

Indian River Boulevard (4th Street - 17th Street)

GEOTECHNICAL SERVICES WORK ORDER 13

This Work Order Number 13 is entered into as of this ____ day of _____, 2025, pursuant to that certain Continuing Contract Agreement, dated January 9, 2024, ("Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and ANDERSEN ANDRE CONSULTING ENGINEERS, INC. ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the mutually agreed upon lump sum or maximum amount not-to-exceed professional fee. Any additional costs must be approved in writing, and at a rate not to exceed the prices set forth in Exhibit B of the Agreement (Rate Schedule) for RFQ 2023061, made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit A (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT: ANDERSEN ANDRE CONSULTING
ENGINEERS, INC.

By: _____

Name: _____

Title: _____

BOARD OF COUNTY COMMISSIONERS OF
INDIAN RIVER COUNTY:

By: _____

Joseph E. Flescher, Chairman

BCC Approval Date: _____

By: _____

John A. Titkanich, Jr., County Administrator

Approved as to Form and Legal Sufficiency:

By: _____

Jennifer W. Shuler, County Attorney

Ryan L. Butler, Clerk of Court and Comptroller

Attest: _____

Deputy Clerk

(SEAL)



Indian River County Engineering Department
1801 27th Street, Building 'A'
Vero Beach, Florida 32960

Attention: Mr. Richard Reichenbach, P.E.
Project Engineer

Subject: PROPOSAL FOR LIMITED VERIFICATION TESTING (VT)
INDIAN RIVER BLVD. PEDESTRIAN & BICYCLE ACCESS IMPROVEMENTS
IRC PROJECT NO. IRC-1817
FDOT FM NO. 444269-1-54-01
INDIAN RIVER COUNTY, FLORIDA

As requested, Andersen Andre Consulting Engineers, Inc. (AACE) is pleased to present this cost estimate for limited construction materials testing services relative to the above-referenced County project. Based on our review of the Contract Plans for the project prepared by Kimley Horn (dated October 2024), we understand that the project consists of improvements to approximately 1.7 miles of Indian River Boulevard. The construction duration is 640 days.

Based on our cursory review of the plans, the project entails roadway widening, milling-and-resurfacing, sidewalk construction and significant drainage improvements. We understand that the selected contractor will retain the services of a testing firm to provide Quality Control (QC) services; the purpose of our involvement will be to serve in a "reduced scope" Verification Testing (VT) capacity. As requested by the County, AACE will provide limited testing services on an "on-call" basis.

Based upon our understanding of the project plans and our prior experience with projects similar to this one, we estimate the cost of the services will be approximately \$55,605.00. The actual cost of AACE's testing services will be a function of work actually performed in accordance with the attached unit fee schedule (in accordance with the continuing service contract between Indian River County and AACE, Contract #2023061). Contractor efficiency, methodology and changes in testing frequencies may affect the testing cost. We will notify you in advance if it appears that the cost estimate will be exceeded.

To authorize us to proceed with this project, please execute and return to us a copy of the attached Professional Services Agreement form or a Purchase Order number. If you have any questions or if we can provide any additional information, please feel free to contact us at your convenience.

Best Regards,
ANDERSEN ANDRE CONSULTING ENGINEERS, INC.

David P. Andre, P.E.
Principal Engineer

Peter G. Andersen, P.E.
Principal Engineer

Hourly and Testing Charges:

Due to the limited number of density tests that will likely be performed during each visit to the project site by an AACE Engineering Technician, we propose to staff this project on an hourly basis, billing portal-to-portal. Man-hour and testing estimates provided below were provided by the Client.

Engineering Technician (Billed hourly - daytime & week day work only):

- 400 hours @ \$68.00/hour..... \$27,200.00

Professional/Administrative Man-hours (Engineering Consultations, Limited Progress Meetings, Reporting, etc.):

We have assumed that no data entry into a density log book or into the FDOT's M.A.C. system will be required of AACE.

- Principal Engineer: 60 hours @ \$150.00/hour..... \$9,000.00
- Technical Secretary; 40 hours @ \$55.00/hour..... \$2,200.00

Soil Laboratory Testing:

- Moisture/Density Relationship (Proctor) Testing: 10 tests @ \$95.00/test..... \$950.00
- LBR Testing (Stabilized Subgrade, Base Rock); 8 tests @ \$325.00/test..... \$2,600.00
- Organic Content Testing; 20 tests @ \$40.00/test..... \$800.00
- Wash Sieve Analysis (1 inch to No. 200); 20 tests @ \$105.00/test..... \$2,100.00
- Atterberg Limits Testing; 10 tests @ \$98.00/test..... \$980.00

Limited Asphalt Testing (no coring or paving inspections included):

- Asphalt Laboratory Monitoring (Assume 1 nighttime paving event @ 10 hours/event);
 - Senior Transportation/Roadway Technician; 10 hours @ \$90.00/hour x 1.5 (nighttime rate)..... \$1,350.00
- Asphalt Content and Extraction/Gradation Testing (sampled hot); 6 samples @ \$225.00/sample..... \$1,350.00
- Senior Transportation/Roadway Technician
 - (Bulk sample collection & prep); 30 hours @ \$90.00/hour x 1.5 (nighttime rate)..... \$4,050.00
- Snr. Project Engineer; 15 hours @ \$135.00/hour..... \$2,025.00

Concrete Testing:

- Compressive Strength Testing of Concrete (sidewalks, medians, curbing, etc.)
 - 10 sets of concrete specimens @ \$100.00/set..... \$1,000.00

Anticipated Project Cost..... \$55,605.00

TERMS AND CONDITIONS

- (1) Unit rates apply to standard working days, Monday through Friday, 7:00 a.m to 6:00 p.m. Testing and hourly rates will be increased by 50% for weekend, holiday or after-hours services (i.e., services performed before 7:00 am or after 7:00 pm). Our man-hour rates as presented herein are based on day-time testing only. No allowances for nighttime work are reflected in our fee.
- (2) The contractor (or County personnel) should contact Andersen Andre Consulting Engineers, Inc. at (772) 807-9191 a minimum of 24 hours prior to any testing and 48 hours prior to weekend and evening work.
- (3) If our testing estimate for a specific work element is insufficient for that particular activity, resources from another work element can be used without prior authorization from the client as long as our total cost estimate is not exceeded. We will notify you in advance if it appears that the cost estimate presented in the attached unit fee schedule will be exceeded.
- (4) AACE has not been provided with the selected Contractor's proposed schedule. Therefore, man-hours and associated testing quantities are based on our experience with similar projects. It is possible that our testing budget may require revision based on contractor efficiency, methodology and scheduling.
- (5) Soil sample and concrete cylinder pickup for laboratory testing (e.g., Proctor, LBR testing, compressive strength, etc.) will be billed at \$68.00/hour if not scheduled with other work.
- (6) Our services do not include reviewing, monitoring or reporting any aspect of the required Maintenance of Traffic (M.O.T.) that may be required for this project.
- (7) AACE's field technicians and engineers do not direct or witness the performance of any work. Neither the presence of an AACE representative on-site nor the observation and testing performed by our firm implies AACE's responsibility for defects discovered in the construction work.
- (8) AACE will not be responsible for job or site safety for this project; job site safety will be the sole responsibility of the contractor.
- (9) AACE will not have stop-work authority. Should our representatives encounter materials or workmanship that, either based on direct testing or on our experience with similar projects, does not appear to meet the engineering plans and specifications, we will notify Indian River County immediately. Results will not be relayed to the Contractor without prior consent of the County.
- (10) We understand that an FDOT Earthwork/Density Log Book will be prepared for the project by the QC firm; AACE will not be required to prepare the log book, nor will AACE be required to enter test results into either the log book or the Materials Acceptance and Certification (MAC) System.

ANDERSEN ANDRE CONSULTING ENGINEERS, INC.

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