

April 26, 2017

Mr. James Ennis, P.E.  
Indian River County Engineering Division  
1800 27<sup>th</sup> Street  
Vero Beach, FL 32960

**EXHIBIT C**

**Subject: Revised 2nd Fee Proposal for 58<sup>th</sup> Avenue Pavement Reclamation and Resurfacing Project – 57<sup>th</sup> Street to CR-510 (FDOT SOP FM No. 436416-1) (IRC Project No. 1325)**

Dear Mr. Ennis,

Enclosed please find our contract for the subject project ready to execute.

### Scope of Services

Project Team:

<b>Bowman Consulting Group</b>	Project Management and Civil Engineering Project Manager – Eric L. Flavell
Lassiter Transportation Group	Signalization, signing and pavement markings
Bechtol Engineering & Testing	Geotechnical Engineering, FDR section design, testing
Evers Infrastructure Group	FDR Specifications
Bowman Consulting Group	Utility research and coordination
Bowman Consulting Group	Permitting
Ground Hound Detector Services	Underground Utility Locates / soft digs

Changes to the project team will be confirmed with the County prior to any changes being made.

### SERVICES, INFORMATION AND DELIVERABLES TO BE PROVIDED BY ENGINEER

#### Preliminary Engineering

1. Engineer will attend up to two meetings with the County (Kick-off and toward the completion of this phase) to review the project, and we will prepare agenda and summary meeting notes for each meeting.

2. Engineer will review record information provided by County, anticipated to be assessor's plans, improvement plans, studies, atlases and other information that is made available
3. Engineer will assemble design criteria for the project for the County's review and approval.
4. Subsurface Utility Engineering and Utility Coordination:

Within the boundaries of the project area the Engineer will identify utility facilities and request plans from the utility owners located within the corridor in order to identify conflicts that exist between utility facilities and the proposed construction project. This task will generally consist of the following:

- a. Identify utilities: The Engineer will identify and contact Utilities within the project area that may be affected by the project. The Engineer will send Utility Verification Letters with a map or other location information showing where the work will occur. This step will involve a meeting with the utilities and could involve one site visit if deemed appropriate by the Utility.
- b. Verify facility information: After identifying which Utilities are located within the project area the Engineer will send out a letter with copies of topographic survey and preliminary design to all Utilities, requesting verification of utility locations and any concerns.
- c. Verify specific locations of subsurface utilities: The Engineer will contract with an experienced Subsurface Utility Locating provider to define detectable utilities within the project area. At the two signalized intersections being replaced, the Engineer will perform GPR reconnaissance and identify where soft digs / vacuum excavation will be used to verify the depths of buried lines. Information gathered from the subsurface utility locate work will be incorporated into the design.

Based on initial field reconnaissance the Engineer believes that soft digs / vacuum excavation will be necessary to identify the location and depth of certain utilities within the project area. The number of test pits have been identified in the schedule below:

<b>INTERSECTION</b>	<b># OF SOFT DIGS</b>	<b>UTILITIES IDENTIFIED</b>
58 <sup>TH</sup> Ave and CR 510	8	Gas, electric, water, sewer FM, reuse, fiber / telephone
58 <sup>th</sup> Ave and 69 <sup>th</sup> Street	10	Electric, water, sewer FM, reuse, fiber / telephone

This task assumes that the County will, survey locate the utilities identified by the Subsurface Utility locate but not shown on the survey provided by the County. This will include horizontal location of GPR locates, and vertical and horizontal location of soft digs. The Engineer will notify the County of the Subsurface Utility locator's schedule of work in order to assist with coordinating survey location of located utilities.

- d. Identify and resolve utility conflicts: The Engineer will provide affected Utilities with preliminary plans for review with the intent to show conflicts with existing facilities. The Engineer will, if necessary, arrange for one meeting with the affected utilities in order to determine design changes, or potential relocation of facilities by the Utility. The Engineer will meet with the County and discuss potential solutions to identified utility conflicts.
  - e. Incorporate design changes/relocations: The Engineer, using information gathered in previous steps will incorporate the design changes or utility relocations as needed to accommodate the project. At the time of preparing this proposal we have identified that a 30" waterline will need to be relocated at 69th street. We have also identified the drainage culvert at this location will need to be extended to accommodate the proposed intersection improvements. Utility relocation design is limited to these two items in this proposal.
5. Geotechnical engineer will core and bore sample existing flexible pavement section materials and underlying soils in order to identify and report existing conditions throughout the subject area. Provide 20' deep bores at 8 locations (one for each signal foundation) and provide structural design parameters for foundation design. Samples of flexible pavement section materials obtained will be utilized in laboratory testing for development of a Full Depth Reclamation mix design blend(s). Consideration will be given to admixture quantity, costs, desired structural coefficient and constructability. Final design blend(s) recommendations will be provided.
  6. Engineer will prepare Master Plan layout and preliminary design at 1" = 40' scale on 36" x 96" sheets that includes horizontal alignment of proposed improvements, and typical sections at key locations. Final product will be in AutoCAD format.

At the intersections of 58<sup>th</sup> Avenue with 69<sup>th</sup> Street, the Engineer will include conceptual intersection layouts with proposed modifications to horizontal geometry to accommodate additional vehicular use lanes, cross-walks, signal structure locations, proposed head alignments, cabinet locations, and power sources.

Limits of work:

- 58<sup>th</sup> Avenue from southerly edge 57<sup>th</sup> Street to southerly edge CR-510
7. Engineer will identify issues and conflicts that affect proposed road improvements and drainage.
  8. Engineer will develop opinion of construction cost of proposed improvements and any alternatives being considered.

9. Engineer will included field review at the start of the project that includes walking the road and photographing driveway geometry for a record of existing conditions.
10. Meeting notes will be used to memorialize decisions made throughout the design process. No summary report will be prepared.

**Deliverables:**

(1 copy) – AutoCAD Master Plan drawing of proposed improvements in digital form on CD.

**Final Design**

11. Permitting:

Prior to preparation and submittal of the necessary permit applications the Engineer will attend up to one (1) pre-application meeting, and one (1) review meeting for each agency identified below. The permit applications will be submitted to the various agencies as soon as the drawings are completed to the extent they can be submitted. Any applications requiring signature will be routed to the County for signature. The Engineer assumes all permit application fees will be paid by the County. The Engineer anticipates up to two (2) rounds of reasonable comments from each agency during the permitting review process. The Engineer will prepare and submit the following permit applications for the work within the project area:

- a. **St. John's River Water Management District (SJRWMD) Environmental Resource Permit (ERP)**

The scope assumes an Exemption will be allowed under 26-330.051 F.A.C. for the linear FDR portion of the project. The Engineer assumes that the existing roadside swale system has sufficient capacity to accommodate the increased impervious area with minor changes such as adjusting volume retained in the swales. Design and permitting of new stormwater treatment features through SJRWMD is specifically excluded from this scope.

- b. **Indian River Farms Water Control District (IRFWCD) Permit**

The Engineer anticipates that culvert extensions and replacements and possibly new culverts will be required within the IRFWCD canals within the project area. The Engineer will prepare and submit permit applications as needed to support the work within the project area.

- c. **FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities**

The Engineer will assist the County's Contractor in preparing and submitting the Notice of Intent (NOI) for the proposed project. The Engineer at this time assumes that any dewatering required for the project can occur under the terms of the Generic Permit (i.e. no contaminated site exists within 500 feet of the areas to be dewatered.)

**d. FDEP Water Distribution System Construction Permit**

The Engineer believes that the relocation of existing water mains within the project area may require FDEP Permitting.

The Engineer will coordinate review of the plans and design with the Indian River County Utilities Department (IRCUD) as part of the scope of work. A separate permit from the IRCUD is not in the scope, as this is a County directed project.

**e. FDOT Project Review Submittal**

We will prepare a 90% complete submittal for FDOT administrative and constructability review of the project. We anticipate responding to the FDOT comments along with other comments we receive from the 90% review. The incorporation of these comments will represent the 100% complete drawings.

12. We anticipate limited drainage calculations may be required for permit items a) and b) above: The project is anticipated to require minor modification (in kind realignment due to widening) to roadside swales and the installation, if required, of side drain pipes under the driveways equivalent to the nearest upstream and downstream existing side drain. Detailed drainage calculations and basin analysis to document swale capacity and side drain size are not included for work proposed on 58<sup>th</sup> Avenue. For the left turn additions at 69<sup>th</sup> Street, we will prepare calculations for submittal to SJRWMD and IRFWCD to demonstrate that the project meets applicable District Standards. The project is anticipated to utilize existing stormwater treatment systems within the right of way. This scope assumes that no new ponds or other significant drainage features will be added.
13. Engineer will attend up to one meeting during this phase at 90%. Engineer will prepare agenda and summary meeting notes for each meeting. We will also perform bi-weekly teleconferences during the course of design. These meetings and conferences will be used to address issues and to keep the County informed on progress. No meeting notes will be prepared for the teleconferences.
14. Engineer will prepare signed and sealed set of Traffic Signal Design (TSD) plans for the project intersections suitable for bidding and construction. The plans shall be prepared to FDOT and County standards and shall include luminaires on each of the structures.
15. Engineer will prepare signed and sealed set of Signing and Pavement Marking (S&PM) plans for the project intersections suitable for bidding and construction. The plans shall be prepared to FDOT and County standards.
16. Engineer will design and prepare signed and sealed set of proposed road improvements, anticipated to be, road widening, intersection upgrades, curb and gutter and sidewalk modifications, surface drainage, ADA upgrades, utility relocates, and conforms to existing pavement surface. Prepare drawings on 11' x 17" sheets. These sheets will include road, utility and drainage information. See attached drawing list.

Limits of work:

- 58<sup>th</sup> Avenue from the southerly edge of 57<sup>th</sup> Street to the southerly edge of CR-510
  - 69<sup>th</sup> Street as required for conform to intersection geometric changes estimated at 850' in each direction on 69<sup>th</sup> street
17. Engineer will incorporate General Provisions provided by the County, and prepare Special Provisions (Technical Specifications) in County Public Works Department format. In addition to the technical specifications for proposed materials and methods. Prepare unit price bid schedule with bid descriptions describing the work for each bid item. Prepare technical specifications in MS Word format.
  18. Engineer will develop one engineer's opinion of construction cost at approximately 90% milestone and make adjustments for final submittal. Cost breakdown will match the bid schedule.
  19. Perform field review of drawings to evaluate design with existing conditions.

**Deliverables:**

Drawings (90%)

(1 copy) – Full size and (3 copies) – Reduced size on bond  
Drawings (Final Plans)

Specs

(1 Copy) on bond unbound, (1 copy) on CD each submittal

Opinion of Construction Cost in Bid Schedule Format at 90% and final  
(1 Copy) on bond

**Post Design Services**

20. Attend Pre-Bid Conference
21. Engineer will respond to bidders' questions and assist with the preparation of addenda.

**Construction Services**

22. To be determined (not included in this contract)

## **SERVICES AND/OR INFORMATION TO BE PROVIDED BY County**

County will provide the following services and/or information:

1. Available record-drawings of existing surface improvements and County-owned utilities and other substructures. Access to GIS information and deliver information in electronic format if available.
2. Prepare topographic mapping suitable for drawings at 1" = 20' scale, cross sections at 50' O. C. for roads with shots that extend 25' beyond R/W, detail intersections at CR510/69<sup>th</sup>/57<sup>th</sup> suitable for 1" = 10' scale drawings and survey minimum 850' beyond returns on 69<sup>th</sup> Street, all other intersections survey minimum 100' beyond returns, survey all connecting driveways 30' beyond R/W, locate all utilities and improvements that will be impacted by improvements, station road, provide R/W and easement information suitable for preparation of layout drawings, survey horizontal locations of locate soft digs, we anticipate additional shots will be required at select locations during design and we will make every effort to bundle them.
3. Copies of County Standard Specifications and of Road Standards and associated details
4. Provide County "boiler plate front end" specifications and any State or Federal documents that are required to be incorporated into the specifications
5. MOT Plans will be provided by the County
6. Provide traffic counts and traffic speed surveys and other traffic evaluations as required for the project.
7. Confirm road typical sections, including sidewalk, road and lane widths
8. Perform timely reviews of information presented and timely responses for information requested by Engineer team
9. Print contract documents for advertising for bids

## **SPECIFIC CONTRACT EXCLUSIONS**

Specifically not included in the above scope of services or compensation are the following:

1. Engineer will not have any involvement with hazardous waste including detection, evaluation, management and cleanup.
2. Engineer will not prepare any environmental or project impact evaluations, boundary surveying for easements and acquisitions, land acquisition identification or document preparation.

3. Engineer will not perform any hydraulic or hydrology analysis. Drainage facilities that are extended or relocated will be in kind. Engineer will prepare a drainage calculations suitable for permitting as described in Scope of Services above. Drainage facilities and amenities will be FDOT standards. No structural engineering design has been included with this contract except light and signal foundations as described in Scope of Services above.
4. Construction services have not been included in this scope of services
5. MOT plans have not been included in this scope of services
6. Guide Sign Design beyond 3 street name signs
7. Traffic signal retiming
8. Lighting design
9. Design documentation beyond meeting minutes

End Scope of Services



## Project Sheet Count

DESCRIPTION	SHEET NO.	SCALE	FIRM
<b>KEY SHEET</b>	<b>G-1</b>	N/A	BCG
<b>SUMMARY OF PAY ITEMS</b>	<b>G-2</b>	N/A	BCG
<b>SUMMARY OF QUANTITIES</b>	<b>G-3</b>	N/A	BCG
<b>SUMMARY OF QUANTITIES</b>	<b>G-4</b>	N/A	BCG
<b>TYPICAL SECTIONS</b>	<b>TS-1</b>	N/A	BCG
<b>TYPICAL SECTIONS</b>	<b>TS-2</b>	N/A	BCG
<b>ROAD DETAILS</b>	<b>TS-3</b>	N/A	BCG
<b>ROAD DETAILS</b>	<b>TS-4</b>	N/A	BCG
<b>GENERAL NOTES</b>	<b>N-1</b>	N/A	BCG
<b>PROJECT LAYOUT</b>	<b>PL-1</b>	1"=100	BCG
<b>PROJECT LAYOUT</b>	<b>PL-2</b>	1"=100	BCG
<b>PROJECT LAYOUT</b>	<b>PL-3</b>	1"=100	BCG
<b>PROJECT LAYOUT</b>	<b>PL-4</b>	1"=100	BCG
<b>PROJECT LAYOUT</b>	<b>PL-5</b>	1"=100	BCG
<b>PROJECT LAYOUT</b>	<b>PL-6</b>	1"=100	BCG
<b>PROJECT LAYOUT</b>	<b>PL-7</b>	1"=100	BCG
<b>58<sup>th</sup> AVENUE IMPROVEMENTS – 57<sup>TH</sup> INTERSECTION</b>	<b>R-1</b>	1"=40'	BCG
<b>57<sup>TH</sup> STREET ROAD IMPROVEMENTS</b>	<b>R-2</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-3</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-4</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-5</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-6</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-7</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-8</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-9</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-10</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-11</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-12</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-13</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-14</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-15</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-16</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-17</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-18</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-19</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE IMPROVEMENTS – 69<sup>TH</sup> INTERSECTION</b>	<b>R-20</b>	1"=40'	BCG
<b>69<sup>TH</sup> STREET ROAD IMPROVEMENTS</b>	<b>R-21</b>	1"=40'	BCG
<b>69<sup>TH</sup> STREET ROAD IMPROVEMENTS</b>	<b>R-22</b>	1"=40'	BCG
<b>69<sup>TH</sup> STREET ROAD IMPROVEMENTS</b>	<b>R-23</b>	1"=40'	BCG
<b>69<sup>TH</sup> STREET ROAD IMPROVEMENTS</b>	<b>R-24</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-25</b>	1"=40'	BCG
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-26</b>	1"=40'	BCG

<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-27</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-28</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-29</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-30</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-31</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-32</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-33</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-34</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-35</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-36</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-37</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-38</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-39</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-40</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-41</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-42</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-43</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-44</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-45</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE ROAD IMPROVEMENTS</b>	<b>R-46</b>	<b>1"=40'</b>	<b>BCG</b>
<b>58<sup>th</sup> AVENUE IMPROVEMENTS – SR 510 INTERSECTION</b>			
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-1</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-2</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-3</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-4</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-5</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-6</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-7</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-8</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-9</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-10</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-11</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-12</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-13</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-14</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-15</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-16</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-17</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-18</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-19</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-20</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-21</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-22</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-23</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-24</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-25</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-26</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-27</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-28</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-29</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-30</b>	<b>TBD</b>	<b>BCG</b>
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-31</b>	<b>TBD</b>	<b>BCG</b>

<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-32</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-33</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-34</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-35</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-36</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-37</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-38</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-39</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-40</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-41</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-42</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-43</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-44</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-45</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-46</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-47</b>	TBD	BCG
<b>58<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-48</b>	TBD	BCG
<b>69<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-49</b>	TBD	BCG
<b>69<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-50</b>	TBD	BCG
<b>69<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-51</b>	TBD	BCG
<b>69<sup>TH</sup> AVENUE CROSSECTIONS</b>	<b>CS-52</b>	TBD	BCG
<b>DRAINAGE DETAILS</b>	<b>DD-1</b>	TBD	BCG
<b>DRAINAGE DETAILS</b>	<b>DD-2</b>	TBD	BCG
<b>STORM DRAIN PROFILES</b>	<b>DD-3</b>	TBD	BCG
<b>STORM DRAIN PROFILES</b>	<b>DD-4</b>	TBD	BCG
<b>UTILITY PROFILES</b>	<b>DD-5</b>	TBD	BCG
<b>ROADWAY SOIL SURVEY</b>	<b>GEO-1</b>	N/A	BCG
<b>ROADWAY SOIL SURVEY</b>	<b>GEO-2</b>	N/A	BCG
<b>ROADWAY SOIL SURVEY</b>	<b>GEO-3</b>	N/A	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-1</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-2</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-3</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-4</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-5</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-6</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-7</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-8</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL PLANS</b>	<b>SP-9</b>	1"=100'	BCG
<b>STORMWATER POLLUTION CONTROL DETAILS</b>	<b>SP-10</b>	N/A	BCG
<b>STORMWATER POLLUTION CONTROL DETAILS</b>	<b>SP-11</b>	N/A	BCG
<b>SIGNALIZATION</b>			
<b>58<sup>TH</sup> AVENUE KEY SHEET</b>	<b>T-1</b>	N/A	LTG
<b>SUMMARY OF PAY ITEMS</b>	<b>T-2</b>	N/A	LTG
<b>GENERAL NOTES</b>	<b>T-3</b>	N/A	LTG
<b>GENERAL NOTES</b>	<b>T-4</b>	N/A	LTG
<b>PLAN SHEET 58<sup>TH</sup> AT 69<sup>TH</sup></b>	<b>T-5</b>	1"=40'	LTG
<b>PLAN SHEET 58<sup>TH</sup> AT CR510</b>	<b>T-6</b>	1"=40'	LTG
<b>58<sup>TH</sup> AT 57<sup>TH</sup> SIGNAL DETAILS</b>	<b>T-7</b>	1"=40'	LTG

<b>58<sup>TH</sup> AT 69<sup>TH</sup> SIGNAL DETAILS</b>	<b>T-8</b>	N/A	LTG
<b>58<sup>TH</sup> AT CR 510 SIGNAL DETAILS</b>	<b>T-10</b>	N/A	LTG
<b>58<sup>TH</sup> AT 69<sup>TH</sup> SPAN WIRE TABULATION</b>	<b>T-11</b>	N/A	LTG
<b>58<sup>TH</sup> AT CR 510 SPAN WIRE TABULATION</b>	<b>T-12</b>	N/A	LTG
<b>SPECIAL DETAILS</b>	<b>T-13</b>	N/A	LTG
<b>GUIDE SIGN</b>	<b>T-14</b>	N/A	LTG
<b>GUIDE SIGN</b>	<b>T-15</b>	N/A	LTG
<b>GEOTECHNICAL SHEET</b>	<b>T-16</b>	N/A	LTG
<b>58<sup>TH</sup> AVENUE SIGNING &amp; PAVEMENT DELINEATION PLAN</b>			
<b>KEY SHEET</b>	<b>S-1</b>	N/A	LTG
<b>TAB OF QUANTITIES</b>	<b>S-2</b>	N/A	LTG
<b>TAB OF QUANTITIES</b>	<b>S-3</b>	N/A	LTG
<b>TAB OF QUANTITIES</b>	<b>S-4</b>	N/A	LTG
<b>TAB OF QUANTITIES</b>	<b>S-5</b>	N/A	LTG
<b>GENERAL NOTES</b>	<b>S-6</b>	N/A	LTG
<b>MAINLINE PLANS</b>	<b>S-7</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-8</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-9</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-10</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-11</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-12</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-13</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-14</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-15</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-16</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-17</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-18</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-19</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-20</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-21</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-22</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-23</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-24</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-25</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-26</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-27</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-28</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-29</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-30</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-31</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-32</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-33</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-34</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-35</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-36</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-37</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-38</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-39</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-40</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-41</b>	1"=40'	LTG
<b>MAINLINE PLANS</b>	<b>S-42</b>	1"=40'	LTG

<i>MAINLINE PLANS</i>	<b>S-43</b>	1"=40'	LTG
<i>MAINLINE PLANS</i>	<b>S-44</b>	1"=40'	LTG
<i>MAINLINE PLANS</i>	<b>S-45</b>	1"=40'	LTG
<i>MAINLINE PLANS</i>	<b>S-46</b>	1"=40'	LTG
<i>SIDE STREET PLANS – 57<sup>TH</sup> STREET</i>	<b>S-47</b>	1"=40'	LTG
<i>SIDE STREET PLANS – 57<sup>TH</sup> STREET</i>	<b>S-48</b>	1"=40'	LTG
<i>SIDE STREET PLANS – 69<sup>TH</sup> STREET</i>	<b>S-49</b>	1"=40'	LTG
<i>SIDE STREET PLANS – 69<sup>TH</sup> STREET</i>	<b>S-50</b>	1"=40'	LTG
<i>SIDE STREET PLANS – 69<sup>TH</sup> STREET</i>	<b>S-51</b>	1"=40'	LTG
<i>SIDE STREET PLANS – 69<sup>TH</sup> STREET</i>	<b>S-52</b>	1"=40'	LTG
<i>SIDE STREET PLANS – CR510</i>	<b>S-53</b>	1"=40'	LTG
<i>SIDE STREET PLANS – CR510</i>	<b>S-56</b>	1"=40'	LTG
<i>GUIDE SIGNS SHEETS</i>	<b>S-57</b>	N/A	LTG
<i>GUIDE SIGNS SHEETS</i>	<b>S-58</b>	N/A	LTG
<i>GUIDE SIGNS SHEETS</i>	<b>S-59</b>	N/A	LTG
<b>TOTAL</b>	<b>208</b>		

Proposed Project Schedule		
Description	Time	Total Time
<b>Preliminary Engineering</b>		
Notice to Proceed		~
Survey and Topo Mapping (by County)		Complete
Meeting (Kick-off)		
Utility Research	6 wks	6 wks
Geotechnical Evaluation	8 wks	8 wks
Layout proposed alignment and typical sections	8 wks	8 wks
Identify constraints and prepare cost estimate	2 wks	10 wks
Meeting (review constraints and costs, refine project, in-progress plans)		
Agency Review of In Progress Plans	2 wks	12 wks
<b>Final Design</b>		
Start Final Design		
Design to approximately 60% complete	12 wks	24 wks
Design to approximately 90% complete	6 wks	30 wks
Meet to review design, specs and costs		
Plan checking (FDOT, County, in-house and field)	5 wks	35 wks
Address comments and complete deliver final bid documents	4 wks	39 wks
		<b>9 mo</b>

Fees

Consultant Cost Summary	
Consultant	Amount
Bowman Consulting Group	\$ 206,546
Lassiter Transportation Group	\$ 129,560
Bechtol Engineering and Testing	\$ 50,360
Evers Infrastructure Group	\$ 3,000
Ground Hound Detection Services	\$ 8,280
<b>Total</b>	<b>\$ 397,746</b>

Sincerely,  
BOWMAN CONSULTING GROUP, LTD.



Erik Juliano, PE, PSM  
Branch Manager

Indian River County hereby accepts all terms and conditions of this Proposal (including the Standard Terms and Conditions) and authorizes BCG to proceed with the Project.

By: \_\_\_\_\_

(Signature)

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_