

**PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY**

---

<b>Meeting Date:</b>	June 6, 2017	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
		<input type="checkbox"/> Workshop	<input type="checkbox"/> Public Hearing

---

**Department:** Engineering & Public Works Department  
**Submitted By:** Engineering & Public Works Department  
**Submitted For:** Roadway Production Division

---

**I. EXECUTIVE BRIEF**

**Motion and Title: Staff recommends motion to approve:** Supplement No. 1 (Supplement) with AE Engineering, Inc. (AEE) to Project Contract in the amount of \$1,587,922.22, for construction engineering and inspection (CEI) services for the bridge rehabilitation of Camino Real Road/Boca Club Bridge over the Intracoastal Waterway (Project).

**SUMMARY:** On September 7, 2016, AEE was selected through the consultant selection process to provide CEI services for the Camino Real Bridge over the Intracoastal Waterway project. It was then decided that it would be advantageous to divide the CEI services contract into two phases due to the complexities of the project. Phase 1, the original contract, was for a constructability/bidability review of the plans to identify any potential problems prior to bidding the project for construction. Under the County’s Purchasing Code and Countywide PPM CWF-050, the County Engineer had the authority to execute the original contract, due to the value. The contract was later received and filed by the Board in R-2017-0222. The amount expended for Phase 1 was \$23,732.18. No problems with the design plans were identified. Under PPM CWF-050, the Board needs to approve this supplement, since it exceeds the authority of the County Engineer and the Contract Review Committee. Approval of this supplement for Phase 2 will allow AEE to provide the remaining CEI services needed for the project. These services include contractor oversight and project administration throughout the duration of the construction phase. The Small Business Enterprise (SBE) goal for all contracts is 15%. AEE has committed to 3% SBE participation and has proposed 3.09% SBE participation for this supplement. No firms committed to Palm Beach County’s (County) SBE goal. The SBE participation for Phase 1 was 0%. AEE is a Palm Beach County based company. District 4 (LBH)


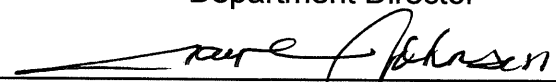
**Background and Justification:** On September 7, 2016, the Consultant's Competitive Negotiations Act Selection Committee selected AEE and, in accordance with PPM No. CW-O-048, the Board of County Commissioners (BCC) was notified of the selection on September 8, 2016. The County now desires AEE to provide Phase 2 of the CEI services necessary for the project. The fee, as detailed in Exhibit “A” of the attached contract, has been negotiated as just and reasonable compensation as follows:

Basic Services (Lump Sum) Closeout).	\$ 966,243.91	(Pre-Construction, Construction,
Reimbursable Expenses (Not to Exceed)	\$ <u>621,678.31</u>	(Construction Engineering and Inspection, Architectural, Bridge Inspection, Historical Preservation).
Total:	\$1,587,922.22	

After reviewing the attached contract and finding it in proper order, the Engineering Department recommends BCC approval.

- Attachments:**
1. Location Map
  2. Contract with Exhibits “A”, “B”, “C”, “D” and Certificate of Insurance (2)
  3. Schedule

=====

Recommended by: <u></u>	<u>5/11/17</u>
Department Director	Date
Approved By: <u></u>	<u>5/18/17</u>
Assistant County Administrator	Date

**II. FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

Fiscal Years	2017	2018	2019	2020	2021
Capital Expenditures	<u>\$2,223,103</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Operating Costs	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
External Revenues	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Program Income (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
In-Kind Match (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
<b>NET FISCAL IMPACT</b>	<u><b>\$2,223,103</b></u>	<u><b>-0-</b></u>	<u><b>-0-</b></u>	<u><b>-0-</b></u>	<u><b>-0-</b></u>
# ADDITIONAL FTE					
POSITIONS (Cumulative)					

Is Item Included in Current Budget?      Yes   X      No

**Budget Account No:**

Fund 3500    Dept 361    Unit 1449    Object 6505

**Recommended Sources of Funds/Summary of Fiscal Impact:**

Transportation Improvement Fund  
Camino Real Rd/Boca Club Bridge over the ICWW

Basic Services	\$ 966,243.91
Reimbursable Services	\$ 621,678.31
Optional Services	\$ .00
	<u>\$1,587,922.22</u>
Staff Costs	
-Roadway Production	\$ 317,585.00
-Right of Way	\$ 79,400.00
-Survey Section	\$ 79,400.00
-Traffic	\$ 158,795.00
	<u>\$2,223,102.22</u>
FISCAL IMPACT	

**C. Departmental Fiscal Review:**

*Alicia Koolman*

**III. REVIEW COMMENTS**

**A. OFMB Fiscal and/or Contract Dev. and Control Comments:**

*[Signature]* 4/27/17  
OFMB  
4/26/17

*[Signature]* 5/15/17  
Contract Dev. and Control  
5/15/17

**B. Approved as to Form and Legal Sufficiency:**

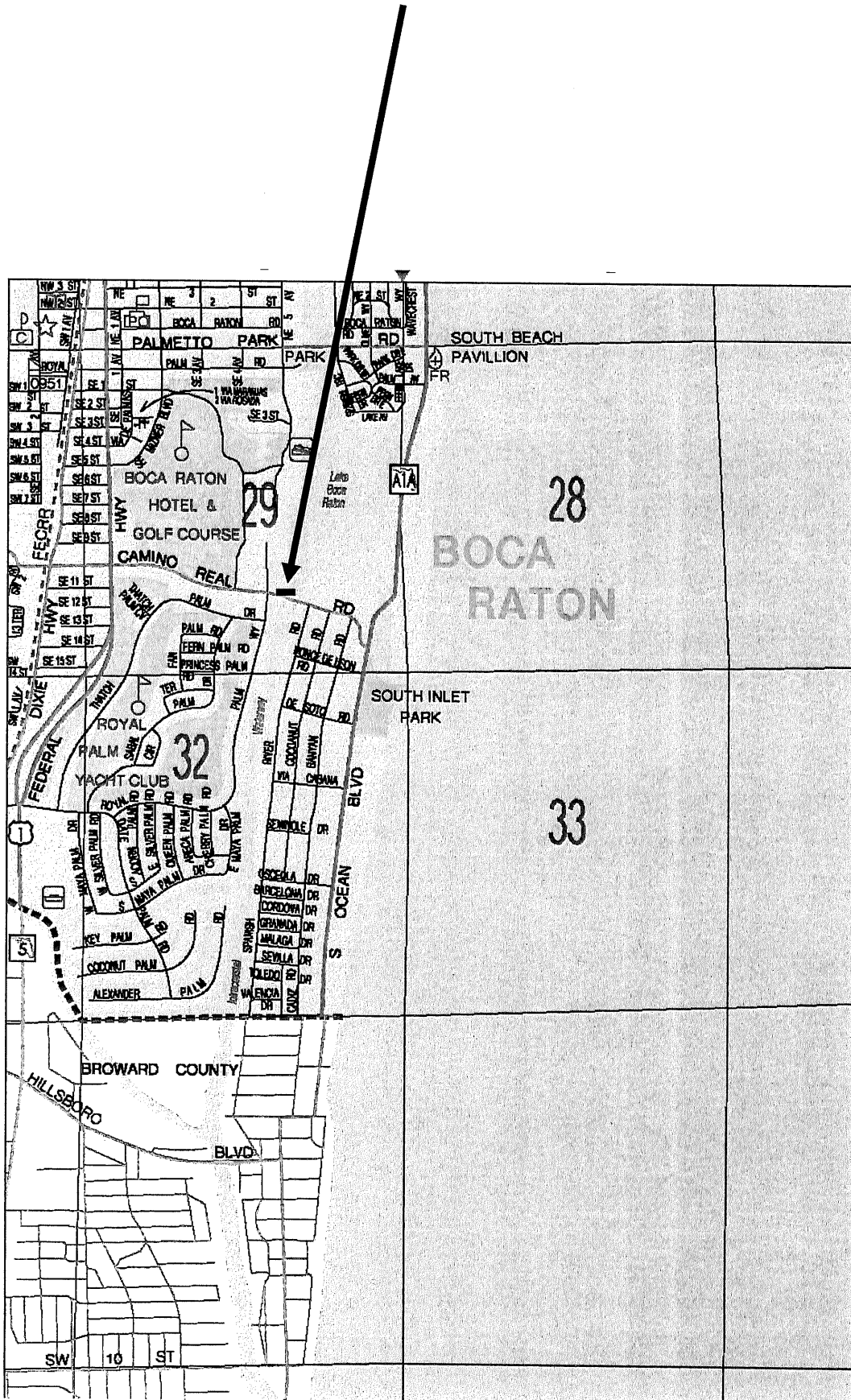
*[Signature]*  
Assistant County Attorney  
5/18

**C. Other Department Review:**

\_\_\_\_\_  
Department Director

**This summary is not to be used as a basis for payment.**

**CEI FOR BRIDGE REHABILITATION OF  
CAMINO REAL ROAD / BOCA CLUB BRIDGE  
OVER INTRACOASTAL WATERWAY  
PALM BEACH COUNTY PROJECT NO. 2003501**



**LOCATION MAP**

**SUPPLEMENT NO. 1 BETWEEN**  
**PALM BEACH COUNTY**  
**AND**  
**AE ENGINEERING, INC.**  
**FOR PROFESSIONAL ENGINEERING SERVICES ON**  
**CEI FOR BRIDGE REHABILITATION OF CAMINO REAL ROAD / BOCA CLUB**  
**BRIDGE OVER INTRACOASTAL WATERWAY**  
**PROJECT NO.: 2003501**  
**PALM BEACH COUNTY, FLORIDA**

**THIS SUPPLEMENT No. 1**, made and entered into this day of \_\_\_\_\_ 2017, by and between **Palm Beach County (COUNTY)**, a Political Subdivision of the State of Florida, by and through its Board of County Commissioners, and, **AE Engineering, Inc.**, a Florida Corporation with an address of **9180 Silver Glen Way, Lake Worth, Florida 33467**, hereinafter **CONSULTANT**.

**WITNESSETH**

**WHEREAS**, the **COUNTY** and **CONSULTANT** entered into a Project Contract dated **December 15, 2016 (R2017-0222)**, to provide professional engineering CEI services for the construction of the bridge rehabilitation of Camino Real Road / Boca Club Bridge over Intracoastal Waterway, Palm Beach County, Florida (hereinafter **PROJECT**); and.

**WHEREAS**, the **COUNTY** now desires for the **CONSULTANT** to provide **CEI services** for the **PROJECT**; and

**WHEREAS**, the following fee has been negotiated as just and reasonable compensation for these professional services to be performed by the **CONSULTANT**:

**RE: CEI FOR BRIDGE REHABILITATION OF CAMINO REAL ROAD / BOCA CLUB  
BRIDGE OVER INTRACOASTAL WATERWAY  
Project No. 2003501**

Basic Services in a lump sum fee of **\$966,243.91**;

Reimbursable Services (Not to Exceed) \$621,678.31;

**Totaling \$1,587,922.22**

**NOW, THEREFORE, THIS INDENTURE WITNESSETH:** That for and in consideration of the mutual benefits to flow from each to the other, the parties hereto agree as follows:

1. The **CONSULTANT** agrees to provide professional services as described in Exhibit "A" of this Supplement known as "SCOPE OF WORK & FEE".
2. The **CONSULTANT** agrees to "CERTIFICATION" statements as described in Exhibit "B" of this Supplement.
3. The **CONSULTANT** agrees to Small Business Enterprise (SBE) Participation, described in Exhibit "C" of this Supplement.
4. The **CONSULTANT** has provided a sub-consultant Letter of Intent to perform as an SBE as described in Exhibit "D" of this Supplement.
5. The **COUNTY** agrees to pay the **CONSULTANT** a fee of One Million Five Hundred Eighty-Seven Thousand Nine Hundred Twenty-Two Dollars and Twenty-Two Cents (\$1,587,922.22).

Except as hereby amended, changed or modified, all other terms and conditions of the original Contract dated **December 15, 2016 (R2017-0222)**, and;

Supplements and Amendments thereto, shall remain in full force and effect.

**RE: CEI FOR BRIDGE REHABILITATION OF CAMINO REAL ROAD / BOCA CLUB  
BRIDGE OVER INTRACOASTAL WATERWAY  
Project No. 2003501**

IN WITNESS WHEREOF, the parties hereto have made and executed this Supplement as of the day and year first above written.

OWNER:

**Palm Beach County, Florida, a  
Political Subdivision of the  
State of Florida**

BOARD OF COUNTY COMMISSIONERS

BY: \_\_\_\_\_  
Paulette Burdick, Mayor

ATTEST:  
Sharon R. Bock, Clerk & Comptroller  
Circuit Court

BY: \_\_\_\_\_  
Deputy Clerk

SEAL

APPROVED AS TO TERMS  
AND CONDITIONS:

BY: *Ornela A. Fernandez*

APPROVED AS TO FORM & LEGAL  
SUFFICIENCY:

\_\_\_\_\_  
County Attorney

CONSULTANT:

**AE Engineering, Inc.  
a Florida Corporation**

BY: *Alex Echeverria*  
Alex Echeverria, P.E.,  
President

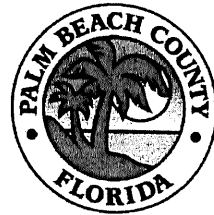
CORPORATE SEAL

WITNESS:  
BY: *Sandra F. Shea*

Sandra F. Shea  
(Printed Name)

BY: *Kim Fichte*

Kim Fichte  
(Printed Name)



PALM BEACH COUNTY  
PBC Project No.: 2003501

*Andrea M. Depina*  
3/28/2017  
OK *Kulsh* 3/29/17 *AS*

Scope of Work Construction Engineering and  
Inspection Services Bridge Rehabilitation of  
Camino Real/Boca Club Bridge over Intercoastal  
Waterway  
Supplement 1

Scope of Work Construction Engineering and  
Inspection Services

**TABLE OF CONTENTS**

1. PURPOSE:.....3

2. SCOPE:.....3

3. LENGTH OF SERVICES:.....3

4. ITEMS TO BE FURNISHED BY THE COUNTY TO THE CONSULTANT:.....4

5. ITEMS FURNISHED BY THE CONSULTANT: .....4

    5.1 DOCUMENTS.....4

    5.2 OFFICE AUTOMATION:.....4

    5.3 FIELD OFFICE:.....5

    5.4 VEHICLES: .....5

    5.5 FIELD EQUIPMENT:.....5

    5.6 LICENSING FOR EQUIPMENT OPERATIONS: .....6

6. LIAISON RESPONSIBILITY OF THE CONSULTANT:.....6

7. REQUIREMENTS:.....6

    7.1 GENERAL:.....6

    7.2 SURVEY CONTROL:.....7

    7.3 ON-SITE INSPECTION:.....7

    7.4 SHOP INSPECTION:.....7

    7.5 ENGINEERING SERVICES:.....7

8. SERVICES OUTLINE PER TASK .....9

    8.1 PRE-CONSTRUCTION.....9

    8.2 CONSTRUCTION.....9

    8.3 PROJECT CLOSE OUT .....12

9. STAFFING:.....13

10. CERTIFICATION OF FINAL ESTIMATES: .....13

    10.1 FINAL ESTIMATE AND AS-BUILT PLANS SUBMITTAL: .....13

    10.2 CERTIFICATION: .....14

    10.3 OFFER OF FINAL PAYMENT:.....14

11. AGREEMENT MANAGEMENT: .....14

    11.1 GENERAL:.....14

12. SUBCONSULTANT SERVICES .....15

13. OTHER SERVICES: .....15

14. POST CONSTRUCTION CLAIMS REVIEW: .....15



## **CONSTRUCTION ENGINEERING AND INSPECTION SERVICES**

### **1. PURPOSE:**

The scope of services describes and defines the Construction Engineering and Inspection (CEI) Services which are required for contract administration, inspection and materials sampling for the construction project listed below.

### **2. SCOPE:**

The Consultant shall be responsible for providing services as defined herein, applicable Palm Beach County Manuals, procedure and referenced Florida Department of Transportation (FDOT) Documents.

The Project for which the services are required are:

Bridge Rehabilitation of Camino Real/Boca Club Bridge over Intercostal Waterway; Bridge No: 934408; County Project No: 2003501

The Consultant will provide CEI Services that include contractor oversight and project administration throughout the duration of the construction phase. Specifically, these services are comprised of, but not limited to, the following activities:

- Provide contract administration and advocacy on behalf of the county.
- Act as liaison between the County, Contractor, and Engineer of Record.
- Provide certified inspection and documentation of the contractor's work.
- Process monthly pay estimates/perform quantities verification.
- Expeditiously handle requests for information and change orders.
- Remove/minimize restrictions, where practical, to the contractor's operations.
- Review/accept the contractor's schedules and updates.
- Suggest methods to reduce construction duration.
- Provide public information coordination services throughout construction.
- Provide field inspectors to monitor quality assurance/quality control plan procedures and adherence.
- Monitor construction sequencing, methods and phased implementation.
- Monitor and provide recommendation to minimize critical path activities (i.e. utility relocation, maintenance of traffic/temporary pavement, coordinate lane closures and detours with the contractor, demolition, site work/mitigation).

### **3. LENGTH OF SERVICES:**

The Consultant Services for this Construction Contract shall begin upon written notification to proceed by the County.

The Consultant's Senior Project Engineer will track the execution of the Construction Contract such that the Consultant is given timely authorization to begin work. While no personnel shall be assigned until written notification by the County has been issued, the Consultant shall be ready to assign personnel within two weeks of notification. For the duration of the project, coordinate closely with the County and Contractor to minimize rescheduling of Consultant activities due to construction delays or changes in scheduling of Contractor activities.

The anticipated letting schedules and construction times for the projects are tabulated below:

Construction Contract Estimate			
Project ID	Letting Date (Mo/Day/Yr)	Start Date (Mo/Day/Yr)	Duration (Days)
2003501	TBD	TBD	486

**4. ITEMS TO BE FURNISHED BY THE COUNTY TO THE CONSULTANT:**

The County will furnish the following Construction Contract documents for the project after the NTP is issued. These documents may be provided in either paper or electronic format.

1. Construction Plans
2. Specification Package
3. Copy of the Executed Construction Contract, and
4. Utility Agency’s Approved Material List (if applicable).
5. Design Computation Book (s)
6. Standard forms and letters required by the County for construction contract management and contract administration that are not accessible through the County’s website.

**5. ITEMS FURNISHED BY THE CONSULTANT:**

**5.1 Documents**

All documents, directives, procedures and standard forms are available through Palm Beach County Internet Website, Florida Department of Transportation Internet website, or the Florida Department of Transportation Maps and Publication Office shall be obtained by the Consultant from the applicable website.

**5.2 Office Automation:**

Consultant shall provide all software and hardware necessary to efficiently and effectively carry out the responsibilities under this scope of services. Provide each management and inspection staff with a laptop computer (or tablet) using the compatible software for word processing and spreadsheets, also connection using a mobile broadband connection at the jobsite.

All informational, contractual and other business required for this project will be through a system of paperless electronic means. When the specifications require a written submission of documentation, such documents must be submitted electronically.

All documents requiring a signature must be executed electronically by both parties in accordance with Chapter 668, Florida Statutes, and have the same force and effect as a written signature. The County will provide a web-based collaboration site to facilitate the electronic document exchange. All persons requiring access to the

collaboration site shall be identified during the preconstruction conference. All persons that normally sign paper documents, and will be using the site, must acquire digital signature certificates.

Ownership and possession of computer equipment and related software, which is provided by the Consultant, shall remain at all times with the Consultant.

The Consultant shall retain responsibility for risk of loss or damage to said equipment during performance of this scope of services.

**5.3 Field Office:**

The County Construction Project Manager's/Consultant/ CEI's Field Offices/Trailers will be included in the Construction Contract as per day pay items. The Contractor shall obtain all necessary permits and certificates of occupancy for setting up the field office and making utility connections to city, county, or local facilities, and the cost of such permits shall be included in the pay items for construction field offices. The field office will provide sufficient room and furnishings to effectively carry out their responsibilities of the Construction Contract. The Field office shall be approved by the County.

Field Office expenses will be compensated in accordance with the construction contract. Routine expenses, other than that are the responsibility of the contractor, for operation of the office, such as stamps, postage cost, telephone services will be responsibility of consultant and included as reimbursable.

**5.4 Vehicles:**

Vehicles will be equipped with appropriate safety equipment and must be able to effectively carry out requirements of this Agreement. Vehicles shall have the name and phone number of the consulting firm visibly displayed on both sides of the vehicle.

**5.5 Field Equipment:**

The Consultant will supply inspection, and testing equipment essential to perform services under this scope of services; such equipment includes non-consumable and non-expendable items, which are needed for CEI projects.

Hard hats shall have the name of the consulting firm visibly displayed.

Equipment described herein and expendable materials under this scope of services will remain the property of the Consultant and shall be removed at completion of the work.

Consultants handling of nuclear density gauges shall be in compliance with their license.

Retain responsibility for risk of loss or damage to said equipment during performance of this scope of services. Field office equipment shall be maintained and in operational condition at all times.

**5.6 Licensing for Equipment Operations:**

The Consultant will be responsible for obtaining the proper licenses for equipment and personnel operating equipment when licenses are required. The consultant shall make the license and supporting documents available for verification by the County, upon request.

Radioactive Materials License for use of Surface Moisture Density Gauges shall be obtained through the State of Florida Department of Health.

Administrative duties relating to invoice approval requests, personnel approval requests, time extension request, and supplemental amendments requests shall be reviewed and approved by the County Construction Project Manager.

**6. LIAISON RESPONSIBILITY OF THE CONSULTANT:**

The Consultant shall keep the County Construction Project Manager informed of all significant activities, decisions, correspondence, reports, and other communications related to its responsibilities under this scope of service. The Consultant shall seek input from the County Construction Project Manager in order for the County Construction Project Manager to oversee the Consultant's performance.

Administrative items relating to Invoice Approval, Personnel Approval, Time Extensions, and Supplemental Amendments to the County Construction Project Manager for review and approval.

**7. REQUIREMENTS:**

**7.1 General:**

It shall be the responsibility of the Consultant to administer, monitor, and inspect the Construction Contract such that the project is constructed in reasonable conformity with the plans, specifications, and special provisions for the Construction Contract.

The Consultant shall observe, monitor and inspect the Contractor's work to determine the progress and quality of work, identify discrepancies, report significant discrepancies to the County, and direct the Contractor to correct such observed discrepancies, in compliance with the contract.

If the Consultant identifies a condition that will require an amendment to the Construction Contract, the Consultant Senior Project Engineer will communicate the need to the County Construction Project Manager for an approval in concept. Once an approval in concept is received, the Consultant shall prepare and submit the amendment request, and all accompanying documentation to the County's Construction Project Manager for approval and further processing. The content and format of the amendment or change order request and accompanying documentation shall be in accordance with the instruction and

format to be approved by the County.

The Consultant shall advise the County of any significant omissions, substitutions, defects, and deficiencies noted in the work of the Contractor and the corrective action that has been directed to be performed by the Contractor. Work provided by the Consultant shall not relieve the contractor of responsibility for the satisfactory performance of the Construction Contract.

**7.2 Survey Control:**

Survey control shall be the responsibility of the Contractor, and is not part of the scope of services. The Consultant shall perform verification survey, as needed.

**7.3 On-site Inspection:**

The Consultant shall monitor the Contractor's on-site construction activities and inspect materials entering into the work in accordance with the plans, specifications, and special provisions for the Construction Contract to determine that the projects are constructed in reasonable conformity with such documents. The Consultant will make necessary arrangements to monitor all off-site activities and fabrication that require monitoring at the recommendation of the Consultant and the direction of the County. The Consultant shall keep detailed accurate records of the Contractor's daily operations and of significant events that affect the work.

**7.4 Shop Inspection:**

The Consultant shall perform shop inspection as required throughout the construction duration. The Consultant is responsible to establish a local Fabrication Inspection team to perform inspections as the fabrication site (location to be determined).

**7.5 Engineering Services:**

Services shall include maintaining the required level of surveillance of Contractor activities, interpreting plans, specifications, and special provisions for the Construction Contract. Maintain complete, accurate records of all activities and events relating to the project and properly document all project changes. The following services shall be performed:

- (1) Verify that the Contractor is conducting inspections, preparing reports and monitoring all storm water pollution prevention measures associated with the project. For each project that requires the use of the NPDES General Permit, provide at least one inspector who has successfully completed the "Florida Stormwater, Erosion, and Sedimentation Control Training and Certification Program for Inspectors and Contractors". The Consultant's inspector will be familiar with the requirements set forth in the FEDERAL REGISTER, Vol. 57, No. 187, Friday, September 5, 1992, pages 4412 to 4435 "Final NPDES General Permits for Storm Water

Discharges from Construction Sites" and the Department's guidelines.

- (2) Analyze the Contractor's schedule(s) (i.e. baseline(s), revised baseline(s), updates, as-built, etc.) for compliance with the contract documents. Elements including, but not limited to, completeness, logic, durations, activity, flow, milestone dates, concurrency, resource allotment, and delays will be reviewed. Verify the schedule conforms with the construction phasing and MOT sequences, including all contract modifications. Provide a written review of the schedule identifying significant omissions, improbable or unreasonable activity durations, errors in logic, and any other concerns.
- (3) Review Contractor's Two Week Look Ahead schedule as submitted by the Contractor and confirm compliance with approved CPM Construction Progress Schedule.
- (4) Review and Analyze the Contractor's CPM Progress Schedule as submitted by the Contractor and conform compliance with approved CPM Construction Progress Schedule.
- (5) Analyze problems that arise on a project and proposals submitted by the Contractor; work to resolve such issues, and process the necessary paperwork.
- (6) Monitor, inspect and document utility relocation self-performed by the contractor for conformance with Utility Agency's Standards and the Utility Agency's Approved Materials List. Document utility construction progress to be performed by Utility Agencies. Facilitate coordination and communication between Utility Agency's representatives, County's staff and Contractors executing the work. Identify potential utility conflicts and assist in the resolution of utility issues including County and local government owned facilities.
- (7) Produce reports, verify quantity calculations and field measure for payment purposes as needed to prevent delays in Contractor operations and to facilitate prompt processing of such information in order for the County to make timely payment to the Contractor.
- (8) Prepare and submit to the County's Construction Project Manager monthly, a Construction Status Reporting System (CSRS) report, in a format to be provided by the County.
- (9) Consultant shall be responsible for evaluating and monitoring the Contractors' Quality Control (QC) Plan submitted by the Contractor for control, testing and acceptance of materials in accordance with the Specification. The Consultant shall review the initial QC Plan and make recommendations to the County to either accept the Contractors submitted QC Plan or provide written comments to the contractor that lists the deficiencies so the Contractor may make additional and/or corrections to the plan to facilitate the re-submittal of an acceptable QC Plan. The Contractor is responsible for providing a QC Plan acceptable

to the County and the Consultant. After the contractor has obtained acceptance of the QC Plan from the County and the Consultant, the Consultant shall monitor the Contractor's compliance with the QC Plan. If at any time the Consultant determines that the Contractor is not in compliance with the accepted QC Plan, the Consultant shall notify the Contractor in writing of the noted deficiencies. Should the Contractor fail to take immediate corrective action, the Consultant shall disapprove the Contractor's QC Plan. The Consultant shall then provide a written statement to the Contractor that describes what actions are necessary for reinstatement of the QC Plan.

- (10) Video tape the pre-construction conditions throughout the project limits. Provide a digital photo log or video of project activities, with heavy emphasis on potential claim items/issues and on areas of real/potential public controversy.
- (11) Provide a digital camera for photographic documentation of pre-construction state and of noteworthy incidents or events during construction.

These photographs will be filed and maintained on the Consultant's computer using a digital photo management system.

Photographs shall be taken the day prior to the start of construction and continue as needed throughout the project, and to be provided to Palm Beach County on a monthly basis. Photographs shall be taken the days of Conditional, Partial and Final Acceptance.

## 8. SERVICES OUTLINE PER TASK

### 8.1 Pre-Construction

#### Description:

- A. Attend the preconstruction meeting record, create and distribute the meeting minutes
- B. Distribute Palm Beach County specific contract requirements and any EEO or data collections required to begin the construction Phase

#### Deliverable:

Monthly report and form package (Include copies of all reports and logs generated, documents received from the contractor forms that may be applicable or the work done during the preceding month, meeting minutes and comments and approvals of any reviewed documents.)

**Performance Measure:** Deliverables will be reviewed by the Project Manager to confirm they are complete, accurate, and timely.

### 8.2 Construction

#### Description:

- A. From Pre Construction meeting to substantial Completion Perform Site Visits to observe construction progress resulting in monthly site/progress logs, which report to the owner

such data as the time of arrival, observations regarding construction progress and/or contractor or subcontractor performance, photo of progress and /or concerns, and time of departure.

- Schedule of values review/comments.
- Contractor Procurement and Delivery Schedule review and comment.
- Documentation that Structural elements are from an FDOT approved source
- Documentation that Mechanical elements are procured/tested at an FDOT approved source
- Documentation that all Electrical elements are procured/tested at an FDOT approved source
- Ensure concrete is produced from a FDOT certified plant, per FDOT Specifications.
- Documentation that asphalt is produced from FDOT certified plant, per FDOT Specification.
- Documentation of all Straight Edge tests.
- Weekly density log books for earthwork, backfill, around bridge, drainage piping, etc.
- Weekly density log book for Proctors and soil classifications.
- Collect asphalt tickets with all noted items
- Verify and collect all results from Contractor field test.
- Perform functional checkout for Electrical and Mechanical elements

**B. Generation of reports, which may include, but not limited to:**

- NPDES Reports.
- Building Permits and water management district permit monitoring reports.
- Maintenance of Traffic Reports.
- Change request report.

**C. Conduct/attend meeting relative to project. Which may include, but not limited to:**

- Value Engineering Meeting
- Preconstruction Meeting.



- Biweekly- monitoring meeting regarding the contractors schedule and progress.
- Conduct site inspections and generate report and photographic log of the work in progress. Inspections may include, but not limited to:
  - Periodic and continuous inspections of the project as the work being performed to ensure contractor's compliance with the project plans, permits and specifications.
  - Inspect the project's site layout survey prior to demolition or clearing operation.
  - Inspect the auger cast pile installations to ensure we exceed pile integrity testing requirements.
  - Inspect and Coordinate with Utility owners for all associated utilities within project limits, whether protecting existing utility lines or installing new.
  - Inspect the preparation of the sub base materials, obtain all test results, direct the contractor to perform additional test as needed, if the area is in question.
  - Inspect installation of the base materials; verify the materials origin (from an FDOT approved source). Obtain all test results; perform additional tests as needed, if the areas are in question.
  - Inspect paving operations, verify the material origins (from an FDOT approved source), and obtain all test results.
  - Inspect paving operation, according to FDOT Standards.
  - Inspect installation of sod, landscaping seed, and mulch, railing, fences, signage as applicable in the contract documents.
- D. Collect/review documentation for processing contractors pay applications, which may include but not limited to:
  - Compile contractor invoices and review to confirm adequate support is received for quantities paid and ensure that invoice amounts match construction activities to date.
  - Provide photographs for each pay request to documents complete work (2 copies of CD's).
- E. Perform structural engineering services for the structural reviews and plant inspections for a prefabricated steel members. Engineering services will include analysis per AASHTO LRFD and FDOT Standard Specifications for Road and Bridge Construction Section 962.
- F. Perform new structural steel coatings plant inspections and ensure the use of approved materials per the FDOT Specifications 560, APL and Section 975. Ensure that the proposed shop is certified by AISC or by SSPC as required by specifications. Ensure transport/storage of material is in conformance with manufacturer's recommendation.

Ensure all existing structural steel coatings in conformance with FDOT Specifications 562.

- G. Perform Mechanical Engineering Services for Mechanical elements and plant testing reviews for all machinery, traffic light, traffic gates, generator, barrier gates, span locks, reducer and drive train per FDOT Specifications,
- H. Perform all Electrical Engineering services for Electrical elements to include conduit, wiring, junction boxes, CCTV, lighting protection, lighting. Also complete integration requirements for the Motor Controller Control (MCC) Panel and Programmable logic controller to control span locks, traffic gate assemblies, span drive units, span motors and drive enclosures, control console and brakes.
- I. Perform architectural and building criteria reviews and analysis for bridge tender house improvements to include interior finishes, plumbing, electrical and exterior finishes.

**Deliverable:**

Monthly report and form package (Include copies of all reports and logs generated, documents received from the contractor forms that may be applicable or the work done during the preceding month, meeting minutes and comments and approvals of any reviewed documents.)

**Performance Measure:** Deliverables will be reviewed by the County to confirm they are complete, accurate, and timely.

**8.3 Project Close Out**

**Description:**

- A. Collect forms and data from the contractor relative to the project completion. Forms and data may include, but not limited to:
  - o Document functional checkout process for mechanical, electrical and systems elements
  - o Review contractor provided final measure items on the as-built plans.
  - o Provide project statement certifying materials on the project upon completion.
  - o Statement of Materials Certifications, with documentation that all deficiencies have been addressed.
  - o Assessment and explanation of liquidated damages (State number of days and assessments with amount per day totals).
  - o Certify as-built drawings submitted by the contractor.
  - o Close-out the associated water management district permits.
  - o Close-out of project environmental local permits.
  - o Obtain DEP/USCG Substantial completion and final completion forms.

- B. Collect forms and data from the contractor relative to project completion for project closeout. Forms and data may include, but may not be limited to:
- Signalization & Lighting Items.
  - Locate on as-built plans- track changes on as built.
  - Coordinate inspection and approval by appropriate maintaining agency.
  - Coordinate proper transfer to maintaining agency.
  - Striping/Pavement Marking/Signing.
  - Retro-reflectivity reading certification, FDOT Form No: 700-050-70.
  - Project Closeout.
  - Provide final estimates of quantities.
  - Provide documentation of coordination with PBC maintenance unit for punch list inspection.

**Deliverable:**

- Project functional checkout – Mechanical, Electrical and Systems
- Final Inspection and Project Close Out Package

**Performance Measure:** Deliverables will be reviewed by the County to confirm they are complete, accurate, and timely.

**9. STAFFING:**

Once authorized, the Consultant shall establish and maintain appropriate staffing throughout the duration of construction and completion of the final estimate. Responsible personnel, thoroughly familiar with all aspects of construction and final measurements of the various pay items, shall be available to resolve disputed final pay quantities until this Construction Contract has been accepted as complete.

Construction engineering and inspection forces will be required of the Consultant while the Contractor is working. If Contractor operations are substantially reduced or suspended, the Consultant will reduce its staff appropriately.

In the event that the suspension of Contractor operations requires the removal of Consultant forces from the project, the Consultant will be allowed ten (10) days maximum to demobilize, relocate, or terminate such forces.

**10. CERTIFICATION OF FINAL ESTIMATES:**

**10.1 Final Estimate and As-Built Plans Submittal:**

The Consultant shall prepare documentation and project construction records

in compliance with the Consultants' approved QA Plan, and the County's Procedures. The Consultant shall submit the Final Estimate(s) and one (1) set of final "as-built plans" documenting the Contractor's work within thirty (30) calendar days of Final Acceptance of the Project.

Revisions to the Certified Final Estimate will be made at no additional cost to the County.

**10.2 Certification:**

Consultant personnel preparing the Certified Final Estimate Package shall be CTQP Final Estimates Level II.

Duly authorized representative of the Consultant firm will provide a notarized certification on a form pursuant to County's procedures.

**10.3 Offer of Final Payment:**

The Consultant shall prepare the offer of Final Payment package in a format that is acceptable to the County. The Package shall accompany the Certified Final Estimates Package submitted to the County for review. The Consultant shall be responsible for forwarding the Offer of Final Payment Package to the Contractor.

**11. AGREEMENT MANAGEMENT:**

**11.1 General:**

- (1) With each monthly invoice submittal, the Consultant Sr. Project Engineer will provide a reviewed and approved Status Report for the agreement. This report will provide the Consultant Sr. Project Engineer accounting of the additional agreement calendar days allowed to date, an estimate of the additional calendar days anticipated to be added to the original schedule time, an estimate of the Agreement completion date, and an estimate of the Consultant funds expiration date per the Agreement schedule for the prime Consultant and for each subconsultant.
- (2) When the Consultant identifies a condition that will require a Supplement to the Agreement, the Consultant Sr. Project Engineer will communicate this need to the County's Construction Project Manager for an approved concept. Once received, the Consultant shall prepare and submit the Supplement and all accompanying documentation to the County's Construction Project Manager for approval and further processing.
- (3) The Consultant Sr. Project Engineer for the project is responsible for performing follow-up activities to determine the status of each Amendment Request submitted to the County.

**12. SUBCONSULTANT SERVICES**

Upon written approval by the County Construction Project, and prior to performance of work, the Consultant may subcontract for additional services, including but not limited to, engineering inspection, materials testing, or specialize professional services.

**13. OTHER SERVICES:**

Upon written authorization by the County. The Consultant will perform additional services in connection with the project not otherwise identified in this Agreement. The following items are not included as part of this Agreement, but may be required by the County to supplement the Consultant services under this Agreement.

- A. Assist in preparing for arbitration hearings or litigation that occurs during the Agreement time in connection with the construction project covered by this Agreement.
- B. Provide qualified engineering witnesses and exhibits for arbitration hearings or litigation in connection with the Agreement.
- C. Provide inspection services in addition to those provided for in this Agreement.
- D. Provide services determined necessary for the successful completion and closure of the Construction Contract.

**14. POST CONSTRUCTION CLAIMS REVIEW:**

In the event the Contractor submits a claim for additional compensation and/or time after the Consultant has completed this Agreement, analyze the claim, engage in negotiations leading to settlement of the claim, and prepare and process the required documentation to close out the claim. Compensation for such services will be negotiated and effected through a Supplemental Amendment to this Agreement or a new agreement, in accordance with the hourly rates defined herein.



AE Engineering Inc.  
 Construction Engineering and Inspection Services for Bridge Rehabilitation of Camino Real/Boca Club Bridge over Intercoastal Waterway  
 PBC Project No: 2003501

1- Pre- Construction

AE Engineering Inc.	Hours	Raw Rate	Multiplier	Burden Rate	Cost
CEI Sr. Project Engineer	✓ 16.00	\$ 70.97	✓ 2.71	\$ 192.33	\$ 3,077.26
CEI Project Administrator, Bridge	✓ 85.00	\$ 48.72	2.71	\$ 132.03	\$ 11,222.65
CEI Contract Support Specialist	✓ 85.00	\$ 35.10	2.71	\$ 95.12	\$ 8,085.29
<b>Not to exceed</b>					\$ 22,385.20

2 - Construction

AE Engineering Inc.	Hours	Raw Rate	Multiplier	Burden Rate	Cost
CEI Sr. Project Manager	✓ 140.25	\$ 76.76	✓ 2.71	\$ 208.02	\$ 29,174.75
CEI Sr. Project Engineer	✓ 694.00	\$ 70.97	2.71	\$ 192.33	\$ 133,476.12
CEI Project Administrator, Bridge	✓ 2286.00	\$ 48.72	2.71	\$ 132.03	\$ 301,823.33
CEI Contract Support Specialist	✓ 1799.25	\$ 35.10	2.71	\$ 95.12	\$ 171,146.46
CEI Sr. Inspector	✓ 2376.00	\$ 31.45	2.71	\$ 85.23	\$ 202,505.29
Senior Environmental Specialist (Coating)	✓ 120.00	\$ 45.49	2.71	\$ 123.28	\$ 14,793.35
CEI Bridge Inspector (Coatings)	✓ 924.00	\$ 24.76	2.71	\$ 67.10	\$ 62,000.03
<b>Not to exceed</b>					\$ 914,919.33

3- Closeout

AE Engineering Inc.	Hours	Raw Rate	Multiplier	Burden Rate	Cost
CEI Sr. Project Engineer	✓ 30.00	\$ 70.97	✓ 2.71	\$ 192.33	\$ 5,769.86
CEI Project Administrator, Bridge	✓ 102.00	\$ 48.72	2.71	\$ 132.03	\$ 13,467.18
CEI Contract Support Specialist	✓ 102.00	\$ 35.10	2.71	\$ 95.12	\$ 9,702.34
<b>Not to exceed</b>					\$ 28,939.38

RS&H, Inc.

RS&H, Inc.	Hours	Raw Rate	Multiplier	Burden Rate	Cost
CEI Sr. Brg Inspector	✓ 1237.50	\$ 31.12	2.57	\$ 79.98	\$ 98,973.27
<b>Not to exceed</b>					\$ 98,973.27

Transystems Corporation Consultants

Transystems Corporation Consultants	Hours	Raw Rate	Multiplier	Burden Rate	Cost
Sr. Structural Engineer	✓ 181.00	\$ 62.50	✓ 2.75	\$ 171.88	\$ 31,109.38
Structural Engineer	✓ 258.00	\$ 38.46	2.75	\$ 105.77	\$ 27,287.37
Sr. Electrical Engineer	✓ 276.00	\$ 86.28	2.75	\$ 237.27	\$ 65,486.52
Electrical Engineer	✓ 537.00	\$ 44.25	2.75	\$ 121.69	\$ 65,346.19
Sr. Mechanical Engineer	✓ 334.00	\$ 70.75	2.75	\$ 194.56	\$ 64,983.88
Mechanical Engineer	✓ 696.00	\$ 51.50	2.75	\$ 141.63	\$ 98,571.00
<b>Subtotal</b>					\$ 352,784.34
<b>Reimbursable (off-site inspection)</b>					\$ 13,850.10
<b>Not to exceed</b>					\$ 366,634.44

Baker Klein Engineering PL

Baker Klein Engineering PL	Hours	Raw Rate	Multiplier	Burden Rate	Cost
Sr. Structural Engineer - Historical Preservation	✓ 145.00	\$ 62.50	✓ 3.00	\$ 187.50	\$ 27,187.50
Structural Engineer - Historical Preservation	✓ 190.00	\$ 38.46	3.00	\$ 115.38	\$ 21,922.20
<b>Not to exceed</b>					\$ 49,109.70

**Reimbursable (Deliverables)** \$ 106,960.90

**TOTAL AMOUNT** \$ 1,587,922.22

Fee Computation

Activity	CEI Sr. Project Manager		CEI Sr. Project Engineer		CEI Project Administrator, Bridge		CEI Contract Support Specialist		CEI Sr. Inspector		Senior Environmental Specialist (Coating)		CEI Bridge Inspector (Coatings)		Staff Hours Activity	Cost by Activity
	Staff Hours	Hr. Rate	Staff Hours	Hr. Rate	Staff Hours	Hr. Rate	Staff Hours	Hr. Rate	Staff Hours	Hr. Rate	Staff Hours	Hr. Rate	Staff Hours	Hr. Rate		
1- Pre- Construction	0.00	\$ -	16.00	\$ 70.97	85.00	\$ 48.72	85.00	\$ 35.10	0.00	\$ -	0.00	\$ -	0.00	\$ -	186.00	\$ 8,260.22
2 - Construction	140.25	\$ 76.76	694.00	\$ 70.97	2286.00	\$ 48.72	1799.25	\$ 35.10	2376.00	\$ 31.45	120.00	\$ 45.49	924.00	\$ 24.76	8339.50	\$ 337,608.61
3- Closeout	0.00	\$ -	30.00	\$ 70.97	102.00	\$ 48.72	102.00	\$ 35.10	0.00	\$ -	0.00	\$ -	0.00	\$ -	234.00	\$ 10,678.74
<b>Total</b>	140.25	76.76	740.00	70.97	2473.00	48.72	1986.25	35.10	2376.00	31.45	120.00	45.49	924.00	24.76	8759.50	\$ 356,547.57

\$10,765.59 \$52,517.80 \$120,484.56 \$69,717.38 \$74,725.20 \$5,458.80 \$22,878.24

FEE CALCULATION

TOTAL ACTIVITY SALARY COST		\$ 356,547.57
OVERHEAD PLUS OPERATING MARGIN		
SUBTOTAL SALARY & OVERHEAD) LUMP SUM	2.71	\$ 966,243.91
<b>SUBTOTAL (LUMP SUM)</b>		<b>\$ 966,243.91</b>

REIMBURSABLES (SUBCONSULTANTS)

RS&H, Inc.	\$ 98,973.27
Transystems Corporation Consultants	\$ 366,634.44
Baker Klein Engineering PL	\$ 49,109.70

See attached sheet list of anticipated deliverables.

**SUBTOTAL AE Engineering Inc. Reimbursable (Deliverables)** \$ 106,960.90

**TOTAL CONTACT AMOUNT** \$ 1,587,922.22

\$ 1,587,922.22

<b>REIMBURSABLE ( ANTICIPATED DELIVERABLES)</b>	<b>CEI Sr. Project Manager</b>		<b>CEI Project Administrator, Bridge</b>		<b>CEI Contract Support Specialist</b>		<b>CEI Sr. Inspector</b>	
	Staff Hours	Hr. Burden Rate	Staff Hours	Hr. Burden Rate	Staff Hours	Hr. Rate	Staff Hours	Hr. Burden Rate
Daily assessment report of installations by discipline per contract applicable standards and Specifications and Special provisions for Roadway, Electrical, Mechanical, Structural, Building & utilities	0		15		20		50	
Miscellaneous earthwork testing reports	0		15		20		50	
Miscellaneous Asphalt testing reports	0		0		20		50	
Daily inspections report for environmental compliance	0		0		20		26	
Daily inspections report for MOT compliance ( Including but not limited to USCG permit requirements)	0		15		10		52	
Daily inspection and tracking of existing Bridge components	0		0		6		12	
Video/Photo documentation of ongoing operations	0		40		0		0	
Project Administrator weekly construction report	20		0		0		0	
Resident Engineer Monthly construction report	0		20		30		0	
Submittals reviews	20		10		12		0	
Shop drawings reviews	20		10		10		0	
Repair procedures reviews	20		15		10		0	
Bolt tensioning inspections and report	8		8		20		50	
Bridge Balance report reviews (Including daily assessment of contractor tracking)	4		1		20		50	
Shop Inspection reports (fabrication & manufacturing acceptance)	4		8		20		50	
CEI coordination with stakeholders	2		8		0		0	
Public Information assistance	0		0		0		0	
Test and Inspections as required per 455 (Special Provisions for foundations and piles )	1		10		0		0	
Span Drives and Span locks assemblies inspections for erection and testing (TSP 468) as required for:	1		10		0		0	
Alignment inspection report	1		10		0		0	
Functionality report	1		10		0		0	
Mechanical performance Inspection	0		0		0		0	
Bridge Functional test reports (TSP 465):	1		6		0		0	
Preliminary Checkout reports	1		6		0		0	
Functional Test reports	1		6		0		0	
Operational Reports	0		3		0		0	
Bridge commissioning of new controls and electrical testing (TSP 508)	5		2		0		0	
CEI Engineer certification for Florida Building code compliance (TSP 512)	110	\$ 208.02	228	\$ 132.03	218	\$ 95.12	390	\$ 85.23
<b>Total Hours</b>	110		228		218		390	
<b>Sub-Total amount</b>	\$ 22,882.20		\$ 30,102.84		\$ 20,736.16		\$ 33,239.70	

**Total Reimbursable Amount \$ 106,960.90**

2.71 multiplier





3125 W. Commercial Blvd  
Ft Lauderdale, Florida

Exhibit "A" – Page 19 of 26

Attn. Rod Myrick  
3000 NE 30<sup>th</sup> Place  
Fort Lauderdale, Florida 33306

Subject: **Scope of Services for Camino Real**  
Attn. Rod Myrick

Below is the position and the related scope for the Camino Real project. In addition, the man hours are based on an estimated contract duration of 9 months.

Senior Inspector:

The role of the Senior Bridge Inspector under this scope of services is to perform inspection and materials sampling and testing for the project. As part of this work, the senior inspector will monitor the Contractor's on-site construction activities and inspect materials entering into the work in accordance with the plans, specifications, and special provisions for the Construction Contract. This will be done to determine that the project is constructed in reasonable conformity with such documents. The senior inspector will photo-document and maintain detailed and accurate site-source records of the Contractor's daily operations and of significant events that affect the work

Estimated Hours: 1237.5

Please let me know if you have any questions.

Sincerely

Jacki Hart, PE  
SE area manager/Sr. Project Engineer



RS&H

Construction Engineering and Inspection Services for Bridge Rehabilitation of Camino Real/Boca Club Bridge over Intercostal Waterway  
PBC Project No: 2003501

RS&H, Inc.	Hours	Raw Rate	Multiplier	Burden Rate	Cost
CEI Sr. Brg Inspector	1237.5	\$ 31.12	2.57	\$ 79.98	\$ 98,973.27
<i>Not to exceed</i>					\$ 98,973.27



**TranSystems**

2400 E. Commercial Blvd.  
Suite 1000  
Fort Lauderdale, FL 33308  
Tel 954 653-4700  
Fax 954 567-2511

[www.transystems.com](http://www.transystems.com)

Wednesday, February 15, 2017

Roderick Myrick, PE  
Vice President/Sr. Project Engineer  
Email: [rod@aeengineeringinc.com](mailto:rod@aeengineeringinc.com)

RE: PALM BEACH COUNTY  
PBC Project No.: 2003501  
Construction Engineering and Inspection Services Bridge Rehabilitation of Camino Real/Boca Club Bridge  
over Intercostal Waterway

PHASE II  
Scope of Work – Construction Engineering and Inspection Services

Dear Mr. Myrick,

It is our great pleasure to submit our proposal, Scope of Work, and Staffing for the subject project and tasks. The Scope of Work for this Contract is to provide Construction Engineering Inspection services for the Bridge Rehabilitation of Camino Real/Boca Club over Intracoastal Waterway.

**1.0 PURPOSE:**

This scope of services describes and defines the Construction Engineering and Inspection (CEI) services which are required of **TranSystems Corporation D/B/A TranSystems Corporation Consultants (TranSystems)** for inspection for the construction projects listed below. TranSystems responsibilities are limited to the mechanical, electrical, and structural components of the bascule span and Tender House Construction. Any reference to the "Project" in this document refers only to those components.

**2.0 SCOPE:**

TranSystems will be responsible for providing services as defined herein, applicable Palm Beach County Manuals, procedure and referenced Florida Department of Transportation (FDOT) Documents.

The Project for which the services are required are:

Bridge Rehabilitation of Camino Real/Boca Club Bridge over Intercostal Waterway; Bridge No: 934408; County Project No: 2003501

Exercise independent professional judgment in performing obligations and responsibilities under this Agreement. Pursuant to Section 4.1.4 of the Construction Project Administration Manual (CPAM), the authority of TranSystems' lead person, such as the Senior Project Engineer, and the TranSystems' Project Administrator shall be identical to the County's Resident Engineer and Project Administrator respectively and shall be interpreted as such.

**3.0 LIAISON RESPONSIBILITY OF TRANSYSTEMS:**

**TranSystems**

2400 E. Commercial Blvd.  
Suite 1000  
Fort Lauderdale, FL 33308  
Tel 954 653-4700  
Fax 954 567-2511

[www.transystems.com](http://www.transystems.com)

For the duration of the Agreement, keep the County's Construction Project Manager in Responsible Charge informed of all significant activities, decisions, correspondence, reports, and other communications related to its responsibilities under this Agreement. Facilitate communications between all parties (i.e. architectural, mechanical, materials, landscaping, local agencies, etc.) ensuring responses and resolutions are provided in a timely manner. Maintain accurate records to document the communication process.

**4.0 REQUIREMENTS OF TRANSYSTEMS:**

**4.1 General:**

TranSystems shall inspect the mechanical, electrical, and structural components of the bascule span and Tender House Construction Contract such that the project is constructed in reasonable conformity with the plans, specifications, and special provisions for the Construction Contract.

Observe the Contractor's work to determine the progress and quality of work. Identify discrepancies, report significant discrepancies to the County, and direct the Contractor to correct such observed discrepancies. Seek input from the Construction Project Manager relating to all Supplemental Agreement requests. Consult with the Construction Project Manager as necessary and direct all issues, which exceed delegated authority to the Construction Project Manager for the County action or direction. Inform the Construction Project Manager of any significant omissions, substitutions, defects, and deficiencies noted in the work of the Contractor and the corrective action that has been directed to be performed by the Contractor.

**4.2 On and Off site Inspection:**

Monitor the Contractor's on & off site construction activities and inspect materials entering into the work in accordance with the plans, specifications, and special provisions for the Construction Contract to determine that the projects are constructed in reasonable conformity with such documents. Maintain detailed accurate records of the Contractor's daily operations and of significant events that affect the work.

Off-Site Inspection (Deliverables and Reimbursable):

- Ensure all steel members are shop Inspected and accepted at manufacturing facility as applicable per FDOT Spec 460 guidelines
- Ensure all mechanical members are shop tested as applicable per TSP 468 (Including and not limited to Approved Shop testing procedure for Span locks. Also when applicable for T468-2.1.2 Castings / T468-2.1.3 Forgings / T468-2.1.4 Welding)
- Motor, Chopper, resistor and drive factory Design Proof Shop Test (T508-6.3)
- Adjustable Speed Drive Shop Test (T508-6.3.1)
- Control System Shop Testing per T508-7.4.4 (Fully Functional for CP-1, CP-2 UPS, MCC, ASD and navigation lights interfaces)
- Travel and expense for all off-site inspection

**4.3 Engineering Services:**

Services shall include maintaining the required level of surveillance of Contractor activities, interpreting plans, specifications, and special provisions for the Construction Contract. Maintain complete, accurate records of all activities and events relating to the project and properly document all project changes. The following services shall be performed:

- 4.3.1 Attend a pre-service meeting for the Agreement in accordance with CPAM. Provide appropriate staff to attend and participate in the pre-service meeting.
- 4.3.2 Analyze the Contractor's mechanical and electrical equipment schedule(s) (i.e. baseline(s), revised baseline(s), updates, as-built, etc.) for compliance with the contract

**Exhibit "A" – Page 23 of 26**  
**TranSystems**

2400 E. Commercial Blvd.  
 Suite 1000  
 Fort Lauderdale, FL 33308  
 Tel 954 653-4700  
 Fax 954 567-2511

[www.transystems.com](http://www.transystems.com)

documents. Elements including, but not limited to, completeness, logic, durations, activity, flow, milestone dates, concurrency, resource allotment, and delays will be reviewed. Provide a written review of the schedule identifying significant omissions, improbable or unreasonable activity durations, errors in logic, and any other concerns as detailed in CPAM.

- 4.3.3 Analyze problems that arise on the project and proposals submitted by the Contractor; and work to resolve such issues.
- 4.3.4 Produce reports, verify quantity calculations and field measure for payment purposes as needed to prevent delays in Contractor operations and to facilitate prompt processing of such information in order for the county to make timely payment to the Contractor.
- 4.3.5 Prepare and make presentations for meetings and hearings before the Dispute Review Boards in connection with the project covered by this Agreement.

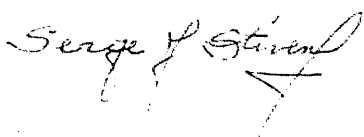
Provide a digital camera for photographic documentation of pre-construction state and of noteworthy incidents or events during construction. These photographs will be filed and maintained on TranSystems's computer using a Digital Photo Management system, and a copy will be provided to Palm Beach County for their records. Photographs shall be taken the day prior to the start of construction and continue as needed throughout the project. Photographs shall be taken the days of Conditional, Partial and Final Acceptance.

Transystems Corporation Consultants		Hours	Raw Rate	Multiplier	Burden Rate	Cost
Sr. Structural Engineer		✓ 181.00	\$ 62.50	✓ 2.75	\$ 171.88	\$ 31,109.38
Structural Engineer		✓ 258.00	\$ 38.46	2.75	\$ 105.77	\$ 27,287.37
Sr. Electrical Engineer		✓ 276.00	\$ 86.28	2.75	\$ 237.27	\$ 65,486.52
Electrical Engineer		✓ 537.00	\$ 44.25	2.75	\$ 121.69	\$ 65,346.19
Sr. Mechanical Engineer		✓ 334.00	\$ 70.75	2.75	\$ 194.56	\$ 64,983.88
Mechanical Engineer		✓ 696.00	\$ 51.50	2.75	\$ 141.63	\$ 98,571.00
<b>Subtotal</b>						\$ 352,784.34
<b>Reimbursable (off-site inspection)</b>						\$ 13,850.10
<b>Not to exceed</b>						\$ 366,634.44

→ 2.75 multiplier

We trust that you will find our proposal satisfactory. Please feel free to contact our office if you have any questions regarding the above.

Very truly yours,  
 TranSystems Corporation d/b/a TranSystems Corporation Consultants



Serge J Stiven, P.E., Assistant Vice President  
 Senior Professional

Cc: File

**TRANSYSTEMS REIMBURSABLE Off Site Inspection)**

Ensure all steel members are shop Inspected and accepted at manufacturing facility as applicable per FDOT Spec 460 guidelines

Ensure all mechanical members are shop tested as applicable per TSP 468 (Including and not limited to Approved Shop testing procedure for Span locks. Also when applicable for T468-2.1.2 Castings / T468-2.1.3 Forgings / T468-2.1.4 Welding)

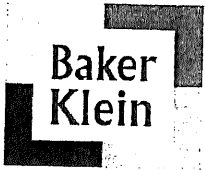
Adjustable Speed Drive Shop Test (T508-6.3.1)

Control System Shop Testing per T508-7.4.4 (Fully Functional for CP-1, CP-2 UPS, MCC, ASD and navigation lights interfaces)

Motor, Chopper, resistor and drive factory Design Proof Shop Test (T508-6.3)

	Sr. Structural Engineer		Sr. Electrical Engineer		Sr. Mechanical Engineer	
	Staff Hours	Hr. Burden Rate	Staff Hours	Hr. Burden Rate	Staff Hours	Hr. Rate
	6		0		0	
	6		7		0	
	0		7		8	
			8		8	
	0		8		8	
<b>Total Hours</b>	✓ 12	✓ \$ 171.88	✓ 30	✓ \$ 237.27	✓ 24	✓ \$ 194.56
<b>Sub-Total amount</b>	\$ 2,062.56		\$ 7,118.10		\$ 4,669.44	
<b>Total Reimbursable Amount</b>	\$ 13,850.10					

~ 2.75 multiplier



Wednesday, February 15, 2017

Ms. Wanda Cordoba, Office Manager

AE Engineering

Re: El Camino Real Bridge CEI Services

Dear Mrs. Cordoba:

Thank you for including us to be a part of your team for the above-referenced project. We look forward to providing you our expertise on the structural and structural historical preservation portion of the structure.

Our services will include not only the review of applicable Palm Beach County Manuals and Florida Department of Transportation Manuals and Documents, but also the verification of materials to be used for historical restoration/renovation. Baker Klein will assist as a liaison between AE Engineering and the County as AE requests, and will provide certified inspection and documentation of the contractors work to verify that the materials, products, etc. used during construction are in compliance with the plans and specifications for historical purposes as outline in the construction documents. In addition to structural inspections and observations, we will verify visible products that add historical value and significance to the bridge shall be observed and verified in accordance with the 1930's design and shall include but not be limited to the following:

- Architectural items of historical significance (handrails, tender house, roofing, windows, trim, shingles etc.)
- Structural items of historical significance (i.e. concrete, steel, bolts, rivets, etc.)

An initial site visit prior to construction is required by our firm. A final set of design documents and specifications as well as any historical reports prepared by the architect or approved by the State of Florida Historical Review Board or local historical district are required to be provided to us prior to our initial site visit.

We estimate that the following fees will be required for our structural historic engineering services:

Title	Hours	Raw Rate	Multiplier	Burden Rate	Costs
Sr. Structural Engineer (Historical Preservation)	✓ 145.0	✓ \$62.50	✓ 3.00	✓ \$187.50	✓ \$27,187.50
Structural Engineer (Historical Preservation)	✓ 190.0	✓ \$38.46	✓ 3.00	✓ \$115.38	✓ \$21,922.20
<b>TOTAL (NOT TO EXCEED)</b>					✓ \$ 49,109.70

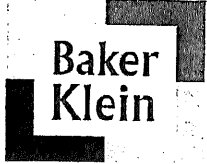


Exhibit "A" – Page 26 of 26

Should you need additional information or have questions, please feel free to contact me at 904-219-8148 or 904-356-8520.

Sincerely,

A handwritten signature in black ink, appearing to read "Tanara G. Baker". The signature is fluid and cursive, written over the word "Sincerely,".

Tanara G. Baker, P.E., S.I., C.B.C.

Structural Engineer

License Number 60000



**CERTIFICATION STATEMENTS**

Exhibit "B" – Page 1 of 4

**Project:** CEI for Bridge Rehabilitation of Camino Real Road / Boca Club Bridge over Intracoastal Waterway

**Project No.:** 2003501

**Consultant/Annual Consultant:** AE Engineering, Inc.

**TRUTH-IN-NEGOTIATION STATEMENT**

By entering into this Contract, the **CONSULTANT/ANNUAL CONSULTANT** certifies that the wage rates and costs used to determine the lump sum fees contained in herein are accurate, complete and current as of the date of this Contract.

The said lump sum fees shall be adjusted to exclude any significant sums should the **COUNTY** determine that the lump sum fees were increased due to inaccurate, incomplete or non-current wage rates or due to inaccurate representations of fees paid to outside consultants.

The **COUNTY** shall exercise its right under this "Certificate" within one year following final payment.

**PROHIBITION AGAINST CONTINGENT FEES STATEMENT**

By entering into this Contract the **CONSULTANT/ANNUAL CONSULTANT** warrants that they have not employed or retained any company or person other than a bonafide employee working solely for the **CONSULTANT/ANNUAL CONSULTANT** to solicit or secure this Contract and that they have not paid or agreed to pay any person, company, corporation, individual or firm other than a bonafide employee working solely for the **CONSULTANT/ANNUAL CONSULTANT**, any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award of making of this Contract.

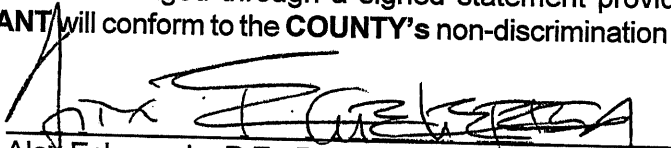
**PUBLIC ENTITY CRIMES STATEMENT**

As provided in F.S. 287.132-133, by entering this Contract or performing any work in furtherance hereof, the **CONSULTANT/ANNUAL CONSULTANT** certifies that it, its affiliates, suppliers, sub-contractors and consultants who will perform hereunder, have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within the 36 months immediately preceding the date hereof. This notice is required by F.S. 287.133 (3) (a).

**NON-DISCRIMINATION STATEMENT**

The **CONSULTANT/ANNUAL CONSULTANT** warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status, familial status, sexual orientation, gender identity and expression, or genetic information pursuant to Palm Beach County Resolution R-2014-1421, as may be amended.

**CONSULTANT/ANNUAL CONSULTANT** has submitted to the **COUNTY** a copy of its non-discrimination policy which is consistent with the above paragraph, as contained in Resolution R-2014-1421, as amended, or in the alternative, if the **CONSULTANT/ANNUAL CONSULTANT** does not have a written non-discrimination policy or one that conforms to the **COUNTY**'s policy, it has acknowledged through a signed statement provided to **COUNTY** that **CONSULTANT/ANNUAL CONSULTANT** will conform to the **COUNTY**'s non-discrimination policy as provided in R-2014-1421, as amended.

  
Alex Echeverria, P.E., President

**CONFLICT OF INTEREST DISCLOSURE FORM**

Exhibit "B" – Page 2 of 4

**Project:** CEI for Bridge Rehabilitation of Camino Real Road / Boca Club Bridge over Intracoastal Waterway  
**Project No.:** 2003501

CONSULTANT/ANNUAL CONSULTANT represents that it presently has no interest, either direct or indirect, which would or could conflict in any manner with the performance of services for the County, except as follows:

\_\_\_\_\_  
\_\_\_\_\_

(Attach additional sheets as needed.)

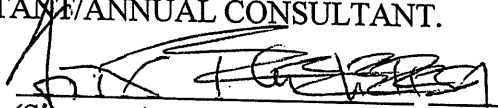
CONSULTANT/ANNUAL CONSULTANT further represents that no person having any interest shall be employed for said performance. By signing below, CONSULTANT/ANNUAL CONSULTANT certifies that the information contained herein is true and correct and constitutes all current potential conflicts of interest which may influence or appear to influence CONSULTANT'S/ANNUAL CONSULTANT'S judgment or quality of services being provided to the County.

CONSULTANT/ANNUAL CONSULTANT shall promptly notify the COUNTY in writing by certified mail of all potential conflicts of interest that may arise in the future through any prospective business association, interest or other circumstance which may influence or appear to influence CONSULTANT'S/ANNUAL CONSULTANT'S judgment or quality of services being provided to the County. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that CONSULTANT/ANNUAL CONSULTANT may undertake and request an opinion of the COUNTY as to whether the association, interest or circumstance would, in the opinion of the COUNTY, constitute an unacceptable conflict of interest if entered into by the CONSULTANT/ANNUAL CONSULTANT.

If, in the sole opinion of the COUNTY, the prospective business association, interest or circumstance of CONSULTANT/ANNUAL CONSULTANT would constitute an unacceptable conflict of interest to the COUNTY, the COUNTY shall so state in the notification and the CONSULTANT/ANNUAL CONSULTANT shall not enter into said association, interest or circumstance.

**THIS DISCLOSURE** is submitted by Alex Echeverria, P.E. as  
(Name of Individual)  
President, of AE Engineering, Inc.  
(Title/Position) (Firm Name of CONSULTANT/ANNUAL CONSULTANT)

who hereby certifies that the information stated above is true and correct. Further, it is hereby acknowledged that any misrepresentation by the CONSULTANT/ANNUAL CONSULTANT on this Disclosure is considered an unethical business practice and is grounds for sanctions against future County business with the CONSULTANT/ANNUAL CONSULTANT.

  
(Signature) 3/20/17  
(Date)

DISCLOSURE OF OWNERSHIP INTERESTS

TO: PALM BEACH COUNTY CHIEF OFFICER,  
OR HIS OR HER OFFICIALLY DESIGNATED REPRESENTATIVE

Exhibit "B" - Page 3 of 4

STATE OF FLORIDA  
COUNTY OF PALM BEACH

BEFORE ME, the undersigned authority, this day personally appeared ALEX ECHEVERRIA, P.E., hereinafter referred to as "Affiant," who being by me first duly sworn, under oath, deposes and states as follows:

1. Affiant appears herein as:

- an individual or
- the President of AE Engineering, Inc.

[position—e.g., sole proprietor, president, partner, etc.] [name & type of entity—e.g., ABC Corp., XYZ Ltd. Partnership, etc.]. The Affiant or the entity the Affiant represents herein seeks to do business with Palm Beach County through its Board of County Commissioners.

2. Affiant's address is: 6440 Southpoint Parkway, Suite 300, Jacksonville, FL 32216.

3. Attached hereto as Exhibit "A" is a complete listing of the names and addresses of every person or entity having a five percent (5%) or greater interest in the Affiant's corporation, partnership, or other principal. Disclosure does not apply to nonprofit corporations, government agencies, or to an individual's or entity's interest in any entity registered with the Federal Securities Exchange Commission or registered pursuant to Chapter 517, Florida Statutes, whose interest is for sale to the general public.

4. Affiant acknowledges that this Affidavit is given to comply with Palm Beach County policy, and will be relied upon by Palm Beach County and the Board of County Commissioners. Affiant further acknowledges that he or she is authorized to execute this document on behalf of the entity identified in paragraph one, if any.

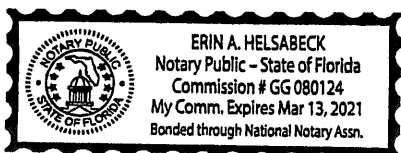
5. Affiant further states that Affiant is familiar with the nature of an oath and with the penalties provided by the laws of the State of Florida for falsely swearing to statements under oath.

6. Under penalty of perjury, Affiant declares that Affiant has examined this Affidavit and to the best of Affiant's knowledge and belief it is true, correct and complete.

FURTHER AFFIANT SAYETH NAUGHT.

*[Signature of Alex Echeverria]*  
ALEX ECHEVERRIA, P. E., Affiant

The foregoing instrument was acknowledged before me this 20th day of March, 2017, by Alex Echeverria, [ ] who is personally known to me or [ ] who has produced as identification and who did take an oath.



*[Signature of Erin A. Helsabeck]*  
Notary Public

(Print Notary Name)  
State of Florida at Large  
My Commission Expires: March 13, 2021

EXHIBIT "A"

**DISCLOSURE OF OWNERSHIP INTERESTS IN AFFIANT**

Affiant must identify all entities and individuals owning five percent (5%) or more ownership interest in Affiant's corporation, partnership or other principal, if any. Affiant must identify individual owners. For example, if Affiant's principal is wholly or partially owned by another entity, such as a corporation, Affiant must identify the other entity, its address, and the individual owners of the other entity. Disclosure does not apply to any nonprofit corporation, government agency, or to an individual's or entity's interest in any entity registered with the Federal Securities Exchange Commission or registered pursuant to Chapter 517, Florida Statutes, whose interest is for sale to the general public.

<b>Name</b>	<b>Address</b>
Alex Echeverria	6440 Southpoint Pkwy, Suite 300, Jacksonville, FL 32216
Roderick Myrick	9180 Silver Glen Way, Lake Worth, FL 33467
Cory Nichols	6440 Southpoint Pkwy, Suite 300, Jacksonville, FL 32216
Ricky Caplin	6440 Southpoint Pkwy, Suite 300, Jacksonville, FL 32216
Donald Fisher	6440 Southpoint Pkwy, Suite 300, Jacksonville, FL 32216

**PARTICIPATION FOR MWBE/SBE CONSULTANTS**  
 Supplement Number 1 Date

**Project Name:** CEI for Bridge Rehabilitation of Camino Real Road / Boca Club Bri **Project Number:** 2003501  
**Prime Vendor:** AE Engineering, Inc. **Resolution Number**  
**Telephone:** 904-614-4800 **Resolution Date**  
**Contact:** Cory W. Nichols, P.E., V. P. **Department:** Engineering & Public Works

**Total Supplement Amount \$1,587,922.22**

Minority Sub-Consultant	Type of Work Performed	Contract Dollar Amount for Sub-Consultant					Pct
		Black	Hispanic	Women	Other	White Male	
Baker Klein Engineering, P.L. 560 Village Blvd., Suite 340 West Palm Beach, FL 33409 561-684-6161	MWBE	0.00	0.00	0.00	0.00		0.0%
	SBE	0.00	0.00	49,109.70	0.00	0.00	3.1%
AE Engineering, Inc. 9180 Silver Glen Way Lake Worth, FL 33467 904-614-4800	MWBE	0.00	966,243.91	0.00	0.00		60.8%
	SBE	0.00	0.00	0.00	0.00	0.00	0.0%
AE Engineering, Inc. 9180 Silver Glen Way Lake Worth, FL 33467 904-614-4800	MWBE	0.00	106,960.90	0.00	0.00		6.7%
	SBE	0.00	0.00	0.00	0.00	0.00	0.0%
<b>Total MWBE</b>		0.00	1,073,204.81	0.00	0.00		67.6%
<b>Percentage</b>		0.00%	67.59%	0.00%	0.00%		
<b>Total SBE</b>		0.00	0.00	49,109.70	0.00	0.00	3.1%
<b>Percentage</b>		0.00%	0.00%	3.09%	0.00%	0.00%	

**SCHEDULE 1**

**LIST OF PROPOSED SBE-M/WBE PRIME AND/OR SUBCONTRACTOR PARTICIPATION**

PROJECT NAME OR BID NAME: CEI for Bridge Rehabilitation of Camino Real Rd./Boca Club Bridge over Intracoastal Waterway

PROJECT NO. OR BID NO.: 2003501

NAME OF PRIME BIDDER: AE Engineering, Inc.

ADDRESS: 9180 Silver Glen Way, Lake Worth, FL 33467

CONTACT PERSON: Roderick Myrick, P.E.

PHONE NO.: 561-632-5185 FAX NO.: 904-332-8424

BID OPENING DATE: \_\_\_\_\_

USER DEPARTMENT: Engineering & Public Works

**THIS DOCUMENT IS TO BE COMPLETED BY THE PRIME CONTRACTOR AND SUBMITTED WITH BID PACKET. PLEASE LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SBE -M/WBE SUBCONTRACTORS ON THIS PROJECT. IF THE PRIME IS AN SBE-M/WBE, PLEASE ALSO LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT.**

Name, Address and Phone Number	(Check one or both Categories)		DOLLAR AMOUNT OR PERCENTAGE OF WORK				
	M/WBE Minority Business	SBE Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. AE Engineering Inc, 9180 Silver Glen Way, Lake Worth, 561.632.5185	<input checked="" type="checkbox"/>	<input type="checkbox"/>		67.59			
2. Baker Klein Engineering, PL 1334 Walnut Street Jacksonville, FL 32206	<input type="checkbox"/>	<input checked="" type="checkbox"/>			3.09		
3.	<input type="checkbox"/>	<input type="checkbox"/>					
4.	<input type="checkbox"/>	<input type="checkbox"/>					
5.	<input type="checkbox"/>	<input type="checkbox"/>					

(Please use additional sheets if necessary)

Total Bid Price \$ 1,587,922.22      Total SBE-M/WBE Participation Dollar Amount or Percentage of Work 70.68 %

- Note:
- The amount listed on this form for a subcontractor must be supported by price or percentage listed on the signed Schedule 2 or signed proposal in order to be counted toward goal attainment.
  - Firms may be certified by Palm Beach County as an SBE and/or and M/WBE. If firms are certified as both an SBE and N/WBE, please indicate the dollar amount or percentage under the appropriate category.
  - M/WBE information is being collected for tracking purposes only.

**OSBA SCHEDULE 2  
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE SUBCONTRACTOR**

**Exhibit "D"**

This document must be completed by the SBE-M/WBE Subcontractor and submitted with bid packet. Specify in detail, the particular work items to be performed and the dollar amount and/or percentage for each work item. SBE credit will only be given for items which the SBE-M/WBE Subcontractor is SBE certified to perform. Failure to properly complete Schedule 2 may result in your SBE participation not being counted.

PROJECT NUMBER: 2003501

PROJECT NAME: CEI for Bridge Rehabilitation of Camino Real Road / Boca Club Bridge over Intracoastal Waterway

TO: AE Engineering, Inc.  
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise  Minority Business Enterprise   
Black  Hispanic  Women  Caucasian  Other (Please Specify) \_\_\_\_\_

Date of Palm Beach County Certification: 3/18/14

The undersigned is prepared to perform the following described work in connection with the above project. Additional Sheets May Be Used As Necessary

Line Item/ Lot No. Item Description	Qty/Units	Unit Price	Total Price/ Percentage
<u>Structural Engineering</u>	_____	_____	<u>3.09%</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

at the following price or percentage  
3.09%  
(Subcontractor's quote)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

**If undersigned intends to subcontract any portion of this job to a certified SBE or a non-SBE subcontractor, please list the name of the subcontractor and the amount below.**

Price and/or Percentage \_\_\_\_\_  
(Name of Subcontractor) \_\_\_\_\_

The Prime affirms that it will monitor the SBE's listed to ensure the SBE's perform the work with its own forces. The undersigned subcontractor affirms that it has the resources necessary to perform the work listed without subcontracting to non-certified SBE or any other certified SBE subcontractors except as noted above.

The undersigned subcontractor understands that the provision of this form to Prime Bidder does not prevent Subcontractor from providing quotations to other bidders.

By: Roderick Myrick  
Signature  
Roderick Myrick, P.E., Vice Pres.  
Print name/title of person executing on behalf  
Prime Contractor

By: Tamara G. Baker  
Signature  
Tamara G. Baker  
Print name/title of person executing on behalf  
of SBE/M/WBE Subcontractor

Date: 3/17/17



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
1/12/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Lee Crane Ins. Agency, Inc.- Keystone 7388 State Road 21  Keystone Heights FL 32656		<b>CONTACT NAME:</b> BARBARA JO FRANKLIN <b>PHONE (A/C, No. Ext):</b> (352) 473-4786 <b>FAX (A/C, No):</b> (352) 473-4802 <b>E-MAIL ADDRESS:</b> FRANKLIN@KEYSTONEHEIGHTSINS.COM	
<b>INSURED</b> AE Engineering, Inc. 6440 Southpoint Pkwy #300  Jacksonville FL 32216		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> NATIONWIDE INS. CO. OF AMERICA NAIC # 25453 <b>INSURER B:</b> PROGRESSIVE EXPRESS INS CO 10193 <b>INSURER C:</b> LLOYDS <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

**COVERAGES** CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			ACPBPOZ5935271374	12/22/2016	12/22/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			01564516-4	04/25/2016	04/25/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			ACPCAP5935271374	04/25/2016	04/25/2017	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$ 2,000,000
C	E&O / PROFESSIONAL SERVICES LIABILITY - PER OCCURENCE			PGIARK01217-00	07/31/2016	07/31/2017	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 Description: CEI for Bridge Rehabilitation - Camino Real Road/Boca Clue Bridge over Intracoastal Waterway #2003501.

Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, Its Officers, Employees and Agents are listed as additionally insured.

<b>CERTIFICATE HOLDER</b>  PALM BEACH COUNTY BOARD OF COMMISSIONERS C/O INSURANCE TRACKING SERVICES, INC (ITS) PO BOX 20270 LONG BEACH CA 90801	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
--	--





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
03/21/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b>  Automatic Data Processing Insurance Agency, Inc. 1 Adp Boulevard Roseland, NJ 07068	<b>CONTACT NAME:</b> _____ <b>PHONE (A/C, No, Ext):</b> _____ <b>FAX (A/C, No):</b> _____ <b>E-MAIL ADDRESS:</b> _____	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b>  AE ENGINEERING INC 6440 South point Pkwy Ste 300 Jacksonville, FL 32216	<b>INSURER A:</b> Twin City Fire Insurance Company	<b>NAIC #</b> 29459
	<b>INSURER B:</b>	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES**

CERTIFICATE NUMBER: 643166

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: _____						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COM/POP AGG \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED _____ RETENTION \$ _____						EACH OCCURRENCE \$ AGGREGATE \$ \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N Y	N/A N	76WEGZH1815	02/01/2017	02/01/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

<b>CERTIFICATE HOLDER</b>  Palm Beach County Board of County Commissioners Attn: Insurance Tracking Services, Inc. (ITS) P.O. Box 20270 Long Beach, CA 90801	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
---	--

AE Engineering Inc.



Project Name CEI SERVICES FOR Camino Real Project

Project Schedule	Days	Start	End	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18
Task 1 - Pre Construction	7	6/12/2017	6/19/2017																	
Task 2 - Construction	444	7/3/2017	9/20/2018																	
Task 3 Close Out	30	9/21/2018	10/21/2018																	
<b>Total</b>	<b>481</b>																			