Each Occurrence	\$ 1,000,000

(C) Business Automobile or Trucker's/Garage Liability Insurance covering owned, hired and non-owned vehicles. Coverage shall be on an "occurrence" basis, such insurance to include coverage for loading and unloading hazards, unless Contractor can show that this coverage exists under the Commercial General Liability policy.

Limit	
Per Accident	\$ 1,000,000

~~(D) Excess or Umbrella Liability Insurance excess of the primary coverage required, in paragraphs (A), (B), and (C) above:~~

<del>Limits</del>	
<del>General Aggregate</del>	<del>\$ XXXXXX</del>
<del>Each Occurrence</del>	<del>\$ XXXXXX</del>

(E) Professional Liability Insurance (Errors and Omissions) 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", Contractor may submit annually to the County, for a three (3) year period, a current certificate of insurance providing "claims made" insurance with prior acts coverage in force with a retroactive date no later than commencement date of this contract.

Limits	
General Aggregate	\$ 2,000,000
Each Occurrence or Claim	\$ 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.

<b>SECTION C - INSURANCE REQUIREMENTS</b>
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~~(F) Pollution Legal/Environmental Legal Liability Insurance for pollution losses arising from all services performed to comply with this contract. Coverage shall apply to sudden and gradual pollution conditions including the discharge, dispersal, release or escape of smoke, vapors, soot, fumes, acids, alkalis, toxic chemicals, liquids or gases, waste materials or other irritants, contaminants or pollutants into or upon land, the atmosphere or any watercourse or body of water, which results in Bodily Injury or Property Damage. Coverage should include and be for the at least the minimum limits listed below:~~

- ~~1) Bodily injury, sickness, disease, mental anguish or shock sustained by any person, including death; property damage including physical injury to or destruction of tangible property including the resulting loss of use thereof, clean up costs, and the loss of use of tangible property that has not been physically injured or destroyed;~~
- ~~2) Defense including costs, charges and expenses incurred in the investigation, adjustment or defense of claims for such compensation damages.~~
- ~~3) Cost of Cleanup/Remediation.~~

~~Limits~~

<del>General Aggregate</del>	<del>\$ XXXXXX</del>
<del>Each Occurrence</del>	<del>\$ XXXXXX</del>

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

~~(G) Cyber Risk Liability (Network Security/Privacy Liability) Insurance for protection of private or confidential information whether electronic or non-electronic, network security and privacy; privacy against liability for system attacks, denial or loss of service, introduction, implantation or spread of malicious software code, security breach, unauthorized access and use; including regulatory action expenses; and notification and credit monitoring expenses with at least minimum limits as follows:~~

~~Limits~~

<del>General Aggregate</del>	<del>\$ XXXXXX</del>
<del>Each Occurrence</del>	<del>\$ XXXXXX</del>

~~(H) Crime/Fidelity/Financial Institution Insurance coverage shall include Clients' Property endorsement similar or equivalent to ISO form CR 04 01 05 06, with at least minimum limits as follows:~~

~~Limits~~

<del>General Aggregate</del>	<del>\$ XXXXXX</del>
<del>Each Occurrence</del>	<del>\$ XXXXXX</del>

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

~~(J) Builders Risk/Installation Floater Insurance County property shall be covered by proof of a Builders Risk policy and/or Installation Floater policy covering the interests of Pinellas County property until acceptance of installed equipment is granted. Coverage shall be maintained for the entire time the property and/or equipment is in the Contractor's care, custody, and/or control, including transit. Limit and valuation shall be replacement cost. If the Contractor delivers the equipment and loads equipment using a crane, then no crane, boom, jig, or weight exclusion shall apply. Contractor's property, installation floater, builders risk, if required, and/or equipment policy shall contain a waiver of subrogation in favor of the County. All deductibles will be the responsibility of the contractor.~~

RFP TITLE: Professional Engineering Services SR 580 - CR 1 - Curlew and Related ADA Ramps (LAP)  
RFP # 112-0539-NC(RM) ORAL PRESENTATION

COMPANY NAME	EVALUATOR	EVALUATOR	EVALUATOR	EVALUATOR	EVALUATOR	TOTAL POINTS	TOTAL AVERAGE	RANK
	DAVID TALHOUK	KELLI LEVY	TOM WASHBURN	DENNIS SIMPSON	GREG CUTRONE			
ICON CONSULTANT GROUP, INC.	900.00	885.00	900.00	885.00	900.00	4470.00	894.00	1
DRMP, INC.	870.00	885.00	894.00	885.00	879.00	4413.00	882.60	2
BAYSIDE ENGINEERING INC.	850.00	835.00	874.00	865.00	867.00	4291.00	858.20	3

Date: April 26, 2013