

**ORIGINAL
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AGREEMENT

Between

City of Fort Lauderdale

and

AMEC Environment & Infrastructure, Inc.

for

CONSULTANT SERVICES

for

Geotechnical Engineering and Laboratory Services

Request for Qualifications (RFQ) 636-11225

**CONTRACT
COPY**

AGREEMENT

THIS IS AN AGREEMENT made and entered into this 22nd day of January 2014,
by and between:

CITY OF FORT LAUDERDALE, a municipal
Corporation of the State of Florida, (hereinafter
referred to as "CITY")

and

AMEC Environment & Infrastructure, Inc., a Nevada Corporation
authorized to do business in the State of Florida
(hereinafter referred to as "CONSULTANT").

WHEREAS, the City Commission of the City of Fort Lauderdale, Florida at its meeting of January 22, 2014 authorized by motion the execution this Agreement between CONSULTANT and CITY authorizing the performance of services in connection with an Agreement for Geotechnical Engineering and Laboratory Services, RFQ No.636-11225 (the "Agreement"); and

WHEREAS, the CONSULTANT is willing and able to render professional services for such project for the compensation and on the terms hereinafter set forth; and

NOW, THEREFORE, in consideration of the mutual covenants, agreements, terms, and conditions contained herein, the parties hereto, do agree as follows:

ARTICLE 1 DEFINITIONS AND IDENTIFICATIONS

For the purposes of this Agreement and the various covenants, conditions, terms and provisions which follow, the DEFINITIONS and IDENTIFICATIONS set forth below are assumed to be true and correct and are therefore agreed upon by the parties.

- 1.1 AGREEMENT: Means this document between the CITY and CONSULTANT dated January 22, 2014 and any duly authorized and executed Amendments to Agreement.
- 1.2 CERTIFICATE FOR PAYMENT: A statement by CONSULTANT based on observations at the site and on review of documentation submitted by the Contractor that by its issuance recommends that CITY pay identified amounts to the Contractor for services performed by the Contractor at the Project.
- 1.3 CHANGE ORDER: A written order to the Contractor, addressing modifications to the Contract Documents, and establishing the basis of payment and contract

time adjustment, if any, for the work affected by such modifications. The CONSULTANT may review and make recommendations to the CITY on any proposed Change Orders, for approval or other appropriate action by the CITY.

- 1.4 CITY: The City of Fort Lauderdale, a municipal corporation of the State of Florida.
- 1.5 CITY MANAGER: The City Manager of the City of Fort Lauderdale, Florida.
- 1.6 COMMISSION: The City Commission of the City of Fort Lauderdale, Florida, which is the governing body of the CITY government.
- 1.7 CONSTRUCTION COST: The total construction cost to CITY of all elements of the Project designed or specified by the CONSULTANT.
- 1.8 CONSTRUCTION COST LIMIT: A maximum construction cost limit established by the CITY defining the maximum budget amount to which the final construction documents should be designed so as not to exceed.
- 1.9 CONSTRUCTION DOCUMENTS: Those working drawings and specifications and other writings setting forth in detail and prescribing the work to be done, the materials, workmanship and other requirements for construction of the entire Project, including any bidding information.
- 1.10 CONSULTANT: AMEC Environment & Infrastructure, Inc., the CONSULTANT selected to perform professional services pursuant to this Agreement.
- 1.11 CONTRACT ADMINISTRATOR: The Public Works Director of the City of Fort Lauderdale, or his designee. In the administration of this Agreement, as contrasted with matters of policy, all parties may rely upon instructions or determinations made by the Contract Administrator.
- 1.12 CONTRACTOR: One or more individuals, firms, corporations or other entities identified as such by a written agreement with CITY ("Contract for Construction") to perform the construction services required to complete the Project.
- 1.13 ERROR: A mistake in design, plans and/or specifications that incorporates into those documents an element that is incorrect and is deficient from the standard of care that a professional engineer in similar circumstances, working on a similar project and location would have exercised. Also includes mistakes in design, plans, specifications and/or shop drawings review that lead to materials and/or equipment being ordered and/or delivered where additional costs are incurred.
- 1.14 FINAL STATEMENT OF PROBABLE CONSTRUCTION COSTS: A final cost estimate prepared by CONSULTANT during the Final Design Phase of the Project, based upon the final detailed Construction Documents of the Project.

- 1.15 NOTICE TO PROCEED: A written Notice to Proceed with the Project issued by the Contract Administrator.
- 1.16 OMISSION: A scope of work missed by the CONSULTANT that is necessary for the Project, including a quantity miscalculation, which was later discovered and added by Change Order and which is deficient from the standard of care that a professional engineer in similar circumstances, working on a similar project and location would have exercised. Also includes design that was wrong, but was corrected after award to the Contractor, but before the construction process was materially affected.
- 1.17 ORIGINAL CONTRACT PRICE: The original bid and/or contract price as awarded to a Contractor based upon the CONSULTANT'S final detailed Construction Documents of the Project.
- 1.18 PLANS AND SPECIFICATIONS: The documents setting forth the final design plans and specifications of the Project, including architectural, civil, structural, mechanical, electrical, communications and security systems, materials, lighting equipment, site and landscape design, and other essentials as may be appropriate, all as approved by CITY as provided in this Agreement.
- 1.19 PRELIMINARY PLANS: The documents prepared by the CONSULTANT consisting of preliminary design drawings, renderings and other documents to fix and describe the size and character of the entire Project, and the relationship of Project components to one another and existing features.
- 1.20 PROJECT: An agreed scope of work for accomplishing a specific plan or development. This may include, but is not limited to, planning, architectural, engineering, and construction support services. The services to be provided by the CONSULTANT shall be as defined in this Agreement and further detailed in Task Orders for individual projects or combinations of projects. The Project planning, design and construction may occur in separate phases and Task Orders at the CITY's discretion.
- 1.21 RESIDENT PROJECT REPRESENTATIVE: Individuals or entities selected, employed, compensated by and directed to perform services on behalf of CITY, in monitoring the Construction Phase of the Project to completion.
- 1.22 TASK ORDER: A document setting forth a detailed scope of services to be performed by CONSULTANT upon authorization of the CITY.
- 1.23 TIME OF COMPLETION: Time in which the entire work shall be completed for each Task Order.

ARTICLE 2
PREAMBLE

In order to establish the background, context and frame of reference for this Agreement and to generally express the objectives and intentions of the respective parties hereto, the following statements, representations and explanations shall be accepted as predicates for the undertakings and commitments included within the provisions of this Agreement which follow and may be relied upon by the parties as essential elements of the mutual considerations upon which this Agreement is based.

- 2.1 Pursuant to Section 287.055, Florida Statutes, CITY has formed a Committee to evaluate the CONSULTANT's statement of qualifications and performance data to ensure that the CONSULTANT has met the requirements of the Consultants' Competitive Negotiation Act, as set forth in Section 287.055, Florida Statutes, and has selected CONSULTANT to perform services hereunder.

ARTICLE 3
SCOPE OF SERVICES

- 3.1 The CONSULTANT shall perform the following professional services: A Continuing Contract for Geotechnical Engineering and Laboratory Services more specifically described in Exhibit "A," Scope of Services, attached hereto and incorporated herein, and shall include, but not be limited to, services as applicable and authorized by individual Task Orders for the individual projects in accordance with Article 5 herein. CONSULTANT shall provide all services set forth in Exhibit "A" including all necessary, incidental and related activities and services required by the Scope of Services and contemplated in CONSULTANT's level of effort.
- 3.2 CITY and CONSULTANT acknowledge that the Scope of Services does not delineate every detail and minor work tasks required to be performed by CONSULTANT to complete the Project. If, during the course of the performance of the services included in this Agreement, CONSULTANT determines that work should be performed to complete the Project which is in the CONSULTANT's opinion, outside the level of effort originally anticipated, whether or not the Scope of Services identifies the work items, CONSULTANT shall notify Contract Administrator and obtain written approval by the CITY in a timely manner before proceeding with the work. If CONSULTANT proceeds with said work without notifying the Contract Administrator, said work shall be deemed to be within the original level of effort, whether or not specifically addressed in the Scope of Services. Notice to Contract Administrator does not constitute authorization or approval by CITY to perform the work. Performance of work by CONSULTANT outside the originally anticipated level of effort without prior written CITY approval is at CONSULTANT's sole risk.

ARTICLE 4
GENERAL PROVISIONS

- 4.1 Negotiations pertaining to the professional design, engineering, architectural and project management services to be performed by the CONSULTANT have been undertaken between CONSULTANT and a committee of CITY representatives pursuant to Section 287.055, Florida Statutes, and this Agreement incorporates the results of such negotiation.
- 4.2 CONSULTANT shall include CITY's specific Task Order number as part of the heading on all correspondence, invoices and drawings. All correspondence shall be directed specifically to the Contract Administrator.

ARTICLE 5
TASK ORDERS

- 5.1 The Project will be divided into "Tasks."
- 5.2 Task Orders shall be jointly prepared by the CITY and CONSULTANT defining the detailed scope of services to be provided for the particular Project. Each Task Order shall be separately numbered and approved in accordance with this Agreement and all applicable CITY code requirements.
- 5.3 Under all Task Orders and Projects, CITY may require the CONSULTANT, by specific written authorization, and for mutually agreed upon additional compensation, to provide or assist in obtaining one or more of the following special services. These services may include, at the discretion of the CITY, the following items:
 - 5.3.1 Providing additional copies of reports, contract drawings and documents; and
 - 5.3.2 Assisting CITY with litigation support services arising from the planning, development, or construction.
- 5.4 Prior to initiating the performance of any services under this Agreement, CONSULTANT must receive a written Notice to Proceed / Purchase Order from the CITY. The CONSULTANT must receive the approval of the Contract Administrator or his designee in writing prior to beginning the performance of services in any subsequent Task Order under this Agreement.
- 5.5 If, in the opinion of the CITY, the CONSULTANT is improperly performing the services under a specific Task Order, or if at any time the CITY shall be of the opinion that said Task Order is being unnecessarily delayed and will not be completed within the agreed upon time, the CITY shall notify the CONSULTANT in writing. The CONSULTANT has within ten (10) working days thereafter to take

such measures as will, in the judgment of the CITY, ensure satisfactory performance and completion of the work. If the CONSULTANT fails to cure within the ten (10) working days, the CITY may notify the CONSULTANT to discontinue all work under the specified Task Order. The CONSULTANT shall immediately respect said notice and stop said work and cease to have any rights in the possession of the work and shall forfeit the Task Order and any remaining monies. The CITY may then decide, after City Commission approval, to issue a new Task Order for the uncompleted work to another consultant using the remaining funds. Any excess costs arising therefrom over and above the original Task Order price shall be charged against CONSULTANT, as the original CONSULTANT.

ARTICLE 6
TERM OF AGREEMENT; TIME FOR PERFORMANCE

- 6.1 The initial term of this Agreement shall be for two (2) years from the date of this Agreement. The CITY shall have the option to renew this Agreement for three (3) successive one (1) year terms under the same terms, conditions, and compensation as set forth herein.
- 6.2 CONSULTANT shall perform the services described in Task Orders within the time periods specified in the Task Order. Said time periods shall commence from the date of the Notice to Proceed for such services.
- 6.3 Prior to beginning the performance of any services under this Agreement, CONSULTANT must receive a Notice to Proceed. CONSULTANT must receive written approval from the Contract Administrator prior to beginning the performance of services in any subsequent phases of the Agreement. Prior to granting approval for CONSULTANT to proceed to a subsequent phase, the Contract Administrator may, at his or her sole option, require CONSULTANT to submit itemized deliverables/documents for the Contract Administrator's review.
- 6.4 In the event CONSULTANT is unable to complete any services because of delays resulting from untimely review by CITY or other governmental authorities having jurisdiction over the Project, and such delays are not the fault of CONSULTANT, or because of delays which were caused by factors outside the control of CONSULTANT, CITY shall grant a reasonable extension of time for completion of the services. It shall be the responsibility of the CONSULTANT to notify CITY promptly in writing whenever a delay in approval by a governmental agency is anticipated or experienced, and to inform CITY of all facts and details related to the delay.
- 6.5 The time for the performance of services described in assigned Task Orders shall be negotiated by the CITY and the CONSULTANT as the services are requested and authorized by the CITY.

ARTICLE 7
COMPENSATION AND METHOD OF PAYMENT

7.1 AMOUNT AND METHOD OF COMPENSATION

The method of compensation for each Task Order shall be not to exceed as agreed upon per Task Order and described in Section 7.1.1 below.

7.1.1 Not To Exceed Amount Compensation

CITY agrees to pay CONSULTANT as compensation for performance of all services as related to each Task Order under the terms of this Agreement a Not to Exceed Amount as agreed upon per Task Order. This compensation does not include Reimbursables as described in Section 7.2. It is agreed that the method of compensation is that of "Not to Exceed Amount" which means that CONSULTANT shall perform all services set forth in each Task Order for total compensation in the amount of or less than that stated total. The hourly rate-billing schedule to be used in negotiating each Task Order is attached as Exhibit "B" to this Agreement. As described in Section 8.1, no modification, amendment, or alteration to Exhibit "B" shall be effective unless contained in a written document prepared with the same formality as this Agreement and executed by the CITY and CONSULTANT.

A not to exceed proposal shall be accompanied by the CONSULTANT's estimate. The estimate shall detail the direct labor costs by categories of employees, work hours, and hourly rate; overhead; direct non-salary expenses including reimbursables; and profit, or as required by individual Task Order.

7.2 REIMBURSABLES

7.2.1 Direct non-salary expenses, entitled Reimbursables, directly attributable to the Project will be charged at actual cost. Reimbursable expenses are in addition to the compensation for basic services and include actual expenditures made by the CONSULTANT and the CONSULTANT'S employees directly attributable to the Project and will be charged at actual cost, without reference to the professional service fees above. CITY shall not withhold retainage from payments for Reimbursable Expenses. CONSULTANT shall be compensated for Reimbursables associated with a particular Task Order only up to the amount allocated for such Task Order. Any reimbursable or portion thereof which, when added to the Reimbursables related to a particular Task Order previously billed, exceeds the amount allocated for such Task Order shall be the responsibility of the CONSULTANT unless otherwise agreed to in writing by the Contract Administrator. Travel and subsistence expenses for the CONSULTANT, his staff and subconsultants and communication

expenses, long distance telephone, courier and express mail between CONSULTANT's and subconsultants' various offices are not reimbursable under this Agreement. Reimbursables shall include only the following listed expenses unless authorized in writing by the Contract Administrator:

A. Cost of reproduction, postage and handling of drawings and specifications which are required to deliver services set forth in this Agreement, excluding reproductions for the office use of the CONSULTANT. Reimbursable printing and photocopying expenses shall include only those prints or photocopies of original documents which are (i) exchanged among CONSULTANT, CITY and other third parties retained or employed by any of them or (ii) submitted to CITY for review, approval or further distribution. Documents, which are reproduced for CONSULTANT's internal drafts, reviews, or other purposes, are not eligible for reimbursement.

B. Identifiable testing costs approved by Contract Administrator.

C. All permit fees paid to regulatory agencies for approvals directly attributable to the Project. These permit fees do not include those permits required for the construction Contractor.

D. Overnight Delivery/Courier Charges (when CITY requires/requests this service).

7.2.2 Reimbursable subconsultant expenses are limited to the items described above when the subconsultant agreement provides for reimbursable expenses. A detailed statement of expenses must accompany any request for reimbursement. Local travel to and from the Project site or within the Tri-County Area will not be reimbursed.

7.2.3 It is acknowledged and agreed to by CONSULTANT that the dollar limitation set forth in each Task Order is a limitation upon, and describes the maximum extent of CITY's obligation to reimburse CONSULTANT for direct, nonsalary expenses, but does not constitute a limitation, of any sort, upon CONSULTANT's obligation to incur such expenses in the performance of services hereunder. If CITY or Contract Administrator requests CONSULTANT to incur expenses not contemplated in the amount for Reimbursables, CONSULTANT shall notify Contract Administrator in writing before incurring such expenses. Any such expenses shall be reviewed and approved by CITY prior to incurring such expenses.

7.3 METHOD OF BILLING

7.3.1 Not To Exceed Amount Compensation

CONSULTANT shall submit billings, which are identified by the specific

project number on a monthly basis in a timely manner for all salary costs and Reimbursables attributable to the Project. These billings shall identify the nature of the work performed, the total hours of work performed and the employee category of the individuals performing same. Billings shall itemize and summarize Reimbursables by category and identify same as to the personnel incurring the expense and the nature of the work with which such expense was associated. Where prior written approval by Contract Administrator is required for Reimbursables, a copy of said approval shall accompany the billing for such Reimbursables. The statement shall show a summary of salary costs and Reimbursables with accrual of the total and credits for portions paid previously. External Reimbursables and subconsultant fees must be documented by copies of invoices or receipts, which describe the nature of the expenses and contain a project number or other identifier, which clearly indicates the expense, as identifiable to the Project. Except for meals and travel expenses, it shall be deemed unacceptable for the CONSULTANT to modify the invoice or receipt by adding a project number or other identifier. Internal expenses must be documented by appropriate CONSULTANT's cost accounting forms with a summary of charges by category. When requested, CONSULTANT shall provide backup for past and current invoices that records hours and salary costs by employee category, Reimbursables by category, and subconsultant fees on a task basis, so that total hours and costs by task may be determined.

7.4 METHOD OF PAYMENT

- 7.4.1 CITY shall pay CONSULTANT in accordance with the Florida Prompt Payment Act. To be deemed proper, all invoices must comply with the requirements set forth in this Agreement and must be submitted on the form and pursuant to instructions prescribed by Contract Administrator.
- 7.4.2 CITY will review CONSULTANT's invoices and, if inaccuracies or errors are discovered in said invoice, CITY will inform CONSULTANT within ten (10) working days by fax and/or by email of such inaccuracies or errors and request that revised copies of all such documents be re-submitted by CONSULTANT to CITY.
- 7.4.3 Upon mutual agreement by both CITY and CONSULTANT, payment shall be made by CITY to CONSULTANT using a CITY P-Card. If payment is not made using a CITY P-Card, payment will be made to CONSULTANT at the following address:

AMEC Environment & Infrastructure, Inc
24376 Network Place
Chicago, IL 60673-1376

ARTICLE 8
AMENDMENTS AND CHANGES IN SCOPE OF SERVICES

- 8.1 No modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written Amendment prepared with the same formality as this Agreement and executed by the CITY and CONSULTANT.
- 8.2 CITY or CONSULTANT may request changes that would increase, decrease, or otherwise modify the Scope of Services to be provided under a Task Order. Such changes must be contained in a written amendment, executed by the parties hereto, with the same formality and of equal dignity herewith, prior to any deviation from the terms of the Task Order including the initiation of any additional services. CITY shall compensate CONSULTANT for such additional services as provided in Article 7.
- 8.3 In the event a dispute between the Contract Administrator and CONSULTANT arises over whether requested services constitute additional services and such dispute cannot be resolved by the Contract Administrator and CONSULTANT, such dispute shall be promptly presented to the City Manager for resolution. The City Manager's decision shall be final and binding on the parties for amounts in the aggregate under \$100,000 per project. In the event of a dispute in an amount over \$100,000, the parties agree to use their best efforts to settle such dispute. To this effect, they shall consult and negotiate with each other, in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both parties. If they do not reach such solution within a period of sixty (60) days, then upon notice to the other, either party may commence litigation to resolve the dispute in Broward County, Florida. Any resolution in favor of CONSULTANT shall be set forth in a written document in accordance with Section 8.2 above. During the pendency of any dispute, CONSULTANT shall promptly perform the disputed services.

ARTICLE 9
CONSULTANT'S RESPONSIBILITIES

- 9.1 The CONSULTANT, following the CITY's approval of the Construction Documents and of the Final Statement of Probable Construction Costs, shall, when so directed and authorized by the CITY, assist the CITY in obtaining bids or negotiated proposals and assist in awarding and preparing contracts for construction. If requested, the CONSULTANT shall review and analyze the proposals received by the CITY, and shall make a recommendation for any award based on CITY's Purchasing Ordinance.
- 9.2 Should the lowest responsible, responsive proposal exceed the Final Statement of Probable Construction Costs by less than 10%, CONSULTANT, at no additional cost to the CITY, shall meet with the CITY's representatives and work to reduce costs to bring the Original Contract Price within the Final Statement of

Probable Construction Costs. Should the lowest responsible, responsive proposal exceed the Final Statement of Probable Construction Costs by 10% or more, CONSULTANT shall, at the CITY's direction, redesign each Project and/or work with the CITY to reduce the costs to within the Final Statement of Probable Construction Costs at no additional expense to the CITY. If negotiations between the CITY and the CONSULTANT have not commenced within three months after completion of the final design phase, or if industry-wide prices are changed because of unusual or unanticipated events affecting the general level of prices or times of delivery in the construction industry, the established Construction Cost Limit may be adjusted in accordance with the applicable change in the Construction Cost Index for Twenty Cities from the date of completion of the final design phase and the date on which proposals are sought, as published monthly in "Engineering News Record". If each Project scope and design is expanded by the CITY after the CONSULTANT renders the estimated Construction Cost of the Plans and Specifications, the CONSULTANT shall not be responsible for any redesign without compensation.

- 9.3 The CONSULTANT shall provide the CITY with a list of recommended, prospective proposers.
- 9.4 The CONSULTANT shall attend all pre-proposal conferences.
- 9.5 The CONSULTANT shall recommend any addenda, through the Contract Administrator, as appropriate to clarify, correct, or change proposal documents.
- 9.6 If pre-qualification of proposers is required as set forth in the request for proposal, CONSULTANT shall assist the CITY, if requested, in developing qualification criteria, review qualifications and recommend acceptance or rejection of the proposers. If requested, CONSULTANT shall evaluate proposals and proposers, and make recommendations regarding any award by the CITY.
- 9.7 The CITY shall make decisions on all claims regarding interpretation of the Construction Documents, and on all other matters relating to the execution and progress of the work after receiving a recommendation from the CONSULTANT. The CONSULTANT shall check and approve samples, schedules, shop drawings and other submissions for conformance with the concept of each Project, and for compliance with the information given by the Construction Documents. The CONSULTANT may also prepare Change Orders, assemble written guarantees required of the Contractor, and approve progress payments to the Contractor based on each Project Schedule of Values and the percentage of work completed.
- 9.8 The CITY shall maintain a record of all Change Orders which shall be categorized according to the various types, causes, etc. that it may be determined are useful or necessary for its purpose. Among those shall be Change Orders identified as architectural/engineering Errors or Omissions.
 - 9.8.1 Unless otherwise agreed by both parties in writing, it is specifically agreed

that any change to the work identified as an Error on the part of the CONSULTANT shall be considered for purposes of this Agreement to be an additional cost to the CITY which would not be incurred without the Error.

- 9.8.2 Unless otherwise agreed by both parties in writing, it is further specifically agreed for purposes of this Agreement that fifteen percent (15%) of the cost of Change Orders for any item categorized as an Omission shall be considered an additional cost to the CITY which would not be incurred without the Omission. So long as the total of those two numbers (Change Order costs of Errors plus fifteen percent (15%) of Omissions) remains less than two percent (2%) of the total Construction Cost of the Project, the CITY shall not look to the CONSULTANT for reimbursement for Errors and Omissions.
- 9.8.3 Should the sum of the two as defined above (cost of Errors plus fifteen percent (15%) of the cost of Omissions) exceed two percent (2%) of the Construction Cost, the CITY shall recover the full and total additional cost to the CITY as a result of CONSULTANT's Errors and Omissions from the CONSULTANT, that being defined as the cost of Errors plus fifteen percent (15%) of the cost of Omissions above two percent (2%) of the Construction Cost.
- 9.8.4 To obtain such recovery, the CITY shall deduct from the CONSULTANT's fee a sufficient amount to recover all such additional cost to the CITY.
- 9.8.5 In executing this Agreement, the CONSULTANT acknowledges acceptance of these calculations and to the CITY's right to recover same as stated above. The recovery of additional costs to the CITY under this paragraph shall not limit or preclude recovery for other separate and/or additional damages which the CITY may otherwise incur.
- 9.8.6 The Contract Administrator's decision as to whether a Change Order is caused by an Error or caused by an Omission, taking into consideration industry standards, shall be final and binding on both parties for amounts in the aggregate under \$100,000 per project. In the event of a dispute in an amount over \$100,000, the parties agree to use their best efforts to settle such dispute. To this effect, they shall consult and negotiate with each other, in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both parties. If they do not reach such solution within a period of sixty (60) days, then upon notice to the other, either party may commence litigation to resolve the dispute in Broward County, Florida.

ARTICLE 10 CITY'S RESPONSIBILITIES

- 10.1 CITY shall assist CONSULTANT by placing at CONSULTANT's disposal all

information CITY has available pertinent to the Project including previous reports and any other data relative to design or construction of the Project.

- 10.2 CITY shall arrange for access to, and make all provisions for, CONSULTANT to enter upon public and private property as required for CONSULTANT to perform its services.
- 10.3 CITY shall review the itemized deliverables/documents identified per Task Order.
- 10.4 CITY shall give prompt written notice to CONSULTANT whenever CITY observes or otherwise becomes aware of any development that affects the scope or timing of CONSULTANT's services or any defect in the work of the Contractor.

ARTICLE 11 MISCELLANEOUS

11.1 OWNERSHIP OF DOCUMENTS

All documents including, but not limited to, drawings, renderings, models, and specifications prepared or furnished by CONSULTANT, its dependent professional associates and consultants, pursuant to this Agreement shall be owned by the CITY.

Drawings, specifications, designs, models, photographs, reports, surveys and other data prepared in connection with this Agreement are and shall remain the property of the CITY whether the Project for which they are made is executed or not, and are subject to reuse by the CITY in accordance with Section 287.055(10) of the Florida Statutes. They are not intended or represented to be suitable for reuse by the CITY or others on extensions of this Project or on any other project without appropriate verification or adaptation. This does not, however, relieve the CONSULTANT of liability or legal exposure for errors, omissions, or negligent acts made on the part of the CONSULTANT in connection with the proper use of documents prepared under this Agreement. Any such verification or adaptation may entitle the CONSULTANT to further compensation at rates to be agreed upon by the CITY and the CONSULTANT. This shall not limit the CITY's reuse of preliminary or developmental plans or ideas incorporated therein, should the Project be suspended or terminated prior to completion.

11.2 TERMINATION

11.2.1 It is expressly understood and agreed that the CITY may terminate this Agreement at any time by giving the CONSULTANT notice by telephone, or personally to one of the officers of the CONSULTANT, confirmed by certified mail, return receipt requested, to the principal office of the CONSULTANT. In the event that the Agreement is terminated, the CONSULTANT shall be entitled to be compensated for the services rendered from the date of execution of the Agreement up to the time of

termination. Such compensation shall be based on the fee as set forth above, wherever possible. For those portions of services rendered to which the applicable fee cannot be applied, payment shall be based upon the appropriate rates for the actual time spent on the project. In the event that the CONSULTANT abandons this Agreement or through violation of any of the terms and conditions of this Agreement, causes it to be terminated, CONSULTANT shall indemnify the CITY against any loss pertaining to this termination. All finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by CONSULTANT shall become the property of CITY and shall be delivered by CONSULTANT to the CITY within five (5) days of CITY's request. Upon payment of such sum by CITY to CONSULTANT, CITY shall have no further duties or obligations pursuant to or arising from this Agreement. CONSULTANT shall have the right to terminate this Agreement upon the substantial breach by the CITY of its obligations under this Agreement such as unreasonable delay in payment or non-payment of undisputed amounts.

11.2.2 This Agreement may also be terminated by CITY upon such notice as CITY deems appropriate in the event CITY or Contract Administrator determines that termination is necessary to protect the public health, safety, or welfare.

11.2.3 Notice of termination shall be provided in accordance with Section 11.27, NOTICES, except that Contract Administrator may provide a prior verbal stop work order if the Contract Administrator deems a stop work order of this Agreement in whole or in part is necessary to protect the public's health, safety, or welfare. A verbal stop work order shall be promptly confirmed in writing as set forth in Section 11.27, NOTICES.

11.2.4 In the event this Agreement is terminated for convenience, CONSULTANT shall be paid for any services performed to the date the Agreement is terminated. Compensation shall be withheld until all documents specified in Section 11.3 of this Agreement are provided to the CITY. Upon being notified of CITY's election to terminate, CONSULTANT shall refrain from performing further services or incurring additional expenses under the terms of this Agreement. Under no circumstances shall CITY make payment for services which have not been performed.

11.3 AUDIT RIGHT AND RETENTION OF RECORDS

CITY shall have the right to audit the books, records, and accounts of CONSULTANT that are related to this Project. CONSULTANT shall keep such books, records, and accounts as may be necessary in order to record complete and correct entries related to the Project.

CONSULTANT shall preserve and make available, at reasonable times for examination and audit by CITY all financial records, supporting documents,

statistical records, and any other documents pertinent to this Agreement for the required retention period of the Florida Public Records Act (Chapter 119, Florida Statutes), if applicable, or, if the Florida Public Records Act is not applicable, for a minimum of three (3) years after termination of this Agreement. If any audit has been initiated and audit findings have not been resolved at the end of the retention period or three (3) years, whichever is longer, the books, records, and accounts shall be retained until resolution of the audit findings. If the Florida Public Records Act is determined by CITY to be applicable to CONSULTANT's records, CONSULTANT shall comply with all requirements thereof; however, no confidentiality or non-disclosure requirement of either federal or state law shall be violated by CONSULTANT. Any incomplete or incorrect entry in such books, records, and accounts shall be a basis for CITY's disallowance and recovery of any payment upon such entry.

11.4 NON DISCRIMINATION, EQUAL EMPLOYMENT OPPORTUNITY, AND AMERICANS WITH DISABILITIES ACT

CONSULTANT shall not unlawfully discriminate against any person in its operations and activities in its use or expenditure of the funds or any portion of the funds provided by this Agreement and shall affirmatively comply with all applicable provisions of the Americans with Disabilities Act (ADA) in the course of providing any services funded in whole or in part by CITY, including Titles I and II of the ADA (regarding nondiscrimination or the basis of disability), and all applicable regulations, guidelines, and standards.

CONSULTANT's decisions regarding the delivery of services under this Agreement shall be made without regard to or consideration of race, age, religion, color, gender, sexual orientation, national origin, marital status, physical or mental disability, political affiliation, or any other factor which cannot be lawfully or appropriately used as a basis for service delivery.

CONSULTANT shall comply with Title I of the Americans with Disabilities Act regarding nondiscrimination on the basis of disability in employment and further shall not discriminate against any employee or applicant for employment because of race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability. In addition, CONSULTANT shall take affirmative steps to ensure nondiscrimination in employment against disabled persons. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

CONSULTANT shall take affirmative action to ensure that applicants are employed and employees are treated without regard to race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability during employment. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer,

recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

11.5 MINORITY PARTICIPATION

Historically, the CITY has been able to achieve participation levels of approximately twelve percent (12%) by MBE/WBE firms in CITY projects, and in the purchase of goods and services. The CONSULTANT shall make a good faith effort to help the CITY maintain and encourage MBE/WBE participation levels consistent with such historical levels and market conditions. The CONSULTANT will be required to document all such efforts and supply the CITY with this documentation at the end of the Project, or in cases where projects are longer than one year, each CITY fiscal year.

11.6 PUBLIC ENTITY CRIMES ACT

CONSULTANT represents that the execution of this Agreement will not violate the Public Entity Crimes Act (Section 287.133, Florida Statutes), which essentially provides that a person or affiliate who is a contractor, consultant or other provider and who has been placed on the convicted vendor list following a conviction for a "public entity crime", as defined by Section 287.133, Florida Statutes, may not submit a bid on a contract to provide any goods or services to CITY, may not submit a bid on a contract with CITY for the construction or repair of a public building or public work, may not submit bids on leases of real property to CITY, may not be awarded or perform work as a contractor, supplier, subconsultant, or consultant under a contract with CITY, and may not transact any business with CITY in excess of the threshold amount provided in Section 287.017, Florida Statutes, for category two purchases for a period of 36 months from the date of being placed on the convicted vendor list. Violation of this section shall result in termination of this Agreement and recovery of all monies paid hereto, and may result in debarment from CITY's competitive procurement activities.

In addition to the foregoing, CONSULTANT further represents that there has been no determination, based on an audit, that it committed an act defined by Section 287.133, Florida Statutes, as a "public entity crime" and that it has not been formally charged with committing an act defined as a "public entity crime" regardless of the amount of money involved or whether CONSULTANT has been placed on the convicted vendor list.

11.7 SUBCONSULTANTS

11.7.1 CONSULTANT may subcontract certain items of work to subconsultant. The parties expressly agree that the CONSULTANT shall submit pertinent information regarding the proposed subconsultant, including subconsultant's scope of work and fees, for review and approval by the CITY prior to sub-consultants proceeding with any work.

11.7.2 CONSULTANT shall utilize the subconsultants identified in the proposal that were a material part of the selection of CONSULTANT to provide the services for this Project. CONSULTANT shall obtain written approval of Contract Administrator prior to changing or modifying the list of subconsultants submitted by CONSULTANT.

The list of subconsultants submitted is as follows:
Radise International, L.C.
Foundation & Geotechnical Engineering, LLC

11.8 ASSIGNMENT AND PERFORMANCE

Neither this Agreement nor any interest herein shall be assigned, transferred, or encumbered without the written consent of the other party, and CONSULTANT shall not subcontract any portion of the work required by this Agreement except as authorized pursuant to Section 11.7.

CONSULTANT represents that all persons delivering the services required by this Agreement have the knowledge and skills, either by training, experience, education, or a combination thereof, to adequately and competently perform the duties, obligations, and services set forth in the Scope of Services and to provide and perform such services to CITY's satisfaction for the agreed compensation.

CONSULTANT shall perform its duties, obligations, and services under this Agreement in a skillful and respectable manner. The quality of CONSULTANT's performance and all interim and final product(s) provided to or on behalf of CITY shall meet or exceed all professional standards of the State of Florida.

11.9 INDEMNIFICATION OF CITY

11.9.1 CONSULTANT shall indemnify and hold harmless CITY, its officers and employees from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentional wrongful conduct of CONSULTANT, and other persons employed or utilized by CONSULTANT in the performance of the duties under this Agreement. The provisions of this Section shall survive the expiration or early termination of this Agreement. To the extent considered necessary by Contract Administrator and City Attorney, any sums due to the CONSULTANT under this Agreement may be retained by CITY until all of CITY's claims for indemnification pursuant to this Agreement have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by CITY.

11.9.2 It is specifically understood and agreed that the consideration inuring to the CONSULTANT for the execution of this Agreement are the promises, payments, covenants, rights and responsibilities contained herein and the

award of this Agreement to the CONSULTANT.

11.9.3 The execution of this Agreement by the CONSULTANT shall obligate the CONSULTANT to comply with the foregoing indemnification provision.

11.10 LIMITATION OF CITY'S LIABILITY

The CITY desires to enter into this Agreement only if in so doing the CITY can place a limit on the CITY'S liability for any cause of action arising out of this Agreement, so that the CITY'S liability for any breach never exceeds the sum of \$100.00. For other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the CONSULTANT expresses its willingness to enter into this Agreement with the knowledge that the CONSULTANT'S recovery from the CITY to any action or claim arising from the Agreement is limited to a maximum amount of \$100.00 less the amount of all funds actually paid by the CITY to the CONSULTANT pursuant to this Agreement. Accordingly, and notwithstanding any other term or condition of this Agreement that may suggest otherwise, the CONSULTANT agrees that the CITY shall not be liable to the CONSULTANT for damages in an amount in excess of \$100.00, which amount shall be reduced by the amount actually paid by the CITY to the CONSULTANT pursuant to this Agreement, for any action or claim arising out of this Agreement. Nothing contained in this paragraph or elsewhere in this Agreement is in any manner intended either to be a waiver of the limitation placed upon the CITY'S liability as set forth in Section 768.28, Florida Statutes, or to extend the CITY'S liability beyond the limits established in said Section 768.28; and no claim or award against the CITY shall include attorney's fees, investigative costs, extended damages, expert fees, suit costs or pre-judgment interest. Notwithstanding the foregoing, the parties agree and understand that the provisions of this Article 11.10 do not apply to monies owed, if any, for services rendered to CONSULTANT by the CITY under the provisions of this Agreement.

11.11 INSURANCE

11.11.1 CONSULTANT shall provide and shall require all of its sub-consultants and sub-contractors to provide, pay for, and maintain in force at all times during the term of the Agreement, such insurance, including Commercial General Liability Insurance, Business Automobile Liability Insurance, Workers' Compensation Insurance, Employer's Liability Insurance, and Professional Liability Insurance, as stated below. Such policy or policies shall be issued by companies authorized to do business in the State of Florida and having agents upon whom service of process may be made in the State of Florida.

- A. The City is required to be named as additional insured on the Commercial General Liability insurance policy. BINDERS ARE UNACCEPTABLE. The insurance coverage required shall include those classifications, as listed in standard liability insurance manuals, which most nearly reflect the operations of the

CONSULTANT. Any exclusions or provisions in the insurance maintained by the CONSULTANT that precludes coverage for the work contemplated in this Agreement shall be deemed unacceptable, and shall be considered a breach of contract.

- B. The CONSULTANT shall provide the CITY an original Certificate of Insurance for policies required by Article 11. All certificates shall state that the CITY shall be given ten (10) days notice prior to expiration or cancellation of the policy. The insurance provided shall be endorsed or amended to comply with this notice requirement. In the event that the insurer is unable to accommodate, it shall be the responsibility of the CONSULTANT to provide the proper notice. Such notification will be in writing by registered mail, return receipt requested and addressed to the Finance Department. Such policies shall: (1) name the insurance company or companies affording coverage acceptable to the CITY, (2) state the effective and expiration dates of the policies, (3) include special endorsements where necessary. Such policies provided under Article 11 shall not be affected by any other policy of insurance, which the CITY may carry in its own name.
- C. CONSULTANT shall as a condition precedent of this Agreement, furnish to the City of Fort Lauderdale, c/o Project Manager, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, Certificate(s) of Insurance upon execution of this Agreement, which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

11.11.2 COMMERCIAL GENERAL LIABILITY

- A. Limits of Liability:
- | | |
|---|---|
| Bodily Injury and Property Damage - Combined Single Limit | |
| Each Occurrence | \$1,000,000 |
| Project Aggregate | \$1,000,000 [Limits to be reviewed by PM and Risk for projects over \$1M] |
| General Aggregate | \$2,000,000 |
| Personal Injury | \$1,000,000 |
| Products/Completed Operations | \$1,000,000 |
- B. Endorsements Required:
- City of Fort Lauderdale included as an Additional Insured
 - Broad Form Contractual Liability
 - Waiver of Subrogation
 - Premises/Operations
 - Products/Completed Operations
 - Independent Contractors
 - Owners and Contractors Protective Liability

11.11.3 BUSINESS AUTOMOBILE LIABILITY

- A. Limits of Liability:
Bodily Injury and Property Damage - Combined Single Limit
All Autos used in completing the contract
Including Hired, Borrowed or Non-Owned Autos
Any One Accident \$1,000,000
- B. Endorsements Required:
Waiver of Subrogation

11.11.4 WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY

Limits: Workers' Compensation – Per Florida Statute 440
Employers' Liability - \$500,000

Any firm performing work on behalf of the City of Fort Lauderdale must provide Workers' Compensation insurance. Exceptions and exemptions can only be made if they are in accordance with Florida Statute. For additional information contact the Department of Financial Services, Workers' Compensation Division at (850) 413-1601 or on the web at www.fldfs.com.

Consultant must be in compliance with all applicable State and Federal workers' compensation laws, including the U.S. Longshore Harbor Workers' Act or Jones Act.

11.11.5 PROFESSIONAL LIABILITY/ERRORS AND OMISSIONS COVERAGE

Each Claim	\$1,000,000
General Aggregate Limit	\$2,000,000
Deductible-	not to exceed \$100,000

- 11.11.6 All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida, with the following qualifications:

The Consultant's insurance must be provided by an A.M. Best's "A-" rated or better insurance company authorized to issue insurance policies in the State of Florida, subject to approval by the City's Risk Manager. Any exclusions or provisions in the insurance maintained by the Consultant that precludes coverage for work contemplated in this project shall be deemed unacceptable, and shall be considered breach of contract.

Compliance with the foregoing requirements shall not relieve the CONSULTANT of their liability and obligation under this section or under any other section of this Agreement.

The CONSULTANT shall be responsible for assuring that the insurance certificates required in conjunction with this Section remain in force for the duration of the Project. If insurance certificates are scheduled to expire during the contractual period, the CONSULTANT shall be responsible for submitting new or renewed insurance certificates to the CITY at a minimum of thirty (30) calendar days in advance of such expiration. In the event that expired certificates are not replaced with new or renewed certificates that cover the contractual period, the CITY shall:

- A. Suspend the Agreement until such time as the new or renewed certificates are received by the CITY.
- B. The CITY may, at its sole discretion, terminate the Agreement for cause and seek damages from the CONSULTANT in conjunction with the violation of the terms and conditions of the Agreement.

11.12 REPRESENTATIVE OF CITY AND CONSULTANT

11.12.1 The parties recognize that questions in the day-to-day conduct of the Project will arise. The Contract Administrator, upon CONSULTANT's request, shall advise CONSULTANT in writing of one (1) or more CITY employees to whom all communications pertaining to the day-to-day conduct of the Project shall be addressed.

11.12.2 CONSULTANT shall inform the Contract Administrator in writing of CONSULTANT's representative to whom matters involving the conduct of the Project shall be addressed.

11.13 ALL PRIOR AGREEMENTS SUPERSEDED

This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein; and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document. Accordingly, the parties agree that no deviation from the terms hereof shall be predicated upon any prior representations or agreements whether oral or written.

It is further agreed that no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.

11.14 CONSULTANT'S STAFF

CONSULTANT will provide the key staff identified in their proposal for the Project as long as said key staff are in CONSULTANT's employment.

CONSULTANT will obtain prior written approval of Contract Administrator to change key staff. CONSULTANT shall provide Contract Administrator with such information as necessary to determine the suitability of any proposed new key staff. Contract Administrator will be reasonable in evaluating key staff qualifications.

If Contract Administrator desires to request removal of any of CONSULTANT's staff, Contract Administrator shall first meet with CONSULTANT and provide reasonable justification for said removal.

11.15 INDEPENDENT CONTRACTOR

CONSULTANT is an independent contractor under this Agreement. Services provided by CONSULTANT shall be subject to the supervision of CONSULTANT. In providing the services, CONSULTANT or its agents shall not be acting and shall not be deemed as acting as officers, employees, or agents of the CITY. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this Agreement shall be those of CONSULTANT. The parties expressly acknowledge that it is not their intent to create any rights or obligations in any third person or entity under this Agreement.

11.16 THIRD PARTY BENEFICIARIES

Neither CONSULTANT nor CITY intends to directly or substantially benefit a third party by this Agreement. Therefore, the parties agree that there are no third party beneficiaries to this Agreement and that no third party shall be entitled to assert a claim against either of them based upon this Agreement.

11.17 CONFLICTS

Neither CONSULTANT nor its employees shall have or hold any continuing or frequently recurring employment or contractual relationship that is substantially antagonistic or incompatible with CONSULTANT's loyal and conscientious exercise of judgment related to its performance under this Agreement.

CONSULTANT agrees that none of its officers or employees shall, during the term of this Agreement, serve as expert witness against CITY in any legal or administrative proceeding in which he or she is not a party, unless compelled by court process, nor shall such persons give sworn testimony or issue a report or writing, as an expression of his or her expert opinion, which is adverse or prejudicial to the interests of CITY or in connection with any such pending or

threatened legal or administrative proceeding. The limitations of this Section shall not preclude such persons from representing themselves in any action or in any administrative or legal proceeding.

In the event CONSULTANT is permitted to utilize subconsultants to perform any services required by this Agreement, CONSULTANT agrees to prohibit such subconsultants, by written contract, from having any conflicts as within the meaning of this Section.

11.18 CONTINGENCY FEE

CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for CONSULTANT, to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for CONSULTANT, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. For a breach or violation of this provision the City Commission shall have the right to terminate this Agreement without liability at its discretion, or to deduct from the Agreement price or otherwise recover the full amount of such fee, commission, percentage, gift or consideration.

11.19 WAIVER OF BREACH AND MATERIALITY

Failure by CITY to enforce any provision of this Agreement shall not be deemed a waiver of such provision or modification of this Agreement.

CITY and CONSULTANT agree that each requirement, duty, and obligation set forth herein is substantial and important to the formation of this Agreement and, therefore, is a material term hereof.

11.20 COMPLIANCE WITH LAWS

CONSULTANT shall comply with all federal, state, and local laws, codes, ordinances, rules, and regulations in performing its duties, responsibilities, and obligations related to this Agreement.

11.21 SEVERANCE

In the event this Agreement or a portion of this Agreement is found by a court of competent jurisdiction to be invalid, the remaining provisions shall continue to be effective unless CITY or CONSULTANT elects to terminate this Agreement. The election to terminate this Agreement based upon this provision shall be made within seven (7) days after the findings by the court become final.

11.22 JOINT PREPARATION

Preparation of this Agreement has been a joint effort of CITY and CONSULTANT

With a copy to: City Manager
City of Fort Lauderdale
100 North Andrews Avenue
Fort Lauderdale, FL 33301
Telephone: (954) 828-5364

City Attorney
City of Fort Lauderdale
100 North Andrews Avenue
Fort Lauderdale, FL 33301
Telephone: (954) 828-5037

CONSULTANT: Brian S. Hathaway, P.E.
Project Manager / Principal Engineer
AMEC Environment & Infrastructure, Inc.
2580 Metrocentre Boulevard Suite #6,
West Palm Beach, FL 33407
Office: (561) 242-7713 x 13
Cell: (561) 248-9136
Fax: (561) 242-5591

11.28 ATTORNEY FEES

If CITY or CONSULTANT incurs any expense in enforcing the terms of this Agreement through litigation, the prevailing party in that litigation shall be reimbursed for all such costs and expenses, including but not limited to court costs, and reasonable attorney fees incurred during litigation.

11.29 PERMITS, LICENSES AND TAXES

CONSULTANT shall, at its own expense, obtain all necessary permits and licenses, pay all applicable fees, and pay all applicable sales, consumer, use and other taxes required to comply with local ordinances, state and federal law. CONSULTANT is responsible for reviewing the pertinent state statutes regarding state taxes and for complying with all requirements therein. Any change in tax laws after the execution of this Agreement will be subject to further negotiation and CONSULTANT shall be responsible for complying with all state tax requirements.

11.30 TRUTH-IN-NEGOTIATION CERTIFICATE

Signature of this Agreement by CONSULTANT shall act as the execution of a Truth-in-Negotiation Certificate stating that wage rates and other factual unit costs supporting the compensation of this Agreement are accurate, complete, and current at the time of contracting. The original contract price and any additions thereto shall be adjusted to exclude any significant sums, by which the CITY determines that contract price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs.

11.31 EVALUATION

The CITY maintains the right to periodically review the performance of the CONSULTANT. This review will take into account the timely execution of Task Orders, the quality of the work performed, the cost to the CITY and the good faith efforts made by the CONSULTANT to maintain MBE/WBE participation in CITY projects. Any deficiencies in performance will be described in writing and an opportunity afforded, where practicable, for the CONSULTANT to address and/or remedy such deficiencies.

11.32 STATUTORY COMPLIANCE

CONSULTANT shall prepare all documents and other materials for the Project in accordance with all applicable rules, laws, ordinances and governmental regulations of the State of Florida, Broward County, the City of Fort Lauderdale, Florida and all governmental agencies having jurisdiction over the services to be provided by CONSULTANT under this Agreement or over any aspect or phase of the Project.

[REMAINDER OF THE PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written above.

CITY

CITY OF FORT LAUDERDALE, a
municipal corporation of the State of
Florida

By 

LEE R. FELDMAN, City Manager

(CORPORATE SEAL)



ATTEST:



JONDA K. JOSEPH
City Clerk

Approved as to form:



CARRIE L. SARVER
Assistant City Attorney

CONSULTANT

WITNESSES:

AMEC Environment & Infrastructure, Inc.,
A Nevada Corporation authorized to
do business in the State of Florida

J. Vonne Mathiesen
Jovonne Mathiesen
(Witness print name)

By [Signature]
Name: Lytle C. Troutt, Jr.
Title: Sr. Vice President

Cynthia A Collins
Cynthia A Collins
(Witness print name)

ATTEST:

AMEC Environment & Infrastructure, Inc.
SEAL
(CORPORATE SEAL)
STATE OF Georgia
COUNTY OF Fulton

By [Signature]
Assist. Secretary

The foregoing instrument was acknowledged before me this 12th day of December, 2013, by Lytle C. Troutt, Jr. and David K. Baxter as Sr. Vice President and Assist. Secretary respectively, of AMEC Environment & Infrastructure, Inc. They are personally known to me or have produced _____ as identification.

SEAL
Christine Dunn
Notary Public
Commission Expires
March 3, 2014
Paulding County, Georgia

[Signature]
Notary Public, State of
(Signature of Notary taking Acknowledgment)

Christine Dunn
Name of Notary Typed, Printed or Stamped

My Commission Expires:
March 3, 2014
Commission Number

EXHIBIT "A"

SCOPE OF SERVICES

The CONSULTANT shall perform the following professional services related to a continuing contract for geotechnical engineering and laboratory testing consultant services and shall include, but not be limited to, the following services as authorized by individual Task Orders for individual projects.

Work will include testing of soil, lime rock, concrete and asphalt testing, and any other specialized testing services that may be required for the design and construction of municipal projects. Testing services will be requested on an as needed, when needed basis. The nature of the work requires that testing laboratories be familiar with the Fort Lauderdale area, possessing a high degree of local information, with local facilities staffed throughout the normal eight (8) hour workday, at least five (5) days per week. In addition, the ability to work nights, holidays, and week-ends will be required when necessary. Quantity of work will vary throughout the contract term.

This is a continuing contract in accordance with Florida Statute 287.055(2)(g). Interested firms must provide full **Geotechnical Engineering / study activity professional services** to the City using in-house staff or subconsultant services complying with FDOT, AWS, AISC standards and maintain CMEC and FDOT certification.

A. Geotechnical Engineering & Construction Material Testing

Drilled Rig & Crew Mobilization/demobilization

Truck Mounted Rig

Mudbug

Barge & Amphibious

Standard Penetration Test & Split-Barrel Sampling of Soils (ASTM D1586)

0 to 50 feet

50 to 100 feet

100 to 150 feet

150 to 200 feet

Soil Investigation & Sampling by Auger Boring (ASTM D1452)

0 to 50 feet

50 to 100 feet

Thin-Wall (Shelby Tube) Sampling of Soils (ASTM D1587)

Rock Core Drilling & sampling (ASTM D2113)

0 to 50 feet

50 to 100 feet

100 to 150 feet

150 to 200 feet

Grout to seal Borehole

0 to 50 feet

50 to 100 feet

100 to 150 feet

150 to 200 feet

Piezometer (monitoring well) Installation

0 to 50 feet

50 to 100 feet

Laboratory Density-Moisture relations of Soils

Standard Proctor (ASTM D698) AASHTO T-99

Modified Proctor (ASTM D1557) AASHTO T-180

Field Density Determination of Soils using Nuclear gauge Method (ASTM D2922)

Density of Soils by Drive-cylinder Method (ASTM D2937)

Density of Soil by Sand Cone Method (ASTM D1556)

Density of Soil by Sleeve Method (ASTM D4564)

Lime rock Bearing Ratio Test (FM-5-515)

Lime rock Analysis Test, including carbonates of Calcium & Magnesium, Oxides of Iron & aluminum

Laboratory California Bearing Ratio, CBR (ASTM D1883)

In-place California Bearing Ratio, CBR (ASTM D4429)

Dynamic Cone Electrometer (ASTM D6951)

Soil Visual Classifications Test (ASTM D2488)

Moisture Content Determination of Soils (ASTM D2216)

Atterberg Limits of Soils (ASTM D424)

Organic Content Determination of Soils (ASTM D2974)

Soils Particle Size Distribution (ASTM D6913)

Hydraulic Conductivity of Soils-Constant Head Method (ASTM D2434)

Hydraulic Conductivity of Soils using Flexible Wall membrane (ASTM D5084)

Field Hydraulic Conductivity Test of Soils (percolation-Exfiltration) Using South Florida Water Management-Constant Head Method)

Field Hydraulic Conductivity Test of Soils Using Double Ring Infiltration Method (ASTM D3385)

Soil Resistivity Test

- i. Laboratory Method (ASTM G187)
- ii. Field Method (ASTM G57)

Fresh Concrete Sampling & Testing

- i. Slump Test (ASTM C143)
- ii. Air Content (ASTM C173 or C231)

Compressive Strength Determination of Concrete Cylinders (ASTM C39)

Flexural Strength of Concrete Beam (ASTM C78)

Casting and Compressive Strength Determination of cub specimens (ASTM C109)

Concert Coring and Compressive Strength Determination (ASTM C42)

Compressive Strength Determination of In-place Concrete using Rebound Hammer (ASTM C805)

Compressive Strength Determination of In-place Concrete using Windsor Probe (ASTM C803)

Asphalt Coring and Sampling

Bulk Specific Gravity & Density Determination of Compacted Asphalt Cores (ASTM D2726)

Maximum Theoretical Density Determination (ASTM D2041)

Asphalt Extraction Test (ASTM D2172)

Field Density Determination of Asphalt using Nuclear Gauge Method (ASTM D2950)

Asphalt Inspection on Airfield Projects Specifically with (P-401) Design Mix

GPR Ground penetrating Radar (ASTM D6432)

Trip charge to collect samples, not to exceed \$60.00

B. Field Quality Control/Quality Assurance

Pile Driving Analyzer (PDA)

Pile Integrity Testing (PIT)

Drilled Shaft Installation Inspection (CTQP Requirements)

Auger-cast Pile Inspection

Crosshole Sonic Logging (CSL) of Drilled Shafts

C. Structural Testing

Welding Inspection

Bold Tension Test

Magnetic Particle Test

Dye Penetration Test

Radiographic Test (2-man Crew)

Ultrasonic Test

X-ray Test

Welding Inspection

D. Sprayed Fire Resistive Materials

Thickness Test (ASTM E605)

Unit Weight Test (ASTM E605)

Adhesion/Cohesion (ASTM E736)

E. Professional Services

Principal Engineer
Registered Engineer
Registered Threshold Inspector
Project Engineer
Staff Engineer
AWS-CWI Inspector
Registered Roof Consultants
Senior Engineering Technician
Engineering Technician (Asphalt Plant CTQP Certified)

Engineering Technician (Drilled Shaft CTQP Certified)
Engineering Technician (ACI/CTQP Certified)

F – Miscellaneous

1. Laboratory charges in the event that scheduled field tests are cancelled and the laboratory was not notified at least 2-hours before the scheduled time. Includes travel time, all cost and incidentals.
2. Charges for standby time In the event that the Contractor's work is not ready for testing upon arrival of the Laboratory representative. Standby time shall commence 1 hour after the Laboratory representative arrives at the test site for the scheduled test, and must be signed and verified by the Coty's Inspector, and attached to the invoice by the testing company.
3. Mobilization charge, in the event that tests are scheduled between 6:00 p.m. and 6:00 a.m., Monday through Friday. This mobilization charge also applies to weekends and holidays. Includes travel time, all cost, and all incidentals.

EXHIBIT "B"

BILLING RATES FOR TASK ORDERS

AMEC Environment & Infrastructure, Inc.
(Prime Consultant)

LABOR CATEGORY	HOURLY RATE
Principal Engineer	\$140.00
Threshold Inspector (PE)	\$130.00
Senior Engineer- Registered Engineer / Project Manager	\$130.00
Project Engineer	\$100.00
Staff Engineer	\$85.00
Threshold Representative / Licensed Standard Building Inspector (BN) / Roofing Consultant	\$75.00
Senior Engineering Technician (CTQP Certified)	\$65.00
Field Technician (ACI Certified)	\$55.00
Draftsman	\$60.00
Clerical	\$45.00
Muck Probes, 2-man crew - Staff Engineer/Scientist plus Field Tech.	\$125.00
CTQP Certified Drilled Shaft Inspector / Pile Driving Inspector	\$65.00
Auger-cast Pile Inspector	\$65.00
Technician time on-site for sampling fresh concrete, casting test cylinders, conducting slump tests, temp, and standby time (ACI Certified)	\$55.00
Technician time for coring	\$55.00
Technician time for NDT testing of in-place concrete (pachometer, Windsor probe or Swiss hammer testing)	\$55.00
Welding Inspector (CWI)	\$75.00
Bolt Tension Test Inspector	\$65.00
Building & Roofing Inspector	\$75.00
Senior Engineer Technician - FDOT CTQP Certified - Paving Level I and II / Asphalt Plant Level I and II	\$65.00
Engineer Technician- FDOT CTQP Certified - Paving Level I	\$55.00

MISCELLANEOUS

1. Laboratory charges in the event that scheduled field tests are cancelled and the laboratory was not notified at least 2-hours before the scheduled time. Includes travel time, all cost and incidentals. - Charges for cancellations as described above will be in accordance with the appropriate labor category hourly rate for one individual.

2. Charges for standby time in the event that the Contractor's work is not ready for testing upon arrival of the Laboratory representative. Standby time shall commence 1 hour after the Laboratory representative arrives at the test site for the scheduled test, and must be signed and verified by the City's Inspector, and attached to the invoice by the testing company. - All standby time will be charged in accordance with the hourly fees listed on the rate schedule, depending on the title/qualification of the field representative covering the work.

3. Mobilization charge, in the event that tests are scheduled between 6:00 p.m. and 6:00 a.m., Monday through Friday. This mobilization charge also applies to weekends and holidays. Includes travel time, all cost, and all incidentals. - A surcharge of \$95 per event will be assessed for field work scheduled between 6:00 p.m. and 6:00 a.m. as well as during weekends or holidays.

Radise International, L.C.
(Geotechnical Engineering Subconsultant)

LABOR CATEGORY	HOURLY RATE
Principal Engineer	\$140.00
Senior Engineer- Registered Engineer	\$130.00
Project Engineer	\$100.00
Staff Engineer	\$85.00
Senior Engineering Technician (CTQP Certified)	\$65.00
Field Technician (ACI Certified)	\$55.00
Draftsman	\$60.00
Clerical	\$45.00
Muck Probes, 2-man crew - Staff Engineer/Scientist plus Field Tech.	\$125.00
Technician time for coring	\$55.00
Technician time on-site for sampling fresh concrete, casting test cylinders, conducting slump tests, temp, and standby time (ACI Certified)	\$55.00

Technician time for NDT testing of in-place concrete (pachometer, Windsor probe or Swiss hammer testing)	\$55.00
Senior Engineering Technician - FDOT CTQP Earthwork Level 1	\$65.00
Engineering Technician	\$55.00
Senior Engineer Technician - FDOT CTQP Certified - Paving Level I and II / Asphalt Plant Level I and II	\$65.00
Engineer Technician- FDOT CTQP Certified - Paving Level I	\$55.00

Foundation & Geotechnical Engineering, LLC
(Foundation Engineering and Geotechnical Testing Services Subconsultant)

LABOR CATEGORY	HOURLY RATE
Principal Engineer	\$140.00
Senior Engineer- Registered Engineer / Project Manager	\$130.00
Project Engineer	\$100.00
Staff Engineer	\$85.00
Draftsman	\$60.00
Clerical	\$45.00

AMEC Environment & Infrastructure, Inc.
(Prime Consultant)

and

Radise International, L.C.
(Geotechnical Engineering Subconsultant)

DRILLING EQUIPMENT MOBILIZATION (includes drill rig mileage)	UNIT PRICE	UNIT
Mud Bug - Round Trip (Not accessible to truck mounted equipment)		
0 - 50 Miles	\$1,000	mobilization
Truck - Mounted Rig cone trucks as well		
0 - 50 Miles	\$350.00	mobilization
Amphibious / Barge (Not accessible to truck mounted equipment)		

Amphibious - Mobilize Equipment	\$6,000	mobilization
Mobilize Equip- Barge - mounted Amphibious drill rig (Between Borings)	\$1,000	each
STANDARD PENETRATION TEST (SPT) BORINGS (ASTM D-1586)	5-FT SAMPLE INTERVALS	
0 - 25 ft (0 to 10 ft nearly continuous)	\$11.50	If
26 - 50 ft	\$12.50	If
51 - 100 ft	\$16.00	If
101 - 200 ft	\$24.00	If
Furnish, install & remove casing (3 inch diameter) 0 - 50 ft. 51-100 ft. 101-200 ft.	\$7.00 \$7.00 \$7.50	If
Furnish, install & remove casing (6 inch diameter) 0 - 50 ft. 51-100 ft. 101-200 ft.	\$12.00 \$13.00 \$14.00	If
Continuous Sampling- Extra Split Spoons		
0 - 50 ft	\$33.00	sample
51 - 100 ft	\$38.00	sample
101 - 200 ft	\$42.00	sample

Thin Wall (Shelby Tube) - Samples (0-100 ft depth)	\$100.00	sample
Borehole Grouting		
0 - 100 ft depth	\$4.50	If
101 - 200 ft depth	\$7.00	If
OTHER SUBSURFACE SAMPLING / EXPLORATION METHODS		
Wash Borings	\$10.00	If
Auger Borings, 3 or 4 inch Flight Auger 0 - 100 ft	\$10.00	If
Hand Auger Borings	\$10.00	If
Rock coring (4-inch) minimum 5' run		
0 - 100 ft	\$46.50	If
101 - 200 ft	\$65.00	If
GPR (Ground Penetrating Radar) (ASTM D 6432)	\$160.00	hour
MONITOR WELL INSTALLATION & TESTING		
Non-Environmental (2-inch diameter)*		
0 - 50 ft	\$35.00	If

51 - 100 ft	\$40.00	If
FIELD DRAINAGE / FOUNDATION / NDT TESTING SERVICES		
Field Permeability Tests - drill rig mobilization not included	\$350.00	test
Exfiltration Tests - drilling rig mobilization not included - SFWMD Usual Condition Method	\$350.00	test
Double Ring Infiltrometer Test	\$350.00	test
Soil Resistivity Test (ASTM G-57) Wenner Four-Electrode Method	\$85.00	hour
PDA Equipment Mobilization	\$450.00	mobilization
Pile Driving Analyzer (PDA) Equipment Usage	\$550.00	day
CAPWAP Analyses, including Labor, Equipment and Software	\$330.00	analyses
Wave Equation Analyses (WEAP), including Labor, Equipment and Software	\$350.00	analyses
Saximeter Equipment - Pile Driving Inspector	\$63.00	day
Pile Integrity Testing (PIT) Equipment Usage	\$300.00	day
Crosshole Sonic Logging (CSL) of Drilled Shaft Equipment Usage	\$300.00	day
Vibration/ Noise Monitoring Equipment - seismograph with geophone or microphone	\$150.00	day
CONSTRUCTION MATERIALS TESTING SERVICES		
SAMPLING & TESTING OF FRESH READY MADE CONCRETE		

Curing, capping and compressive strength testing of concrete cylinders in Consultant's laboratory (ASTM C 39)	\$15.00	cylinder
Air Content Tests (ASTM C 173 or ASTM C 231)	\$15.00	test
Unit Weight Tests	\$15.00	test
Yield Tests (Calculation only; does not include time at the plant)	\$30.00	test
Plant Control (Precast Yard Inspection)	\$65.00	hour
Verification of Mix Design	\$155.00	design
Fineness Modulus	\$60.00	test
Concrete Block Strength Test (gross area)	\$70.00	block
Concrete Block Absorption & Strength Test (net area)- 3 Blocks/Set	\$120.00	set
Flexural Strength of Concrete Beam (ASTM C 78)	\$110.00	set
Casting and Compressive Strength of Hydraulic Cement Mortars using Cube Specimens (ASTM C 109)	\$15.00	test
SAMPLING & TESTING OF IN-PLACE CONCRETE		
Mobilization for coring - stand up core drill	\$130.00	mobilization
Diamond bit usage charge for concrete coring	\$5.00	in. of dia.
Trimming, measuring, capping, curing & testing of concrete cores	\$40.00	core

Windsor Probe charges (set of 3)	\$35.00	set
SITE PREPARATION MONITORING & TESTING		
In-situ Density Tests - Nuclear Gauge Method (ASTM D 2922)	\$55.00	hour
In-situ Density Tests - Sand Cone Method (ASTM D 1556)	\$55.00	hour
In-situ Density Tests - Drive Cylinder Method (ASTM D 2937)	\$55.00	hour
In-situ Density Tests - Drive Sleeve Method (ASTM D 4564) - ASTM withdrawn in 2013	\$55.00	hour
Dynamic Cone Penetrometer Testing (ASTM D 6951)	\$55.00	hour
Static Cone Penetrometer Testing	\$55.00	hour
STRUCTURAL & BUILDING CONSTRUCTION INSPECTION SERVICES		
Magnetic Particle Test	\$90.00	hour
Dye Penetration Test	\$90.00	hour
Radiographic Test (2-man crew)	\$150.00	hour
Ultrasonic Test	\$90.00	hour
X-ray Test	\$90.00	hour
Sprayed Fire Resistive - Thickness Test (ASTM E 605)	\$65.00	hour

Sprayed Fire Resistive - Unit Weight Test (ASTM E 605)	\$35.00	test
Sprayed Fire Resistive - Adhesion/Cohesion (ASTM E 736)	\$75.00	hour
SOILS LABORATORY SERVICES		
Trip Charge - to collect samples	\$60.00	trip
Soil Visual Classification Test (ASTM D 2488)	\$85.00	hour
Standard or Modified Proctor - moisture density relationships (ASTM D 698 and D 1557) or (T-99 and T-180)	\$150.00	test
Limerock Bearing Ratio (FM 5-515)	\$225.00	test
Laboratory California Bearing Ratio, CBR (ASTM 1883)	\$250.00	test
In-Place California Bearing Ratio, CBR (ASTM D 4429) - Two Engineering Technicians	\$130.00	hour
Moisture Content (ASTM D 2216)	\$10.00	test
Organic Content (ASTM D 2974)	\$35.00	test
Sieve Analysis (Complete) (ASTM D 6913)	\$60.00	test
Sieve Analysis (-200 only) (ASTM D 1140)	\$30.00	test
Hydrometer Analysis (does not include +200 sieve analysis) (ASTM D 422)	\$100.00	test
Atterberg Limits (ASTM D-4318)	\$65.00	test

Corrosion Series (pH, Sulphates, Chloride, Resistivity) (FDOT)	\$130.00	test
Soil Resistivity (ASTM G-187)	\$45.00	test
Specific Gravity (ASTM D 854)	\$80.00	test
Unit Weight Determination (ASTM D 2937 and D 2216)	\$60.00	test
Calcium Carbonate of Aggregates (ASTM D 3042)	\$75.00	test
Consolidation Testes (ASTM D-2435) up to 12 load increments	\$450.00	test
Consolidation Test, additional load increment	\$40.00	each
Hydraulic Conductivity tests of Granular Soils (Constant Head) (ASTM D 2434)	\$225.00	test
Hydraulic Conductivity tests - Flexible Wall Permeameter (ASTM D 5084)	\$350.00	test
Unconfined Compression Test (soil) (ASTM D 1266)	\$80.00	test
Unconfined Compression Test (rock) (ASTM D 7012)	\$90.00	test
Splitting Tensile Test (rock) (ASTM D 3967)	\$90.00	test
Triaxial Test - Unconsolidated-Undrained (UU) (ASTM D 2850)	\$180.00	point
Triaxial Test - Consolidated - Undrained (CU) (ASTM D 4767)	\$245.00	point
Triaxial Test - Consolidated - Drained (CD) (USACE)	\$245.00	point
Preparation of samples for consolidation, permeability or strength tests	\$50.00	sample

ASPHALT FIELD AND LABORATORY SERVICES		
In-situ Density Tests - Nuclear Gauge Method (ASTM D 2950)	\$55.00	hour
Ignition of Asphalt for Asphalt Content and Extraction & Gradation (ASTM D 2172 or D 6752)	\$185.00	sample
Marshal Stability & Flow	\$125.00	set of 3 pills
Bulk Specific Gravity & Density of Compacted Asphalt Cores (ASTM D 2726)	\$35.00	sample
Theoretical Maximum Specific Gravity and Density (ATM D 2041)	\$150.00	sample
Field Inspection and Sampling		
Mobilization for coring - stand-up core drill / core trailer	\$130.00	mobilization
Pavement Condition Assessment	\$75.00	hr

Foundation & Geotechnical Engineering, LLC
(Foundation Engineering and Geotechnical Testing Services Subconsultant)

FOUNDATION TESTING SERVICES	UNIT PRICE	UNIT
PDA Equipment Mobilization	\$450.00	mobilization
Pile Driving Analyzer (PDA) Equipment Usage	\$550.00	day
CAPWAP Analyses, including Labor, Equipment and Software	\$330.00	each
Wave Equation Analyses (WEAP), including Labor, Equipment and Software	\$350.00	each
Pile Integrity Testing (PIT) Equipment Usage	\$300.00	day
Crosshole Sonic Logging (CSL) of Drilled Shaft Equipment Usage	\$300.00	day
Thermal Integrity Profiler	\$375.00	day
Vibration/ Noise Monitoring Equipment - seismograph with geophone or microphone	\$150.00	day



2580 MetroCentre Blvd, Suite 6, West Palm Beach, Florida 33407 ■ 561.242.7713 ■ amec.com

May 29, 2013

City of Fort Lauderdale
Fort Lauderdale City Hall
Department of Procurement Services
100 N. Andrews Avenue, No. 619
Fort Lauderdale, FL 3330

Re: RFQ No. 636-11225, Geotechnical Engineering and Laboratory Testing Services

Dear Selection Committee Members:

In response to your recent advertisement, **AMEC Environment & Infrastructure, Inc. (AMEC)** respectfully requests the Engineering Department's consideration for the **Geotechnical Engineering and Laboratory Testing Services** contract.

AMEC is pleased to present our extremely qualified team to the City of Fort Lauderdale that has been selected based on unique qualifications, performance records, and technical competency providing similar professional services that are requested under this contract. AMEC has significant and relevant project experience providing quality geotechnical and materials testing services for various local municipalities and state and federal agencies that include but not limited to the City of West Palm Beach, Broward and Miami-Dade County Public Works Departments, School Districts of Palm Beach, Broward, and Miami-Dade Counties, the Florida Department of Transportation (FDOT) D4/D6, Florida's Turnpike Enterprise, South Florida Water Management District (SFWMD), Broward County Aviation Department (BCAD), Florida East Coast (FEC) Railway, Tri-Rail Commuter Rail, and Fort Lauderdale Port Authority, along with various design-build projects which include Jewfish Creek Bridge, NW 5th Street Bridge, I-395, and the I-595 Corridor Improvement Program.

AMEC has teamed with **Foundation & Geotechnical Engineering, LLC (FGE)** to provide specialty non-destructive testing (NDT) services on deep foundation elements — PDA/EDC testing, PIT, CSL, and TIP, and **RADISE International, LC, (RADISE)** as a combined resource for geotechnical engineering design and drilling assistance. **RADISE is a Florida Certified Disadvantaged Business Enterprise firm.**

Our team has been carefully assembled to combine complimentary talents and relevant experience to create a strong, focused team that is available and committed to meeting the needs of the City in a timely and cost-effective manner. The AMEC team is prepared to provide the City with all of the necessary field and testing resources along with fully competent and experienced CTQP certified field and laboratory testing technicians, threshold special inspector, licensed building inspectors, roofing consultants, certified welding inspectors, staff geotechnical engineers, project geotechnical engineers, senior geotechnical engineers, principal geotechnical engineers, a chief geotechnical engineer, GIS, MicroStation and CADD operators, maintenance of traffic personnel, PDA/EDC, PIT testing, CSL specialists, and administrative and technical support personnel.

The AMEC team is committed to providing the City of Fort Lauderdale with superior professional services utilizing a highly qualified technical team of engineering and inspection personnel, project managers, and all available resources for the full duration of this contract.

Service Record

Geotechnical engineering, construction materials testing (cmt) and structural/special inspections are AMEC's Flagship services. We have repeatedly provided appropriately trained personnel to our clients who have proven themselves to be responsible individuals, are able to execute their jobs safely, and are reliable on a daily basis. AMEC continuously receives "Above Satisfactory" performance ratings on our professional services contracts and we are committed to providing the same, high level, quality services to the City of Fort Lauderdale.

Quality People and Resources

AMEC offers the City and this contract the combined resources that are available from both of our South Florida offices located in West Palm Beach and Miami Lakes, Florida. Our offices offer full-service materials testing laboratories that are accredited by FDOT/CMEC/USACE. We are proud to provide the City with experts in the fields of materials engineering, construction materials testing, and inspection. AMEC has the necessary engineering, testing and inspection personnel, calibrated testing equipment, and extensive resources that are critical to the success of this contract. Collectively our team's South Florida offices employ more than 100 engineering and inspection personnel, who specialize in civil and geotechnical engineering, environmental remediation, and are fully qualified by ACI/CTQP in all of the construction materials testing and inspection services listed in the Request for Qualifications.

AMEC has invested heavily in training, allowing us to be fully certified, equipped, and experienced in all of the necessary testing and reporting requirements. We understand the City's scope for testing and investigations and have the in-house expertise available for the completion of all necessary tasks and record keeping. AMEC currently holds a FDOT Materials Testing Contract for D4/D6 and our staff is extensively familiar with FDOT's quality standards, technical specifications, and protocols for sample processing, testing, and reporting in Laboratory Information Management System (LIMS). In addition, AMEC is familiar with updating existing databases and Geographical Information System (GIS) for construction materials testing and inspection information. We will utilize our expertise and experience to ensure that the City is 100 percent satisfied with our performance.

Standard of Excellence

AMEC abides by a strict policy of quality assurance and safety that addresses personnel and job site safety, staff qualifications and training, equipment maintenance and calibrations, third party audits and national accreditation, and QA review of technical and engineering work products. Our QA/QC activities are verified annually by internal and third party external audits.

AMEC Florida Regional Manager **Mr. Michael Nardone, PG**, will be assigned as the Principal-in-Charge of this engagement and will assure that all of AMEC's resources are fully available to assist in the successful implementation of any task and is authorized to negotiate with the City of Fort Lauderdale. **Mr. Brian S. Hathaway, PE**, will be the Contract/Project Manager for this opportunity and will be the local point of contact for the City.

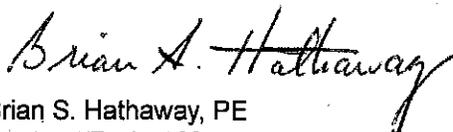
We are confident that the following pages will demonstrate that AMEC's team consists of experienced professionals with relevant project experience that will come to bear on this contract.

The AMEC team clearly understands that the fundamentals of complete client satisfaction are safety, staffing, communication, responsiveness, timelines, consistency, quality, and cost controls. We appreciate your consideration for this assignment and look forward to developing a professional working relationship with your staff.

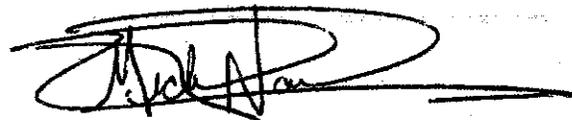
Respectfully,

AMEC Environment & Infrastructure, Inc.

Sincerely,



Brian S. Hathaway, PE
Contract/Project Manager
561.242.7713
brian.hathaway@amec.com



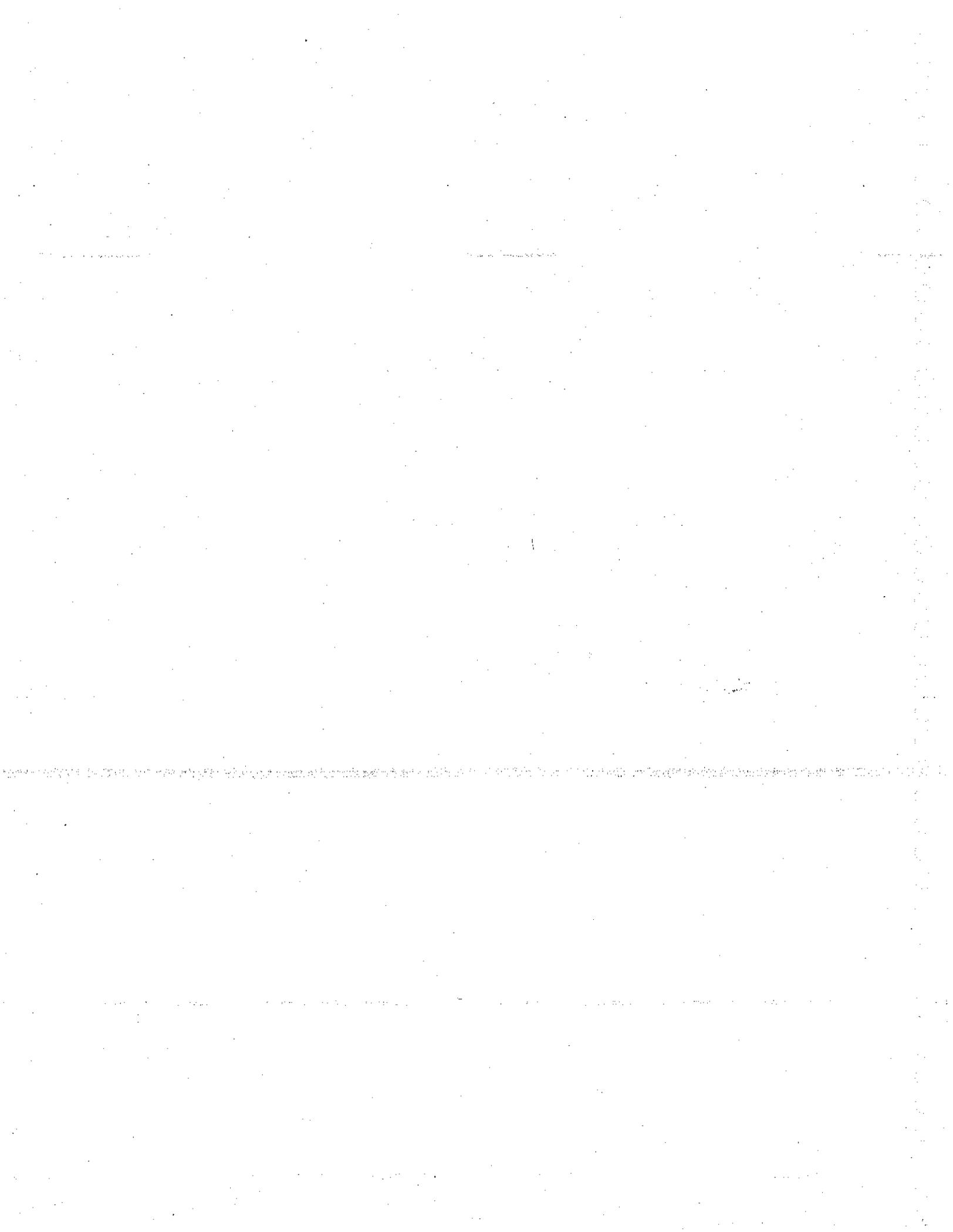
Michael Nardone, PG
Principal-in-Charge
305.826.5588 ext. 217
michael.nardone@amec.com



City of Fort Lauderdale

Geotechnical Engineering and Laboratory Testing Services

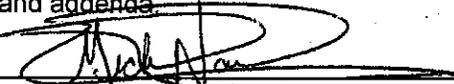
Proposal Letter/Letter of Interest/Proposal Signature Form	
Letter of Interest.....	3
Proposal Signature Form.....	5
Addendums.....	7
Qualifications of the Firm	
SF 330, Part I, Sections A-D.....	9
SF 330, Part I, Section E.....	11
SF 330, Part I, Section F.....	36
SF 330, Part I, Section G.....	46
SF 330, Part I, Section H.....	47
SF 330, Part I, Section, I.....	53
SF 330, Part II.....	54
Licenses and Certifications.....	62
Qualifications of Project Team	
Key Personnel.....	66
Qualifications of Project Team.....	68
Project Manager's Experience	
Project Manager Brian Hathaway, PE.....	75
Approach to Scope of Work	
Overall Approach.....	77
City Involvement.....	78
Current Work Load.....	78
Methodology for Implementin/Accomplishing the Project.....	79
Innovative, Technological Capabilities, and Available Resources.....	80
AMEC's Safety Program.....	80
References	
Reference Chart.....	83
M/WBE Participation	
MBE/WBE Utilization.....	85
Sample Insurance Certificate	
Certificates of Insurance.....	87
Joint Ventures	
Joint Ventures Statement.....	91
Subconsultants	
Foundation & Geotechnical Engineering, LLC (FGE).....	93
RADISE International LC (RADISE).....	93
Non-Collusion Statement	
Non-Collusion Statement.....	95



PROPOSAL SIGNATURE PAGE

How to submit proposals: Proposals must be submitted by hard copy only. It will be the sole responsibility of the Proposer to ensure that the proposal reaches the City of Fort Lauderdale, City Hall, Procurement Services Division, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the proposal due date and time listed. Proposals submitted by fax or email will not be accepted.

The below signed individual hereby agrees to furnish services subject to all instructions, terms, conditions, specifications, and addenda contained in the Request For Qualifications (RFQ). I have read the RFQ and all attachments including the specifications and fully understand what is required. By submitting this signed Proposal I understand any resulting City contract will be subject to RFQ instructions, terms, conditions, specifications, and addenda.

Submitted by:  05/29/2013
(Signature) (Date)

Name (Printed) Michael Nardone, PG Title: Florida Regional Manager

Company: (Legal Registration) AMEC Environment & Infrastructure, Inc.

FOREIGN CORPORATIONS MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501 (visit <http://www.dos.state.fl.us/>).

Address: 2580 MetroCentre Blvd, Suite 6

City West Palm Beach State: FL Zip 33407

Telephone No. 561.242.7713 FAX No. 561.242.5591 Email: michael.nardone@amec.com

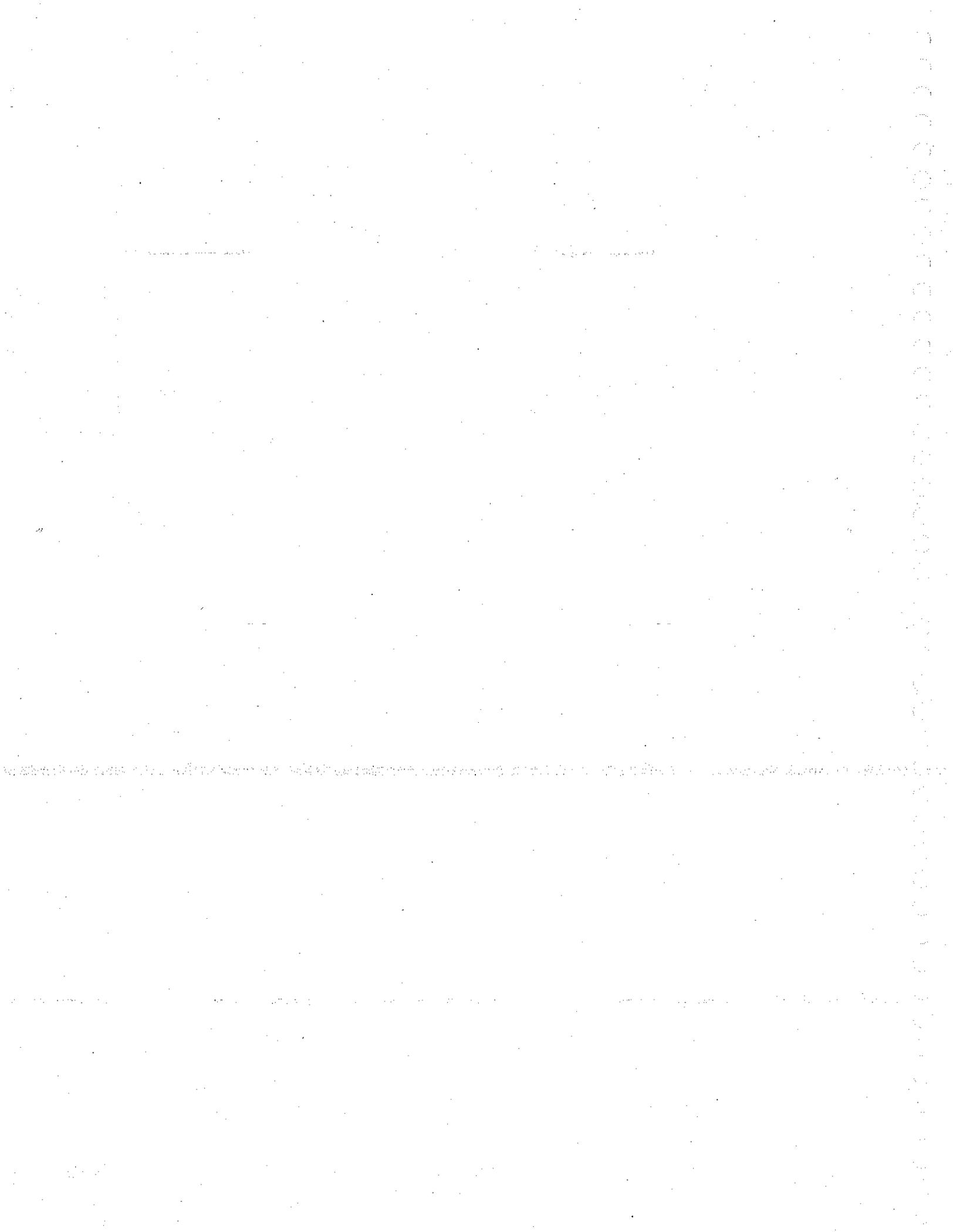
Does your firm qualify for MBE or WBE status (General Conditions Section 1.09)? MBE WBE

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in its proposal:

<u>Addendum No.</u>	<u>Date Issued</u>
No. 1	05/03/13
No. 2	05/24/13

Payment by P-CARD: Will your firm accept the City's Credit Card as payment for services performed under a resulting contract?

YES NO





City of Fort Lauderdale • Procurement Services Department
100 N. Andrews Avenue, #619 • Fort Lauderdale, Florida 33301
954-828-5933 FAX 954-828-5576
purchase@fortlauderdale.gov

ADDENDUM NO. 1

ITB/RFP 636-11225

Geotechnical Engineering and Laboratory Testing Services ISSUED 5/3/13

1. This addendum is being issued to make the following change:

Please be advised that a new section shall be added to PART III – SCOPE OF SERVICES. It is as follows:

F. Miscellaneous

1. Laboratory charges, in the event that scheduled field tests are cancelled and the laboratory was not notified at least 2-hours before the scheduled time. Includes travel time, all costs, and all incidentals.
2. Charges for standby time, in the event that the Contractor's work is not ready for testing upon arrival of the Laboratory representative. Standby time shall commence 1 hour after the Laboratory representative arrives at the test site for the scheduled test, and must be signed and verified by the City's Inspector, and attached to the invoice by the testing company.
3. Mobilization charge, in the event that tests are scheduled between 6:00 p.m., and 6:00 a.m., Monday through Friday. This mobilization charge also applies to weekends and holidays. Includes travel time, all costs, and all incidentals.

All other terms, conditions, and specifications remain unchanged.

James T. Hemphill
Sr. Procurement Specialist

Company Name: AMEC Environment & Infrastructure, Inc.

Bidder's Signature:  (please print)

Date: 05/29/2013



City of Fort Lauderdale • Procurement Services Department
100 N. Andrews Avenue, #619 • Fort Lauderdale, Florida 33301
954-828-5933 FAX 954-828-5576
purchase@fortlauderdale.gov

ADDENDUM NO. 2

ITB/RFP 636-11225

Geotechnical Engineering and Laboratory Testing Services ISSUED 5/24/13

1. This addendum is being issued to inform of a change in the documents page of BIDSYNC.COM.

Please be advised that on May 1, 2013 a document entitled "Master RFQ for Continuing Contracts CCNA" was deleted from the Documents Page in Bldsync.com.

On May the 3rd, a new document entitled "Master Professional Services Agreement" was added.

Please assure that you have the downloaded the correct documents and if you downloaded documents on or before May 1, 2013, that you discard the "Master RFQ for Continuing Contracts CCNA" document.

All other terms, conditions, and specifications remain unchanged.

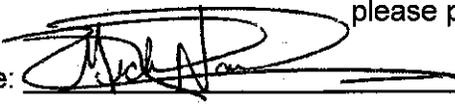
James T. Hemphill
Sr. Procurement Specialist

Company

Name: AMEC Environment & Infrastructure, Inc.

(please print)

Bidder's

Signature: 

Date: 05/29/2013



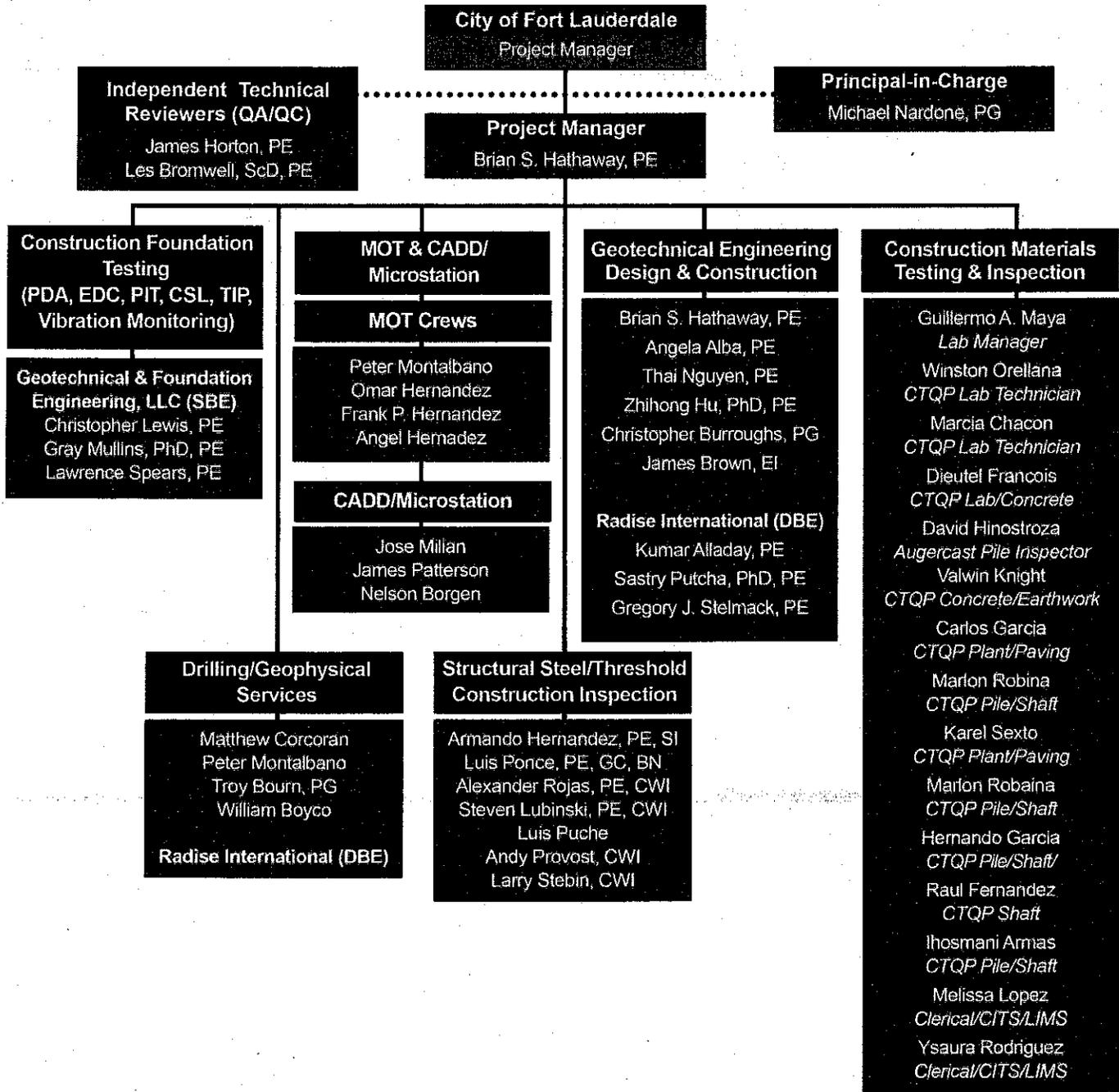
ARCHITECT / ENGINEER QUALIFICATIONS PART I - CONTRACT SPECIFIC QUALIFICATIONS

Qualifications of the Firm

A. Contract Information	
1. Title Geotechnical Engineering and Laboratory Testing Services	Location (City and State) Fort Lauderdale, Florida
2. Public Notice Date May 8, 2013	3. Solicitation or Project Number RFQ No. 636-11225
B. Architect / Engineer Point of Contact	
4. Name/Title Michael Nardone, PG - Florida Regional Manager	5. Name of Firm AMEC Environment & Infrastructure, Inc.
6. Telephone Number 305.826.5588	7. Fax Number 305.826.1799
	8. E-Mail Address michael.nardone@amec.com

C. Proposed Team Complete this section for the prime contractor and all other firms proposed for this contract. If a firm has branch offices, complete this section for the particular branch office(s) proposed for the contract.

Check one				9. Firm Name / Business Status	10. Address	11. Role in Contract
Prime	JW	Sub				
a.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AMEC Environment & Infrastructure, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	2580 MetroCentre Boulevard Suite 6 West Palm Beach, Florida 33407	<ul style="list-style-type: none"> ▪ Project Management ▪ Construction Materials Testing and Inspection ▪ MOT and CADD ▪ Geotechnical Engineering Design and Construction ▪ Structure Steel/Threshold Construction Inspection ▪ Drilling Assistance
b.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AMEC Environment & Infrastructure, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	5845 NW 158 th Street Miami Lakes, Florida 33014	<ul style="list-style-type: none"> ▪ Construction Materials Testing and Inspection ▪ MOT and CADD ▪ Geotechnical Engineering Design and Construction ▪ Structural Steel/Threshold Construction Inspection ▪ Drilling Assistance
c.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AMEC Environment & Infrastructure, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	75 East Amelia Street Suite 200 Orlando, Florida 32801	<ul style="list-style-type: none"> ▪ Structural Testing
d.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AMEC Environment & Infrastructure, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	4919 West Laurel Street Tampa, Florida 33607	<ul style="list-style-type: none"> ▪ Pile Driving Analyzer and Integrity Testing
e.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AMEC Environment & Infrastructure, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	2000 E. Edgewood Drive Suite 215 Lakeland, Florida 33803	<ul style="list-style-type: none"> ▪ Independent Technical Review ▪ Geophysical Services
g.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AMEC Environment & Infrastructure, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	3901 Carmichael Avenue Jacksonville, Florida 32207	<ul style="list-style-type: none"> ▪ Independent Technical Review
f.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Foundation & Geotechnical Engineering, LLC. <input type="checkbox"/> CHECK IF BRANCH OFFICE	608 Hitchcock Street Plant City, Florida 33563	<ul style="list-style-type: none"> ▪ Construction Foundation Testing
g.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	RADISE International, LC <input type="checkbox"/> CHECK IF BRANCH OFFICE	4152 W. Blue Heron Boulevard Suite 228 Riviera Beach, Florida 22404	<ul style="list-style-type: none"> ▪ Core Drilling ▪ Geotechnical Engineering Design and Construction



E. Resumes of Key Personnel Proposed for this Contract

12. NAME Brian Hathaway	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE (total/current) 14 Total / 13 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, West Palm Beach, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Engineering, Civil Engineering B.S., Civil Engineering	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
**Professional Engineer, Florida, No. 60724
FDOT CTQP Limerock Bearing Ratio**

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Brian Hathaway is a licensed professional engineer with more than 14 years of professional experience with primary emphasis in geotechnical and civil engineering, subsurface exploration techniques, site characterization, CEI, QA/QC CMT, heavy civil construction, and construction management disciplines. Mr. Hathaway has managed and provided professional engineering services for various geotechnical and engineering construction related projects throughout Florida, Alabama, and Georgia. These projects have ranged from residential structures, commercial developments to state roadways, highways and bridges, office buildings, new schools and facilities improvements, hospitality structures, tower structures, parking garages, marine and port facilities, power and process facilities, heavy civil construction, stormwater drainage, earthen impoundment structures, filter marshes, park facilities, and landfills. The services provided by Mr. Hathaway involve all aspects of the project lifecycle including scope development, cost-estimating, subcontractor selection, project management, resource management, planning, execution, cost controls, scheduling, risk assessment, contract reviews, engineering analysis, design, and reporting.

19. Relevant Projects

a.	(1) TITLE AND LOCATION (City and State) FDOT District 4 Districtwide Geotechnical and Materials Testing Contract, Florida Department of Transportation District 4, Florida	(2) YEAR COMPLETED Professional: 2008 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager/Senior Geotechnical Engineer: MEC (formally known as MACTEC) performed a total of 27 task order assignments that were inclusive of geotechnical engineering, field explorations and material testing and inspection services for five counties within FDOT's District 4. Responsibilities consisted of Project Management, subcontractor management, scope development, proposal negotiations, and geotechnical engineering services and field reviews for projects that included but not limited to geotechnical explorations, miscellaneous sign structures, mast arm signalization improvements, drilled caisson installation inspections, noise barrier wall foundations, retention pond upgrades, slope stability analyses, stormwater drainage canal improvements, sheet pile stability analysis, bearing analysis for box culverts, and pavement assessment and roadway coring. (Cost: Varied Per Project)	
b.	(1) TITLE AND LOCATION (City and State) Turnpike Enterprise Construction and Materials Engineering Management Consultant	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager/Principal Geotechnical Engineer: AMEC has a task work order contract to provide geotechnical and construction materials services for the Florida Turnpike Enterprise (FTE). Responsibilities included Project Management, geotechnical engineering, and construction quality assurance review for laboratory materials testing and inspection services on a task work order basis during the construction of road and bridge improvements of the Florida's Turnpike. The services provided under this contract consist of Pile Driving Analyzer (PDA), vibration monitoring, field and laboratory QA/QC materials testing services, construction inspections, asphalt paving and plant QA testing, non-destructive testing and structural steel testing and inspection services. (Cost: Varies Per Project)	
c.	(1) TITLE AND LOCATION (City and State) Geotechnical Engineering Testing Services Contract, South Florida Water Management District, Districtwide, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer/Project Manager: AMEC provides geotechnical engineering, field exploration services, and field and laboratory construction materials testing on a Task Work Order continual service contract for the South Florida Water Management District (SFWMD). Responsibilities include contract and task order Project Management, scope and technical proposal development, subcontractor selection, technical advisor for all field exploration, drilling, and testing services, engineering evaluations and technical reporting. The projects included various sites throughout Florida, including upland, marsh/swamp, and open-water sites. Projects include explorations and analyses for storm water control structures, earthen embankments, canal widening and dredging, retaining walls, embankment stabilization, geophysical testing, well abandonment, roadway paving, telecommunication towers, mooring structures and boat ramps. (Cost: Varies Per Project)	
d.	(1) TITLE AND LOCATION (City and State) I-595 Corridor Improvement Program, AECOM/Florida Department of Transportation, Fort Lauderdale, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: Performed geotechnical design analysis for a segment of noise barrier walls. Performed field engineering services related to site characterization using dilatometer (DMT) insitu testing to evaluate the settlement potential for a bridge structure supported on shallow foundation system. (Cost: \$8.8 million)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME James A. Horton, PE	13. ROLE IN THIS CONTRACT Independent Technical Review	14. YEARS EXPERIENCE (total/current) 41 Total / 39 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, Jacksonville, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) M.S., Civil Engineering B.S., Civil Engineering	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
 Professional Engineer, Florida No. 23315; Civil, Georgia, No. 12385

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. James Horton has more than two decades of experience performing project management responsibilities for large projects. In total, his experience encompasses all aspects of engineering and transportation projects, with particular focus on geotechnical support for design, construction and environmental investigations. He has supervised field and laboratory investigations, drilling teams, and report preparation, and has made recommendations for a variety of foundation alternatives, site preparation techniques, and construction methods. He has served as Chief Engineer for AMEC and has provided technical leadership and problem solving for many projects throughout Florida and the southeastern United States.

He has provided expert testimony primarily in the area of structure distress as a result of settlement. He has been involved in all aspects of pavement design, varying from material parameter selection to thickness determination. Since 1988, Mr. Horton has also provided senior technical review of environmental projects of varying degrees, including permitting, design, Phase I site assessments and site contamination assessments. Prior to joining AMEC, Mr. Horton served on active duty in the U.S. Army as a Lieutenant and Civil Engineer in the Construction Battalion, where he was awarded the Army Commendation Medal.

19. Relevant Projects

a.	(1) TITLE AND LOCATION (City and State) I-595 Corridor Improvement Program, AECOM/Florida Department of Transportation, Fort Lauderdale, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: AECOM/Florida Department of Transportation, Fort Lauderdale, Florida Project Manager: Geotechnical exploration, quality control, and construction materials inspection and testing services, as a subcontractor to a design/build team, for a five-year \$1.2 billion FDOT project. Project manager for geotechnical analyses related to bridges and MSE walls for this 10.5-mile-long design/build project. The project included 65 new or expanded bridges and associated MSE walls. Over 70,000 linear feet of soil testing borings were drilled. A total of 171 individual reports were coordinated between five offices. At the peak of the design support, 18 full-time engineers were engaged on this team. Included in this contract is construction quality control support for the installation of over 2,100 driven piles and over 300 drilled shafts. Foundation certification reports in FDOT format were prepared for a various combination of these elements resulting in over 400 separate reports submitted in a timely manner to facilitate the construction schedule. (Cost: \$8.8 million)	
b.	(1) TITLE AND LOCATION (City and State) Statewide Materials INSPECTION, SAMPLING, AND Testing, Florida Department of Transportation, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: Responsible for the overall technical and staff management of construction materials inspection and testing services throughout Florida for FDOT for multiple contracts since 1983. The current contract is a five-year (2008-2012) IDIQ contract not to exceed \$15,000,000. The primary service is the inspection of steel bridge members during fabrication at various fabrication shops in the United States and overseas. The contract work force was typically 10 to 15 inspectors in 6 to 8 locations at any one time. The contract was successfully re-competed for a new on contract beginning in 2013. (Cost: Varies Per Project)	
c.	(1) TITLE AND LOCATION (City and State) Fifth Avenue Miami River Bridge Replacement CMT and Inspection Florida Department of Transportation District 6, Miami, Florida	(2) YEAR COMPLETED Professional: 2010 / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: Oversaw quality assurance shop inspection services in conjunction with construction of a new Fifth Avenue (SR 7/U.S. Highway 441) Bridge over the Miami River. The inspection services were for fabrication of structural steel and bridge machinery components for a new 60-foot, low-level, and double-span bascule draw bridge with a five-lane section, center median, and sidewalks on each side. It replaces an 80-year-old structure, which has presented problems for barge traffic on important shipping waterway due to structural issues (strong undercurrents due to bridge angle and inadequate widths between pilings). (Cost: \$189,730)	
d.	(1) TITLE AND LOCATION (City and State) I Multiple State Roads and Interstates Roadways Soil, CMT, and Geotechnical Services, Florida Department of Transportation District 2, Various Locations, Florida	(2) YEAR COMPLETED Professional: 2010 / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: Oversaw soil investigation, highway and CMT, geotechnical exploration, and foundation studies for multiple roadways and interstate highways in northeast Florida. The initial services were for the north Interchange fly-over of I-295 at I-95 and SR 9A, and SR 202/Butler Boulevard, both in Duval County; and SR 15/U.S. Highway 17 in Putnam County. (Cost: Varied Per Project)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Les Bromwell, ScD, PE	13. ROLE IN THIS CONTRACT Independent Technical Review	14. YEARS EXPERIENCE 50 Total / 37 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, Lakeland, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) Sc.D., Civil Engineering B.S. Chemical Engineering, Massachusetts Institute of Technology, Boston, MA, 1961	
17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida No.58538		

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Dr. Les Bromwell studied at the Massachusetts Institute of Technology, where he received degrees in both chemical engineering and civil engineering, and participated in numerous research projects. After receiving his doctorate from MIT in 1966, Dr. Bromwell joined the faculty of the Department of Civil Engineering. From 1966 to 1972, he taught undergraduate and graduate courses in engineering. Dr. Bromwell also directed research projects and supervised graduate students in their thesis research. In 1972, he started his engineering practice in Lakeland, Florida. Dr. Bromwell has received registration as a Professional Engineer in eight states. He has represented industrial clients, government agencies, contractors, architects, and engineers on projects involving environmental and geotechnical problems and issues. He has served on consulting boards and task forces for the U.S. Army Corps of Engineers, the National Aeronautics and Space Administration (NASA), and agencies of the State of Florida. Dr. Bromwell was a member of NASA's Lunar Science Team, a group of experts responsible for scientific investigations during the Apollo manned missions. As a member of this team, he participated in the development of new instruments for conducting lunar surface experiments, in the training of astronauts for surface activities, and in the testing of lunar samples returned to earth.

Dr. Bromwell's major engineering projects have involved earth structures and foundations, water resources development, disposal and management of waste materials, sinkhole evaluation and remediation, and mitigation of environmental impacts. For more than 20 years, Dr. Bromwell has been involved in the evaluation and remediation of sinkholes and related ground subsidence. He has participated in more than 2,000 sinkhole investigations involving residential, commercial, and industrial properties. He has designed sinkhole remediation programs for hundreds of impacted properties, including multi-story buildings and facilities for major industries, such as chemical, power, and cement manufacturing plants. In addition, he has implemented sinkhole remediation plans for earth dams and reservoirs, landfills, and mining properties. Dr. Bromwell is the author and co-author of many technical publications and more than 60 professional papers on the above subjects.

19. Relevant Projects

a.	(1) TITLE AND LOCATION (City and State) Loxahatchee L-8 Reservoir Design, South Florida Water Management District (SFWMD), Palm Beach County, Florida	(2) YEAR COMPLETED Professional: 2007 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Engineer of Record. Responsible for all geotechnical work associated with the 1,000-acre facility, which is the deepest water storage reservoir in Florida. Project involved the design and construction of one of the first Comprehensive Everglades Restoration Plan (CERP) reservoirs to be completed by the SFWMD as part of their public-private partnership initiatives. This 1,200-acre reservoir was created by dredging approximately 35 million cubic yards of material and the construction of engineered embankments to create 46,000-acre ft. of storage. The project included the design and installation of an 11,000-foot long, 73-foot deep soil-bentonite slurry wall, incorporating various on-site materials to improve cost-effectiveness, and several miles of roller-compacted concrete (RCC) for slope erosion protection. (Cost: \$3.5 million)	
b.	(1) TITLE AND LOCATION (City and State) Independent Technical Review of C-44 Reservoir, HDR Engineering, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Peer Review. Reviewed Earth Dam Design details and conducted Dam safety analysis for proposed Everglades Restoration reservoir. Tasks included review of earthwork material selection and placement, seepage control measures, wind and wave analyses for freeboard determination and modeling erosion potential during hurricanes. Project includes 200,000 cubic yards of soil-cement slope protection. (Cost: \$50,000)	
c.	(1) TITLE AND LOCATION (City and State) Herbert Hoover Dike Evaluation, SFWMD, Okeechobee, Florida	(2) YEAR COMPLETED Professional: 2006 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Chief Engineer. Led a team of commissioned experts to re-evaluate Lake Okeechobee's Herbert Hoover Dike. In this capacity, AMEC prepared a risk assessment of the dike and developed conceptual rehabilitative alternatives and estimated costs. (Cost: \$165,000)	
d.	(1) TITLE AND LOCATION (City and State) Permitting for Lake Point Restoration Reservoir, Lake Point Partners, South Florida	(2) YEAR COMPLETED Professional: 2011 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Manager. This public-private restoration project is adjacent to Lake Okeechobee and will improve water quality and seasonal flows to the St. Lucie Estuary and to the Loxahatchee River. The project consists of a 1,200-acre reservoir, 600 acres of Stormwater Treatment Areas (STA), and 400 acres of parkland and wildlife preserve. The landowner, Lake Point Partners, in partnership with SFWMD and Martin County, will construct the reservoir cells and STAs during and following mining of portions of the property for high-grade limestone products. Following construction, the Owner will donate the entire property to SFWMD. The unique location of the site will allow treatment of water from either Lake Okeechobee or the C-44 (St. Lucie) canal. Discharge will be back to the Lake, or the C-44, or alternatively to the L-8 canal where it can flow to the L-8 Reservoir, the Loxahatchee River, or the West Palm Beach for restoration and water supply. (Cost: \$115,000)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME
Angela L. Alba, PE

13. ROLE IN THIS CONTRACT
**Geotechnical Engineering
Design and Construction**

14. YEARS EXPERIENCE
15 Total / 10 Current Firm

15. FIRM NAME AND LOCATION (City and State)
AMEC, Miami, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)
**M.S. Civil Engineering, Geotechnical Engineering
B.S. Civil Engineering**

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Professional Engineer, Florida No.58538

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Ms. Angela Alba has provided geotechnical engineering services on numerous geotechnical explorations for 15 years. Ms. Alba has provided engineering services for geotechnical projects in South Florida, Massachusetts, New Hampshire, Vermont, Oregon, and Puerto Rico. Her current responsibilities include planning, analysis, execution, and review of geotechnical projects to determine soil and rock properties for use in design of foundations for civil engineering projects from commercial high-rise buildings, to roadway and railways, complex roadway bridges, and tunnels. Her experience includes analysis and evaluation of data, recommendations for foundation types and site preparations, analysis of deep and shallow foundation systems, and field inspection of foundation construction including shallow foundations, driven piles, drilled shafts, and pressure injected footings. Her experience also includes finite element analysis, slope stability evaluations, evaluation of geosynthetics applications in geotechnical engineering, and geotechnical ground improvement techniques. Ms. Alba has managed geotechnical exploration programs for multi-laned highways, city streets, railroads, bridges, and parking areas. In South Florida, she performed geotechnical engineering services for the FDOT, Florida's Turnpike, and Miami-Dade Expressway Authority, among others. Ms. Alba provided project management for geotechnical exploration programs for the largest highway transportation project in Florida, which consists of approximately 10.5 miles of corridor improvement including bulkhead walls and 65 bridge structures for the I-595 project. Ms. Alba successfully managed these geotechnical explorations which had a combined geotechnical budget of over \$8.7 million.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	Miami-Dade County Soils, Foundation, And Materials Testing Services (Contract No. E06-Pw-02); Miami-Dade County, Florida	Professional: 2008 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager/Senior Geotechnical Engineer: Project included geotechnical, construction materials testing and inspection services for the construction of various improvement projects for various Miami-Dade County Departments, such as Water and Sewer (Distribution), Water and Sewer (Construction), County Public Works, Dade Aviation Consultants, and Miami-Dade County Park and Recreation Department. Improvement projects included water main extensions, intersection improvements, and sidewalks. Responsible for project management, coordinating and directing field activities, laboratory testing, and invoicing. (Cost: \$73,000)	
b.	Miami-Dade Expressway Authority, Construction Management Services, Miami-Dade County, Florida	Professional: 2011 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager/Senior Geotechnical Engineer: Responsible for providing materials testing quality assurance verification. Responsible for performing reviews of all the geotechnical engineering reports for the associated new structures and roadway improvements for the new SR 826 & SR 836 Interchange, which includes the construction of a four-level interchange as well as the reconstruction/modifications of the Flagler Street/ S.R. 826 and the Milam Dairy Road/NW 72 Avenue/SR 836 interchanges. It includes the construction of new bridges, roadway ramps, MSE walls, new bulkhead walls along the North Line Canal, and the re-alignment of the North Line Canal. (Cost: \$320,000)	
c.	I-595 Corridor Improvement Program, AECOM/Florida Department of Transportation, Florida	Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Discipline Lead/Project Manager. Geotechnical Discipline Lead during the proposal stage and project execution for the largest highway transportation project in Florida. Attended weekly Discipline Lead meetings to address design and construction concerns and scheduling priorities. Performed interdisciplinary plans reviews and attended numerous meetings with FDOT, prime designer, and contractor and concessionaire personnel. Responsible for reviewing and finalizing responses for consistency and to ensure compliance with project requirements and obtaining successful comment resolution with FDOT consultants, contractor, district geotechnical and structural engineers, state geotechnical and structural engineers, Florida's Turnpike, SFWMD, and USACE. Duties included preparation of the drilled shaft and pile foundation plans. Performed reviews of the PDA and CAPWAP results and provided technical direction for issues arising in the field. Coordinated with drilled shaft and pile driving CTQP inspectors to provide timely responses to issues arising in the field. (\$8.8 million)	
d.	Florida Department of Transportation Jewish Creek Bridge Design-Build Geotechnical Services, Key Largo, Florida	Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Senior Geotechnical Engineer: Responsible for performing engineering analysis and preparing geotechnical reports. Engineering evaluation included slope stability analysis for soil mixing evaluation and MSE walls, axial capacity analysis and soil parameters recommendation for lateral capacity analyses of non-redundant drilled shafts and driven piles. Coordinated drilling activities, laboratory testing, and invoicing. Scope: Geotechnical consultant to design-build team for replacement of Jewish Creek Bridge, 1½-mile-long high level bridge, supported on redundant and non-redundant drilled shafts, over the Intracoastal Waterway, along with widening of 5 miles of approach road supported on organic soils improved by dry soil mixing. Provided geotechnical engineering, over water and land soil borings, 4-inch diameter rock coring, rock coring, lab testing, drilled shaft installation inspection, foundation evaluations, foundation construction inspection / quality control laboratory testing and utility coordination services. (\$1.95 million)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME
Thai Nguyen, PE

13. ROLE IN THIS CONTRACT
**Geotechnical Engineering Design
 and Construction**

14. YEARS EXPERIENCE
16 Total / < 1 Current Firm

15. FIRM NAME AND LOCATION (City and State)
AMEC, Tampa, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)
**M.S. Civil Engineering
 B.S. Civil Engineering**

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
**Professional Engineer, Florida No. 66551
 Master on PDA and CAPWAP proficiency, by PDI/PDCA
 CTQP Pile Driving Inspection
 SmartPile Embedded Data Collector System User No. 020FL0046-13**

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Thai Nguyen has an extensive knowledge in geotechnical engineering, specifically involving deep foundation systems and pile dynamic and integrity testing methods. Mr. Nguyen's technical experience in foundation testing includes Pile Driving Analysis (PDA), Static Load tests, Crosshole Sonic Logging (CSL), Embedded Data Collector (EDC), and Pile Integrity Tests (PIT). He is additionally skilled in soil structure interaction, earth retaining structures, slope stabilities, construction methodologies, ground improvement techniques, establishment and monitoring of geotechnical instrumentation, design of shallow and deep foundation systems, QA/QC during the installation of auger cast-displacement piles, driven piles and tie-down anchors, vibration monitoring programs, forensic engineering, and condition surveys for pre- and post-construction phases.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	Pile Dynamic and Embedded Data Collector Testing, Various Clients, Statewide, Florida	Professional: 2011 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Geotechnical Project Engineer/Project Manager: Responsible for hammer evaluation, PDA testing, development of production pile length and driving criteria recommendations, verification testing, EDC testing, and vibration and tiltmeter monitoring for more than two dozen projects, including I-95 Widening Bridges for FDOT District 4 and District 6 and SR 826/SR 836 for FDOT District 6. (Cost: \$1.2 million)	
b.	Port of Miami Tunnel, Florida Department of Transportation, Miami, Florida	Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Engineer: Provided wall testing through the use of a Robertson camera, falling-head percolation testing, and triaxial testing, as well as database management of laboratory test results which include flexible wall permeability tests, unconfined compression tests, and triaxial tests. (Cost: \$100,000)	
c.	Geotechnical Exploration and Engineering Analysis, Statewide, Florida	Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Engineer/Senior Geotechnical Engineer: Responsible for subsurface exploration, data analyses, slope stability evaluations, geotechnical calculations for sheet piles, axial and lateral bearing estimates for driven piles, drilled shafts, or auger-cast piles, and embankment settlement estimates for more than a dozen projects. (Cost: \$300,000)	
d.	Geotechnical Consultant Services, Florida Department of Transportation Districts 1 and 7, Florida's Turnpike Enterprise, Florida	Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Assistant Project Manager: The geotechnical districtwide contract includes providing consulting services in support of preliminary and final engineering, construction-related efforts. The projects involve subsurface investigations including roadway soil survey, roadway muck delineation, forensic (sinkhole) investigation, laboratory testing, and geotechnical recommendations; foundation analyses including designs for various structures such as roadways, bridges, retention ponds, sound barrier walls, sheet pile structures, MSE walls, mast arms for traffic signal and sign systems; and construction tests including PDA, EDC, CSL, and vibration monitoring. (Cost: \$2.3 million)	
e.	Crosshole Sonic Logging Testing, Florida Department of Transportation, Florida	Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer: Responsible for CSL testing and review of test results for Homestead Extension of Florida's Turnpike, Phase 3, Florida's Turnpike Enterprise, Miramar, Florida and SR 544 and 34th Street, FDOT District 1, Winter Haven, Florida. (Cost: \$100,000)	
f.	Geotechnical Consultant Services, Design-Build of I-4 Over Reedy Creek, Florida Department of Transportation District 5, Orlando, Florida	Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer: Responsible for subsurface exploration, design calculations for driven piles, PDA testing, and development of production pile length and driving criteria recommendations. (Cost: \$30,000)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Christopher J. Burroughs, PG	13. ROLE IN THIS CONTRACT Geotechnical Engineering Design and Construction	14. YEARS EXPERIENCE 13 Total / 8 Current Firm
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15. FIRM NAME AND LOCATION (City and State) AMEC, West Palm Beach, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Geology
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17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

ACI, Grade I, Aggregate Base Course, Florida, No. NV9999, 2010
ACI, Grade I, Concrete Strength, Florida, No. NV9999, 2010
Certified Open Water Diver, Open Water, Worldwide, No. 9210284393, 1992
Certified Professional Geologist, No. PG2678, 2012
Certified Radiation Safety Officer, Safety Officer, Radiation, FL, No. NV9999, 2009
FEMA - Emergency Management, 1, Worldwide, No. IS-00630, 2009
FEMA - Emergency Management, 1, Worldwide, No. IS-00631, 2009
FEMA - Emergency Management, Worldwide, No. IS-00805, 2009
FEMA - Emergency Management, Worldwide, No. IS-00809, 2009
FEMA - Emergency Management, Worldwide, No. IS-00810, 2009
FDOT CTQP Certified, Testing Technician, Aggregate Base Course, Florida, No. NV9999, 2010
FDOT CTQP Certified, Sampling Technician, Sampling and Density, Florida, No. NV9999, 2010
FDOT Nuclear Surface Moisture Density Gauge, Nuclear Density Technician, Nuclear Safety and Transportation of HazMat, Florida, No. NV9999, 2010
IATA Certified, Nuclear Density Technician, Nuclear Use and Transportation, Florida, No. NV9999, 2010

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Christopher Burroughs is a Senior Geologist who serves as Laboratory Manager, Field Services Supervisor, and Radiation Safety Officer for the Construction Material Testing & Inspection Group and has performed Phase I and Phase II ESAs. His responsibilities include technical writing, research and review of regulatory reports, site visits, ESAs, project coordination, and task management for new projects.

19. Relevant Projects

a.	(1) TITLE AND LOCATION (City and State) AECOM/Florida Department of Transportation I-595 Corridor Improvement Program, Ft. Lauderdale, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Field Coordinator: Responsible for supervising the field drilling operations, including boring layout, underground utility clearance, schedule drill rigs, Liaison to the Corradino Group for discussion of drilling activities as they relate to MOT lane closure, Liaison to Survey Company for discussion of all survey points by Zone and drilled boring location, Sharepoint administrator for the Miami Office, Maintain drilling schedule, prepare Requests for Information (RFIs) and submit to client, assist with requisitions. Project scope included performing geotechnical exploration for I-595 Design Build Project. Support AECOM the in their design of the I-595 Corridor Improvements Program Design-Build Project. Improvements to 10 miles of inter State I-595, including addition of 3 reversible toll lanes, 65 new and existing bridge widenings, and upgrades and improvements to existing roadways and ramps. Services include soil borings, laboratory testing and geotechnical report preparation. The project geotechnical exploration includes approximately 2,660 soil borings using up to eight drill rigs. (Cost: \$8.8 million)	
b.	(1) TITLE AND LOCATION (City and State) Mile Point Realignment, U.S. Army Corps of Engineers, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geologist: Geotechnical investigations and laboratory testing for the realignment of the Mile Point area of Jacksonville Harbor. Responsible for logging and photographing SPT samples and undisturbed samples for geotechnical borings. Utilized a high accuracy GPS unit to locate borings over water. (Cost: \$150,000)	
c.	(1) TITLE AND LOCATION (City and State) Vibracore Borings for Sediment Sampling for GWW in the Vicinity of Fort Myers, U.S. Army Corps of Engineers, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geologist: Geotechnical investigations and laboratory testing for the dredging of a navigation channel in the vicinity of Ft. Myers. Responsible for locating vibracore locations, identifying the appropriate sample interval depth, and logging the vibracore collection depths. Prepared a detailed vibracore spreadsheet for the ten vibracore locations. (Cost: \$50,000)	
d.	(1) TITLE AND LOCATION (City and State) Lakeside Ranch Stormwater Treatment Area, South Florida Water Management District, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geologist: Monitored groundwater and surface water elevations, collected ground water samples for arsenic detection at select monitoring well locations, and installed groundwater monitoring wells throughout the site in accordance with the SFWMD Field Sampling Quality Manual (FSQM), the FDEP Standard Operating Procedures (DEP-QA-001/01) and (FDEP SOPs), and AMEC's QA manual. Submitted weekly summary reports including groundwater analytical, groundwater elevation, surface water elevation, and rain gauge data. (Cost: \$1.5 million)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Zhihong Hu, PhD, PE	13. ROLE IN THIS CONTRACT Geotechnical Engineering Design and Construction	14. YEARS EXPERIENCE 6 Total / 4 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, Miami, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, Civil Engineering Master of Engineering, Geotechnical Engineering Doctor of Philosophy, Geotechnical Engineering	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Professional Engineer, Florida, No. 71526

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Dr. Hu is a geotechnical engineer responsible for preparation of boring location plans, lab test assignments, SPT boring inspection, ACIP pile installation inspection, earthwork inspection, load test inspection, soil classification and CADD drawing preparation. He also assists in geotechnical report preparation and geotechnical related designs, such as shallow and deep foundation design (ACIP pile, driven pile and drilled shaft), MSE wall design, slope stability analysis, lateral capacity analysis, settlement calculation, finite element analysis (Plaxis 2D and 3D Foundation) of complex projects.

19. Relevant Projects

a.	(1) TITLE AND LOCATION (City and State) AECOM/Florida Department of Transportation I-595 Corridor Improvement Program Ft. Lauderdale, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Geotechnical Engineer: Responsible for performing soil boring layout, performing engineering calculations including driven piles (prestressed concrete piles, H-piles and steel pipe piles) axial and lateral capacities, downdrag, group settlement and bridge approach settlement calculations, drilled shaft and auger cast in place piles axial and lateral capacities, settlement calculations, MSE wall internal and external stability analysis, slope stability analysis, and report preparations. Scope included performing Geotechnical Exploration for I-595 Design Build Project. Support AECOM the in their design of the I-595 Corridor Improvements Program Design-Build Project. (Cost: \$8.7 Million)	
b.	(1) TITLE AND LOCATION (City and State) Florida Department of Transportation / Dragados USA I-595 Design Build, Geo. CMT, Cl. Davie, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer: Responsible for Geotechnical study such as preparation of Boring Location Plan, FB-Deep Analysis, FB-Pier soil parameter input, MSE wall design, slope stability analysis, Geotechnical report preparation, etc. Scope included geotechnical exploration, quality control, and construction materials inspection and testing, as a subcontractor to Dragados USA, for a five-year FDOT project involving construction of 3 miles of HOT lanes on a 3-lane highway. (Cost: \$6.7 million)	
c.	(1) TITLE AND LOCATION (City and State) Miami Dade College Building 9000 Geotechnical, Miami, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer: Responsible for reviewing, signing and sealing the lab results from AMEC CMT lab. Scope included geotechnical engineering for evaluating foundation support and earth retaining structure for building, the site has a planned seven story building with a 45' by 94' footprint with zero lot line. (Cost: \$3,000)	
d.	(1) TITLE AND LOCATION (City and State) Miami-Dade County Public Schools B Graham Education Center, Miami Lakes, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Coordinator: Coordinates work including: layout borings, clear utilities, coordinate with school officials to schedule drilling, coordinate subcontractor to perform GPR service to locate communication lines and sewer pipe lines, draft geotechnical reports, and check with the project manager from school board for payments. Scope included geotechnical exploration services for Miami-Dade County Public Schools to include six SPT borings to depths of 40 feet and four exfiltration tests to depths of 15 feet. (Cost: \$17,310)	
e.	(1) TITLE AND LOCATION (City and State) Miami-Dade County Public Schools North Dade Middle School, Miami, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Geotechnical Engineer: Help with boring layouts and soil classification. Scope included geotechnical and construction material testing services for North Dade Middle School in Miami-Dade County, Florida. (Cost: \$12,775)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME

James Brown, EI

13. ROLE IN THIS CONTRACT

Geotechnical Engineering Design and Construction

14. YEARS EXPERIENCE

6 Total / <1 Current Firm

15. FIRM NAME AND LOCATION (City and State)

AMEC, West Palm Beach, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)

**M.S. Civil Engineering
B.S. Civil Engineering**

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Engineering Intern

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**American Society of Civil Engineers (ASCE)
ASCE Awards**

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
	Soil-Structure Interaction for Shallow Foundations Subjected to Vertical Loads, University of Florida, Gainesville	Professional: 2012 / Construction: N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Research Lab Assistant: Installed instrumentation, fabricated related hardware and data acquisition systems, prepared and installed test samples, and assisted in the testing and investigation process, sieve analysis, and relative density. Conducted triaxial testing at the FDOT State Materials Office to obtain soil parameters.	
	Milton Engineering Consultants, Stuart, Florida	Professional: 2011 / Construction: N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Field Intern: Assisted with investigation and analysis of insurance claims caused by natural and manmade disasters, researched permitting records for construction documents. Enabled the firm to minimize time needed to complete investigative reports by preparing various AutoCAD drawings, tabulated field data, verified engineers design calculations, and inspection reports.	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Armando Hernandez, PE	13. ROLE IN THIS CONTRACT Threshold Construction Inspection	14. YEARS EXPERIENCE 36 Total / 10 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, Miami, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Business Administration Bachelor of Civil Engineering	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Professional Engineer, Puerto Rico, No.12103
Professional Engineer, Florida, No.63211
FDOT CTQP Certified, QC Manager, Florida, No.H65500054
FDOT CTQP Certified, Asphalt Paving I, Asphalt Roadway, Florida, No.H65500054
Inspector / Assessor, Special Inspector, Threshold Buildings, Florida, No.7392809
American Red Cross CPR & First Aid Certified

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Armando Hernandez has more than 36 years experience in construction project management and engineering of complex technical projects in the power, pharmaceutical, industrial, transit, commercial, hospital, water and wastewater treatment, and infrastructure markets. As a Senior Principal Civil/Structural Engineer and Project Manager, he has directed home and field offices providing construction administration and construction materials testing services for federal, state and county clients. He is a licensed Special Inspector of Threshold Buildings in Florida.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State) Florida Department of Transportation - Aviation Office / URS Corporation Airport System Pavement Evaluation and Inspection, Cities Throughout State, Florida	(2) YEAR COMPLETED Professional: 2008 / Construction: Year
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineer: Assisted in the pavement management software system (MICROPAVER) training of the Ft. Lauderdale-Hollywood Airport management personnel. The program provides recommendations and guidance for performing routine pavement maintenance. Project scope included evaluation and inspection of pavements under Phase II program at 96 airports throughout state. Inspection services covered runways, taxiways and aprons and utilized MicroPaver software program to evaluate PCI data and generate maps and reports. (Cost: \$2.7 million)	
b.	(1) TITLE AND LOCATION (City and State) Construction Project Management for the Expansion of Runway 9R-27L, Broward County Aviation Department/ Parsons Transportation Group, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Quality Assurance/Quality Control Manager: Responsible for the management of the QA personnel overseeing the construction QC and owner's materials testing lab for this \$800-million FAA runway and aircraft bridge program. Features include 64-foot-high MSE walls containing six million cubic yards fill, surcharging, dynamic compaction, piles, soil mixing, stone columns and geotechnical instrumentation; FDOT roadways and bridges. (Cost: \$3.28 million)	
c.	(1) TITLE AND LOCATION (City and State) South Terminal Expansion Program, Miami-Dade Aviation Department, Florida	(2) YEAR COMPLETED Professional: 2008 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Quality Control Supervisor: Developed and managed a multidiscipline team of QA/QC inspectors and testing technicians during the \$830-million, six-year construction program. Managed inspectors located at off-site concrete and steel fabrication plants. Work included a new terminal and concourse, taxiway and apron, baggage handling systems, passenger loading bridges, jet fuel systems, roofing, building envelope, structural steel and welding, auger cast piles, roadways, and secured entrance gates. (Cost: \$11 million)	
d.	(1) TITLE AND LOCATION (City and State) U.S. Army Corps of Engineers, SOUTHCOM, Miami, Florida	(2) YEAR COMPLETED Professional: 2010 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Program Manager: Led project office representing the USACE, consisting of project managers, multidiscipline senior engineers, estimators, inspectors and administration. Managed and/or performed the design coordination, QA; submittal, schedule, change order, invoice review; monitored construction meetings, safety, CQC, testing, commissioning, user training, permitting, Silver LEED Certification, coordination with city and county officials; trained USACE personnel. Oversaw extended Operations and Maintenance. Project scope includes construction administration and quality assurance of new military base on 55 acres and buildings over 630,000 square feet. Provide inter-disciplinary expertise in areas of civil, structural, electrical, plumbing, communications, architectural, safety, scheduling, cost estimating, and LEED. The project facilities include all support facilities and infrastructure for this complex built to serve as an independent military installation minus military housing. The contractor's design and construction contains energy efficiency and antiterrorism and force protection measures, including building standoff distances, structural preventive collapse, laminated glass, lighting, vehicle barriers and control gates. (Cost: \$2.8 million)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Luis A. Ponce, PE, CGC, BN	13. ROLE IN THIS CONTRACT Threshold Construction Inspection	14. YEARS EXPERIENCE (total/current) 24 Total / 5 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, West Palm Beach, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering/ Transportation	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Professional Engineer, Florida No. 71723
Licensed General Contractor, Florida No. CGC 1509404
Licensed Building Inspector, Florida, No. BN3345
Certified Professional, Erosion & Sediment Control, Georgia, No. 6614
Certified Building Inspector, Commercial & Residential Buildings, No. 5189975-B5
Certified Plans Examiner/Plans Reviewer, No. 5253465-B3
Certified Radiation Safety Officer, Florida
Radiation Safety & Use of Nuclear Gauges Operator Hazardous Materials, Florida

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Luis Ponce is a Senior Engineer for AMEC's West Palm Beach, Florida office, with 22 years of experience in construction engineering management and geotechnical engineering services for various projects located throughout Florida, Georgia, Puerto Rico, and South America. Mr. Ponce's expertise includes construction planning, scheduling, technical oversight, value engineering, QA/QC, field and laboratory data evaluation, as well as preparation of engineering recommendations for foundation design and construction of different types of projects, ranging from residential structures, commercial developments, state roadways, public schools, office buildings, communication towers and parking garages.

During his 24 year career, Mr. Ponce has provided construction engineering management for numerous QA/QC and geotechnical projects. Mr. Ponce has provided technical oversight and direction of engineers, engineering technicians, building inspectors, subcontractors, survey teams, and drilling crews. He has valuable field and site management experience with earthwork construction, deep and shallow foundations, earthen structures, as well as roadway and building construction projects. Mr. Ponce is very knowledgeable of geotechnical issues related to site development and earthwork construction, and he also has ample experience on vertical construction means and methods, as well as code compliance, and project management controls. In addition to being a Registered Professional Engineer in both Florida and New Hampshire, Mr. Ponce holds an active Commercial and Residential Building Inspector License (BN), and is a Certified General Contractor (CGC) in the State of Florida. He also has a Certification as Structural Plans Examiner (ICC), and is a Certified Erosion Control professional in the State of Georgia.

19. Relevant Projects

a.	(1) TITLE AND LOCATION (City and State) Palmetto Station Traction Power Substation, Miami Dade Transportation/PARSONS, Miami, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager/Senior Engineer: AMEC was requested to provide engineering support during the design and construction phases of the proposed MDT - Palmetto Traction Power Substation, in Miami, Florida. Managed civil and mechanical engineering support, QA/QC and inspection services for the proposed power substation. The site was located at NW 79th Place and NW 77th Street, in Miami, Florida. The project is currently under execution, and has a 1.5-years duration. (Cost: \$217,000)	
b.	(1) TITLE AND LOCATION (City and State) Quality Assurance Field Testing for the Rehabilitation of Taxiway "C" West Rehabilitation, Broward County Aviation Department, Broward County, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager/Senior Engineer: The objective of this project was to perform quality assurance, including laboratory and field testing for the construction materials utilized to renovate Taxiway "C" at the FLL airport, as a means to verify the quality control testing that will be performed by the contractor performing the runways rehabilitation. In charge of coordination, project management and engineering support for all QA field and laboratory data during project construction. This project is currently under execution, and will have duration of 14 months. (Cost: 275,000)	
c.	(1) TITLE AND LOCATION (City and State) Lakeside Ranch Stormwater Treatment Area Phase I, South Florida Water Management District, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction Manager/Senior Engineer: Responsible for project/construction management and technical oversight of the QA/QC program, including structural and civil inspection services, controls during project execution, and value engineering as required by the client. Provided construction management, QA/QC, and inspection services during the construction of a new 2,700-acre STA site, located on the northeast shore of Lake Okeechobee and just east of US Hwy 441/98. (Cost: \$2.5 million)	
d.	(1) TITLE AND LOCATION (City and State) S-65D Telemetry Tower Replacement project, South Florida Water Management District, Florida	(2) YEAR COMPLETED Professional: 2011 / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction Manager/Senior Engineer: Managed the quality control oversight, including construction inspections and CMT services, during all phases of the construction project. Project included construction management, QA/QC, and inspection services during construction of the S-65D Telemetry Tower replacement project, located in Okeechobee County, along C-38 Canal, south of the outlet of Lake Kissimmee. (Cost: \$115,000)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Alexander Rojas, PE, CWI	13. ROLE IN THIS CONTRACT Threshold Construction Inspection	14. YEARS EXPERIENCE (total/current) 12 Total / 6 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, West Palm Beach, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Mechanical Engineering	
17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida No. 75704 ACI/FDOT Quality Control Manager ACI Concrete Transportation Construction Inspector Certified Welding Inspector, Florida No. 08061141 FDOT Concrete Field Testing Technician, Level 2 FDOT Asphalt Paving Technician, Level 2 FDOT Earthwork, Level 2 FDEP Qualified Stormwater Management Inspector OSHA 10 hours Construction Safety & Health		

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 A Mechanical Engineer, Mr. Alexander Rojas has managed and provided project coordination and engineering services for various geotechnical and CMT and engineering-related projects in Florida. These projects have ranged from residential structures and commercial developments to state roadways, highways and bridges, office buildings, parking garages, and government facilities. Services provided by Mr. Rojas have involved all aspects of project proposal and price estimating, and project management, including planning and execution of materials testing contracts, roadway construction projects, geotechnical field explorations, soil/rock sample classification, and laboratory testing. Throughout his career he has managed geotechnical and materials testing projects that have included the supervision, quality control training, and direction of various field service engineering technicians and laboratory testing technicians. His project experiences and field supervision services incorporate oversight for the performance of full service testing and inspection capabilities. Mr. Rojas has successfully developed and implemented quality assurance manuals and quality control measures during the development, instrumentation, and construction of several materials testing laboratories with multiple testing capabilities. He has obtained various laboratory and field testing certifications through ACI and CTQP and has obtain laboratory accreditation from FDOT and CMEC to provide laboratory testing services for soils, aggregate, concrete, masonry, and asphalt. Mr. Rojas is also certified by FDOT to perform inspection oversight during the installation and inspection of drilled shafts piers and has project experience with inspection oversight of auger cast piles and shallow foundations.

19. Relevant Projects

a.	(1) TITLE AND LOCATION (City and State) I-595 Design Build, Florida Department of Transportation/Dragados USA, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm QC Manager: Responsible for all necessary action for implementation of the QC plan. This includes administering, implementing, and monitoring the processes to ensure the compliance with the contact documents. The daily activities include material testing and inspections and placement in accordance with the applicable specifications. This is the first project in the district implementing the witness and hold point system for the scheduling and inspection process. This project consists of an Expressway interchange to the I-595/I-95 interchange in central Broward County, Florida. Total project length along I-595 is approximately 10.5 miles and includes the reconstruction, addition of auxiliary lanes, resurfacing of the I-595 mainline (including associated improvements to frontage roads and ramps), and a new reversible express lanes system in the I-595 median. (Cost: \$8.83 million)		
b.	(1) TITLE AND LOCATION (City and State) Florida Department of Transportation-Professional Services Contract, District 4 and 6, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: AMEC is currently providing materials testing for verification under the same contract for several work orders. (Cost: \$792,000)		
c.	(1) TITLE AND LOCATION (City and State) Drilled Shaft Installation Inspection Services, Florida Department of Transportation	(2) YEAR COMPLETED Professional: 2008 / Construction: Year
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Field Supervisor: Responsible for material testing and inspection. Provided inspections of drilled shaft installation (mast arm borings) for SR 823 from the Miami-Dade County line to Flamingo Road in Broward County. (Cost: \$16.65 million)		
d.	(1) TITLE AND LOCATION (City and State) Fairfield Inn, OTO Development, LLC, Florida	(2) YEAR COMPLETED Professional: 2008 / Construction: Year
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Field Supervisor: Responsible for material testing, inspection, and assisting with invoicing. Provided CMT and monitoring, threshold inspection services, geotechnical evaluation, and foundation recommendations for construction of a new four-story, 50,400-square-foot hotel where geotechnical evaluation and soils analysis revealed poor soil quality which would indicate soils are subject to excessive settlement from structural loads. Recommended vibro-replacement (stone) columns to control settlements and allow for shallow foundations. (Cost: \$86,000)		

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Luis Enrique Puche	13. ROLE IN THIS CONTRACT Structural Steel/Threshold Construction Inspection	14. YEARS EXPERIENCE 22 Total / 11 Current Firm
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15. FIRM NAME AND LOCATION (City and State) AMEC, Miami Lakes, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Architecture
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17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
N/A

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Puche is a degreed architect with well over a decade of project experience in facilities design and construction. His responsibilities include project management, architectural design and consulting, property condition assessments, building forensic assessments, and preparation of cost proposals and estimates.

Prior to joining MACTEC, Mr. Puche owned an architectural design company and also worked with a well-known design firm, both in Colombia. His project experience includes conceptual / schematic design draft, feasibility studies, financial projection, architectural and construction planning, architectural design, general detail planning on AutoCAD, construction management, construction administration and contract management. He is familiar with and experienced in design of single-family residential, luxury high-rise condominiums, government, commercial and industrial buildings; roofing, hydraulic, sanitary and gas systems; kitchen and closets furniture; stair railings and metallic grates. He has also participated in special projects for telecommunications providers.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State) Fort Lauderdale International Airport Roof Testing and Asbestos Surveys, Fort Lauderdale, Florida	(2) YEAR COMPLETED Professional: 2006 / Construction: N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: Responsible for overseeing day-to-day operations, preparing reports; coordinated personnel activities and access to airport's restricted areas with Brown & Brown Architects and Broward County Aviation Department. Scope: Roof testing and asbestos surveys for roof systems of airport's Terminal 2 (27 roof sections) and Terminal 3 (51 roof sections) and Terminal 4 (33 roof sections). Roof sections cover a collective total of 466,190 SF. Tests included moisture surveys and fastener withdrawal resistance testing. (Cost: \$76,600)	
	(1) TITLE AND LOCATION (City and State) Broward County Construction Management Division Bus Maintenance Facility - Reroofing Design, Inspection, Pompano Beach, Florida	(2) YEAR COMPLETED Professional: 2003-2006 / Construction: N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager/Architect: Responsible for project management and providing architectural (roof) and structural design and construction administration. Scope: Reroofing and mechanical, electrical and plumbing (MEP) design, construction inspection and contract administration for County transit bus maintenance facility. Services include reporting, planning, schematic design, construction documents, post-construction services and reporting. Facility roof estimated at more than 20-years-old and covering more than 100,000 SF on 10 decks. (Cost: \$168,800)	
	(1) TITLE AND LOCATION (City and State) Cherokee Enterprises, Inc. Coral Way Bus Wash Facility Design Review, Permitting and Construction Management Services, Coral Gables, Florida	(2) YEAR COMPLETED Professional: 2005/06 / Construction: N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager/Architect: Responsible for architectural design review, project management, construction administration and RFI responses. Scope: Design review, permitting and construction management services for construction of one-story bus wash facility with two automatic bus wash lanes. (Cost: \$80,000)	
	(1) TITLE AND LOCATION (City and State) U.S. Army Corps of Engineers, SOUTHCOM, Miami, Florida	(2) YEAR COMPLETED Professional: 2010 / Construction: N/A
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Quality Assurance Architect: Responsible for performing quality assurance on architectural finishes and furniture. Scope: Quality Assurance on the construction of a new military base on 55 acres and more than three buildings totaling over 630,000 square feet. Provide inter-disciplinary Quality Assurance expertise including the areas of civil, structural, electrical, plumbing, communications, architectural, safety, scheduling, cost estimating, and LEED. The project facilities include all support facilities and infrastructure for this complex built to serve as an independent military installation minus military housing. The contractor's design and construction contains energy efficiency (LEED) and antiterrorism and force protection (AT/FP) measures, including building standoff distances, structural preventive collapse, laminated glass, lighting, vehicle barriers and control gates. (Cost: \$2.8 million)	
	(1) TITLE AND LOCATION (City and State) Florida Power & Light Company, Jackson Substation, Miami, Florida	(2) YEAR COMPLETED Professional: 2009 / Construction: N/A
f.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager: Responsible for project management, architectural design and computer generated renderings. Scope: Civil Site Design, Permitting and Construction Documents for the new Jackson Distribution Substation (Site Preparation Only). (Cost: \$37,000)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Andrew J. Provost, CWI	13. ROLE IN THIS CONTRACT Structural Steel/Threshold Construction Inspection	14. YEARS EXPERIENCE 30 Total / 12 Current Firm
15. FIRM NAME AND LOCATION (City and State) Orlando, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) N/A	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Certified Welding Inspector Metal, Welds, Steel, Worldwide, No. 99010091
Certified Fork Lift Driver Operator, United States
NACE Certified Protective Coatings Inspector Paint/Protective Coatings, Worldwide, No. 9439
NDT/NDE Magnetic Particle II Metal, Welds, Steel, Worldwide, No. 111538
NDT/NDE Visual Inspection II Metal, Welds, Steel, Worldwide, No. 111538
SSPC Protective Coatings Specialist Supervisor Paint/Protective Coatings, United States
SSPC Protective Coatings Specialist II Paint/Protective Coatings, United States, No. 100015

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Provost is a Senior Technician with a broad range of current certifications including Non-Destructive Testing in a variety of methods, welding inspection, and protective coatings. His duties include destructive and non-destructive examination and testing of various materials and equipment, forensic investigations (water damage, fire damage, roof collapse, and coatings failure), Quality Control / Quality Assurance, and project coordination. Mr. Provost is an active member of the Advisory Committee on Welding for Seminole Community College and an Adjunct Welding Instructor. Mr. Provost's professional experience includes non-destructive testing on bridges, building components, power plant facilities, and amusement devices and rides. He has performed vendor quality assurance inspections for Florida DOT bridges and sign support structures and non-destructive testing for the State of Florida, including shop and field inspection of fabricated members and erected structures.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	Luling Bridge Retrofit, Kiewit Louisiana Company, New Orleans, Louisiana and Buffalo, New York (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Welding Inspector: Construction engineering and inspection support services to Kiewit Louisiana Company for the fabrication and coating of structural steel parts for the stay cable replacement on 4-lane, 10,700 foot long historic cable-stay bridge near New Orleans, Louisiana. Provide on-site Quality Assurance for fabrication of specified stay cable components to verify that components are fabricated in compliance with all contractual requirements included but not limited to: approved shop drawings, applicable codes and standards (AWS, AASTHO, AISC, ASTM, etc.), special provisions, and contract drawings. Provide daily summary reports of activities performed with photo documentation and transmit report to company daily. Review and verify supplier/fabricators QC plan is being followed, including recognition of necessary hold points, sign-offs, and required QC documentation in accordance with the approved QC plan. Provide daily structural steel welding, coating, and fabrication inspection oversight for the contractor at the fabrication facility in Lancaster, New York. (Cost: \$1.6 million)	Professional: 2011 / Construction: N/A
c.	Bridge Construction Weld Shop Inspections, Treasure Island Resort, Birmingham/Pell City, Alabama (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Technician: Weld inspections of Treasure Island Bridge. Responsible for coating inspection during cleaning, repair of failed shop-applied primer, surface preparation, and application of new coating system for a four-leaf bascule bridge for FDOT and City of Treasure Island. (Cost: \$663,000)	Professional: 2007 / Construction: N/A
d.	Turnpike District Western Beltway C Construction Materials Testing and Inspection, Florida Department of Transportation, Various Cities, Florida (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Technician: Laboratory testing of construction materials including soils, cement, asphaltic concrete and other materials in conjunction with roadway construction and renovation projects. Sites included Western Beltway "C" and other well-traveled roadways making up the turnpike network. Responsible for visual inspection welding and nondestructive testing of welds on a bridge that was raised to provide additional clearance for vehicular traffic on the Florida Turnpike. (Cost: \$913,000)	Professional: 2007 / Construction: N/A
d.	Wind Bracing Weld Inspections In Southeastern United States, Wal-Mart/Sam's Club, Various Locations, Nationwide (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Inspector: Weld inspection of field welds and other wind bracing and structural components of engineered roofing systems at over 180 retail facilities in 9 southeastern states. Work performed on fast-track basis by a dozen AMEC office teams mobilized quickly, with inspections completed in under two weeks; subsequently inspected welding repairs at stores where deficiencies were noted. Responsible for performing visual weld inspections, as well as structural inspections, and submitted findings to owner. (Cost: \$462,000)	Professional: 2007 / Construction: N/A

E. Resumes of Key Personnel Proposed for this Contract

12. NAME
Winston Aurelio Orellana

13. ROLE IN THIS CONTRACT
Construction Materials Testing and Inspection

14. YEARS EXPERIENCE
13 Total / 13 Current Firm

15. FIRM NAME AND LOCATION (City and State)
AMEC, Miami, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)
N/A

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
**FDOT CTQP Certified Concrete Lab Technician
FDOT CTQP Certified Aggregate Base Testing Technician
FDOT CTQP Certified Aggregate Testing Technician
FDOT CTQP Certified Technician
FDOT CTQP Certified Qualified Sampler Technician
Certified Nuclear Safety and Transportation of Hazmat
Emergency Action Plan**

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Winston Orellana is a Senior Engineering Technician responsible for running soil compaction tests (Proctors) and assists in overseeing the production of the Proctor and Clean labs. Samples are logged in order to be tested and various tests are performed. A few of the procedures performed by Mr. Orellana include LBR Penetrations, Wash 200s, Liquid Limit, Plastic Limit, Organic Content, and pH of soils. He also verifies calculations run by other technicians and reports laboratory data. Mr. Orellana has had technical training and hands-on experience in AMEC's concrete laboratory and is familiar with field testing, such as soil density using the nuclear gauge, drive sleeve or sand cone and concrete sampling, slump, air content and cylinder forming. In addition, he performs maintenance and calibration of laboratory equipment. Mr. Orellana has five years experience with the FDOT District 4 and District 6 performing laboratory and field construction materials testing.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State) 595 Design Build, Florida Department of Transportation/Dracados USA, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: Year
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Engineering Technician: Performs for QA/QC soil testing such as embankments, base testing, limerock bearing ratio testing, select material testing maximum dry density and optimum moisture determination of soil sample. Conducts concrete compressive strength testing when needed. Responsible for optimizing the client's technical needs by ensuring that testing and results are completed with required standards and on a timely. He has created a soil log to track all soil samples delivered to the lab and are properly labeled before testing begins. AMEC is providing fulltime quality control construction management services along with field and laboratory sampling and testing as a subcontractor for a five-year FDOT project involving construction of 10.3 miles. Services include concrete field sampling and testing, bridge, pier, cap concrete Inspections, lab concrete and soil testing, earthwork field inspections, testing, logging and reporting, asphalt roadway inspections and tracking of LIMS reports and entries for all segments along with quality control management of all services listed above. (Cost: \$8.8 million)	
b.	(1) TITLE AND LOCATION (City and State) I-595 Roadway Corridor Improvement Project, Florida Department of Transportation/AECOM, Ft. Lauderdale, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Engineering Technician: Performs sieve analysis, organic impurities, and proctor testing per client's request. AMEC is serving as Geotechnical Engineer of Record; supporting AECOM in its design build of the I-595 Corridor Improvements project. Improvements to 10.3 miles of multi-lane, east-west; connector between I-75 from the west to just shy of I-95 to the east; including addition of 3 new reversible toll lanes in effort to alleviate traffic congestion, 65 new and existing bridge widening and upgrades and also improvements to existing roadways and ramps. Services include Geotechnical exploration consisting of about 2,700 supplemental soil borings and or testing and monitoring of varying depths for an approximate total 71,000 linear feet of depth and supported laboratory testing. (Cost: \$8.8 million)	
c.	(1) TITLE AND LOCATION (City and State) Districtwide Materials Lab Testing for District 4 and District 6 Construction Support, Florida Department of Transportation, Davie, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Engineering Technician: Responsible for lab verification testing for soils, density and compaction testing, concrete compressive strength, sieve analysis, concrete mix designs, and organic impurities. Also assist with recording and documentation of records for projects. (Cost: \$252,000)	
d.	(1) TITLE AND LOCATION (City and State) Florida Turnpike Enterprise, Various Locations, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Engineering Technician: Performs LIMS data entry, concrete compressive strength testing, limerock bearing ratio testing, maximum dry density and optimum moisture determination of soil sample. CEI inspections and testing and include on-call verification inspection/testing for the FDOT when needed. (Cost: \$783,000)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Marcia Chacon	13. ROLE IN THIS CONTRACT Construction Materials Testing and Inspection	14. YEARS EXPERIENCE 16 Total / 5 Current Firm
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15. FIRM NAME AND LOCATION (City and State) AMEC, West Palm Beach, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors of Geology
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17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
ACI Aggregate Base Testing Technician
ACI Aggregate Testing Technician – Level 1
ACI Concrete Laboratory Testing Technician – Level 1
ACI Concrete Strength Testing Technician
FDOT CTQP Aggregate Base Testing Technician
FDOT CTQP Aggregate Testing Technician
FDOT CTQP Qualified Sampler Technician
FDOT CTQP Concrete Lab Technician – Level 1
FDOT CTQP Limerock Bearing Ratio Technician

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 As a Laboratory Technician, Ms. Marcia Chacon is experienced in performing CMT in a laboratory environment. Typical tests performed by Mrs. Chacon include LBR, wash 200s, liquid and plastic limits (Atterberg limits), organic content, pH of soils, and compressive strength testing on concrete specimens. In addition to performing these tests, Mrs. Chacon is also responsible for maintaining laboratory equipment calibrations. Ms. Chacon has more than 16 years of experience in her field.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State) 595 Design Blvd, Florida Department of Transportation/ Dragados USA, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Administrative Support: Responsibilities included geotechnical exploration, QC, and construction materials inspection and testing services, as a subcontractor, for a five-year FDOT project involving construction of three miles of HOT lanes on a three-lane highway. Provided administrative support for daily scheduling and communications. (Cost: \$8.8 million)	
	(1) TITLE AND LOCATION (City and State) Lakeside Ranch Stormwater Treatment Area Phase I, South Florida Water Management District, Florida	(2) YEAR COMPLETED Professional: 2011 / Construction: N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Engineering Technician: Responsible for general engineering, professional services, and construction management. The site is located on the northeast shore of Lake Okeechobee, just east of U.S. Highway 441/98 in Martin County, Florida, and is approximately 2,700 acres in size. Performed concrete strength testing, LBR tests, proctor tests, sieve analysis, and prepared field density test reports. (Cost: \$3 million)	
	(1) TITLE AND LOCATION (City and State) Moore Haven Tower Replacement, South Florida Water Management District, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Engineering Technician: Provided construction inspection services for a microwave tower structure. Removal and replacement of the existing telemetry tower and installation of all required microwave dishes, waveguides, and appurtenances. Installation of a new 300-foot self-supporting microwave antenna tower, construction of new tower foundation, precast concrete shelter, 50-kilowatt liquid propane generator, 2,000-gallon LP fuel tank and underground piping, new DC power system, site grounding/bonding and connection to the existing fencing. Performed concrete strength testing, LBR tests, Proctor tests, Sieve Analysis, and prepared field density test reports. (Cost: \$180,000)	
	(1) TITLE AND LOCATION (City and State) Palm Beach Gardens Community High School, School District of Palm Beach County	(2) YEAR COMPLETED Professional: 2009 / Construction: N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Technician: Provided CMT services for development of new high school complex adjacent to existing facility. New school includes classrooms, laboratories, administrative space, cafeteria, gymnasium, parking area, and other student and faculty amenities. Performed concrete strength testing, LBR tests, proctor tests, sieve analysis, and prepared field density test reports. (Cost: \$106,000)	
	(1) TITLE AND LOCATION (City and State) Hampton Inn and Suites, OTO Development, LLC, Florida	(2) YEAR COMPLETED Professional: 2009 / Construction: N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Technician: Performed CMT and threshold inspection services for five-story hotel covering approximately 62,500 square feet with outdoor swimming pool. Services include observation and lab testing of soils, concrete masonry and structural steel, and roofing inspections. Performed concrete strength testing, LBR tests, proctor tests, sieve analysis, and prepared field density test reports. (Cost: \$80,880)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Dieutel Francois	13. ROLE IN THIS CONTRACT Construction Materials Testing and Inspection	14. YEARS EXPERIENCE 11 Total / 4 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, West Palm Beach, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
 Aggregate Base Testing Technician
 Aggregate Testing Technician
 LBR Technician
 Qualified Sampler Technician
 Concrete lab Technician, Level 1
 Earthwork Construction Technician, Level 1
 ACI Concrete Field Technician, Grade 1
 MOT Workzone Traffic Control: Intermediate Level
 Portable Nuclear Density/Moisture Gauge Use

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Dieutel Francois has more than seven years of professional experience providing engineering services for various construction projects in South Florida. These projects range from commercial and residential structured developments to state and county roadways. Mr. Francois, who previously served as a Project Engineer, designed and prepared drawings for roadway, grading, paving, drainage, water distribution construction, and wastewater collection. Mr. Francois' primary emphasis is in CMT, construction engineering inspections, and lab inspections.

Mr. Francois is certified to perform lab and field testing of soils, aggregates, concrete, grout, in-place field nuclear density testing, and various construction inspection services.

19. Relevant Projects

(1) TITLE AND LOCATION (City and State) Lakeside Ranch Stormwater treatment Area Phase I, South Florida Water Management District, Indiantown, Florida	(2) YEAR COMPLETED Professional: 2011 / Construction: Year
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Engineering Technician: Responsible for maintaining field data and sampling concrete, performing density testing, providing oversight for various construction materials applications, on-site testing according to ASTM procedures, providing direction to other technicians, and maintaining open communication with the construction site supervisor. Provided construction management services during the construction of the Lakeside Ranch STA North and S-650 Pump Station, located east of Lake Okeechobee and west of SR 710 (Bee Line Highway) on the boundary of Martin and adjacent Okeechobee Counties. The STA will encompass 2,700 acres and include a three-cell STA, distribution/outlet canals, and water control structures. The project also includes improvements for the L-64 and L-63 Canals, involving the excavation of approximately 5,000 linear feet of canal below the control water elevation, partial reconstruction of approximately 4,120 linear feet of the L-64 Canal, and replacement of the culvert/road crossing at CR 15B (structure S-667). In addition, S-650 Pump Station will receive flow from the L-64 Canal, and discharge into the Lakeside Ranch STA distribution canal and into three-inlet structure. S-650 Pump Station will have a combined pumping capacity of approximately 250 cubic feet per second. The construction activities will include earthwork and clearing operations, dewatering, deep excavations, as well as temporary and permanent sheeting for the structure concrete construction (starting at elevation +3.0). (Cost: \$3 million)	
(1) TITLE AND LOCATION (City and State) C-41A Segment I and II Canal Improvement Project, South Florida Water Management District, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction Inspector: Maintained field data and sampled concrete, performed density testing, provided oversight for various construction materials applications, and tested on-site according to ASTM procedures. Provided oversight inspections to construction teams. Provided services during the restoration and construction activities of canal banks along a 4.68-mile section of the existing C-41A Canal. The construction work consisted of repairing approximately 11 miles of the C-41A canal banks. Reconstruction of the canal banks included removing the existing vegetation, backfill and compaction of the banks, sodding and installation of turf reinforcement mats on the canal banks (for the entire length of the project), as well as the completion of the canal appurtenants and collateral work. (Cost: \$735,000)	
(1) TITLE AND LOCATION (City and State) C-44 Reservoir Stormwater Treatment Area Project, Indiantown, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Technician: Responsibilities included providing field and laboratory CMT inclusive of LBR, wash 200s, liquid and plastic limits (Atterberg limits), organic content, pH of soils, sand cone, and in-place field nuclear density testing. In addition, duties include documentation of construction activities and review of construction drawings and technical specifications for compliance. Provided materials testing and earthworks inspection services during reservoir site preparation and intake canal improvements. (Cost: \$1.47 million)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME
David Hinostrroza

13. ROLE IN THIS CONTRACT
**Construction Materials
Testing and Inspection**

14. YEARS EXPERIENCE
14 Total / <1 Current Firm

15. FIRM NAME AND LOCATION (City and State)
AMEC, West Palm Beach, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)
N/A

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
**FDOT Asphalt Paving Technician – Level 1
FDOT Asphalt Paving Technician – Level 2
FDOT Concrete Field Technician – Level 1
FDOT Earthwork Construction Inspection – Level 1
FDOT Earthwork Construction Inspection – Level 2
FDOT Augercast Pile Inspector**

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. David Hinostrroza has more than 14 years experience in construction inspection and testing, providing engineering inspection and testing support for augercast piles and drilled shaft installation, as well as vertical construction QA/QC controls, and roofing and fire proofing inspections. He also has managerial experience as a laboratory manager for soils and concrete. Mr. Hinostrroza has performed inspections for airports, transportation, government, as well as private construction projects throughout south Florida. He is proficient in AASHTO, ASTM, ACI, FDOT, FAA standards, and Building Code specifications.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	Palmetto Electrical Substation, Okeechobee, Florida	Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Senior Engineering Inspector: Lead inspector during the construction of new Palmetto electrical sub-station, which will support all traction power requirements between the Palmetto and Okeechobee MDT stations. Mr. Hinostrroza provided QA/QC and owner's representation services throughout all construction phases of this development. Project completion including sub-station testing and startup is expected by August 2013.	
b.	Tierra South Florida, West Palm Beach, Florida	Professional: 2011 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Senior Engineering Inspector: Responsible for quality control and quality assurance inspections for several public and private projects. Responsibilities included quality control for structural concrete placements, utility installation, and roadway construction. (Cost: Varied Per Project)	
c.	Professional Service Industries, Inc., Fort Lauderdale, Florida	Professional: 2009 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Senior Engineering Technician: Provided engineering inspection and testing services for utility installation and roadway construction for many public and private sector projects. (Cost: Varied Per Project)	
d.	QORE Property Sciences, West Palm Beach, Florida	Professional: 2005 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Engineering Technician: Provided field testing and inspection services during concrete placement, utility installation and roadway construction. (Cost: Varied Per Project)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Valwin Knight	13. ROLE IN THIS CONTRACT Construction Materials Testing and Inspection	14. YEARS EXPERIENCE 23 Total / 9 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, West Palm Beach, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors of General Studies	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
ACI Concrete Field Testing Technician, Grade 1
ACI Earthwork Construction Inspection, Level 1
Radiation Safety & Use of Nuclear Gauges

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 A Senior Engineering Technician, Mr. Valwin Knight performs all field and laboratory tests required for soils and concrete. He is also experienced in the evaluation of soils and concrete. His responsibilities include observations of reinforcing steel, soils, all field laboratory testing of concrete, and observations of post-tensioning. Mr. Knight has provided inspections of foundation installation, including driven and auger-cast piles, as well as both threshold and special inspections under the Florida threshold law.

19. Relevant Projects

a.	(1) TITLE AND LOCATION (City and State) 595 Design Build, Florida Department of Transportation/Dragados USA, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: Year
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineering Technician: Performing quality control for soil and concrete. Responsibilities included geotechnical exploration, QC, and construction materials inspection and testing services, as a subcontractor, for a five-year FDOT project involving construction of three miles of HOT lanes on a three-lane highway. Provided administrative support for daily scheduling and communications. (Cost: \$8.8 million)	
b.	(1) TITLE AND LOCATION (City and State) Lakeside Ranch Stormwater Treatment Area Phase I, South Florida Water Management District, Florida	(2) YEAR COMPLETED Professional: 2011 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineering Technician: Responsible for maintaining field data and sampling concrete; performed density testing; provided oversight for various construction materials applications; tested on-site according to ASTM procedures; offered direction to other technicians; and maintained open communication with the construction site supervisor. Provided general engineering, professional services, and construction management as requested by client. The site was located on the northeast shore of Lake Okechobee and east of US Hwy 441/98 in Martin County, Florida. (Cost: \$3 million)	
c.	(1) TITLE AND LOCATION (City and State) Moors Haven Tower Replacement, South Florida Water Management District, Florida	(2) YEAR COMPLETED Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Laboratory Engineering Technician: Provided construction inspection services for a microwave tower structure. Removal and replacement of the existing telemetry tower and installation of all required microwave dishes, waveguides, and appurtenances. Installation of a new 300-foot self-supporting microwave antenna tower, construction of new tower foundation, precast concrete shelter, 50-kilowatt liquid propane generator, 2,000-gallon LP fuel tank and underground piping, new DC power system, site grounding/bonding and connection to the existing fencing. Performed concrete strength testing, LBR tests, Proctor tests, Sieve Analysis, and prepared field density test reports. (Cost: \$180,000)	
d.	(1) TITLE AND LOCATION (City and State) Palm Beach Gardens Community High School, School District of Palm Beach County	(2) YEAR COMPLETED Professional: 2009 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Field Coordinator: Responsible for coordinating with the contractors and subcontractors during daily activities regarding CMT and inspections; performed all CMT inspection, sampling, and testing on-site. Provided construction materials testing services for development of new high school complex adjacent to existing facility. New school will include classrooms, laboratories, administrative space, cafeteria, gymnasium, parking area and other student and faculty amenities. (Cost: \$106,000)	
d.	(1) TITLE AND LOCATION (City and State) Fairfield Inn and Suites Fort Pierce Hotel, OTO Development, LLC, Florida	(2) YEAR COMPLETED Professional: 2009 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineering Technician: Responsible for maintaining field data and sampling concrete; performed density testing; provided oversight for various construction materials applications; tested on site according to ASTM procedures; offered direction to other technicians and maintained open communication with the construction site supervisor. Provided vibro-replacement (stone column) monitoring, CMT, and threshold inspections for construction of a four-story, 111-room hotel with in-ground swimming pool. (Cost: \$80,880)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Carlos E. Garcia	13. ROLE IN THIS CONTRACT Construction Materials Testing and Inspection	14. YEARS EXPERIENCE 9 Total / 5 Current Firm
15. FIRM NAME AND LOCATION (City and State) AMEC, Miami Lakes, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Computer Information/Science, Computer & Mathematical Sciences	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
FDOT CTQP Certified Asphalt Paving I
FDOT CTQP Certified Asphalt Paving II
FDOT CTQP Certified Asphalt Plant I
FDOT CTQP Certified Asphalt Plant II
FDOT CTQP QC Manager.

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Carlos Garcia joined AMEC in 2006. Since joining the firm, he has been actively participating in testing and inspection of asphalt and concrete on multiple FDOT projects. Mr. Garcia has worked on various commercial projects throughout South Florida and has successfully completed CTQP Asphalt Plant Level 1 and 2 certification.

19. Relevant Projects

(1) TITLE AND LOCATION (City and State) 595 Design Build, Florida Department of Transportation/Drageados USA, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineering Inspector: Team Leader and QA/QC Asphalt Inspector for Segments A, B, C, D and E. Supervising all aspects of the asphalt quality control process, including the inspection of asphalt placement, milling, and resurfacing and overbuild. Also overseeing the asphalt crew members' review and all daily schedules and paving operations. Performs paving operations and inspections when needed. AMEC is providing fulltime Quality Control Construction Management Services along with field and laboratory sampling and testing as a subcontractor for a five-year FDOT project involving construction of 10.3 miles. Services include concrete field sampling and testing, bridge, pier, cap concrete inspections, lab concrete and soil testing, earthwork field inspections, testing, logging and reporting, asphalt roadway inspections and tracking of LIMS reports and entries for all segments along with quality control management of all services listed above. (Cost: \$8.8 million)	
(1) TITLE AND LOCATION (City and State) Districtwide Materials Lab Testing for District 4 and District 6 Construction Support, Florida Department of Transportation, Davie, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineering Inspector: Responsible for lab asphalt verification testing upon request by the department of transportation. Also conducted asphalt plant inspections and roaming IV asphalt plant inspections when needed. LIMS upload, developing spreadsheets and reports. Project includes standard professional services, including verification sampling, testing, inspection, field and laboratory testing of bituminous material, concrete, soils, aggregate materials, water, steel, prestress concrete, precast concrete, and others. Performed acceptance and verification sampling and testing on project on site as well as offsite locations along with clerical services on a needed basis. Offered support of engineering and construction efforts to build and upgrade roadways and bridges throughout Florida DOT Districts 4 and 6. (Cost: \$252,000)	
(1) TITLE AND LOCATION (City and State) Consulting Inc. GEC Services, Miami-Dade Expressway Authority/EAC Consulting, Miami, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineering Technician: Performs Asphalt plant verifications and Asphalt Roadway assurance inspections. Project includes providing EAC Consulting Inc. with professional and construction management services for assorted projects related to MDX's construction program. (Cost: \$137,000)	
(1) TITLE AND LOCATION (City and State) Florida Turnpike Enterprise, Various Locations, Florida	(2) YEAR COMPLETED Professional: Ongoing / Construction: N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineering Technician: Performs CEI inspections and testing and include on-call verification inspection/testing at asphalt production plants for the FDOT. Also conducts roaming IV asphalt plant inspector. Performs asphalt roadway inspections when needed. Project includes providing roadway improvements and construction management services for multiple projects along Florida's Turnpike System. Services include asphalt plant verification, asphalt roadway inspection, earthwork level I and II inspections/testing for verification, concrete verification and inspection and CEI inspections. Also management of the contract includes administering the project services, managing tasks and assignments between different FDOT project numbers, tracking manpower needs, and providing concise and accurate invoicing on a project by project basis. (Cost: \$783,000)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Marlon Robaina	13. ROLE IN THIS CONTRACT Construction Materials Testing and Inspection	14. YEARS EXPERIENCE 8 Total / 8 Current Firm
15. FIRM NAME AND LOCATION (City and State) Miami Lakes, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) N/A	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
ACI Field Technician Concrete
FDOT Certified Nuclear Moisture Density Gauge Transportation Technician Nuclear Gauge
FDOT CTQP Certified Field Technician Concrete
FDOT CTQP Certified Field Technician Drilled Shaft Inspection
FDOT CTQP Certified Field Technician Pile Driving Inspection
FDOT CTQP Certified Asphalt Paving I Asphalt
FDOT CTQP Certified Asphalt Paving II Asphalt
FDOT CTQP Certified Asphalt Plant Technician Asphalt

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Marlon Robaina joined AMEC in 2005. Since joining the firm, he has been actively participating in testing and inspection of asphalt and concrete on multiple projects. Mr. Robaina has worked on various commercial projects throughout South Florida and has successfully completed several FDOT certifications.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	I-595 Roadway Corridor Improvement Project, Florida Department of Transportation/AECOM, Ft. Lauderdale, Florida Inspector/Field Technician: AMEC is serving as Geotechnical Engineer of Record; supporting AECOM in its design build of the I-595 Corridor Improvements project. Improvements to 10.3 miles of multi-lane, east-west; connector between I-75 from the west to just shy of I-95 to the east; including addition of 3 new reversible toll lanes in effort to alleviate traffic congestion, 65 new and existing bridge widening and upgrades and also improvements to existing roadways and ramps. Services include geotechnical exploration consisting of about 2,700 supplemental soil borings and or testing and monitoring of varying depths for an approximate total 71,000 linear feet of depth and supported laboratory testing. (Cost: \$8.8 million)	Professional: Ongoing / Construction: N/A
c.	Jewish Creek Bridge Design-Build Geotechnical Services, Florida Department of Transportation, Key Largo, Florida Inspector/Field Technician: Geotechnical consultant to Granite design-build team for replacement of Jewish Creek Bridge, 1½-mile-long high level bridge, supported on redundant and nonredundant drilled shafts, over the Intracoastal Waterway, along with widening of 5 miles of approach road supported on organic soils improved by dry soil mixing. Provided geotechnical engineering, over water and land soil borings, 4-inch diameter rock coring, rock coring, lab testing, drilled shaft installation inspection, foundation evaluations, foundation construction inspection/quality control laboratory testing and utility coordination services. Monitoring, observing, and documenting the drilled shaft installation activities performed by the drilled shaft specialty contractor to insure that the drilled shafts are installed in accordance with the design drawings and project specifications. (Cost: \$1.95 million)	Professional: 2008 / Construction: N/A
d.	Nuclear Generating Station Geotechnical Investigations, Confidential Client, Testing, Homestead, Florida Engineering Technician: Served as a driller helper and providing technical support for geotechnical investigations and laboratory testing for combined construction and operating license (COL) submitted to state and federal agencies for twin reactor nuclear power facility (each pressurized water reactor with 760 MW capacity), sited on 3,300 acres in an environmentally sensitive area. (Cost: \$5 million)	Professional: 2009 / Construction: N/A

E. Resumes of Key Personnel Proposed for this Contract

12. NAME
Hernando Garcia

13. ROLE IN THIS CONTRACT
Construction Materials Testing and Inspection

14. YEARS EXPERIENCE
15 Total / 10 Current Firm

15. FIRM NAME AND LOCATION (City and State)
Miami Lakes, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)
B.S. Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Certified Nuclear Safety and Transportation of Hazmat
FDOT CTQP Certified Earthwork Construction Inspection I
ACI Concrete Field Technician I
FDOT CTQP Certified Concrete Field Technician I
FDOT CTQP Certified Drilled Shaft Inspection
FDOT CTQP Certified Pile Driving Inspection
FDOT Certified Masonry Field Technician
FDOT Certified Operator Soil
FACE Floor Profiler Technician
FEMA-Emergency Management Operator

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Hernando Garcia is a highly skilled engineer inspector with over 15 years of experience. He worked as a civil engineer and engineering inspector for 12 years in Columbia both independently and for a commercial firm. Joining AMEC in 2003, he has years worth of experience in South Florida as an Inspector and Senior Engineering Technician. While with AMEC, Mr. Garcia has extensive experience in the inspection and testing of concrete, roof evaluation including inspection and testing, reinforcing steel, soils, fireproofing materials, post-tensioning, augercast piles, nelson studs, and glazing frame inspections.

Mr. Garcia is also a certified nuclear soil density gauge operator, and has passed the AMEC welding inspector course. Mr. Garcia has also provided engineering inspection of structural concrete, fill soils and pre-cast concrete plants. He has been a full-time field inspector at over 100 projects of all sizes.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	I-595 Roadway Corridor Improvement Project, Florida Department of Transportation/AECOM, Ft. Lauderdale, Florida	Professional: Ongoing / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Engineering Technician: Responsible for quality control earthwork inspections on embankments mostly and testing along with the recording of entries in the Density Log book for Segments C. Also performs concrete sampling, air content tests, and slump tests per LOT. AMEC is providing fulltime Quality Control Construction Management Services along with field and laboratory sampling and testing as a subcontractor for a five-year FDOT project involving construction of 10.3 miles. Services include concrete field sampling and testing, bridge, pier, cap concrete Inspections, lab concrete and soil testing, earthwork field inspections, testing, logging and reporting, asphalt roadway inspections and tracking of LIMS reports and entries for all segments along with quality control management of all services listed above. (Cost: \$8.8 million)	
c.	North Dade Middle School Construction Material Testing, Miami-Dade County Public Schools, Miami, Florida	Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Engineering Technician: Provided earthwork field inspections and testing of materials including field density testing concrete sampling and testing. Kept daily records of all activities performed. On needed bases assisted in soil sample pickups and delivery of concrete cylinders. (Cost: \$75,000)	
d.	Treatment Plant HLD, Construction Materials Testing and Inspection Services, Miami Dade Water and Sewer Authority Treatment Plant, Miami, Florida	Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Senior Engineering Technician: Performed field inspections and testing of materials including observation of backfill operations, visual welding inspections, concrete sampling and testing along with light weight concrete sampling. Also soil sample for proctor testing and densities tests were conducted. Performed manual probing tests to help ensure structures, roads, and utility trenches are not bearing on sand pockets or deleterious material AMEC served as special inspector of record with respect to soil compaction on several of the structures. Services consisted of backfill monitoring to ensure removal of deleterious material and replacing with designer-specified backfill in specified layers. Performed field soil density tests and laboratory proctor testing to confirm the compaction of soils, and Limerock Bearing Ratio (LBR), organic content, sieve analysis, soil classification, and Atterberg Limits testing. Field and laboratory concrete compressive strength testing for the project on over 75,000 cubic yards of concrete over a several year period. Other services included visual inspection of reinforcing steel for reinforced concrete structures onsite. (Cost: \$496,000)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Melissa Lopez	13. ROLE IN THIS CONTRACT Construction Materials Testing and Inspection	14. YEARS EXPERIENCE 6 Total / 6 Current Firm
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15. FIRM NAME AND LOCATION (City and State) Miami Lakes, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) N/A
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17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
FDOT Laboratory Information Management System (LIMS) - Level II
FDOT Consultant Invoice Transmittal System (CITS)
FDOT Hummingbird Data System
FDOT Soil Density System (Laboratory Management Software)
FDOT CTMS (Concrete Management Software)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Ms. Melissa Lopez works with AMEC's Construction Services Department and has experience working on multiple commercial, municipal, FDOT and FDEP construction engineering inspection (CEI) projects. Her responsibilities for commercial construction includes management of field density reporting files and data input, scheduling of inspection staff, reviewing and finalizing client invoices as well as generating laboratory reports for soil and concrete related laboratory tests. Her responsibilities on multiple FDOT and state related projects include providing administrative support, working within the state billing system (CITS), managing invoicing, the management and input of data in to the state's LIMS system, and providing support on FDOT projects for Equal Opportunity Employment (EEO) related compliance issues. As support for AMEC's South Florida operations, Ms. Lopez is also responsible for timesheet management and entry for roadway and bridge inspectors and construction materials laboratory staff.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	GEC Services, EAC Consulting, Inc., Miami, Florida	Professional: 2012 / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Coordinator: Construction management services for assorted projects as assigned for typical construction sites. Responsible for contract coordination and billing. (Cost: \$173,000)	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Christopher L. Lewis, PE	13. ROLE IN THIS CONTRACT Construction Foundation Testing	14. YEARS EXPERIENCE 22 Total / 8 Current Firm
15. FIRM NAME AND LOCATION (City and State) Foundations & Geotechnical Engineering, LLC, Plant City	16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Geotechnical Engineering M.S. in Geotechnical	
17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida No. 58092		

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Christopher Lewis's specialties include: Pile Driving Analyzer (PDA), WEAP, CAPWAP Analysis, Embedded Data Collector (EDC), pile capacity evaluation, Pile Integrity Testing (PIT), Rapid Load Testing (Statnamic and RLT), static load testing, foundation design, crosshole sonic logging, and instrumentation. He also has a thorough knowledge of Florida Department of Transportation 455 Specification and the operating procedures of FDOT.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	I95 HOV Widening South of PGA Boulevard to South of Donald Ross Road	Professional: / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Training on auger cast pile installation, dynamically monitor test piles, observe and evaluate drilled shaft installation, CSL testing, review of CAPWAPS and WEAPs used in recommendations for production pile lengths and criteria.	
b.	NW 74th Street Interchange, North of Sunrise Boulevard to Atlantic Boulevard	Professional: / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Dynamically monitor test piles, CAPWAPS, WEAPs, establish production pile lengths and driving criteria. Perform pile integrity testing to evaluate driven piles.	
c.	Tampa Airport Interchanges Project, Tampa, Florida	Professional: / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for reviewing and sealing dynamic testing results for the two new interchanges. The project consists of 17 bridges, 65 test piles and over 1,500 production piles. Evaluating dynamic test pile data and providing recommended production pile cast lengths and installation criteria.	
d.	SR 414 Extension OCCEA Project No. 414-210	Professional: / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for reviewing and sealing dynamic testing results for the structures over Keene, FGT Gas line, Ramp H-B, Hiwassee, Lakeville, etc. for DRMP.	
e.	Marden over SR 414 OCCEA Project No. 429-200C	Professional: / Construction: N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for reviewing and sealing dynamic testing results for the structures for DRMP.	

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Austin G. Mullins, PhD, PE	13. ROLE IN THIS CONTRACT Construction Foundation Testing	14. YEARS EXPERIENCE 21 Total / 8 Current Firm
15. FIRM NAME AND LOCATION (City and State) Foundations & Geotechnical Engineering, LLC, Plant City	16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Civil Engineering M.S. in Geotechnical/Structural Engineering Ph. D. in Geotechnical Engineering	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Professional Engineer, Florida No. 52725

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Austin Mullins specialties include: rapid load testing, drilled shaft design (traditional and post grouted), pile capacity evaluation, static load testing, soil modification via dynamic replacement and/or compaction as well as structural and geotechnical instrumentation. He also has a thorough knowledge of Florida Department of Transportation 455 Specification as he prepared a companion commentary for the FDOT SMO in the areas concerning drilled shaft construction.

19. Relevant Projects

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED
a.	PGA Boulevard Grade Separation Bridge, West Palm Beach, Florida (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided value engineering re-design for the use of 36 inch diameter post grouted drilled shafts in lieu of driven piles order to alleviate vibrations to sensitive local medical center.	Professional: / Construction: N/A
b.	Tropicana Dome, St. Petersburg, Florida (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided testing expertise for the minipile testing and evaluation for the rehabilitation of the structure caused by organic soil-induced subsidence.	Professional: / Construction: N/A
c.	Bayou Chico Bridge, Pensacola, Florida (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Performed comparison load test programs on 3, 24 inch square prestressed piles founded in dense sands. The program evaluated both the affect of load rate on capacity while also demonstrating the sensitivity of static load tests to reaction pile installation.	Professional: / Construction: N/A
d.	SR 600 Hillsborough River Bridge, Tampa, Florida (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Consultant to Birminghammer Foundation Equipment providing instrumentation, monitoring, and data acquisition services for two 3600 ton over-water statnamic load tests.	Professional: / Construction: N/A
e.	West Bound Ramp I-4, Plant City, Florida (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Designed and implemented ground modification method for organic soil deposits using a specialized dynamic compaction pounder. The method led to the successful mitigation of highly compressible subsoils as verified by a long-term surcharge and settlement monitoring program.	Professional: / Construction: N/A

E. Resumes of Key Personnel Proposed for this Contract

12. NAME Kumar Allady	13. ROLE IN THIS CONTRACT Geotechnical Engineering Design and Construction	14. YEARS EXPERIENCE 20 Total / 15 Current Firm
15. FIRM NAME AND LOCATION (City and State) RADISE International, L.C., Riviera Beach, Florida	16. EDUCATION (DEGREE AND SPECIALIZATION) M.S. Civil Engineering	

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Professional Engineer, Florida No. 52845

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
 Mr. Kumar Vedula has more than 17 years experience in a wide variety of geotechnical projects involving foundation design, slope stability analysis, WEAP analysis and interpreting PDA reports, excavation support, and construction inspection. Extensive experience includes foundation inspections (shallow and deep foundations), soil modification (dynamic compaction, stone columns), preloading, excavations, backfilling, and post construction monitoring. Authored and Co-authored papers published in national and international publications. Mr. Vedula also has GIS experience using ARC/INFO. Created a GIS database for assessment of seismic vulnerability of Shelby County, Tennessee, as part of research project funded by USGS.

19. Relevant Projects		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
1-95 Add Lanes from South of Glades Road to North of Yamato Road, Boca Raton, Florida	Professional: Ongoing / Construction: N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Principal-in-Charge: RADISE is assisting FOOT District 4 in developing Geotechnical sections of a design-build RFP package for I-95 widening which includes a new interchange (seventeen new bridges) at Spanish River Blvd and capacity improvements (widening of eight existing bridges) along Glades Road and Yamato Road in Palm Beach County. RADISE services included drilling, laboratory testing (soils and chemical analytical) and engineering services. (Cost: \$305,000)		
WCA 3A/3B Levee Seepage Management, Broward County, Florida	Professional: 2007 / Construction: N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Project Manager: RADISE assisted SFWMD during the design phase of this project. This project provides flood protection, ecosystem restoration, urban and environmental water supply and reduction of seepage. It consisted of a STA, pump stations, culverts, water control structures and levees. RADISE provided drilling, laboratory testing, in-situ and field testing, geophysical investigations, chemical-analytical lab testing and engineering services. (Cost: \$400,000)		
Palm Beach County Continuing Contract, Palm Beach County, Florida	Professional: Ongoing / Construction: N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Principal-in-Charge: RADISE has provided geotechnical engineering, construction inspection and materials testing services to Palm Beach County on several projects. The projects include new county buildings, fire stations, building additions, roadways, fishing piers, beach restoration and parks. RADISE performed field exploration, laboratory testing, engineering and inspection services during design and construction phases. (Cost: \$90,000)		
Herbert Hoover Dike (HHD) Rehabilitation Project, Palm Beach and Martin Counties, Florida	Professional: Ongoing / Construction: N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. Principal-in-Charge: The project involves the construction of a seepage cutoff wall through the existing dike. RADISE is assisting two of the three USACE contractors in mix design, field and lab testing. Field testing includes drilling and logging of the verification core borings, inclinometer measurements, in-situ permeability testing and 360 degree camera logging. Lab testing includes UCS and tri-axial permeability tests on the soil-concrete mix samples. (Cost: \$4.5 million)		
Picayune Strand Restoration Project, Collier County, Florida	Professional: 2007 / Construction: N/A	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm e. Principal-in-Charge: This project restores more than 55,000 acres of land located in Southwest Florida to its pre-development condition. RADISE provided drilling, laboratory testing, field testing, and engineering services during the design phase. Components included three pump stations at Merritt, Miller and Faka Union, spreader canals, flood protection levee, removal of existing roads, canal plugs and backfilling of existing canals. (Cost: \$150,000)		

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract

Project No. 1

21. TITLE AND LOCATION (CITY AND STATE)

22. YEAR COMPLETED
(PROFESSIONAL / CONSTRUCTION)

I-595 Corridor Improvements Project Geotechnical Services

Ongoing/NA

23. PROJECT OWNER'S INFORMATION

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
AECOM	Rey Rivas, Associate Vice President	305.444.4691

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

AMEC currently serves as the Geotechnical Engineer of Record supporting AECOM in its design build of the I-595 Corridor Improvements Project in Broward County, Florida. This project encompasses an approximate 10.3-mile-long, multi-lane, east-west connector between I-75 from the west to just shy of I-95 to the east. This project represents the single largest project ever awarded by the FDOT. The project scope is to widen and reconstruct I-595 to provide three new reversible toll lanes in an effort to alleviate traffic congestion. This fast-track project is worth \$1.2 billion and is planned to be completed by March 2014.

AMEC is providing geotechnical and quality control services as part of the Design Construction Team for the Public-Private Partnership. The geotechnical exploration consisted of approximately 2,700 soil borings of varying depths for an approximate total of 71,000 linear feet in depth and supporting laboratory testing. The drilling was provided in an accelerated schedule to ensure that the design teams could meet the tight timelines established during the onset of this project. To date, the drilling operations are 99 percent complete with no time lost claims from any drill teams that participated in this program.

AMEC also provided soil classification and laboratory services to the project. These services are approximately 99 percent complete and include numerous levels of review and approval by AECOM and the FDOT.

AMEC's scope includes the contractor quality control (QC) inspection of the actual construction. The AECOM/AMEC team handles technical support with on-site construction questions and concerns. We also provide qualified Construction Training Qualification Program (CTQP) Drilled Shaft and Pile Driving inspectors who oversee the installation of the piling throughout the project as well as the approximately 350 drilled shaft locations that will support certain lighting, signage, and digital message boards that will be installed along the roadway.

AMEC believes in safety first when providing all of the previously listed services and maintained a very safe workplace environment throughout the project. This safety culture was created on the first day of the project with team meetings and team building activities which consisted of a comprehensive emergency safety plan, daily tailgate safety meetings, and a team of engineers that ensured the locations chosen for drilling were called into the Sunshine Ticket clearance system. These professionals met in advance of any drilling to adjust chosen locations if the clearance team identified any underground or above ground safety concerns. To date we are approximately 90 percent complete on the total project with no lost time incidents reported.



Key Staff:

- Angela Alba, PE
- Brian Hathaway, PE
- Tom McDaniel, PE
- Bon Lien, PE
- James Horton, PE
- Zhihong Hu, PhD, PE
- Michael Woodward, PE
- Stephanie Setser, PE
- Christopher Burroughs, PG
- Marlon Robaina
- Alexendar Rojas, PE
- Valwin Knight
- Marcia Chacon
- Melissa Lopez

Project Cost:

\$15 million

25. Firms From Section C Involved With This Project

1. Firm Name / 2. Firm Location / 3. Role
AMEC / Miami, West Palm Beach, and Jacksonville / Construction Materials Quality Assurance

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract		Project No. 2
21. TITLE AND LOCATION (CITY AND STATE)	22. YEAR COMPLETED (PROFESSIONAL / CONSTRUCTION)	

FDOT District 4 - Geotechnical and Materials Testing Contract	2008 / NA
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23. PROJECT OWNER'S INFORMATION

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
Florida Department of Transportation, District 4	Terrence Walters	954.475.4102 x119

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

AMEC performed geotechnical and materials testing services under a District-wide geotechnical engineering and materials testing contract for the Florida Department of Transportation (FDOT), District-4. AMEC performed a total of 27 Task Work Order Assignments throughout the District's five county area (Broward to Indian River Counties) and received "Above Satisfactory" performance ratings with scores greater than 4.0 out of 5.0 possible points. Various engineering, laboratory and field related services were performed under this contract and are referenced below.

Signal Mast Arm Improvements

AMEC performed geotechnical explorations, including Maintenance of Traffic (MOT), in order to evaluate the subsurface profile and develop soil strength parameters for the design of drilled shafts for the support of traffic control signal mast arms in downtown City of Vero Beach in Indian River County. A timely response and the management of field personnel and resources led to the successful mobilization of field services. Our geotechnical engineers performed site reconnaissance to mark and identify appropriate locations for borings in order to avoid existing buried and overhead utilities prior to coordinating and scheduling Sunshine One Call Utility Locator. The work was performed at the intersections of several congested commuter travel lanes requiring our team to file a right-of-way permit with the City of Vero Beach that included the development of a MOT plan requiring a temporary lane closure permit to safely access our boring locations. The results of our geotechnical studies were documented in a final technical engineering report and included soil test boring records and foundation design. Field services and final geotechnical reporting were performed within the negotiated schedule and under budget.

Fees: \$16,000

Drilled Shaft Independent Quality Assurance Inspection

Services consisted of performing independent quality assurance (IA) drilled shaft inspections with various CTQP certified drilled shaft inspectors to represent the FDOT during construction. The work was performed in various counties throughout District 4 and was in response to the Hurricane Restoration and County Improvements program. FDOT certified and trained senior testing technicians performed IA inspections from Indian River County to Broward County.

Fees: \$9,369

Concrete Field and Laboratory Verification Testing and Reporting Services

AMEC assisted as an extension to FDOT's available testing staff and provided CTQP qualified field concrete technicians to perform concrete verification testing at the pre-stressed concrete yards.

Fees: \$25,880

SR 5 Noise Barrier Wall, Box Culvert Extension, Retention Pond Improvements

AMEC performed a geotechnical subsurface exploration and engineering evaluation for the planned construction of approximately 700 feet of a noise barrier wall, a box culvert extension, and two large retention ponds. The field exploration required the submittal of a general use/right-of-way permit, as well as the coordination and planning of MOT plans to facilitate safety and accessibility to the desired testing locations. An All-Terrain-Vehicle (ATV) mounted-drill rig was utilized to drill the retention pond borings and to install and perform five constant head permeability tests within the planned retention pond area. Field services and final geotechnical reporting were performed within the negotiated schedule and under budget.

Fees: \$28,327

SR 80 Pavement Coring and Roadway Evaluation

AMEC performed pavement coring for approximately 2.5 miles of roadway along SR 80 located east of the SR 80 and U.S. Highway 27 intersection in the western quadrant of Palm Beach County. AMEC samples the subsurface stabilized subgrade and base course with the use of an SPT drill ring and also obtain 6-inch diameter asphalt cores. The field services require support from our MOT staff and the a lane closure was avoided with use of an "rolling" field testing and inspection services. Services included the evaluation of the base course thickness, cross-slope and rut thickness measurements.

Fees: \$57,700

Key Staff:

Brian S. Hathaway, PE	Valwin Knight
Tom McDaniel, PE	Alexander Rojas, PE
Angela Alba, PE	Luis Ponce, PE, CGC, BN
Mike Woodward, PE	

Project Cost:

Varies Per Work Order

25. Firms From Section C Involved With This Project
Firm Name / Firm Location / Role
AMEC / Miami, West Palm Beach, and Jacksonville / Construction Materials Quality Assurance

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract

Project No. 3

21. TITLE AND LOCATION (CITY AND STATE)

22. YEAR COMPLETED
(PROFESSIONAL / CONSTRUCTION)

Florida Turnpike Enterprise Construction and Materials Engineering Management Consultant (CMEC) contract

Ongoing / NA

23. PROJECT OWNER'S INFORMATION

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
Florida's Turnpike Enterprise	Brad Beiry, CMEC Financial Manager	954.934.1147

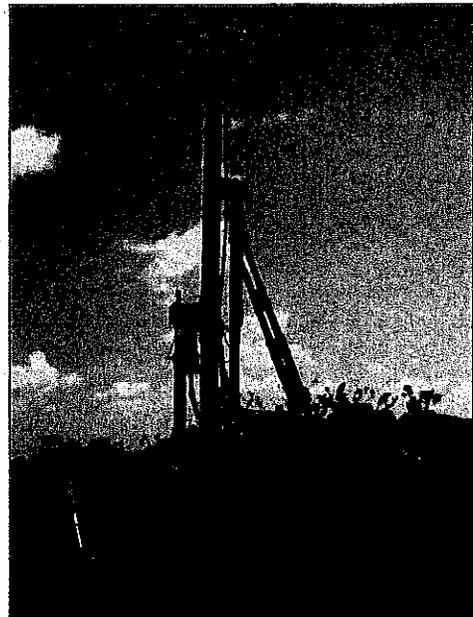
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

AMEC has provided various professional services through various task order assignments for the Florida Turnpike Enterprise (FTE), including geotechnical engineering, construction material testing, asphalt plant verification, and field inspection/instrumentation services consisting of pile driving analyzer (PDA) and seismograph-vibration monitoring during the Florida's Turnpike bridge and roadway widening and corridor improvement projects statewide. Geotechnical services consisted of the performance of PDA testing and the determination and verification of foundation pile capacity during test pile installation programs and production pile driving operations.

In addition, AMEC has provided property condition surveys and provided seismograph vibration monitoring services to record ground vibrations during various construction activities that include installation of driven piling, sheet piling, drilled shaft casing, and roadway construction services to determine the disturbance levels at adjacent residential and commercial structures.

Multiple material testing task orders have been performed by AMEC to assist the FTE in the evaluation of compliance with FDOT's materials and roadway construction specifications. AMEC performs laboratory verification materials testing and provides field quality control and quality assurance during the pavement construction activities.

AMEC has performed pavement condition surveys including maintenance of traffic (MOT) and highway lane closures with coordination from the Florida Highway Patrol to obtain pavement cores and roadway distress information.



Key Staff:

- Brian S. Hathaway, PE
- Tom McDaniel, PE
- Angela Alba, PE
- Zhihong Hu, PE
- Alex Rojas, PE, CWI
- Luis Ponce, PE, CGC, BM
- Andrew Provost
- Thai Nguyen, PE
- Marcia Chacon
- Melissa Lopez
- Christopher Lewis, PE
- Austin Mullins, PE

Project Cost:

\$4.75 million

25. Firms From Section C Involved With This Project

Firm Name / Firm Location / Role

- AMEC / Miami and West Palm Beach / Geotechnical Engineering and Materials Testing

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract Project No. 4

21. TITLE AND LOCATION (CITY AND STATE)		22. YEAR COMPLETED (PROFESSIONAL / CONSTRUCTION)
SFWMD Geotechnical and Materials Testing		Ongoing / NA
23. PROJECT OWNER'S INFORMATION		
a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
South Florida Water Management District	Jose Guardiario, PE, PG, Principal Engineer	561.242.5520 ext. 4042

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

AMEC has been servicing the South Florida Water Management District (SFWMD) with Geotechnical and Construction Materials Testing Services on a Task-Work Order basis since 2002 under our continual service contracts. AMEC has performed numerous Task Order Assignments consisting of various geotechnical, construction inspections, and construction material testing services. In general, the services performed consisted of, but not limited to: subsurface explorations, included limestone rock coring and Standard Penetration Test (SPT) Borings; subsurface and lithology characterization, seepage studies, drainage tests, slope stability analysis, laboratory testing services, construction QC/QA inspections and material testing services during the construction or repair of earthen levees, roadways, culverts and water control structures. In addition, we performed environmental well installation; Pile Driving Analyzer (PDA) dynamic load testing during the installation of prestressed concrete driven piling and seismograph vibration monitoring during sheet piling installation construction. The project sites were performed district-wide from Dade, to Collier, and up to Indian River Counties. List of associated SFWMD Projects:

- Allapattah Flats Management
- S-5a Pump Station Trash Rakes
- Mosquito Creek Culvert Replacement
- Storm Treatment Area STA 3/4 Construction Inspections
- Corkscrew Canal Widening Improvements Project
- Indian River Lagoon-Blue Goose Groves - Artesian Well Abandonment
- C-38 Canal Breach Repair
- S-63A Hoist Replacement Construction Improvements
- S-65 Shotcrete Repair
- PC 15 - C18 Culvert Replacement
- G-106 Culvert Replacement
- STA-5 Outlet Canal Project
- FAKA Union No. 4 Weir Replacement
- CREW 2 Maintenance Building
- STA-1-W Rock Coring
- STA-2 Levee Seepage
- G-113 Culvert Replacement
- Operations and Maintenance Structures
- G-136 Culvert Replacement
- B-86N Culvert Replacement
- L-8 Divide
- G-16 Canal



Key Staff:		Project Cost:
Les Bromwell, PE	Luis Ponce, PE, GC, BN	\$436,000
Jeff Beriswill, PE	Dieutel Francois	
Brian Hathaway, PE	Valwin Knight	
Tom McDaniel, PE	Kumar Alladay, PE	
Angela Alba, PE		

25. Firms From Section C Involved With This Project			
<table border="0"> <tr> <td> <table border="1"> <tr> <td>Firm Name / 25 Firm Location / 34 ROLs</td> </tr> <tr> <td> <ul style="list-style-type: none"> ▪ AMEC / Miami, West Palm Beach, and Lakeland / Geotechnical Engineering and Materials Testing </td> </tr> </table> </td> </tr> </table>	<table border="1"> <tr> <td>Firm Name / 25 Firm Location / 34 ROLs</td> </tr> <tr> <td> <ul style="list-style-type: none"> ▪ AMEC / Miami, West Palm Beach, and Lakeland / Geotechnical Engineering and Materials Testing </td> </tr> </table>	Firm Name / 25 Firm Location / 34 ROLs	<ul style="list-style-type: none"> ▪ AMEC / Miami, West Palm Beach, and Lakeland / Geotechnical Engineering and Materials Testing
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Firm Name / 25 Firm Location / 34 ROLs			
<ul style="list-style-type: none"> ▪ AMEC / Miami, West Palm Beach, and Lakeland / Geotechnical Engineering and Materials Testing 			

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract

Project No. 5

21. TITLE AND LOCATION (CITY AND STATE)

22. YEAR COMPLETED
(PROFESSIONAL / CONSTRUCTION)

Geotechnical and Design Engineering and Inspection Services for Multiple Sites

2010 / NA

23. PROJECT OWNER'S INFORMATION

a. Project Owner

b. Point of Contact Name

c. Point of Contact Telephone Number

OTO Development LLC

Bruce Collins

864.327.4034

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

For several years AMEC has provided engineering and consulting services to OTO Development, LLC for the evaluation and inspection of multiple hotel sites throughout Florida. Projects include the following:

Dania Beach Hotel Site, Dania Beach, Florida

AMEC also performed geotechnical explorations and engineering design services for the site development of a 10-acre site and support of two 6-story hospitality structures. The project site required various ground improvements methods as the site was previous mined and backfilled with solid waste and construction debris. AMEC provided QA/QC inspections during deep dynamic compaction, vibro-replacement stone columns and compaction grouting. During construction AMEC performed construction materials testing, and provided structural inspections as the Threshold Agent for the City of Dania Beach.

AMEC also performed Phase I and II environmental site assessments. AMEC performed a complete Site Assessment including soil, groundwater and methane assessments. Soil borings, multi level monitoring wells, and vapor probes were installed and tested for numerous chemical parameters including volatile organic compounds (including chlorinated solvents), polynuclear aromatics, metals, and ammonia. Several contaminants were identified above the applicable cleanup levels in soil and groundwater. Methane gas was also measured at levels exceeding the acceptable standards throughout the site. AMEC obtained SAR approval from Broward County Environmental Protection Department in an expedited time frame which allowed construction to proceed on schedule. AMEC worked collectively with Broward County to develop a Remedial Action Plan (RAP) that was protective of human health and the environment, yet limited site disturbance and allowed for construction concurrent with the RAP implementation. The remedial action included source removal of solid waste in areas requiring below ground construction, removal of soils exceeding leachability levels, and engineering and institutional controls. Engineering controls were integrated into the hotel designs. AMEC also designed a treatment system to treat ammonia impacted groundwater during dewatering for the installation of underground utilities at the site. AMEC obtained the necessary approvals from Broward County and supervised the installation and operation of the treatment system. Several million gallons of ammonia impacted water were treated and discharged back to the aquifer. AMEC designed a passive methane collection system to collect gases under the foot print of the hotel buildings. The systems were designed to become active if required. Methane gas detectors were installed inside the buildings to monitor methane gases on a regular basis. **Completed: 2010 / Fees: \$397,000**

Tamarac Hampton Inn & Suites, Tamarac, Florida

AMEC performed geotechnical explorations, foundation and site preparation design services and provided QC construction materials testing and threshold inspection services during construction of a five-story hotel with a footprint of approximately 62,500 square feet that included an attached swimming pool. Organic deposits were encountered during foundation construction and identified by AMEC's inspector representative. Test pits and organic removal was performed within the planned building footprint area prior to the construction and support of the shallow foundation system. AMEC provided QC construction materials testing, including soils, concrete and asphalt, field and laboratory testing services, during the construction phase of the hotels. **Completed: 2009/ Fees: \$80,880**

Spring Hill and Homewood Suites Hotels, West Palm Beach, Florida

AMEC provided geotechnical field explorations, Insitu testing with Marchetti dilatometer (DMT) and geotechnical design services for the support of two 6-story hospitality structures in West Palm Beach, FL. During construction, AMEC was responsible as the Resident Engineer for the City of West Palm Beach's Building Department and provided threshold inspections, construction materials testing, and monitoring services for the development of two, five-story hotels (Spring Hill Suites and Homewood Suites) at opposite corners of an intersection near Interstate 95 in the West Palm Beach area. Each hotel covers approximately 96,000 square feet. **Completed: 2010/ Fees \$264,940**

Fairfield Inn, Fort Pierce, Florida

AMEC provided threshold inspection services, construction materials testing and monitoring, geotechnical evaluation and foundation recommendations for the construction of a new five-story, 50,400-square-foot hotel. The geotechnical evaluation and soils analysis revealed loose and compressible subsurface conditions which indicated that shallow foundations system could be subject to excessive settlements from structural loads. AMEC recommended ground modification utilizing vibro-replacement (stone) columns to control settlements and allow for shallow foundations. **Completed 2007/ Fees: \$86,680**

Project Staff:

George Luckenbaugh, PE
George Tom McDaniel, PE
Armando Hernandez, PE, SI
Alexander Rojas, PE, CWI
Valwin Knight
Ashok Aitharaju

Brian S. Hathaway, PE
Angela Alba, PE
Luis Ponce, PE, GC, BN
Mario Carrasquel
Wendy Blondin, PG

Project Cost:

Varies Per Project

25. Firms From Section C Involved With This Project

1. Firm Name / 2. Firm Location / 3. Role

AMEC / Miami and West Palm Beach / Geotechnical Engineering and Materials Testing

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract

Project No. 6

21. TITLE AND LOCATION (CITY AND STATE)

22. YEAR COMPLETED
(PROFESSIONAL / CONSTRUCTION)

Statewide Construction Materials Quality Assurance Inspection Services
Contract, Statewide, Florida

Ongoing / NA

23. PROJECT OWNER'S INFORMATION

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
State Materials Office, Florida Department of Transportation	Steve Duke, Inspection Services Manager	352. 955.6600

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

AMEC has been providing quality assurance inspection services to the Florida Department of Transportation (FDOT) for more than 25 years. We have built a core team of senior inspectors that have the appropriate expertise in bridge member fabrication, machinery inspections, and specialized metallurgical consulting. The team also includes qualified and experienced certified welding inspectors (CWI), non-destructive testing (NDT) inspectors, and coatings inspectors, along with specialized welding and metallurgical engineers. All of AMEC's inspectors for this contract are intimately familiar with American Welding Society (AWS) Structural welding codes for structural steel, bridge welding, and structural aluminum welding codes. We have a strong bench of CWIs in Florida and throughout the continental United States, many of whom have extensive experience with an array of specifications for structural steel and miscellaneous metals fabrication. Our experience over the past 25 years has allowed us to work with almost every fabricator in the United States and major steel fabricators overseas supplying products to FDOT and other Departments of Transportation in the country. Services include the following:

Structural Steel QA/QC Inspections, On-Site and Off-Site Locations

This contract is staffed with inspectors who are AWS Certified Welding Inspectors possessing current certifications, familiar with AWS D1.1, AWS D1.2, and AWS D1.5 Codes and, depending on an assignment, may be required to have Nondestructive Testing Level 2 certifications in magnetic particle testing (MT), penetrant testing (PT), ultrasonic testing (UT), and radiographic testing (RT). We also have a staff of inspectors who are certified National Association of Corrosion Engineers (NACE) Level 1, 2 or 3. Section 3, SSPC Level 1 and 2 and BCI Level 1 and 2. Many of our inspectors are also certified in a variety of NDT methods which include magnetic particle testing (MT), radiographic testing (RT), ultrasonic testing (UT), penetrant testing (PT) and phased array testing (PAUT). NDT certifications vary by individual experience and expertise. Our QA/QC inspection staff and engineers have an understanding of a wide range of specifications and inspection protocols, welding code requirements including AWS D1.1 Structural Welding Code, AWS D1.2 Structural Welding Code Aluminum, and AWS D1.5 Bridge Welding Codes, and ASTM and ASNT codes. Our senior inspectors have assisted field inspectors and engineers with bolt testing and inspection requirements, conducted training classes for bolt testing, and consulted with clients in materials selection, metallurgical evaluations, and failure analysis of metal and non-metallic components and coatings.

Phased-Array Ultrasonic Testing

AMEC has a staff of qualified phased array inspection technicians that have been involved in performing phased array ultrasonic testing (PAUT) for a number of industrial and transportation clients.

Movable Bridges

In addition to providing structural steel fabrication inspection services, we provide our clients quality assurance and quality control expertise in movable bridge machinery. This expertise is necessary due to the large number of movable structure rehabilitation and construction projects in Florida. AMEC has unique capabilities in the engineering and inspection of mechanical and hydraulic systems for movable bridges.

Key Staff:

Adil Khan	Randy Hambell
Ed Borowski	Dennis Crooms
Robert Pekrul	Debbie Franze
Craig Cavins	James Horton, PE

Project Cost:

\$15 million

25. Firms From Section C Involved With This Project

Firm Name / Firm Location / Role

- AMEC / Jacksonville and Orlando / Construction Materials Quality Assurance

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract

Project No. 7

21. TITLE AND LOCATION (CITY AND STATE)

22. YEAR COMPLETED
(PROFESSIONAL / CONSTRUCTION)

Geotechnical Engineering and Construction Inspection and Material Testing Services, Projects for Various Schools in Palm Beach County

2008 / NA

23. PROJECT OWNER'S INFORMATION

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
School District of Palm Beach County	Angelino L. Garcia, Senior Project Administrator	561.882.1916

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

AMEC provided geotechnical explorations and geotechnical engineering services, including laboratory testing for the School District of Palm Beach County (SDPBC). AMEC was a prime consultant to the SDPBC.

In general, AMEC was responsible for obtaining site access and coordination with School Board personnel to perform geotechnical exploration and field services on-site during normal school hours. Site meetings were made to coordinate safety and right of entry issues to carry out field services. Geotechnical engineering consisting of the evaluation of subsurface characteristics including performing foundation design analysis and providing anticipated foundation settlements and allowable bearing pressures for the proposed shallow foundations including site preparation recommendations for foundation, building pad and pavement access areas.

In addition, deep foundation alternatives were provided for the planned construction of a school addition over highly organic material (peat). Deep foundation dynamic load testing and foundation inspection services were provided to certify the structural axial capacity and design. The results of our findings were documented in a final report and included the results of our soil test boring records and field permeability test results. Field services and final geotechnical reporting were performed within the negotiated schedule and under budget. Staffing arrangement included a project manager, principal geotechnical engineer, senior geotechnical engineer, project geotechnical engineer, senior geotechnical driller, laboratory technician, drafter, and clerical personnel.

AMEC also provided materials testing, inspection, and independent laboratory testing for the School District of Palm Beach County (SDPBC). In general, AMEC was responsible for observation and inspection of field construction services and laboratory materials testing to verify that the planned new schools additions are constructed in accordance with construction drawings and construction specifications. AMEC was a prime consultant to the SDPBC and independent of the actual construction general contractor services.

The services performed by AMEC included earthwork, site clearing, site soil stabilization and building pad compaction; observation of soil compaction testing for underground utilities; sampling and testing of concrete and mortar during building construction; laboratory construction material strength testing; for soils, concrete, and asphalt; monitoring and testing of in-place asphaltic concrete and pavement access area preparation including the stabilization of subgrade and limerock base materials. In addition, some project required structural inspections of reinforcement bars, roofing inspections, structural steel and welding inspections, and fire proofing inspections.

Schools where AMEC performed services for the SDPBC include:

- Palm Beach Gardens High School
- Carver Middle School
- CO Taylor Elementary School
- HL Johnson Elementary School
- Roosevelt Middle School
- Seminole Trails Elementary School
- Plumosa Elementary School
- West Central Communities / Royal Palm
- South Compound Transportation Facility
- Glades Central High School



Project Staff:

Brian S. Hathaway, PE
 Marcia Chacon
 Dieutel Francois
 Alexander Rojas, PE, CWI

Coleman Bender
 James Capasso
 Valwin Knight
 Luis Ponce, PE, GC, BN

Project Cost:

Varies Per Project

25. Firms From Section C Involved With This Project

Firm Name / Firm Location / Role
AMEC / West Palm Beach / Geotechnical Engineering and Materials Testing

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract		Project No. 8
21. TITLE AND LOCATION (CITY AND STATE)	22. YEAR COMPLETED (PROFESSIONAL / CONSTRUCTION)	

Miami-Dade County Public Schools CMT and Geotechnical Services	Ongoing / NA
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23. PROJECT OWNER'S INFORMATION		
a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
Miami-Dade County Public Schools	Dennis E. Caserta, Senior Project Manager	305.995.4860

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

For more than 20 years, AMEC has served Miami-Dade County Public Schools (M-DCPS) on an on-going basis to provide construction material testing services to assist in all phases of school construction.

Our Construction Materials Testing group and associated laboratory performs the necessary field inspections and testing of materials including backfill (for grain size and field density), reinforcing steel, welding, glazing frame, bolted connection, nelson stud, and masonry wall inspections. AMEC additionally provides coring to determine strength of concrete slab, and roof wind uplift testing following damage from hurricanes. AMEC has become very familiar with the MDCPS processes and works closely with the complete project team, including the architect, civil engineer, and construction manager.

AMEC's CMT projects for M-DCPS include:

State School School JJJ, Construction Materials Testing and Inspection Services
 AMEC monitored and tracked the removal of unsuitable soils and suitable backfill replacement of the entire 56-acre site that would later include a brand new prototype seven-building high school, middle school, and elementary school. AMEC performed laboratory testing of backfill and compaction of soil of each backfill layer, encompassing more than 1,000 soil density tests. Testing was also performed for termite treatment under building slabs. AMEC is currently working on construction materials testing and inspection of the building structures.

LC Evans Elementary School, Geotechnical Engineering, and Construction Materials Testing Services
 Geotechnical exploration and analysis was done as part of the pre-construction phase. AMEC provided geotechnical foundation and site preparation recommendations. The design team also worked with AMEC for guidance in site drainage considerations, pavement subgrade preparation, expected settlement, allowable soil bearing pressure, and its soil density testing program. AMEC served as the construction materials testing firm during the erection of the structures. AMEC contributed laboratory and field testing of concrete, soils, and roof testing.

School CC-1, Construction Materials Testing and Inspection Services
 AMEC performed geotechnical exploration and analysis for the foundation design of a new 150-foot antenna tower. Construction materials testing was performed, which included observation of unsuitable soil removal, field and laboratory testing of imported backfill, field and laboratory testing of concrete, and roof fastener withdrawal resistance (pull testing) for roof lightweight concrete. Structural inspections were performed including field inspection of welding and bolted connections.

Ojus Elementary Geotechnical, Construction Materials Testing, and Inspection Services
 AMEC performed geotechnical engineering, construction materials testing, and inspection services for this new three-story, 44,000-square-foot addition. Geotechnical boring, analysis, and foundation recommendations were made to the design team. Field and laboratory concrete and soils testing, as well as roof fastener withdrawal resistance (pull testing) was performed. AMEC also performed inspection of welding and bolted connections on the structure.

Project Staff:
 Angela Alba, PE
 Steven Lubinski, PE
 Winston Orellana
 Raul Fernandez

Zhihong Hu, PhD, PE
 Edward Tufo
 Marlan Diaz
 Eddie Abonce, PE

Project Cost:
 Varies Per Project

25. Firms From Section C Involved With This Project
Firm Name / Firm Location / Role
<ul style="list-style-type: none"> AMEC / Miami Lakes / Geotechnical Engineering and Materials Testing

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract Project No. 9

21. TITLE AND LOCATION (CITY AND STATE)	22. YEAR COMPLETED (PROFESSIONAL / CONSTRUCTION)
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Hurricane Wilma Post Hurricane Roof Assessments	2006 / NA
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23. PROJECT OWNER'S INFORMATION

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
School Board of Broward County	Meghan Kaufold, Project Manager	954.913.3447

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

AMEC was contracted by the School Board of Broward County after the wake of hurricane Wilma to survey approximately 80+ school buildings to review possible storm damage and verify temporary repairs performed by roofing contractors. AMEC provided preliminary cost estimates and recommendations for permanent roofing restorations, as well as roof condition evaluation (storm damage), field uplift resistance testing, and bonded pull test method (TAS 124). The project was fast-tracked to meet Federal Emergency Management Agency (FEMA) deadlines.

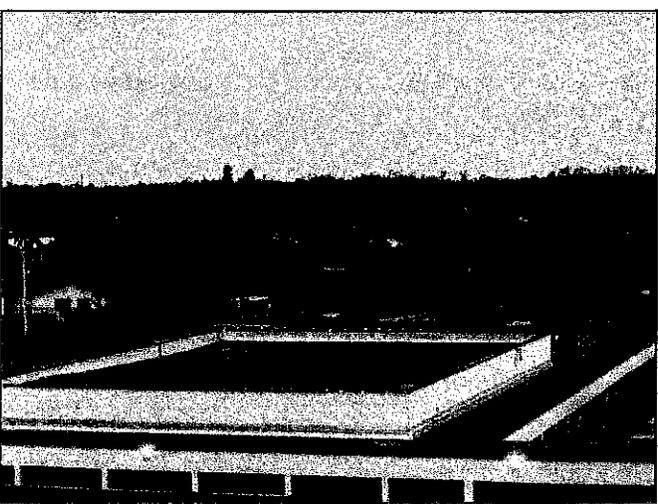


Hurricane Wilma was the most intense hurricane that has ever been recorded in the Atlantic basin. It devastated parts of the Yucatán Peninsula and southern Florida during October in the 2005 Atlantic hurricane season. Wilma set numerous records for both strength and seasonal activity. Wilma was only the third Category 5 ever to develop in the month of October and with the formation of Hurricane Wilma, the 2005 season became the most active on record, exceeding the 21 storms of the 1933 season. Wilma was the twenty-second storm (including the subtropical storm discovered in reanalysis), thirteenth hurricane, sixth major hurricane, and fourth Category 5 hurricane of the record-breaking season.

Project Staff:

Luis Puche

Project Cost:
\$150,000



25. Firms From Section C Involved With This Project

1. Firm Name	2. Firm Location	3. Role
AMEC	Miami Lakes	Roof Assessments

F. Example Projects Which Best Illustrate the Proposed Team's Qualifications for this Contract

Project No. 10

21. TITLE AND LOCATION (CITY AND STATE)

22. YEAR COMPLETED
(PROFESSIONAL / CONSTRUCTION)

Taxiway "C" West Reconstruction

Ongoing / NA

23. PROJECT OWNER'S INFORMATION

a. Project Owner

b. Point of Contact Name

c. Point of Contact Telephone Number

HDR

John Neff, PE, Senior Project Manager

954.535.1876

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

AMEC is currently providing quality control services, including field, soils, and asphalt laboratory testing for the Taxiway "C" West reconstruction efforts at the Fort Lauderdale-Hollywood International Airport in Broward County, Florida.

Taxiway "C" West was originally constructed in 2007 and opened to aircraft traffic in November of the same year. Soon thereafter, the taxiway pavement exhibited signs of distress and ruts.

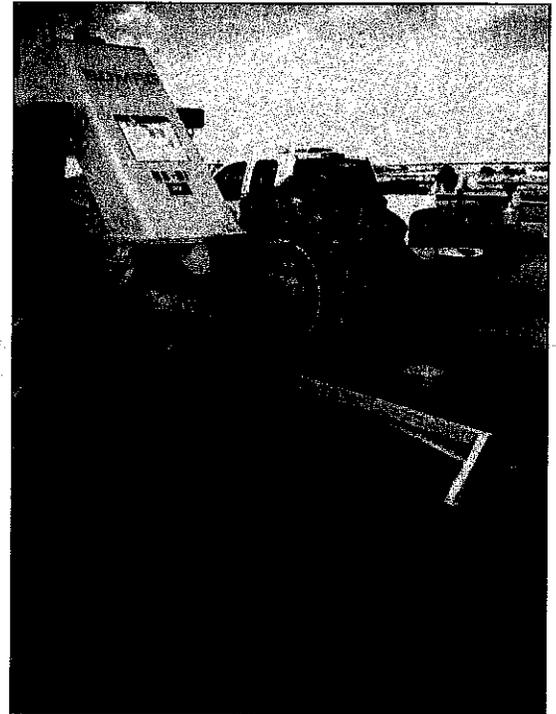
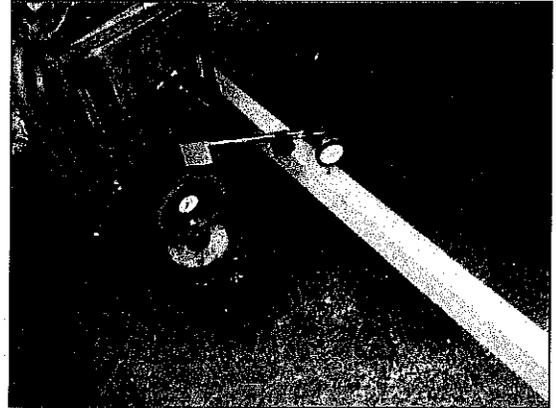
The reconstruction of Taxiway "C" West is critical for the airport because its completion is tied to the decommissioning of Runway 13-31, and the airport then becoming a single runway functioning airport. This taxiway must be completed on time to allow the new South Runway contractor to proceed without delay and to provide a dual taxiway system for Runway 9L-27R.

Project Staff:

Edward Tufo
Luis A. Ponce, P.E.
Otto Elmer
Charles Velasco
Marcia Chacon

Project Cost:

\$275,000



25. Firms From Section C Involved With This Project

1. Firm Name / 2. Firm Location / 3. Role

- AMEC / Miami Lakes and West Palm Beach / Quality Control

G. Key Personnel Participation In Example Projects

26. Names of Key Personnel (From Section E, Block 12)	27. Role in this Contract (From Section E, Block 13)	28. Example Projects Listed in Section F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Brian S. Hathaway, PE	Project Manager/Principal Geotechnical	x	x	x	x	x		x			
James Horton, PE	Chief Engineer/Technical QA/QC	x					x				
Les Bromwell,	Chief Engineer/Technical QA/QC				x						
Angela Alba, PE	Chief Engineer/Technical QA/QC	x	x	x	x	x			x		
Thai Nguyen, PE	Senior Geotechnical Engineer			x							
Christopher Burroughs, PG	Senior Geologist	x									
Zhihong Hu, PE	Project Geotechnical Engineer	x		x					x		
James Brown, EI	Staff Geotechnical Engineer										
Armando Hernandez, PE, SI	Threshold/Special Inspector					x					
Luis Ponce, PE, GC, BN	Senior Engineer/Licensed Building		x	x	x	x		x			x
Alexander Rojas, PE, CWI	Senior Engineer, Certified Welding	x	x	x		x		x			
Luis Puche	Architect / Roofing Consultant									x	
Andy Provost	NDT Steel Inspector/CWI/Coating			x							
Winston Orellana	CTQP Senor Laboratory Technician								x		
Marcia Chacon	CTQP Senor Laboratory Technician	x		x	x			x			x
Dieutel Francois	CTQP Lab/Concrete/ Earthwork Tech							x			
David Hinostroza	CTQP Paving/ Earthwork/Augercast										
Valwin Knight	CTQP Concrete/Earthwork Tech	x	x		x	x		x			
Carlos Garcia	CTQP Plant/Paving Tech	x									
Marlon Robaina	CTQP Pile/Drilled Shaft Inspector	x	x	x							
Hernando Garcia	CTQP Pile/Drilled Shaft Inspector	x							x		
Melissa Lopez	Clerical/LIMS	x		x							
Christopher Lewis, PE	PDA/EDC, PIT, CSL, TIP, Vibration			x							
Gray Mullins, PE	PDA/EDC, PIT, CSL, TIP, Vibration			x							
Kumar Alladay, PE	Geotechnical Engineer				x			x			

No.	Title Of Example Project (From Section F)	No.	Title Of Example Project (From Section F)
1	I-595 Corridor Improvements Project Geotechnical Services	6	Statewide Construction Materials Quality Assurance Inspection Services Contract, Statewide, Florida
2	FDOT District 4 - Geotechnical and Materials Testing Contract	7	Geotechnical Engineering and Construction Inspection and Materials Testing Services, Projects for Various Schools
3	Florida Turnpike Enterprise Construction and Materials Engineering Management Consultant	8	Miami-Dade County Public Schools CMT and Geotechnical Services
4	SFWMD Geotechnical and Materials Testing	9	Hurricane Wilma Hurricane Roof Assessments
5	Multiple Facility Inspection and Evaluation Services	10	Taxiway "C" West Reconstruction

H. ADDITIONAL INFORMATION

Company Overview

AMEC is a focused supplier of high-value environmental, engineering, and project management services to the world's natural resources, nuclear, clean energy, water, and environmental sectors. With annual revenues of more than \$6.6 billion, AMEC designs, delivers, and maintains strategic and complex assets for its customers. Since 2000, Engineering News Record magazine has ranked AMEC among the top International Design Firms. AMEC has also ranked at the top of its sector in the Dow Jones Sustainability Index since 2005. The company employs some 29,000 people in around 40 countries worldwide in three main divisions – Natural Resources, Power & Process, and Environment & Infrastructure.

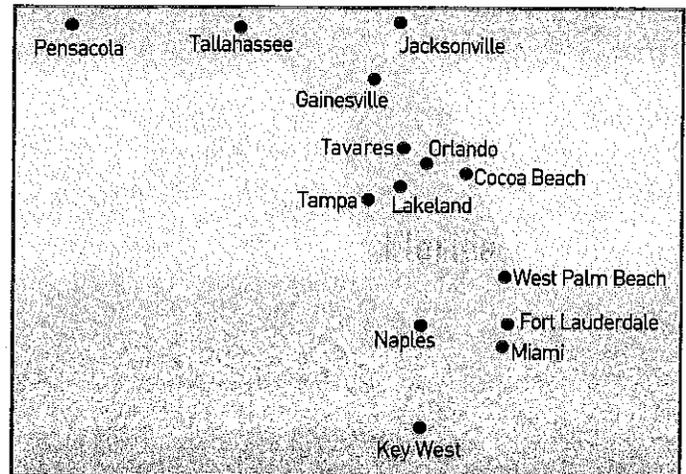
Headquartered in Atlanta, Georgia, AMEC Environment & Infrastructure, Inc. is an environmental consulting, engineering and design, and construction company operating with more than 4,600 professionals in 115 locations across the United States. Serving the clean energy, federal, industrial/commercial, mining, oil and gas, transportation, and water sectors, we provide services to both public and private clients worldwide. This entity is part of a larger division of AMEC plc, a publically traded company based in London. Established in 1946, AMEC was incorporated on June 1, 1994, in the state of Nevada. Our firm is licensed and certified to do business in Florida.

AMEC's Environment & Infrastructure Florida operation employs nearly 500 people in offices located in every region of the state, including 100 in the South Florida region. AMEC's depth of global resources allows us to provide our clients with innovative solutions engineered to fit perfectly with your business challenges. Our overall ratio of firm field to office employees is 75 percent to 25 percent.

We have a strong reputation for balancing global excellence with local delivery. Our services include:

- Geotechnical Engineering
- CEI/CMT
- Architecture Services
- Building Sciences
- Civil Engineering
- Ecological/Permitting Services
- Environmental Services
- Surveying & Mapping
- Water Resources

These core disciplinary groups work as an integrated and seamless team to satisfy our client's objectives on a wide variety of projects. Following is a brief summary of AMEC's



qualifications within the core services for which the City of Fort Lauderdale is currently seeking support. Expertise provided by the AMEC project team encompasses all of the services that may be required in this contract.

We understand the challenges facing government agencies today with an ever increasing demand for services while operating under budget constraints and shortfalls. We have firsthand experience with varying project needs and our wealth of knowledge and expertise delivered by our skilled professionals will provide you with the assurance that tasks will be completed competently, professionally, on time, and within budget. In our daily activities our professionals strive to become transparent extensions of your staff so that together we can tackle any challenge effectively, efficiently, and in a way that satisfies our ultimate clients - the citizens you serve. Additionally, as we are a full-service engineering and architecture firm we are able to supplement our team with additional in-house resources if needed. Our expertise will allow us to provide the services listed in the City of Fort Lauderdale's scope.

Mr. Brian Hathaway, PE, will be the point of contact for the City of Fort Lauderdale opportunity. He is located in the West Palm Beach office at 2580 Metrocentre Boulevard Suite No. 6, West Palm Beach, 33407

Mr. Hathaway's contact information:

Office: 561.242.7713 x 13, Fax: 561.242.5591

Cell: 561.248.9136

brian.hathaway@amec.com

amec.com

Overview of Services

AMEC understands that the key to our continued success and growth rests firmly in maintaining our outstanding reputation and building long-term, mutually beneficial relationships with our clients. Such relationships provide us with a solid foundation from which to develop additional

expertise, innovations, and skill sets and to provide increased value to our clients and staff. This overview is intended to provide our clients with an abbreviated overview of AMEC's experience and capabilities in providing consulting services to meet their specialized needs.

AMEC offers a broad range of construction engineering and inspection services to assure the quality of our clients' construction projects. Our construction professionals have up-to-date accreditation and certification, and we maintain an in-house QA/QC laboratory equipment calibration program.

AMEC has provided construction management and material testing services to county, state and federal governments in the construction of roads, bridges and support structures as well as buildings, stadiums, exhibit halls and municipal facilities. Services include concrete testing, steel reinforcement inspection and testing, steel precast (architectural), precast inspection (structural), foundation inspection, soils testing, and testing/ inspection of masonry, fireproofing, waterproofing, roofing, and bituminous materials.

Materials Testing and Construction Services

Construction materials engineering, testing, and monitoring services are provided by AMEC within the discipline of civil engineering for new construction. At AMEC, construction materials engineering is accomplished through the application of sound theoretical concepts and practical knowledge of the behavior of construction materials under various conditions.

AMEC provides services to county, state, and federal governments and private sector clients for construction projects including dams, tunnels, bridges, pavements, water and sewer facilities, airports, parking structures, marine structures, and industrial, commercial, institutional, and residential buildings. Our CMT services include:

- Construction Specification
- QA/QC Programs
- Comprehensive Testing & Inspection Plans
- On-Site (Mobile) Laboratories
- Soil & Concrete Testing
- Asphalt Concrete Testing
- Nondestructive Testing
- In-Situ Materials Evaluation
- Post-Tensioned/Pre-Stressed Concrete Testing
- Masonry Testing
- Structural Steel Testing/Inspection
- Fire Proofing Evaluation
- Aggregates Testing
- Specialty Laboratory Testing



Construction Management

AMEC has performed on-site construction management and construction inspection services on federal, municipal, and commercial projects worldwide. Many of these projects have involved the establishment of long-term field offices through which we have provided day-to-day oversight and support to the project throughout construction. Our construction management services include:

- Review of Design Documents & Plans
- Updates & Maintenance of Design Documents
- On-Site Technical Surveillance & Assessment of Field Operations
- Integrated Management Oversight
- Routine, Pre-Final & Final Inspections
- Review of Construction Submittals
- Responses to Jobsite Concerns
- Administration of Construction Bidding
- Construction Inspection Support

AMEC has a nationwide network of experienced construction services staff to perform supervision, inspection, and oversight of environmental and traditional construction projects including projects related to fuels, force protection, information technology, and unexploded ordnance. Our staff would coordinate work site activities to ensure the protection of human health and the environment; the prevention of damage to property, utilities, materials, supplies, and equipment; and the avoidance of work interruptions. This coordination would be through various office departments of applicable existing base or area operations including providing physical security to the work area with security equipment

and personnel. We have extensive experience in preparing and executing construction quality plans including reviewing and monitoring contractor quality control plans and the preparation and execution of construction quality assurance plans.

Construction Engineering and Inspection

AMEC is a full-service engineering, environmental, and construction management firm with expertise in all aspects of bridge and roadway engineering and inspection. We offer a broad range of CEI services to assure the quality of our clients' construction projects. AMEC's CEI services include:

- Resident & Office Engineering
- Document Control
- Scheduling & Cost Estimating
- Safety Observation
- Materials Testing
- QA/QC
- Environmental Testing & Inspection Services

What separates AMEC from other firms is our proactive philosophy toward CEI. We have a comprehensive program that brings creative solutions to complex challenges as our professionals proactively engage in activities that ensure project success. This is evidenced by numerous client relationships that are decades old. The strength and longevity of these relationships are testament to our commitment to understanding client needs, delivering creative value-added solutions, and measuring our own performance relative to the success of our clients.

AMEC has provided CEI services on a wide variety of highway, bridge, and airport projects including geotechnical explorations and engineering analyses, SUE, construction materials testing and inspection, construction supervision, pavement design and evaluation, and data collection. Services include concrete testing, steel reinforcement inspection and testing, steel precast (architectural), precast inspection (structural), foundation inspection, soils testing, and testing/inspection of masonry, fireproofing, waterproofing, roofing, and bituminous materials.

AMEC has been a leader in nondestructive testing for large bridge retrofits, rehabilitation, and new construction for more than 30 years. With a depth of in-house Certified Welding Inspectors (CWIs) and senior CWIs, coating specialists, and inspectors available, the AMEC team brings the knowledge of project administration and technical expertise our clients need in order to deliver a project which meets specifications, stays on schedule, and prevents safety and environmental violations. Our inspection personnel are supported by an experienced engineering team comprised of metallurgical, welding, civil, and mechanical engineers; along with many others.



AMEC's registered professional engineers maintain direct control over all testing activities to verify that appropriate data gathering and testing techniques are employed meeting a variety of national standards. Adequate data is obtained without collecting superfluous information.

AMEC engineers supervise and control testing services, provide engineering judgments and recommendations based on reliable data, and monitor the implementation of recommendations throughout the construction process. Construction testing engineers carry out simple tests as well as sophisticated and complex quality control programs. Construction and materials engineers are supported by fully trained technicians, with experience and national certification, working directly under their supervision. These teams frequently set up and operate laboratory testing facilities at the site for the duration of construction.

Geotechnical Engineering

During the last 30 years, AMEC has provided geotechnical engineering services for various public agencies, organizations, and federal, state and regional governments, as well as industrial and private clients. AMEC's geotechnical group is supported by a host of well qualified geotechnical engineers, geologists, and technicians. Since AMEC is comprised of a team of multidisciplinary engineers and scientists, we have the ability to develop creative solutions to complex geotechnical situations in addition to completing more traditional geotechnical services.

AMEC's geotechnical engineering group is supported by a host of well qualified engineers, geologists, modelers, and technicians. Our geotechnical background encompasses all aspects and phases of a project from feasibility through project implementation. Our integrated team of professionals provides exploration, analysis, and design related to soil, rock, and groundwater as an essential part of most projects. Understanding the engineering behavior

of soil and rock is what our geotechnical engineers do best; issues of strength, stability, and durability are assessed, designed, and managed.

AMEC can provide the full range of geotechnical services from conceptive planning through design and construction. We have developed world-class credentials in the specialized disciplines of design and evaluation of earthen dams and levees for reservoirs and water supply, mine tailings and dredged sediment disposal, industrial process water management, and flood protection and surface water management. Our staff members include experienced engineers, geologists, hydrogeologists, scientists, and technicians with unprecedented expertise in the areas of dam design, construction, inspection, certification, and safety. Our expertise also includes dam siting and feasibility studies, and geological hazards. We focus on using innovative technologies to provide practical, cost-effective investigation, design, and oversight in the following areas:

- Subsurface Investigation & Geophysical Surveys
- Deep & Shallow Structural Foundations
- Earth Retaining Structures & Ground Improvement
- Levee, Reservoir & Water Control Structure Design
- Earthen Dam Design & Inspection
- Dam Break Analysis & Emergency Action Plans
- Slope Stability & Seepage Modeling
- Erosion Protection & Slope Repair
- Mine Tailings & Industrial Waste Impoundments
- Mine Tailings Disposal Planning & Management
- Dredged Sediment Dewatering & Disposal
- Geosynthetic & Hydraulic Containment Systems
- Landfill Expansions & Closures
- Sinkhole & Subsidence Remediation
- Roadway Pavement Design & Subgrade Evaluation
- Geotechnical Instrumentation & Monitoring
- Soil & Materials Testing
- Construction QA/QC

Subsurface Investigations

For both development and restoration projects, all geotechnical engineering initiatives invariably begin with a site investigation. This investigation of soil and bedrock in an area of interest is completed to determine their engineering properties including how they will interact with, on, or in a proposed construction area. Investigations inform the assessment of risk to property infrastructure, humans, and the environment. Over the last 50 years, we have provided subsurface investigations for various industries, municipalities, federal, state, and regional government, and developers. AMEC has extensive in-house geotechnical expertise and resources.

By investigating subsurface conditions, our professionals are able to determine the physical, mechanical, and



chemical properties of materials that make up the ground. Our staff employs a range of investigation techniques to evaluate conditions that pose geotechnical risks for an existing structure, planned development, or restoration project. As part of our appraisal we look at soil and rock properties, the distribution of faults, and the groundwater regime below the area of interest. We do this to understand how they will interact with proposed construction or instability issues. Reliable desk study appraisals and site investigations allow thorough assessment of the risks posed by site conditions.

The subsurface evaluation for a typical project will involve standard penetration testing (SPT) wherein samples are collected using split spoon and Shelby tube methods. Rig-mounted and shallow hand auger borings are also used in establishing and documenting general soil characteristics of the site. Borings are logged on-site by a qualified staff geologist or geotechnical engineer. AMEC's integrated services also include the installation of piezometers and monitoring wells to track groundwater levels and water quality.

Our subsurface investigations can also involve cone penetrometer testing (CPT), dilatometer testing (DMT), and geophysical testing such as GPR and electrical resistivity. If required, select soil samples from the borings will be sent to our USACE validated laboratory to perform engineering classification tests. We also have the capability to provide more complex geotechnical testing should the need arise including gradation, hydrometer, triaxial shear, direct shear, unconfined compression, one dimensional consolidation, restricted flow consolidation, permeability testing, and others.

A comprehensive subsurface exploration program is essential to sufficiently characterize the ground that will support any constructed facility. The quality of the exploration program ultimately dictates the geotechnical design as well as the level of the owner's risk associated

with additional costs due to unanticipated ground conditions encountered during construction. Therefore, proper planning and execution of the exploration program is crucial.

Geotechnical Soils Laboratories

AMEC currently has seven geotechnical soils laboratories within Florida. The laboratories are managed by a team of registered professional engineers and certified lab technicians. AMEC's Florida laboratories are validated to perform work for the USACE, or are accredited through the Construction Material Engineering Council (CMEC) and FDOT. AMEC's laboratories are equipped with state-of-the-art, calibrated test equipment, which include high-tech data tracking systems. They are also used to maintain quality control and compliance of construction materials and materials preparation. The facilities offer precision in field and laboratory testing operations with timely turn-around and delivery time. Our technicians perform a myriad of lab and field tests to measure the engineering properties of soils and rock including:

- Flexible & Fixed Wall Permeability
- Swell & Shrinkage
- Unconfined Compression
- Triaxial Shear Testing; Consolidated Undrained; Unconsolidated Undrained; Consolidated Drained
- Direct & Direct Simple Shear
- Constant Rate of Strain Consolidation
- One Dimensional (Oedometer) Consolidation
- Laboratory Vane & Penetrometer
- Classification & Index Parameters
- Coarse & Fine Fraction Specific Gravity & Absorption
- Earthworks, Aggregates & Concrete
- Moisture-Density (Proctor) Compaction
- Limerock Bearing Ratio (LBR)
- Florida Bearing Value (FBV)
- Compressive & Tensile Strength (Concrete & Grout/ Soil-Cement Mix)
- Aggregate Durability, Abrasion & Organic Impurities
- Field Testing/Sampling
- Soil Sampling & Loggings (Hand Auger & Piston Tubes)
- Drill Rig Monitoring
- Field Density (Sand Cone & Troxler Nuclear Gauge)
- Concrete, Grout & Shotcrete Sampling
- Concrete Slump, Air & Temperature
- Asphalt Coring, Sampling & Logging
- Vane Shear Testing
- Double Ring Infiltration
- Well Slug Testing

The laboratories are also used to maintain quality control and compliance of construction materials and materials preparation. We provide on-site testing and quality control inspections on many of our projects. Our inspectors



are trained and certified through the FDOT's CTQP and the American Concrete Institute (ACI) to provide various construction inspection services. As part of our CMT services, we have experience in setting up and maintaining field laboratories at construction sites. We are currently operating a USACE-validated laboratory at the C-44 Reservoir/Stormwater Treatment Area Project located in Martin County, Florida.

Deep and Shallow Structural Foundations

Our geotechnical engineering team has extensive experience designing structural foundations, which allows us to design practical solutions for new development as well as remediation projects. Whether we are dealing with buildings, bridges, roadways, retaining walls, or other infrastructure, our professionals are well suited to gather all information necessary to make appropriate foundation design decisions.

Our geotechnical staff has experience with varied subsurface conditions which allow us to efficiently design economical, dependable foundation systems. We have provided analysis, design recommendations, and construction quality control for the following:

- Shallow Foundations
- Slab-on-Grade
- Strip Footings
- Column Footings
- Mats
- Deep Foundations
- Driven Piles
- Auger-Cast Piles
- Mini-Piles
- Caissons

In addition, we have extensive experience in the remediation of structural foundations such as compaction grouting, chemical grouting, and underpinning.

Earth Retaining Structures

AMEC geotechnical engineers also have experience in both the design of new earth retaining structures and the remediation of existing ones. We are experienced with the design of temporary and permanent wall systems such as sheetpiles, soldier piles, tie back walls, soil nail walls, and concrete retaining walls. The design of the most effective wall system is highly dependent on factors including the wall height, aesthetic requirements, foundation soil conditions, water table location, soil corrosivity, and backfill materials. We are accustomed to tailoring our site investigation to provide a thorough understanding of the site conditions important in determining the most effective earth retaining structure to meet the needs of our clients.

Roadway Improvements

AMEC's services to support road and highway projects include geotechnical explorations and engineering analyses; Subsurface Utility Engineering (SUE); environmental assessments and investigations; construction materials testing and inspection; construction supervision; pavement design and evaluation; data collection and historic rehabilitation.

Bridges, Culverts, and Other Structures

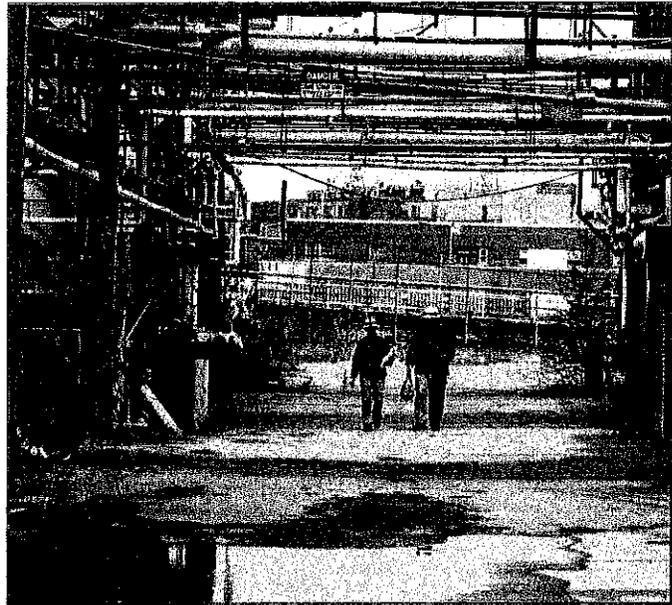
For over 28 years, AMEC has been a leader in nondestructive testing for large bridge retrofits, rehabilitation and new construction. We have provided nondestructive testing on over 600 bridges. Our construction inspection, nondestructive testing and welding inspection staff, including welding engineers, totals over 250 employees.

Retaining Structures and Geotechnical Design

AMEC geotechnical engineers and earth scientists are established specialists in soils engineering, geophysics, hydrology, seismology, and rock mechanics. Through our state-of-the-art exploratory techniques, we predict the behavior of soil, rock, and water as they are affected by natural phenomena and construction activities.

Aviation Facilities

AMEC has extensive experience at airports and air force bases throughout the U.S. and around the world. We have provided civil and geotechnical engineering, construction management, construction QA/QC, and materials testing for commercial airports. For the conversion of an Air Force base to an international airport, we performed RCRA assessment, remediation and closure services. At major metropolitan airports, we have provided airport tenants and airport management with environmental assessment, permitting and compliance; soil and groundwater remediation; pavement design and rehabilitation; and geotechnical services.



AMEC's Web-Based Management Systems

AMEC has established a Web-based project management, resource management, training and information management system that integrates project planning, scheduling, and control; financial accounting functions; human resource [i.e. resumes and personnel information]; standard company policies and procedures; training information and modules; and AMEC activity/project information. The system is available to all AMEC staff from any internet-compatible location. Examples include:

- An information website for the entire industry (see www.amec.com)
- A financial management system (BST®) that is accessible by internet to all AMEC project managers and senior personnel
- A comprehensive intranet system providing easy-to-use access to human resources, project management, standard company policies and procedures, project highlights and news information, and many other company resources
- Training for AMEC personnel including project management training, relationship management, personnel management, financial management, and many similar training opportunities for the technical and administrative staff

Cost Estimating/Cost Control

The cost estimating and control system that AMEC proposes for this program is applied on other AMEC commercial, industrial, state, and federal programs. Our automated system will provide the City with authorized budget and cost performance reported according to both the WBS and the organization within each cost account.

It is capable of recording and tracking costs by separate project funding sources in addition to work schedule items. It is also capable of tracking discrete work efforts within a work allocation document (WAD). Separate cost and schedule information can be produced for each task under a WAD. Cost estimating is started at the lowest intersection on the task responsibility matrix and rolled up to the highest WBS level to reflect all of the tasks associated with task order completion.

Schedule Control

Compliance with established project schedules is a result of effective project planning and execution. AMEC uses project management software (Microsoft Projects® and Primavera®) and periodic project reviews to monitor schedule status. Completion ahead of schedule is not only a measure of project management skills, but also of technical innovation and/or partnering with the regulators. An effective project schedule organizes the work functions, activities and tasks, generally by the established WBS, into defined time frames. Specific project milestones and delivery dates are defined, as is the interaction among and between work tasks. The schedule represents the plan to accomplish the work and the baseline to be monitored against. The schedule will be continuously monitored to ensure the work is being performed within the established time frames.

Cost Accounting System

AMEC will use the BST® cost accounting system to plan and budget for projects and to provide routine project and cost tracking and control. The BST® system provides a wide range of capabilities for producing online, real-time reports used to track and manage both individual projects and multiyear, multi-project programs, and to provide the level of project cost detail necessary to support client requested cost recovery actions. AMEC's BST® system is Web-based and therefore is available to all AMEC staff from any internet compatible location. The BST® system is updated on a daily basis, with inputs being uploaded at 7:00pm each evening. The BST® system provides a cost effective MIS for managing the program as well as individual ACC task order assignments. The BST® system has been successfully used by AMEC for the past 10 years to manage our AFCEE, NGB, Fort Dix, CSX and other major contracts.

Cost-Saving Measures

Through technical innovation, negotiating with regulators,

and excellent project management skills, the AMEC Team has been able to implement numerous cost-saving measures for clients.

Safety

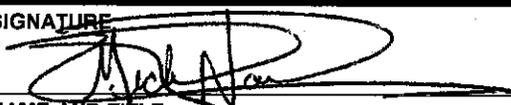
As a company, AMEC has a Total Recordable Incident Rate (TRIR) of 0.79. The TRIR represents the number of people injured on the job, per 100 employees. Our current TRIR is well below our goal of 0.95 and is also 40% lower than the industry rate for companies performing work similar to AMEC. AMEC's safety accomplishments are represented by the efforts of many, and are primarily attributable to AMEC employees who conduct thorough job hazard analyses and follow safe work practices.

Sustainability

AMEC's efforts to reduce the environmental impact of our services start with our people and practices and extend to our clients. We look to partner with our clients, shaping delivery of our services around their goals and objectives while enabling our continued sustainability. We encourage our project managers to be aware of all client sustainability programs and determine how we can help them meet the requirements of their programs. We seek to identify and ultimately minimize the anticipated environmental impacts and risks of our services up front. To this end AMEC has identified a group of Technical Managers internally whose roles and responsibilities include identifying potential technological innovations that enhance our service offerings and bring value to our clients.

Introspectively, AMEC is currently in the process of cataloging and prioritizing our environmental impacts, including delivery of our services. We are searching the supply chain both up- and downstream to determine the most effective ways to meet our sustainability goals and to pass on this knowledge to our clients.

The nature of AMEC's consultancy provides a myriad of opportunities to consider the impact of our projects upon the six essential focal points of sustainability practice – air, land, water, energy, ecosystems, and materials. As a matter of practice, AMEC considers the impact that alternative project solutions will have upon each of these focal points and looks for the solution that provides the greatest value to our client, while promoting sustainability of these limited resources.

I. AUTHORIZED REPRESENTATIVE		<i>The foregoing is a statement of facts.</i>
31. SIGNATURE		32. DATE 05/29/2013
33. NAME AND TITLE Michael Nardone, PG, Florida Regional Manager		

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

Part II - General Qualifications

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME AMEC Environment & Infrastructure, Inc.			3. YEAR ESTABLISHED 1994	4. DUNS NUMBER 128812543
2b. STREET 2580 MetroCentre Boulevard, Suite 6			5. OWNERSHIP	
2c. CITY West Palm Beach			2d. STATE FL	2e. ZIP CODE 33407
6a. POINT OF CONTACT NAME AND TITLE Bruce Schmitt			a. TYPE Corporation	
6b. TELEPHONE NUMBER (561) 242-7713			b. SMALL BUSINESS STATUS not applicable	
6c. E-MAIL ADDRESS bruce.schmitt@amec.com			7. NAME OF FIRM (if block 2a is a branch office) AMEC Environment & Infrastructure, Inc.	
8a. FORMER FIRM NAME(S) (if any) AMEC Earth & Environmental, Inc. (2000 - 2011) AGRA Earth & Environmental, Inc. (1994 - 2000) Merger History: AMEC E&I Holdings, Inc. (f/k/a MACTEC, Inc.); AMEC E&I, Inc. (f/k/a MACTEC Engineering and Consulting, Inc.); AMEC Geomatrix, Inc. (f/k/a Geomatrix Consultants, Inc.); AMEC-BCI Engineers & Scientists, Inc. (f/k/a BCI Engineers & Scientists, Inc.; Hydrosphere Resource Consultants, Inc.); AMEC Infrastructure, Inc. (f/k/a AGRA Infrastructure, Inc.)			8b. YR. ESTABLISHED 1994 1994	8c. DUNS NUMBER 038086125 803037522

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below) Branch (Firm)
		(1) FIRM	(2) BRANCH			
05	Archeologists	97	--	C14	Conservation and Resource Management	1 (9)
07	Biologists	167	--	C15	Construction Management	4(10)
08/29	CADD Technicians/GIS Specialists	348	--	D01/D02	Dams; Dikes; Levees	(9)
12	Civil Engineers	482	--		Design-Build	(10)
15/16	Construction Inspectors/Managers	226	1	E01	Ecological & Archeological Investigations	(9)
19	Ecologists	97	--	E07	Energy Conservation; New Energy Sources	(9)
23	Environmental Engineers	335	--	E09	Environmental Impact Studies, Assessments or Statements	1 (10)
24	Environmental Scientists	632	2	E11	Environmental Planning	1 (9)
27/55	Foundation/Geotechnical/Soils Engineers	447	3	E12	Environmental Remediation	2 (10)
30	Geologists	403	1	G04	GIS Services: Development, Analysis, and Data Collection	(10)
34	Hydrologists/Hydrogeologists	192	--	H03	Hazardous, Toxic, Radioactive Waste Remediation	1(10)
47	Planners: Urban/Regional/Environmental	108	--	H07	Highways; Streets; Airfield Paving; Parking Lots	2(10)
42	Mechanical Engineers	66	1	P05/P07	Planning (Community, Regional, Area-wide and State)	(8)
48	Project Managers	177	1	R03	Railroad, Rapid Transit	(10)
58	Technician	1340	5	R04	Recreation Facilities (Parks, Marinas, Etc.)	(9)
62	Water Resources Engineer	202	1	R11	Rivers; Canals; Waterways; Flood Control	1 (10)
	Environmental Regulatory Compliance Specialist	7	2	S05	Soils & Geologic Studies; Foundations	1(10)
	Project Services	1049	2	S10	Surveying, Platting; Mapping; Flood Plain Studies	(8)
	UXO Professionals	190	--	T02	Testing & Inspection Services	2(10)
	Other Professional Staff	1062	--	U01	Unexploded Ordnance Remediation	(10)
	Total	7627	19	W02	Water Resources; Hydrology; Ground Water	1 (10)

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(insert revenue index number shown at right)

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

- LESS THAN \$100,000
- \$100,000 to less than \$250,000
- \$250,000 to less than \$500,000
- \$500,000 to less than \$1 million
- \$1 million to less than \$2 million
- \$2 million to less than \$5 million
- \$5 million to less than \$10 million
- \$10 million to less than \$25 million
- \$25 million to less than \$50 million
- \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 2/27/2013
c. NAME AND TITLE Bruce Schmitt	

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

Part II - General Qualifications

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME AMEC Environment & Infrastructure, Inc.		3. YEAR ESTABLISHED 1994	4. DUNS NUMBER 092833870
2b. STREET 5845 NW 158th Street		5. OWNERSHIP	
2c. CITY Miami Lakes		2d. STATE FL	2e. ZIP CODE 33014
6a. POINT OF CONTACT NAME AND TITLE Michael Nardone, Florida Area Manager		a. TYPE Corporation	
6b. TELEPHONE NUMBER (954) 591-3995		b. SMALL BUSINESS STATUS not applicable	
6c. E-MAIL ADDRESS michael.nardone@amec.com		7. NAME OF FIRM (if block 2a is a branch office) AMEC Environment & Infrastructure, Inc.	
8a. FORMER FIRM NAME(S) (if any) AMEC Earth & Environmental, Inc. (2000 – 2011) AGRA Earth & Environmental, Inc. (1994 – 2000)		8b. YR. ESTABLISHED 1994 1994	8c. DUNS NUMBER 038086125 803037522
Merger History: AMEC E&I Holdings, Inc. (f/k/a MACTEC, Inc.); AMEC E&I, Inc. (f/k/a MACTEC Engineering and Consulting, Inc.); AMEC Geomatrix, Inc. (f/k/a Geomatrix Consultants, Inc.); AMEC-BCI Engineers & Scientists, Inc. (f/k/a BCI Engineers & Scientists, Inc.; Hydrosphere Resource Consultants, Inc.; AMEC Infrastructure, Inc. (f/k/a AGRA Infrastructure, Inc.))			

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below) Branch (Firm)
		(1) FIRM	(2) BRANCH			
06	Architects	27	2	C14	Conservation and Resource Management	(9)
08/29	CADD Technicians/GIS Specialists	348	2	C15	Construction Management	7 (10)
12	Civil Engineers	482	4	D01/D02	Dams; Dikes; Levees	(9)
15/16	Construction Inspectors/Managers	226	5		Design-Build	8 (10)
19	Ecologists	97	1	E01	Ecological & Archeological Investigations	(9)
21	Electrical Engineers	30	1	E07	Energy Conservation; New Energy Sources	(9)
23	Environmental Engineers	335	5	E09	Environmental Impact Studies, Assessments or Statements	6 (10)
24	Environmental Scientist	632	5	E11	Environmental Planning	(9)
27/55	Foundation/Geotechnical/Soils Engineers	447	4	E12	Environmental Remediation	7 (10)
30	Geologists	403	1	G04	GIS Services: Development, Analysis, and Data Collection	2 (10)
34	Hydrologists/Hydrogeologists	192	1	H03	Hazardous, Toxic, Radioactive Waste Remediation	(10)
39	Landscape Architect	27	1	H07	Highways; Streets; Airfield Paving; Parking Lots	5 (10)
40	Materials Engineer	47	1	P05/P07	Planning (Community, Regional, Areawide and State)	(8)
42	Mechanical Engineers	66	1	R03	Railroad, Rapid Transit	5 (10)
57	Structural Engineers	54	1	R04	Recreation Facilities (Parks, Marianas, Etc.)	(9)
58	Technicians	1340	36	R11	Rivers; Canals; Waterways; Flood Control	1 (10)
62	Water Resources Engineers	202	-	S05	Soils & Geologic Studies; Foundations	7 (10)
	Project Services	1049	17	S10	Surveying, Platting; Mapping; Flood Plain Studies	(8)
	UXO Professionals	190	-	T02	Testing & Inspection Services	6 (10)
	Other Professional Staff	1433	-	U01	Unexploded Ordnance Remediation	(10)
	Total	7627	88	W02	Water Resources; Hydrology; Ground Water	3 (10)

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- | | |
|---|---|
| 1. LESS THAN \$100,000 | 6. \$2 million to less than \$5 million |
| 2. \$100,000 to less than \$250,000 | 7. \$5 million to less than \$10 million |
| 3. \$250,000 to less than \$500,000 | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater |

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 3/8/2013
c. NAME AND TITLE Michael Nardone, Florida Area Manager	

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (6/2004)

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

Part II - General Qualifications

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME AMEC Environment & Infrastructure, Inc.			3. YEAR ESTABLISHED 1994	4. DUNS NUMBER 178366183
2b. STREET 4919 West Laurel Street			5. OWNERSHIP	
2c. CITY Tampa	2d. STATE FL	2e. ZIP CODE 33607	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Carl Christmann, PE - Director of Forensic Engineering & Geotechnical Services			b. SMALL BUSINESS STATUS not applicable	
6b. TELEPHONE NUMBER (813) 289-0750			7. NAME OF FIRM (if block 2a is a branch office) AMEC Environment & Infrastructure, Inc.	
6c. E-MAIL ADDRESS carl.christmann@amec.com			8a. FORMER FIRM NAME(S) (if any)	8b. YR. ESTABLISHED
8a. FORMER FIRM NAME(S) (if any) AMEC Earth & Environmental, Inc. (2000 - 2011) AGRA Earth & Environmental, Inc. (1994 - 2000)			8b. YR. ESTABLISHED 1994 1994	8c. DUNS NUMBER 038086125 803037522
Merger History: AMEC E&I Holdings, Inc. (f/k/a MACTEC, Inc.); AMEC E&I, Inc. (f/k/a MACTEC Engineering and Consulting, Inc.); AMEC Geomatrix, Inc. (f/k/a Geomatrix Consultants, Inc.); AMEC-BCI Engineers & Scientists, Inc. (f/k/a BCI Engineers & Scientists, Inc.); Hydrosphere Resource Consultants, Inc.; AMEC Infrastructure, Inc. (f/k/a AGRA Infrastructure, Inc.)				

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below) Branch (Firm)
		(1) FIRM	(2) BRANCH			
5	Archeologists	97	-	C14	Conservation and Resource Management	4 (9)
07	Biologists	167	-	C15	Construction Management	3 (10)
08/29	CADD Technicians/GIS Specialists	348	-	D01/D02	Dams; Dikes; Levees	3 (9)
12	Civil Engineers	482	1		Design-Build	2 (10)
15/16	Construction Inspectors/Managers	226	1	E01	Ecological & Archeological Investigations	3 (9)
23	Environmental Engineers	335	1	E07	Energy Conservation; New Energy Sources	1 (9)
24	Environmental Scientists	632	1	E09	Environmental Impact Studies, Assessments or Statements	5 (10)
27/55	Foundation/Geotechnical/Soils Engineers	447	5	E11	Environmental Planning	4 (9)
30	Geologists	403	6	E12	Environmental Remediation	4 (10)
34	Hydrologists/Hydrogeologists	192	-	G04	GIS Services: Development, Analysis, and Data Collection	2 (10)
36	Industrial Hygienists	57	1	H03	Hazardous, Toxic, Radioactive Waste Remediation	1 (10)
40	Materials Engineers	47	1	H07	Highways; Streets; Airfield Paving; Parking Lots	3 (10)
47	Planners: Urban/Regional/Environmental	108	-	P05/P07	Planning (Community, Regional, Area-wide and State)	1 (8)
48	Project Managers	177	-	R03	Railroad, Rapid Transit	1 (10)
58	Technicians	1340	19	R04	Recreation Facilities (Parks, Marianas, Etc.)	2 (9)
60	Transportation Engineers	56	1	R11	Rivers; Canals; Waterways; Flood Control	2 (10)
62	Water Resource Engineers	202	-	S05	Soils & Geologic Studies; Foundations	5 (10)
	Project Services	1049	5	S10	Surveying, Platting; Mapping; Flood Plain Studies	3 (8)
	UXO Professionals	190	-	T02	Testing & Inspection Services	5 (10)
	Other Professional Staff	1072	-	U01	Unexploded Ordnance Remediation	(10)
	Total	7627	42	W02	Water Resources; Hydrology; Ground Water	4 (10)

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

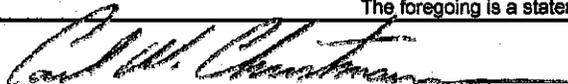
a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- | | |
|---|---|
| 1. LESS THAN \$100,000 | 6. \$2 million to less than \$5 million |
| 2. \$100,000 to less than \$250,000 | 7. \$5 million to less than \$10 million |
| 3. \$250,000 to less than \$500,000 | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater |

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 3/8/2013
c. NAME AND TITLE Carl Christmann, PE - Director of Forensic Engineering & Geotechnical Services	

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (8/2004)

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

Part II - General Qualifications

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME AMEC Environment & Infrastructure, Inc.		3. YEAR ESTABLISHED 1994	4. DUNS NUMBER 9643364
2b. STREET 76 E. Amelia Street, Suite 200		5. OWNERSHIP	
2c. CITY Orlando	2d. STATE FL	2e. ZIP CODE 32801-1320	a. TYPE Corporation
6a. POINT OF CONTACT NAME AND TITLE Dennis Kenney, Office Manager			b. SMALL BUSINESS STATUS not applicable
8b. TELEPHONE NUMBER 407-522-7570		6c. E-MAIL ADDRESS dennis.kenney@amec.com	
8a. FORMER FIRM NAME(S) (if any) AMEC Earth & Environmental, Inc. (2000 - 2011) AGRA Earth & Environmental, Inc. (1994 - 2000)		8b. YR. ESTABLISHED 1994 1994	8c. DUNS NUMBER 038086125 803037522
7. NAME OF FIRM (if block 2a is a branch office) AMEC Environment & Infrastructure, Inc.			
Merger History: AMEC E&I Holdings, Inc. (f/k/a MACTEC, Inc.); AMEC E&I, Inc. (f/k/a MACTEC Engineering and Consulting, Inc.); AMEC Geomatrix, Inc. (f/k/a Geomatrix Consultants, Inc.); AMEC-BCI Engineers & Scientists, Inc. (f/k/a BCI Engineers & Scientists, Inc.); Hydrosphere Resource Consultants, Inc.; AMEC Infrastructure, Inc. (f/k/a AGRA Infrastructure, Inc.)			

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number see below Branch (Firm)
		(1) FIRM	(2) BRANCH			
05	Archeologists	97	-	C14	Conservation and Resource Management	2 (9)
06	Architects	27	2	C15	Construction Management	1 (10)
07	Biologists	167	-	D01/D02	Dams; Dikes; Levees	(9)
08/29	CADD Technicians/GIS Specialists	348	1		Design-Build	(10)
12	Civil Engineers	482	1	E01	Ecological & Archeological Investigations	2 (9)
15/16	Construction Inspectors/Managers	226	3	E07	Energy Conservation; New Energy Sources	(9)
23	Environmental Engineers	335	1	E09	Environmental Impact Studies, Assessments or Statements	2 (10)
24	Environmental Scientists	632	2	E11	Environmental Planning	(9)
25	Fire Protection Engineers	13	1	E12	Environmental Remediation	2 (10)
27/55	Foundation/Geotechnical/Soils Engineers	447	-			
30	Geologists	403	-	G04	GIS Services: Development, Analysis, and Data Collection	(10)
34	Hydrologists/Hydrogeologists	192	-	H03	Hazardous, Toxic, Radioactive Waste Remediation	(10)
38	Land Surveyors	59	16	H07	Highways; Streets; Airfield Paving; Parking Lots	2 (10)
40	Materials Engineers	47	1	P05/P07	Planning (Community, Regional, Area-wide and State)	1 (8)
47	Planners: Urban/Regional/Environmental	108	-	R03	Railroad, Rapid Transit	(10)
48	Project Managers	177	1	R04	Recreation Facilities (Parks, Marianas, Etc.)	(9)
58	Technicians	1340	13	R11	Rivers; Canals; Waterways; Flood Control	2 (10)
62	Water Resources Engineers	202	-	S05	Soils & Geologic Studies; Foundations	1 (10)
	Project Services	1049	6	S10	Surveying, Platting; Mapping; Flood Plain Studies	6 (8)
	UXO Professionals	190	-	T02	Testing & Inspection Services	5 (10)
	Other Professional Staff	1086	-	U01	Unexploded Ordnance Remediation	(10)
	Total	7627	48	W02	Water Resources; Hydrology; Ground Water	4 (10)

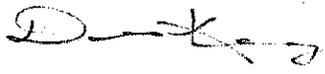
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- | | |
|---|---|
| 1. LESS THAN \$100,000 | 6. \$2 million to less than \$5 million |
| 2. \$100,000 to less than \$250,000 | 7. \$5 million to less than \$10 million |
| 3. \$250,000 to less than \$500,000 | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater |

12. AUTHORIZED REPRESENTATIVE

a. SIGNATURE 	b. DATE 3/8/2013
c. NAME AND TITLE Dennis Kenney, Office Manager	

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (6/2004)

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

Part II - General Qualifications

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME AMEC Environment & Infrastructure, Inc.			3. YEAR ESTABLISHED 1994	4. DUNS NUMBER 178366183
2b. STREET 2000 E. Edgewood Dr., Suite 215			5. OWNERSHIP	
2c. CITY Lakeland	2d. STATE FL	2e. ZIP CODE 33803	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE David Butcher, PE, LEED AP - Director of Civil Engineering & Water Resources			b. SMALL BUSINESS STATUS not applicable	
6b. TELEPHONE NUMBER (863) 667-2345		6c. E-MAIL ADDRESS david.butcher@amec.com		
8a. FORMER FIRM NAME(S) (if any)			8b. YR. ESTABLISHED	8c. DUNS NUMBER
AMEC Earth & Environmental, Inc. (2000 - 2011)			1994	038086125
AGRA Earth & Environmental, Inc. (1994 - 2000)			1994	803037522
Merger History: AMEC E&I Holdings, Inc. (f/k/a MACTEC, Inc.); AMEC E&I, Inc. (f/k/a MACTEC Engineering and Consulting, Inc.); AMEC Geomatrix, Inc. (f/k/a Geomatrix Consultants, Inc.); AMEC-BCI Engineers & Scientists, Inc. (f/k/a BCI Engineers & Scientists, Inc.); Hydrosphere Resource Consultants, Inc.; AMEC Infrastructure, Inc. (f/k/a AGRA Infrastructure, Inc.)				

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below) Branch (Firm)
		(1) FIRM	(2) BRANCH			
05	Archeologists	97	--	C14	Conservation and Resource Management	5 (9)
07	Biologists	167	--	C15	Construction Management	3 (10)
08/29	CADD Technicians/GIS Specialists	348	4	D01/D02	Dams; Dikes; Levees	5 (9)
12	Civil Engineers	482	8		Design-Build	2 (10)
15/16	Construction Inspectors/Managers	226	2	E01	Ecological & Archeological Investigations	3 (9)
19	Ecologists	97	1	E07	Energy Conservation; New Energy Sources	1 (9)
23	Environmental Engineers	335	--	E09	Environmental Impact Studies, Assessments or Statements	3 (10)
24	Environmental Scientists	632	3	E11	Environmental Planning	4 (9)
27/55	Foundation/Geotechnical/Soils Engineers	447	8	E12	Environmental Remediation	2 (10)
30	Geologists	403	4	G04	GIS Services: Development, Analysis, and Data Collection	3 (10)
34	Hydrologists/Hydrogeologists	192	--	H03	Hazardous, Toxic, Radioactive Waste Remediation	1 (10)
47	Planners: Urban/Regional/Environmental	108	--	H07	Highways; Streets; Airfield Paving; Parking Lots	3 (10)
48	Project Managers	177	4	P05/P07	Planning (Community, Regional, Area-wide and State)	1 (8)
51	Safety/Occupational Health Engineers	52	1	R03	Railroad, Rapid Transit	1 (10)
57	Structural Engineers	54	2	R04	Recreation Facilities (Parks, Marianas, Etc.)	2 (9)
58	Technicians	1340	11	R11	Rivers; Canals; Waterways; Flood Control	4 (10)
62	Water Resources Engineers	202	7	S05	Soils & Geologic Studies; Foundations	7 (10)
	Project Services	1049	20	S10	Surveying, Platting; Mapping; Flood Plain Studies	3 (8)
	UXO Professionals	190	--	T02	Testing & Inspection Services	3 (10)
	Other Employees	1029	--	U01	Unexploded Ordnance Remediation	(10)
				W02	Water Resources; Hydrology; Ground Water	5 (10)
Total		7627	75			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

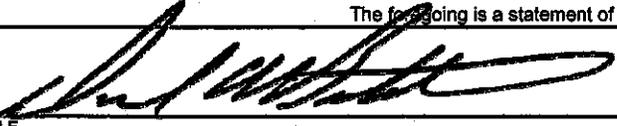
PROFESSIONAL SERVICES REVENUE INDEX NUMBER

(Insert revenue index number shown at right)	
a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10

- LESS THAN \$100,000
- \$100,000 to less than \$250,000
- \$250,000 to less than \$500,000
- \$500,000 to less than \$1 million
- \$1 million to less than \$2 million
- \$2 million to less than \$5 million
- \$5 million to less than \$10 million
- \$10 million to less than \$25 million
- \$25 million to less than \$50 million
- \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The following is a statement of facts.

a. SIGNATURE 	b. DATE 3/8/2013
c. NAME AND TITLE David Butcher, PE, LEED AP - Director of Civil Engineering & Water Resources	

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 330 (8/2004)

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

Part II - General Qualifications

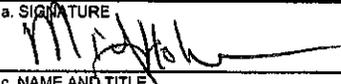
(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME AMEC Environment & Infrastructure, Inc.			3. YEAR ESTABLISHED 1994	4. DUNS NUMBER 032382988
2b. STREET 3901 Carmichael Avenue			5. OWNERSHIP	
2c. CITY Jacksonville			2d. STATE FL	2e. ZIP CODE 32207
6a. POINT OF CONTACT NAME AND TITLE Michael Holm, Office Manager			a. TYPE Corporation	
6b. TELEPHONE NUMBER (904) 391-3762			b. SMALL BUSINESS STATUS not applicable	
6c. E-MAIL ADDRESS michael.holm@amec.com			7. NAME OF FIRM (if block 2a is a branch office) AMEC Environment & Infrastructure, Inc.	
8a. FORMER FIRM NAME(S) (if any)			8b. YR. ESTABLISHED	8c. DUNS NUMBER
AMEC Earth & Environmental, Inc. (2000 - 2011)			1994	038086125
AGRA Earth & Environmental, Inc. (1994 - 2000)			1994	803037522
Merger History: AMEC E&I Holdings, Inc. (f/k/a MACTEC, Inc.); AMEC E&I, Inc. (f/k/a MACTEC Engineering and Consulting, Inc.); AMEC Geomatrix, Inc. (f/k/a Geomatrix Consultants, Inc.); AMEC-BCI Engineers & Scientists, Inc. (f/k/a BCI Engineers & Scientists, Inc.); Hydrosphere Resource Consultants, Inc.; AMEC Infrastructure, Inc. (f/k/a AGRA Infrastructure, Inc.)				

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below) Branch (Firm)
		(1) FIRM	(2) BRANCH			
05	Archeologists	97	--	C14	Conservation and Resource Management	(9)
07	Biologists	167	--	C15	Construction Management	4 (10)
08/29	CADD Technicians/GIS Specialists	348	1	D01/D02	Dams; Dikes; Levees	(9)
12	Civil Engineers	482	3		Design-Build	4 (10)
15/16	Construction Inspectors/Managers	226	2	E01	Ecological & Archeological Investigations	(9)
23	Environmental Engineers	335		E07	Energy Conservation; New Energy Sources	(9)
24	Environmental Scientists	632	3	E09	Environmental Impact Studies, Assessments or Statements	5 (10)
27/55	Foundation/Geotechnical/Soils Engineers	447	5	E11	Environmental Planning	(9)
30	Geologists	403	1	E12	Environmental Remediation	2 (10)
34	Hydrologists/Hydrogeologists	192	--	G04	GIS Services: Development, Analysis, and Data Collection	(10)
42	Mechanical Engineers	66	1	H03	Hazardous, Toxic, Radioactive Waste Remediation	2 (10)
47	Planner: Urban/Regional/Environmental	108	--	H07	Highways; Streets; Airfield Paving; Parking Lots	4 (10)
48	Project Managers	177	--	P05/P07	Planning (Community, Regional, Area-wide and State)	(8)
57	Structural Engineers	54	1	R03	Railroad, Rapid Transit	1 (10)
58	Technicians	1340	23	R04	Recreation Facilities (Parks, Marinas, Etc.)	1 (9)
62	Water Resources Engineers	202	--	R11	Rivers; Canals; Waterways; Flood Control	3 (10)
	Air Quality Specialists	55	1	S05	Soils & Geologic Studies; Foundations	5 (10)
	Project Services	1340	7	S10	Surveying, Platting; Mapping; Flood Plain Studies	(8)
	UXO Professionals	190	--	T02	Testing & Inspection Services	6 (10)
	Other Employees	766	25	U01	Unexploded Ordnance Remediation	(10)
	Total	7627	73	W02	Water Resources; Hydrology; Ground Water	1 (10)

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	10	1. LESS THAN \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	3. \$250,000 to less than \$500,000	4. \$500,000 to less than \$1 million	5. \$1 million to less than \$2 million
c. Total Work	10	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million
		10. \$50 million or greater			

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 04/10/2013
c. NAME AND TITLE Michael Holm, Office Manager	

State of Florida

Board of Professional Engineers

Attests that

Brian Scott Hathaway, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 60724
Audit No: 228201516442

State of Florida

Board of Professional Engineers

Attests that

Angela L. Alba, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 58538
Audit No: 228201504062

State of Florida

Board of Professional Engineers

Attests that

James Alan Horton, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 23915
Audit No: 228201520815

State of Florida

Board of Professional Engineers

Attests that

Thai Nguyen, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 66551
Audit No: 228201516873

State of Florida

Board of Professional Engineers

Attests that

Zhihong Hu, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 71526
Audit No: 228201503548

AC# 6108936 STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS REGULATION SEQ# 112042401407

DATE	ISSUE NUMBER	LICENSE NUMBER	STATUS
04/24/2012	1128177759	60724	ACTIVE

The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 471, FS
Expiration date: JUL 31, 2014

BURROUGHS, CHRISTOPHER
7811 NORTH FORK DRIVE
WEST PALM BEACH FL 33411

RICK SCOTT GOVERNOR
KRM LAWSON SECRETARY
DISPLAY AS REQUIRED BY LAW

State of Florida

Board of Professional Engineers

Attests that

Luis Albano Ponce, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 71723
Audit No: 228201505855

State of Florida

Board of Professional Engineers

Attests that

Alexander Rojas, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 75704
Audit No: 2282015147801

State of Florida

Board of Professional Engineers

Attests that

Leslie G. Bromwell, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 18234
Audit No: 228201514874

State of Florida

Board of Professional Engineers

Attests that

Armando Hernandez



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 63211
Audit No: 228201520602 Special Inspector SI Lic. No: 7392809

State of Florida

Board of Professional Engineers

Attests that

Christopher L. Lewis, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
 Expiration: 2/28/2015 P.E. Lic. No: 58092
 Audit No: 228201507919

State of Florida

Board of Professional Engineers

Attests that

Kumar Achyut Allady, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
 Expiration: 2/28/2015 P.E. Lic. No: 52845
 Audit No: 228201503992

State of Florida

Board of Professional Engineers

Attests that

AMEC Environment & Infrastructure, Inc.



Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.
 Expiration: 2/28/2015 CA Lic. No: 5392
 Audit No: 228201504712 Certificate of Authorization

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Construction Materials Engineering Council

Accredited Agencies

Company	AMEC Environment & Infrastructure, Inc.		
Physical Address	5845 NW 158 Street		
	Miami Lakes	FL	33014 305-828-5588
Supervisor	Guillermo Maya		
	AASHTO R18		
Concrete:	C1084, C1231, C138T121, C149T119, C172T144, C173T198, C231T152, C31T23, C39T22, C42T24, C511, C617T231, C78T97, Specification C1077, Specification E329 Expires-10/31/2012		
Aggregate:	C117T11 Coarse, C117T11 Fine, C127T85, C128T84, C136T27 Coarse, C136T27 Fine, C26T19, C40T21, C566T255, C702T248, Specification C1077, Specification E329 Expires-10/31/2012		
Masonry:	C1019, C109, C1314, C140, C305, C511 Expires-10/31/2012		
Soil:	D1140, D155T180, D2216T265, D2487, D2488, D421T87, D422T88, D4318T89, D4318T90, D4944T217, D6938T310, D698T99, D854T100, FM5515, Specification D3740, Specification E329, T148, T267 Expires-10/31/2012		

State of Florida

Department of State

I certify from the records of this office that AMEC ENVIRONMENT & INFRASTRUCTURE, INC. is a Nevada corporation authorized to transact business in the State of Florida, qualified on August 3, 2000.

The document number of this corporation is F00000004389.

I further certify that said corporation has paid all fees due this office through December 31, 2013, that its most recent annual report/uniform business report was filed on January 21, 2013, and its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.



CR2E02 (1-11)

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twentieth day of February, 2013

Ken Detzner
 Ken Detzner
 Secretary of State

AC# 6182125

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
 BOARD OF PROFESSIONAL REGULATORS

SEQ# 212070202311

DATE	ISSUE NUMBER	LICENSE NO.	CLASS
07/02/2013	120002583	GB514	
The GEOLOGY BUSINESS Named below IS CERTIFIED Under the provisions of Chapter 452 Pa. Expiration date: JUL 31, 2014			
AMEC ENVIRONMENT & INFRASTRUCTURE, INC. 1105 LAKEWOOD PKWY STE 300 ALPHARETTA GA 30009			
RICK SCOTT GOVERNOR		KEN LAWSON SECRETARY	



AMEC Environmental & Infrastructure

Formely MACTEC

2280 Metrocenter Boulevard, Suite 8
 West Palm Beach, FL 33407

Accreditation ID 1000785

This is to certify that this laboratory has been accredited for technical competence and found to meet the requirements for performing the test methods listed below for the inspection and testing of construction materials.

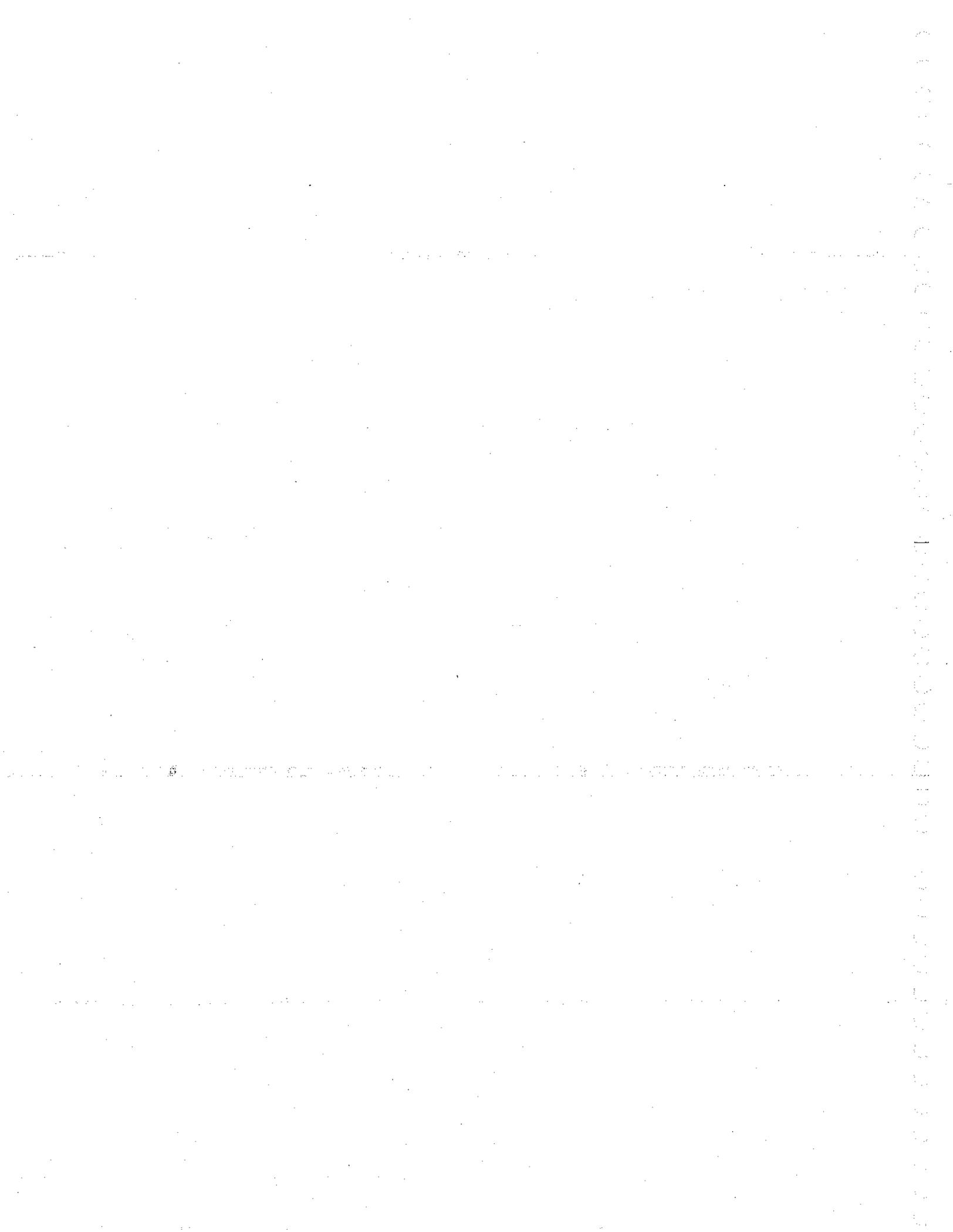
AASHTO R18

Concrete:	C1064T308, C1231, C138T121, C143T119, C172T141, C173T198, C231T152, C31T23, C39T22, C511, C617T231, Specification C1077, Specification E329 Expires-10/31/2012
Aggregate:	C117T11 Coarse, C117T11 Fine, C127T85, C128T84, C136T27 Coarse, C136T27 Fine, C566T255 Expires-10/31/2012
Masonry:	C780 (Annex A5), C1019, C511 Expires-10/31/2012
Soil:	D1140, D155T180, D2216T265, D421R54, D422T86 Wash Only, D4318T89, D4318T90, D6938T310, D698T99, FM5515, Specification D3740, Specification E329 Expires-10/31/2012

David A. Savage
 David A. Savage
 Director of Accreditation

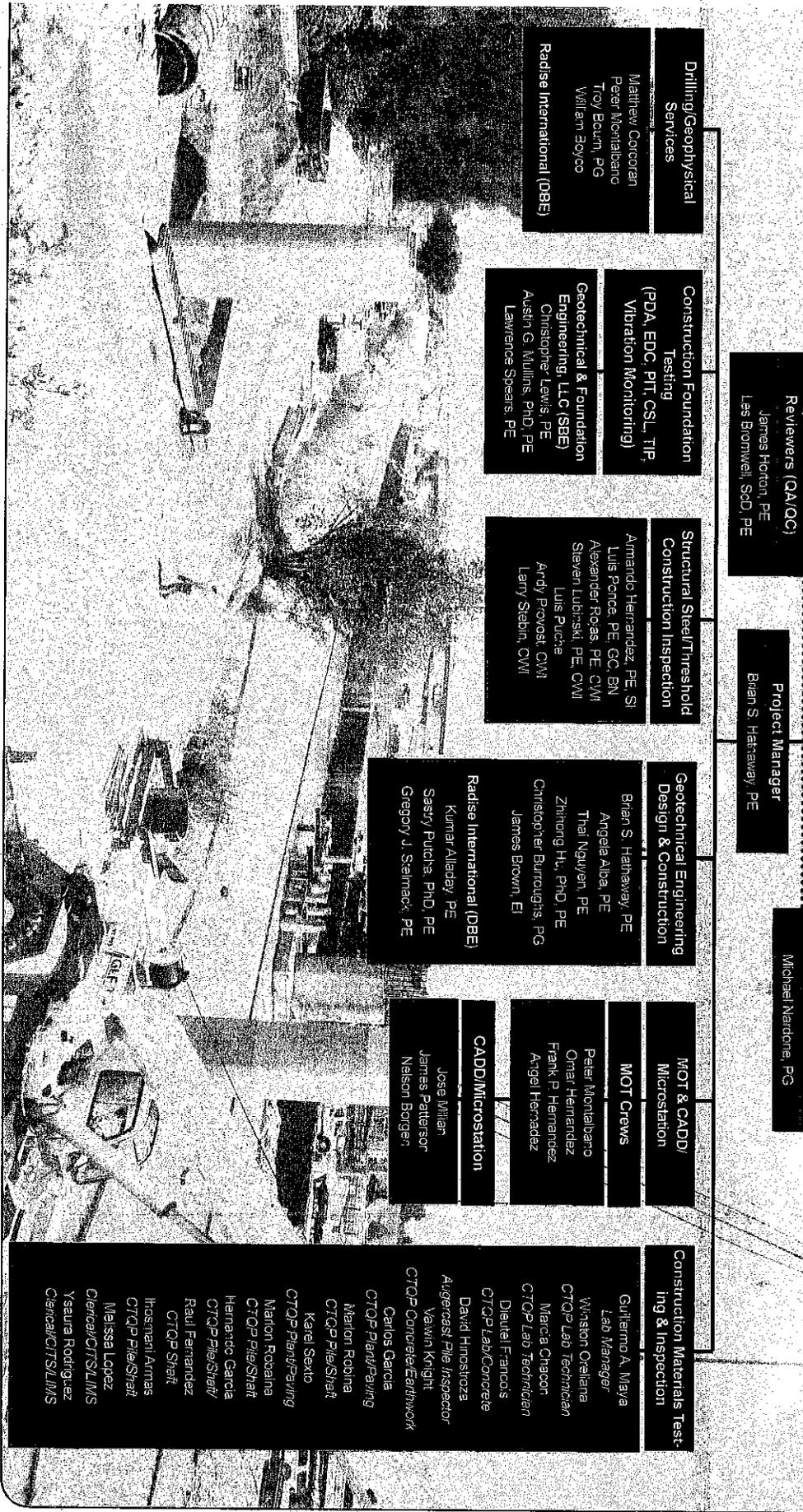
Christopher J. Robinson, P.E.
 Christopher J. Robinson, P.E.
 Executive Director

The current scope of accreditation can be obtained by viewing the CMEC Directory of Accredited Laboratories (www.cmec.org)





**EC Project Team for the City of Fort Lauderdale's
Geotechnical Engineering and
Laboratory Testing Services**
Q No. 636-11225



Fort Lauderdale
Geotechnical Engineering and
Laboratory Testing Services

Qualifications of
the Project Team

RFQ No. 636-11225
May 29, 2013

Qualifications of the Project Team

Key Personnel for City of Fort Lauderdale Geotechnical Engineering and Laboratory Testing Services

Firm	Team Member	Position	Years/ Exp.	Type of Degree	Avail. %
AMEC	Brian S. Hathaway, PE	Project Manager/Principal Geotechnical Engineer	15	M.E.	85%
AMEC	James Horton, PE	Chief Engineer/Technical QA/QC Reviewer	41	M.S.	40%
AMEC	Les Bromwell, ScD, PE	Chief Engineer/Technical QA/QC Reviewer	50	Sc.D.	40%
AMEC	Angela Alba, PE	Chief Engineer/Technical QA/QC Reviewer	15	M.S.	70%
AMEC	Thai Nguyen, PE	Senior Geotechnical Engineer / PDA/EDC/PIT/CSL	17	M.S.	60%
AMEC	Christopher Burroughs, PG	Senior Geologist	24	B.S.	70%
AMEC	Zhihong Hu, PE	Project Geotechnical Engineer	6	Ph.D.	70%
AMEC	James Brown, EI	Staff Geotechnical Engineer	1	M.E.	70%
AMEC	Armando Hernandez, PE, SI	Threshold/Special Inspector	36	M.B.A	60%
AMEC	Luis Ponce, PE, GC, BN	Senior Engineer/Licensed Building Inspector/ Threshold Inspector's Agent	24	B.S.	60%
AMEC	Alexander Rojas, PE, CWI	Senior Engineer, Certified Welding Inspector/Threshold Inspector's Agent	12	B.S.	60%
AMEC	Luis Puche	Architect / Roofing Consultant	22	B.A.	55%
AMEC	Andy Provost	NDT Steel Inspector/CWI/Coating Specialist	30	N/A	60%
AMEC	Winston Orellana	CTQP Senior Laboratory Technician	13	N/A	50%
AMEC	Marcia Chacon	CTQP Senior Laboratory Technician	16	B.G.	55%
AMEC	Dieutel Francois	CTQP Lab/Concrete/ Earthwork Tech	11	B.S.	60%
AMEC	David Hinostrroza	CTQP Paving/ Earthwork/Augercast Inspector	14	N/A	60%
AMEC	Valwin Knight	CTQP Concrete/Earthwork Tech	23	B.A.	55%
AMEC	Carlos Garcia	CTQP Plant/Paving Tech	9	B.S.	55%
AMEC	Marlon Robaina	CTQP Pile/Drilled Shaft Inspector	8	N/A	65%
AMEC	Hernando Garcia	CTQP Pile/Drilled Shaft Inspector	10	B.S.	60%
AMEC	Melissa Lopez	Clerical/LIMS	6	N/A	70%
FGE	Christopher Lewis, PE	PDA/EDC, PIT, CSL, TIP, Vibration Monitoring	20	M.S.	75%
FGE	Austin G. Mullins, PE	PDA/EDC, PIT, CSL, TIP, Vibration Monitoring	21	Ph.D.	70%
RADISE	Kumar Alladay, PE	Geotechnical Engineer	21	M.S.	30%

Qualifications of the Project Team

AMEC has selected and assembled a highly qualified team that offers the city unequaled quality and value considering our significant and relevant project experiences providing geotechnical, construction materials testing, and structural inspection services. The team, which is highlighted in our Organization Chart and in our Letter of Interest, has a strong, highly efficient, and successful working relationship that continually strives to exceed the expectations of contract managers through sound management and technical leadership practices. This team was selected based on its continual successful performance on task order-driven contracts that are similar and relevant to work that will be requested for this contract. AMEC has teamed with **Foundation & Geotechnical Engineering, LLC (FGE)**, to provide specialty non-destructive testing (NDT) services on deep foundation elements: PDA/EDC, PIT, CSL, and TIP testing services. In addition, AMEC is committed to Minority/Women (M/WBE) participation and has teamed with **RADISE International, LC, (RADISE)** as a combined resource for geotechnical engineering design, geotechnical drilling assistance, and field and laboratory testing.

Our available resources and proposed personnel are uniquely qualified to perform all of the services that are being requested in this continual service contract. Our geotechnical engineers and drilling team have a wealth of knowledge regarding the local geology and subsurface stratifications throughout Fort Lauderdale and the Broward County area and have significant experience with performing various complex geotechnical evaluations. Whether the project consists of an evaluation to determine the most cost-effective construction/foundation design solution for a structure or the evaluation and deep foundation design for a bascule bridge, our geotechnical team has the knowledge and experience.

Our Construction Materials Testing/Inspection and Laboratory team is highly trained and has significant experience to service any task order assignment for this contract. Our personnel are certified and cross-trained in various testing/inspection disciplines and has the technical understanding and knowledge of current construction means and methods to provide reliable field services. All of our testing equipment is continually inspected and calibrated in order for our personnel to service projects and solve problems while we are in the field and on site to keep our clients' construction projects on schedule and within budget. Our team is ready and capable to provide quality testing services to cover the city's infrastructure and roadway improvement and pavement assessment projects, evaluate earthwork



construction and material compaction operations, determine compliance of material strengths during building construction and provide structural inspections, track project specification and construction documents.

AMEC's proposed team has the geographic coverage area and available equipment and personnel to successfully meet the needs and requests under this contract. AMEC is a firm local to South Florida with more than 100 combined staff located in our Palm Beach, Broward, and Miami-Dade County offices. We have full-service FDOT/CMEC accredited materials testing laboratories located in West Palm Beach and Miami Lakes. Our offices are located in close proximity to the City of Fort Lauderdale and therefore well suited and capable to respond quickly to unscheduled project needs. AMEC's project manager, Mr. Brian S. Hathaway, PE, is located in West Palm Beach office and will be responsible for coordinating resources and field personnel for engineering, field inspections, and laboratory testing services for this contract.

In combination with our team's overall staffing and availability, we have a total of two drill rigs (truck and ATV), geophysical and in-situ instrumentation, pavement coring equipment, and expertise to perform all facets of geotechnical engineering required under this contract. Our team has six PDA units including three units with wireless capabilities (CAPWAP and WEAP), three CSL units (2 PDI /1 Olson) both with tomography, two PIT units (1 wireless), 500 ton Rapid Load Test device, five kip drop hammer, seven seismographs, three TIP units (Thermal Integrity Profilers), three Saximeters and various static load test equipment (jacks, dial gages, load cells and data acquisition computers). Our team also offers various material testing equipment and NDT testing tools to support QA/QC inspections and testing during construction. All are available for use under this contract.

In general, each task order will be staffed with the following team members:

Project Manager — A Florida registered professional engineer will supervise and be directly responsible for the quality performance of each Task Order Assignment. Our PM will be the key-point of contact and will have full responsibility of the work and reporting to the City's Contract Manager or assigned representative. In addition to being directly responsible for the implementation of the project and cost controls, our PM will also function in a "hands-on" work assignment role as appropriate.

Principal/Senior/Threshold Engineers — AMEC Senior Engineers will be Florida registered professional engineers and will direct and supervise technical assignments both in the field and the office, manage specific elements of the project, maintain effective client relations and prepare and conduct technical review of staff, reports, calculations, and prepare technical recommendations for the project. Senior Engineers will also prepare, direct and review cost estimates.

Project Engineers — AMEC Project Engineers will evaluate, select, and apply standard techniques, procedures, and criteria to perform technical tasks, field tasks, studies, and analysis with ongoing review from project team management. In the event there is a significant amount of work in one area, we have the depth of resources to add additional engineers as needed.

Staff Engineers — AMEC Staff Engineers will perform field exploration, inspection, and analysis and provide technical support for this Contract as well as supplement our inspectors for foundation or other complex field inspections.

Senior Inspectors/Engineering Inspectors — Our inspection staff consists of Florida Licensed Building Inspectors, AWS Certified Welding Inspectors and experienced construction material testing technicians. Our staff has significant experience with various testing standards, the Florida Building Code, and retains the required Florida Department of Transportation certification to effectively meet all the needs of this contract assignment. Additional inspector staff may be drawn upon, if necessary, from our South Florida Region.

Our engineering technicians and inspectors are trained in the following areas and retain FDOT certifications (where applicable):

- CTQP Roadway/Paving Technicians
- CTQP Asphalt Plant Technicians
- CTQP Bridge Inspectors



- CTQP Earthwork Inspectors
- CTQP Laboratory Testing Technicians
- ACI/CTQP Concrete Inspectors
- Certified Troxler Nuclear Density Gauge Technicians
- Radiological Safety Trained and Certified
- MOT – Maintenance of Traffic Certified
- AWS - Certified Welding Inspectors
- Licensed Building Inspectors –Commercial BN-Inspectors
- Floor Flatness Inspectors
- Professional Roofing Consultants
- Administrative Assistants/Financial Accountants/ Clerk/ Typist - We can supply significant support staff to meet the needs of any given project assignment.

Geotechnical Engineering

AMEC geotechnical engineers and earth scientists are established specialists in soils engineering, hydrology, geology, geophysics, seismology, and rock mechanics. Through our state-of-the-art exploratory techniques, we determine the behavior of soil, rock, and water as they are affected by natural phenomena and construction activities.

To determine the most appropriate subgrade preparation, pavement design, or foundation type for a variety of structures, AMEC geotechnical consultants investigate the soils and foundation conditions at potential project sites. Our local Geotechnical Engineers and Geologists

are extremely familiar with site and subsurface conditions that may adversely affect foundation installation and general construction. Our engineers and technicians provide substantiated data for the most appropriate design for the site conditions, including consideration of alternative designs and their impact on cost. In addition, AMEC's familiarity with soil and site conditions throughout South Florida and abroad contributes to early planning activities, avoiding potential difficulties and wasted time, and the resulting increased cost.

Value Added Recommendations

AMEC geotechnical engineers are experienced in evaluating and providing geotechnical recommendations for virtually every construction situation with respect to infrastructure and building construction, including the performance of various shallow and deep foundations, soil supported slabs, earth embankments, light poles, retaining walls, and pavement sections under both light and heavy traffic loading. As well, our engineers have significant experience within the city limits of the City of Fort Lauderdale.

Construction Quality Assurance Laboratory Testing

AMEC provides in-house, from nationally certified laboratories, supplementary testing services in conjunction with subsurface investigations and quality assurance programs, including laboratory testing and construction materials testing.

AMEC has unprecedented credentials in the following geotechnical work areas listed:

- Site evaluation
- Geotechnical insitu testing (SPT, CPT, DMT, PMT)
- Geophysical testing
- Soil Mechanics
- Foundation stability analysis and design
- Deep foundation alternatives
- Load testing services and analysis
- Foundation Installation Inspections
- Dynamic Pile Testing Services
- Slope stability analysis and retaining structure design
- Ground improvement alternatives
- Expert opinion and peer review
- Site Drainage
- Ground water well installation and monitoring
- Roadway and site preparation
- Construction support
- Constructions Specifications



Field Exploration Equipment:

- CME 55 Truck-mounted drill rig and support truck
- International Drill Rig Truck and CME 75 Drill Rig
- One ATV Mounted CME 550, Fully Equipped
- Split-Spoon sampling equipment
- Hand augers
- Rock coring equipment
- Piezometer installation equipment
- Shelby tube undisturbed sampler
- 4-inch diameter rock core barrel
- Double-ring infiltrometer testing equipment
- Pile Driving Analyzer (PDA)
- Embedded Data Collector (EDC)
- Crosshole Sonic Logging (CSL)
- Pile Integrity Testing (PIT)
- Thermal Integrity Profiling (TIP)
- Vibration monitoring equipment
- GeoProbe
- Dilatometer Equipment

Construction Material Testing Services

AMEC's West Palm Beach and Miami Lakes, Florida, offices are staffed and equipped to provide trained engineering technicians at the City's request to perform the required tests and inspections related to soils, concrete, grout, masonry, foundations, roofing, steel, and pavement systems, as well as bolt tightness and nondestructive testing (NDT). We operate accredited and calibrated construction materials laboratories that perform tests on soil, asphalt, steel, and concrete samples; and provide engineering consultation when required. AMEC's experienced technicians are certified by ACI, CTQP (FDOT), AWS, ICC, and Florida Board of

Professional Regulation. All field test data is reviewed by graduate engineers who have previous experience with construction practices and specific relative disciplines.

AMEC's registered Professional Engineers maintain direct control over all testing activities to verify that appropriate data gathering and testing techniques are employed meeting a variety of national standards. Specifications are enforced through quality control in construction. AMEC's method of systematic testing of construction materials is the means by which the architect, engineer, and owner can be sure that materials being used by the contractor are of the quality specified. This assurance directly affects the success of a project from the standpoint of life service, safety, budget and schedule.

In general, our field inspection and material testing services include the following field service areas:

- Soil Testing
- Concrete & Masonry Materials
- Aggregate Testing
- Asphalt Testing
- Construction Inspection Services
- Non – Destructive Testing

AMEC is committed and has the capacity and resources to provide the following requested field and laboratory testing services:

- Laboratory Density-Moisture relations
 - Standard Proctor (ASTM D698/AASHTO T-99)
 - Modified Proctor (ASTM D1557/AASHTO T-180)
- Field Density Determination of Soils Using Nuclear Gauge Method (ASTM D2922)
- Density of Soils by Drive-cylinder Method (ASTM D2937)
- Density of Soil by Sand Cone Method (ASTM D1556)
- Density of Soil by Sleeve Test (ASTM D4564)
- Limerock Bearing Ratio (FM-5-515)
- Limerock Analysis Test, including Carbonates of Calcium & Magnesium, Oxides of Iron & aluminum
- Laboratory California Bearing Ratio, CBR (ASTM D4429)
- In-place California Bearing Ratio, CBR (ASTM D4429)
- Dynamic Cone Penetrometer (ASTM D6951)
- Soil Visual Classification Test (ASTM D2488)
- Moisture Content Determination of Soils (ASTM D2216)



- Atteberg Limits of Soils (ASTM D424)
- Organic Content Determination of Soils (ASTM D2974)
- Soils Particle Size Distribution (ASTM D6913)
- Hydraulic Conductivity of Soils-Constant Head Method (ASTM D2434)
- Hydraulic Conductivity of soils using Flexible Wall membrane (ASTM D5084)
- Soil Resistivity Test
 - Laboratory Method (ASTM G187)
 - Field Method (ASTM G57)
- Fresh Concrete Sampling & Testing
 - Slump Test (ASTM C143)
 - Air Content (ASTM C173 or C231)
- Compressive Strength Determination of Concrete Cylinders (ASTM C39)
- Flexural Strength of Concrete Beam (ASTM C78)
- Casting and Compressive Strength Determination of cube specimens (ASTM C109)
- Concrete Coring and Compressive Strength Determination (ASTM C42)
- Compressive Strength Determination of In-place Concrete using Rebound Hammer (ASTM C805)
- Compressive Strength Determination of In-place Concrete using Windsor Probe (ASTM C803)
- Asphalt Coring and Sampling
- Bulk Specific Gravity & Density of Compacted Asphalt Cores (ASTM D2726)

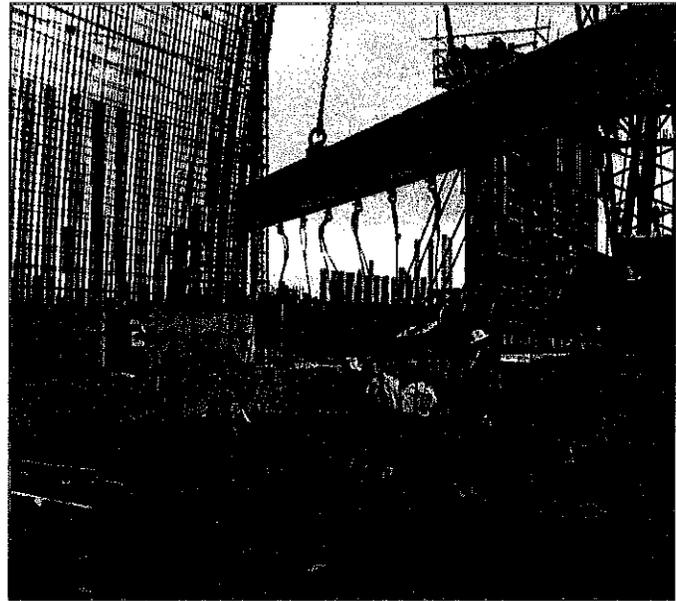
- Maximum Theoretical Density Determination (ASTM D2041)
- Asphalt Extraction Test (ASTM D2172)
- Field Density Determination of Asphalt using Nuclear Gauge Method (ASTM D2950)
- Trip Charge to collect samples, Not To Exceed \$60.00

Structural Inspections (Special Threshold Inspections)

AMEC offers a broad range of construction engineering and inspection services to assure the quality of our clients' construction projects. Our construction inspection personnel are licensed professionals in the State of Florida to perform Threshold and Special Inspection Services. In general, our Special (Threshold) Inspection services, where required in the Threshold Inspection Plan, consist of:

- Review the Threshold Inspection Plan
- Observation of reinforcing steel before placement of structural concrete by an agent of the Threshold Inspector
- Observation of placement of the cast-in-place structural concrete by an agent of the Threshold Inspector
- Observation of reinforced masonry construction by an agent of the Threshold Inspector including reinforcement, grout, and mortar
- Observation of precast structure installations by an agent of the Threshold Inspector
- Observation by an agent of the Threshold Inspector of bolted and field welded connections of structural steel elements and metal deck
- Documentation of any items not in compliance with the plans and specifications
- Site visits by the Threshold Inspector and a final letter indicating the project was constructed in accordance with the plans and specifications or approved modifications

AMEC has provided construction management and material testing services to municipalities, state and federal agencies during the construction of roads, bridges and support structures as well as buildings, stadiums, exhibit halls and municipal facilities. Services include concrete testing, steel reinforcement inspection and testing, steel precast (architectural), precast inspection (structural), foundation inspection, soils testing, and testing/ inspection of masonry, fireproofing, waterproofing, roofing, and bituminous materials.



Structural Steel

AMEC understands the critical nature of steel construction quality control and has extensive experience and readily available equipment to successfully complete a project where structural steel is a key element. Our services cover both reinforcement steel and structural steel, including qualifications of welders and welding procedures; inspection of joints for proper fit-up and joint preparation prior to welding; inspection of finished structural welds for conformance with the size and length requirements of the project drawings and quality requirements; ultrasonic inspection of completed penetration structural welds; verification inspections of high-strength bolted connections; and inspection of deck welds and decking installation.

Reinforcement Steel

Typical inspection activities for reinforcement steel include:

- Observe the placement of the reinforcement steel
 - Verify reinforcement steel for quantity, size, location, support
 - Verify proper reinforcement steel clearance for concrete coverage
- Document daily reinforcement steel observations and concrete testing activities and provide construction observation reports for distribution to all necessary parties

AMEC observes the onsite erection of structural steel and inspection of welded and bolted connections in accordance with the requirements of the AISC Manual of Steel Construction and the American Welding Society's

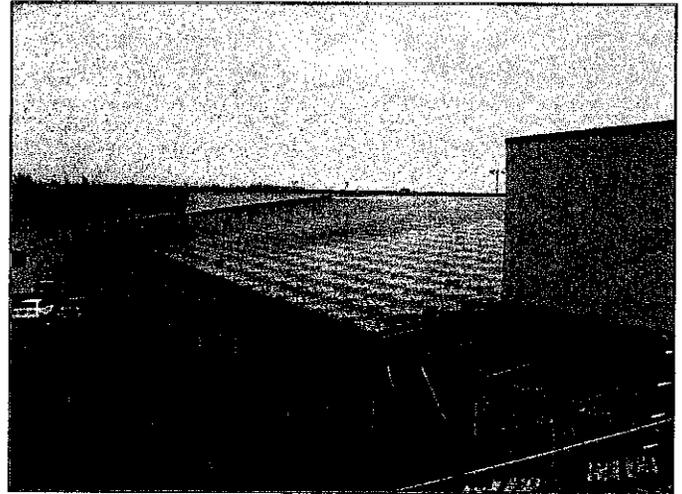
Structural Welding Code – Steel, D1.1-2000. On a typical construction project, we perform the following:

- Observe the general steel erection sequence
- Visually inspect high-strength bolted connections
- Test a percentage of the bolts, and at least two bolts in each connection, for tightness using a calibrated torque wrench
- Review welder qualifications and welding procedures
- Visually inspect shop and field welds
- Nondestructively examine complete penetration welds using ultrasonic, magnetic particle, or liquid penetrate test methods
- Inspect spacing and quality of decking welds as required by the plans
- Inspect stud shear connectors for number, spacing, and weld quality
- Verify field painting is performed in accordance with the project specifications
- Document daily structural steel observations and testing activities and provide construction observation reports for distribution to all necessary parties

Roofing

Roofing systems are one of the building elements most vulnerable to the quality of construction. AMEC's professionals have evaluated the performance of thousands of existing roof systems. We have designed all types of replacement roofs and monitored their installation. AMEC has designed QA/QC programs including reviewing drawings and specifications, performing application surveys, and providing life-prolonging maintenance plans and repair procedures. Our single-source services are directed by professional engineers and include:

1. **Construction Monitoring** — AMEC's quality assurance/control procedures for roof construction begin with a study of design drawings and specifications. A detailed checklist of critical construction items is prepared, based upon this review and AMEC's years of experience in roofing surveys, and used as a basis for monitoring the roofing operation to note deviations from the project requirements.
2. **Condition/Maintenance Surveys** — AMEC has developed programs for condition surveys and preventive maintenance, including visual, infrared, nuclear and electronic examinations to document a roofs watertightness, moisture content and general condition. This survey includes an analysis



of roof penetrations, condition of the decking and any early signs of deterioration, condition of the flashing and seals around walls and parapets, roof membrane integrity and any combinations of factors which represent potential roof problems. Routine maintenance surveys assist in early detection of problems before they become major concerns.

3. **Investigation and Repair Procedures** — AMEC's engineers can provide detailed investigations as to the problem source and extent of a roof failure. From this analysis, our professionals develop repair procedures, prepare plans, specifications and bid documents and provide on-site monitoring during the repair process.

Moisture Detection Consulting

Experienced in all facets of exterior wall construction, AMEC's staff applies a professional, scientific approach resulting in effective and practical solutions to exterior wall problems. AMEC's approach includes a thorough visual examination of the exterior wall system and a review of available design and shop drawings. When required, water testing is performed and sections of the wall are disassembled to determine the cause or causes of the water leakage. AMEC's engineers typically meet with the client to develop final repair strategies. A report is prepared defining the problems and outlining potential solutions tailored to the client's priorities and budgetary constraints. Detailed specifications and bid documents are prepared for the rehabilitation program.

AMEC is a full-service, multi-discipline, consultant engineering company with significant local available resources and relevant project experience that can be utilized to service this contract. When you select AMEC, you get a project team that is committed to achieving successful project results through consistent quality performance and management.

Project Manager's Experience

Brian S. Hathaway, PE, will serve as AMEC's Project Manager for the duration of the City of Fort Lauderdale's Geotechnical Engineering and Laboratory Testing Services Contract.

Mr. Hathaway is uniquely qualified and was selected based on his background and technical knowledge of the requested practice areas along with his successful contract management experiences on similar task order contracts. Mr. Hathaway is a licensed professional engineer with more than 13 years of engineering experience, all which have been with AMEC and its legacy companies. Mr. Hathaway grew up in Boca Raton, and has been a Florida resident since 1980, is very familiar with Fort Lauderdale, and has witnessed firsthand the development and infrastructure improvements throughout South Florida.



Mr. Hathaway has bachelor's degree in Civil Engineering from Florida State University. Immediately following graduation, Mr. Hathaway took a temporary position with a civil/site general contractor located in Palm Coast, Flagler County, Florida, and was responsible for construction plans review, cost estimating, field engineering, surveying, and construction project management for various underground utilities, roadway and land development construction projects. In 2000, Mr. Hathaway received a master's degree in Civil Engineering with cores studies in the discipline of Geotechnical Engineering from the University of Florida. Mr. Hathaway's primary and core practice areas are in geotechnical and civil engineering, subsurface exploration techniques, site characterization, construction engineering inspections, field and laboratory material testing QA/QC, heavy civil construction, and construction management disciplines.

Mr. Hathaway has managed and provided professional engineering services for various geotechnical and engineering construction related projects throughout Florida, Alabama, and Georgia. These projects have ranged from residential structures, commercial developments to state roadways, highways and bridges,

Mr. Brian S. Hathaway, PE, was selected as Project Manager for the City of Fort Lauderdale opportunity based on his background and technical knowledge of the requested practice areas along with his successful contract management experiences on similar task order contracts.

office buildings, new schools and facilities improvements, hospitality structures, tower structures, parking garages, marine and port facilities, power and process facilities, heavy civil construction, stormwater drainage, earthen impoundment structures, filter marshes, park facilities, and landfills. The services provided by Mr. Hathaway involve all aspects of the project lifecycle including scope development, cost-estimating, subcontractor selection, project management, resource management, planning, execution, cost controls, scheduling, risk assessment, contract reviews, engineering analysis, design, and reporting.

Mr. Hathaway also has valuable project experience with the operations of various in-situ testing methods and data interpretation including field instrumentation for geophysical testing methods, dilatometer, CPT, pressuremeter, seismograph monitoring, and inclinometers. He has a comprehensive understanding of soil mechanics and has laboratory experience with the performance of triaxial testing, consolidation, direct shear, CSR, and permeability testing configurations.

Mr. Hathaway has provided project oversight for the design, installation, and inspection of drilled caissons, augercast piles, vibro-replacement stone columns, rammed aggregate piers (RAP), ductile iron pipe piles (DIP), driven steel pipe, and reinforced concrete piles. He has obtained certification through PDCA's Dynamic Measurement and Analysis Proficiency Test as a qualified Pile Driving Analyzer (PDA) operator.

A designated Principal Engineer and Project Manager with AMEC, Mr. Hathaway serves as the Geotechnical and Engineered Construction Department Manager for our West Palm Beach office. He is the technical lead and is responsible for all staff, projects, and engineering deliverables

developed by our geotechnical, construction materials, and construction management groups. Mr. Hathaway manages a staff of 12 personnel and various resources.

Mr. Hathaway has successfully performed as Project Manager and Task Order Manager on numerous geotechnical and construction materials projects and task order contracts that are nearly identical to the services requested under the RFQ. Below we have listed some project/contract references and examples:

■ **U.S. Army Corps of Engineers (USACE) – Jacksonville District ID/IQ Geotechnical, Drilling and Laboratory Services Contracts (1998-2001) and (2001-2004)**

Various Locations - Role: Task Order Manager/
Geotechnical Engineer

List of associated USACE task work order (TWO) Assignments:

- Herbert Hoover Dike
- 8.5 Square Mile Area (Phase 1)
- 8.5 Square Mile Area (phase 2)
- Lake Belt Phase 1
- C-43 Canal Reservoir Basin
- C-111 Spreader Canal
- C-111 New Monitoring Well Project
- L-31N Canal
- C-11 Canal

■ **South Florida Water Management District (SFWMD) – Geotechnical Engineering and Materials Testing Contracts (2002-2005), (2006-2008), (2013-2015)**

Various Locations – Role: Project Manager/
Geotechnical Engineer

List of associated SFWMD TWO Assignments:

- Allapattah Flats Management
- S-5a Pump Station Trash Rakes
- Mosquito Creek Culvert Replacement
- Storm Treatment Area STA 3/4 Construction Inspections
- Corkscrew Canal Widening Improvements Project
- Indian River Lagoon-Blue Goose Groves - Artesian Well Abandonment
- C-38 Canal Breach Repair
- S-63A Hoist Replacement Construction Improvements
- S-65 Shotcrete Repair
- PC 15 – C18 Culvert Replacement
- G-106 Culvert Replacement
- STA-5 Outlet Canal Project
- FAKA Union #4 Weir Replacement
- CREW 2 Maintenance Building
- STA 1-W Rock Coring
- STA -2- Levee Seepage
- G-113 –Culvert Replacement

- Operations and Maintenance Structures
- G-136 Culvert Replacement
- B-86N Culvert Replacement

■ **School District of Palm Beach County (SDPBC) – Geotechnical and Materials Testing Contract**
Palm Beach County, Florida – Role: Project Manger/
Geotechnical Engineer

List of associated SDPBC TWO Assignments:

- Glades Central High School
- CO Taylor Kirklane Elementary
- HL Johnson Elementary School
- Roosevelt Middle School
- Seminole Trails Elementary School
- Plumosa Elementary School
- West Central Communities / Royal Palm
- South Compound Transportation Facility
- Palm Beach Gardens High School
- Carver Middle School
- CO Taylor Elementary School
- HL Johnson Elementary School
- Roosevelt Middle School
- Seminole Trails Elementary School
- Plumosa Elementary School
- West Central Communities / Royal Palm
- South Compound Transportation Facility

■ **South Florida Water Management District (SFWMD) – Construction Management Contract (2008 -2016)**
Various Locations, Florida – Role: Project Manager /
QA/QC Engineer

List of associated SFWMD TWO Assignments:

- Lakeside Ranch STA/Pump Station S-650
- S-65D – Lock Refurbishment
- S-65D – Microwave Tower Replacement
- C-41 A – Canal Stabilization and Dredging (SEG I, II, & III)
- North Shore Trash Rakes – S-129, S-131, S-133, S-135, S-153

■ **City of West Palm Beach (CoWPB) – Geotechnical and Materials Testing Contract (2013 – 2016)** West Palm Beach, Palm Beach County, Florida – Role
Project Manager/Geotechnical Engineer

■ **Florida's Turnpike Enterprise (FTE) Construction and Materials Engineering Management Consultant (CMEMC) – Statewide, Florida – Role Project Manager /Geotechnical Engineer**

■ **Florida Department of Transportation (FDOT) District 4 – Geotechnical and Materials Testing Contract**
Indian River County to Broward County, Florida – Role
Project Manager/Geotechnical Engineer
27 Task Work Order Assignments

Overall Approach And Task Work Assignment Implementation

AMEC understands that the City requires a responsive consultant that has technical experts and available staff and resources to perform various tasks related to geotechnical explorations, geotechnical engineering, construction materials testing, and structural inspection services. AMEC will be expected to act as an extension to City's available resources, coordinate and communicate concisely with the City's Contract Manager and representatives with primary responsibilities to perform tasks, solve problems, and address project concerns in timely and cost effective manner.

AMEC knows that ultimately the client determines "quality" and that understanding our client is the key to providing a quality product. We place a major emphasis on developing a project management team that has the proper experience and technical support to handle the client's needs. Effective communication and the development of an accurate understanding of the City's intentions and expectations will be our standard project approach for each task work assignment.



We propose to provide a single, direct point of contact, **Mr. Brian S. Hathaway, PE**, to act as the Project Manager and be responsible for corresponding directly with the respective contact from City of Fort Lauderdale. **Ms. Angela Alba, PE**, a Principal Engineer from our Miami Lakes, Florida, office will serve as an emergency, backup point of contact for the City to utilize in the event Mr. Hathaway cannot be immediately contacted.

Mr. Hathaway will meet with the City's representatives within 48 hours following receipt of a Statement of Work (SOW) or similar document, to discuss and assist in the development of the scope of work for each Task Order. With a clear understanding of the requested scope of services, Mr. Hathaway will prepare a written technical proposal that will include specific details related to the work, the organization structure of our team, identify necessary resources and equipment required to perform the work, a detailed schedule that identifies clear time tables of when field services will be performed and when technical deliverables will be submitted to the City. In

addition, our proposal will include detailed cost breakdown of the anticipated labor and testing services based on the SOW and in accordance with our negotiated rate schedule. Following acceptance of our negotiated SOW, Mr. Hathaway will assemble a technical and qualified team suited for the work details and coordinate the commencement of our services with the City's PM or designated representatives.

Following receipt of the Notice to Proceed (NTP) Mr. Hathaway will set up and assign an AMEC project identification number in our electronic cost accounting system. Our controls software allows our Project Manager to establish and track project budgets based on project specific task assignments.

Our PM will obtain and review all project specific technical documentation and construction standards, and assemble a team based on the project specific scope of services. The Project Manager and Field Service Managers, **Mr. Christopher Burroughs, PG**, and **Mr. Alexander Rojas, PE**, will meet and discuss the scope of the work and project schedule and

prepare a Project Workbook that summarizes pertinent project information such as AMEC's project team, client contact information, site location map, project budget, project task assignments, cost tracking system, project specifications, laboratory test results, and project deficiencies. The Workbooks are utilized by team members as a tool for quick reference to project specific tasks and project testing requirements.

Mr. Hathaway will assemble the project team for a kick-off meeting and will discuss the implementation of our field services and scope of work. Direct cell phone numbers of Mr. Hathaway and the Field Service Managers will be provided to the construction team in the event that AMEC personnel need to be contacted outside of standard hours of operation. An electronic daily schedule is utilized by our field service team to track project daily assignments. Our Field Services Manager coordinates and finalizes our personnel field assignments based on this schedule the evening of the preceding day. Calibrated field equipment and all necessary testing specifications are prepared and reviewed with our field service crews prior to their field assignments by our laboratory manager and technical engineers.

City Involvement

Any approach and methodology implemented for achieving project success would be particularly difficult without suitable involvement of the City's representatives. Since our PM will have an active role in the technical oversight of each Task Order, he will be able to provide the City staff with specific details of the work items and/or issues as they are occurring. Project updates and coordination will be critical, to insure that the benchmarks established by the City at project's commencement, are fully implemented and maintained.

Because AMEC has not yet worked directly under a Professional Services Contract with the City of Fort Lauderdale, the involvement of the City staff regarding the accepted procedures and standards is also critical when adapting our reporting formats to the ones that meet the City's protocols.

At AMEC, we manage more than our projects – we manage our performance. Our PM and his project team will oversee every Task Order generated by the City, from start to finish. The team will monitor performance, act as liaison between AMEC, regulators, and the City, and make certain that the City's needs are met. By establishing good communication with the City personnel, we drive successful projects and facilitate systems that keep project milestones on track, on time, and within budget.



AMEC Current Work Load

AMEC understands that the overall quality project performance is directly related to availability of staffing, future project commitments and office utilization. A key factor to providing the quality product relies on meeting construction schedules and providing services lines that are continuously available on short notice. AMEC's depth and breadth of resources and our Florida coverage area offers the City of Fort Lauderdale stability and availability to handle any size project at any time.

As previously discussed, we plan to utilize the combined resources of both our local West Palm Beach office, located at 2580 Metrocentre Blvd., Suite 6, West Palm Beach, Florida 33407, with a total staff of 20 employees, and our local Miami Lakes office, located at 5845 NW 158th St, Miami Lakes, Florida 33014, with a total staff of over 100 employees to service this contract. In addition, we plan to pull resources from our M/WBE team member RADISE with offices located in West Palm Beach and Miami, with a total staff of over 30 employees. Our standard hours of operation are from 7:00 a.m. to 5:00 p.m. Monday through Friday but can be available at the City's request outside of these standard working hours.

Currently, AMEC **does not** have resources committed to a long-term engineering consulting agreement that would prevent us from performing on this contract. We firmly believe that we can address the City's requirements with our existing staff. AMEC's WPB and Miami Lakes material testing laboratories inspected and accredited through the Florida Department of Transportation (FDOT) and the Construction Materials Engineering Council (CMEC), has the capacity to fully meet the City's Construction Materials testing needs.

All AMEC team members will be committed to this project and are available for the life of this contract on an as-needed basis. The availability of our staff will allow for the initiation and completion of any task required in a minimum amount of time. As previously discussed, AMEC is dedicated to providing exemplary services to its clients and will spare no efforts in exceeding the expectations of the City of Fort Lauderdale when completing requested Task Orders, if given the opportunity.

Methodology For Implementing/Accomplishing The Project

Our PM will have an active role in the technical oversight during each Task Order and will be able to provide the City with specific details of the work items and/or issues as they are occurring. Project updates will be provided at intervals requested by the City representatives, and our PM will also be available to make site visits and provide on-site technical assistance as needed, or requested.

Our field technicians will keep a daily construction monitoring log of the testing and construction events during each day of our field assignments. In addition to these daily events, our personnel record the time they arrive at the site and when they depart. A copy of this field form is provided to the client/representative prior to our site departure and a detailed discussion of all testing/inspection results and all deficiencies are reviewed. Daily testing and inspection monitoring documents are reviewed by the Field Services Manager within 24 hours following the completion of our field services.

All testing and inspection data is then organized into specific project files and testing/inspection reports are prepared by our clerical staff. The data reports are reviewed by Licensed Professional Engineers and signed and sealed for distribution within one week of the construction event. All testing deficiencies are reported within 24-hours following the completion of the work assignment.

Project Manager **Mr. Brian Hathaway, PE**, and his administrative assistants will prepare a hard file copy and all project documents are scanned and saved daily on our office server. AMEC utilizes an electronic data filing and recovery system for all project documents and correspondences. Invoices are generated and prepared and reviewed by Mr. Hathaway. In general, invoices are distributed monthly, or as negotiated in the proposal. Each invoice is prepared so that the individual personnel labor, date of service, and billing rate are easily accountable. In addition, we attach all project distribution reports as backup.



Quality Assurance System

Quality work is the result of well-managed efforts by quality people. The key to having quality construction work complying with the requirements of plans and specifications is having alert, knowledgeable and proactive inspection forces on the job site. A Quality Assurance and Quality Control Program will support the efforts of the people assigned to the work.

The intent of our QA/QC program is to confirm that the standard of quality specified by the City of Fort Lauderdale is achieved. The standard of quality is defined in the construction contract documents and consultant contract.

Our Program is based on the philosophy that quality is:

- Controlled by adequate planning, coordination, supervision, and technical direction; by proper definition of job requirements and procedures; and by utilization of appropriate skilled personnel
- Achieved by individuals understanding and carefully performing their work functions
- Verified by checking, reviewing, observing, and the documenting of work activities as the work is planned and executed by experienced individuals who are qualified but not directly responsible for performing the initial work activity

AMEC's Quality Program will focus on the following activities:

- Conduct pre-event meetings with AMEC, the Contractor and appropriate City personnel

- Performance of the required inspections, sampling and testing, and documentation by qualified and experienced staff (Prime and Sub-consultants)
- Review of daily inspection methods for conformance with established procedures
- Review of daily inspection reports for conformance with established checklists and contract specification requirements
- Review of sampling and testing results for conformance with contract specification requirements
- Review of completed record plans and final acceptance
- Timely communications with the contractor to resolve issues on the site and thus not involving City staff

AMEC performs internal safety and quality assurance audits at each branch office location. Our testing laboratories undergo performance checks and competency reviews from internal as well as external parties such as the Construction Materials Engineering Council (CMEC), and Florida Department of Transportation (FDOT) and United States Army Corps of Engineers (USACE).

Our field service engineering technicians are highly trained and attend certified training courses and hold certifications in their respective testing disciplines. Annual competency and proficiency reviews are performed by the senior technical managers to update our staff of recent changes in testing standards and/or field testing procedures. All our testing equipment is continually inspected and calibrated in order for our personnel to service projects and solve problems while we are in the field and on site to keep the City's construction projects on schedule and within budget.

AMEC's team is ready and capable to provide quality testing services to cover the City's geotechnical and environmental projects, evaluate earthwork construction and material compaction operations, determine compliance of material strengths during building construction and provide structural inspections, track project specification and construction documents.

Finally, all our work products are reviewed prior to distribution. All engineering recommendations and evaluations are reviewed by a Chief/Principal Engineers. **Mr. Jim Horton, P.E.** and **Dr. Les Bromwell, SE, P.E.**, will provide Independent QA Reviews and Ms. Alba and Mr. Hathaway will both have active roles in this contract and provide senior technical oversight and final technical review of all engineering recommendations and reporting.



Innovation, Technological Capabilities, and Available Resources

AMEC is one of the world's leading environmental and engineering consulting organizations. Our full-service capabilities cover a wide range of disciplines, including geotechnical engineering, materials testing and engineering, environmental engineering and science, water resources, engineering and surveying, and program management. We can draw on our experienced local managers and geographical reach to support the needs of clients, regardless of project size and complexity. AMEC's depth of global resources allows us to provide our clients with innovative solutions engineered to fit perfectly with their business challenges.

AMEC's Safety Program

AMEC has a well-developed, proven, and effective safety, health, and environmental (SHE) management system and holds safety as its core corporate value.

Training Programs

AMEC has a training program that encompasses employee health and safety training as required by OSHA, USACE, USEPA and DOT. This includes training videos and online training in 52 safety topics, and certified in-house trainers.

Integration of Safety by Management and Employees into the Workplace

AMEC integrates its Safety Program into the workplace through its management and employees. Examples include:

- AMEC performs quarterly reviews of our safety performance
- Annual salary reviews of assigned personnel include their safety performance
- Every employee has Stop Work authority for unsafe employees
- Daily safety compliance reporting in the field
- Manager reviews training levels of employees prior to each task assignment
- Task-specific safety training of work crews is required

Voluntary Protection Plan

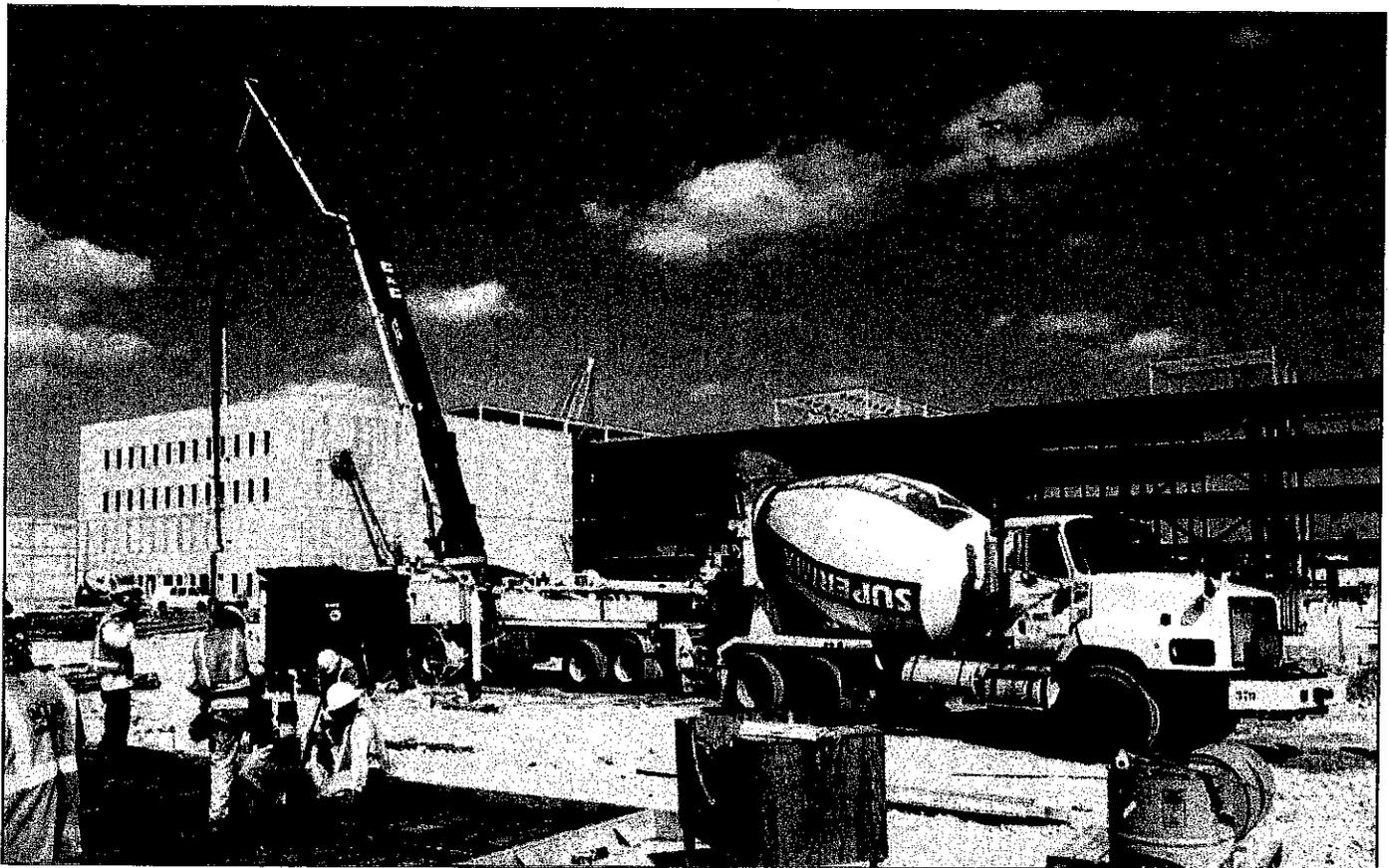
Since 2005, AMEC and OSHA have had a partnership that encourages construction employers to improve their H&S performance and eliminate the most common workplace hazards affecting the construction industry. The partnership stresses the implementation of enhanced H&S management systems, increased

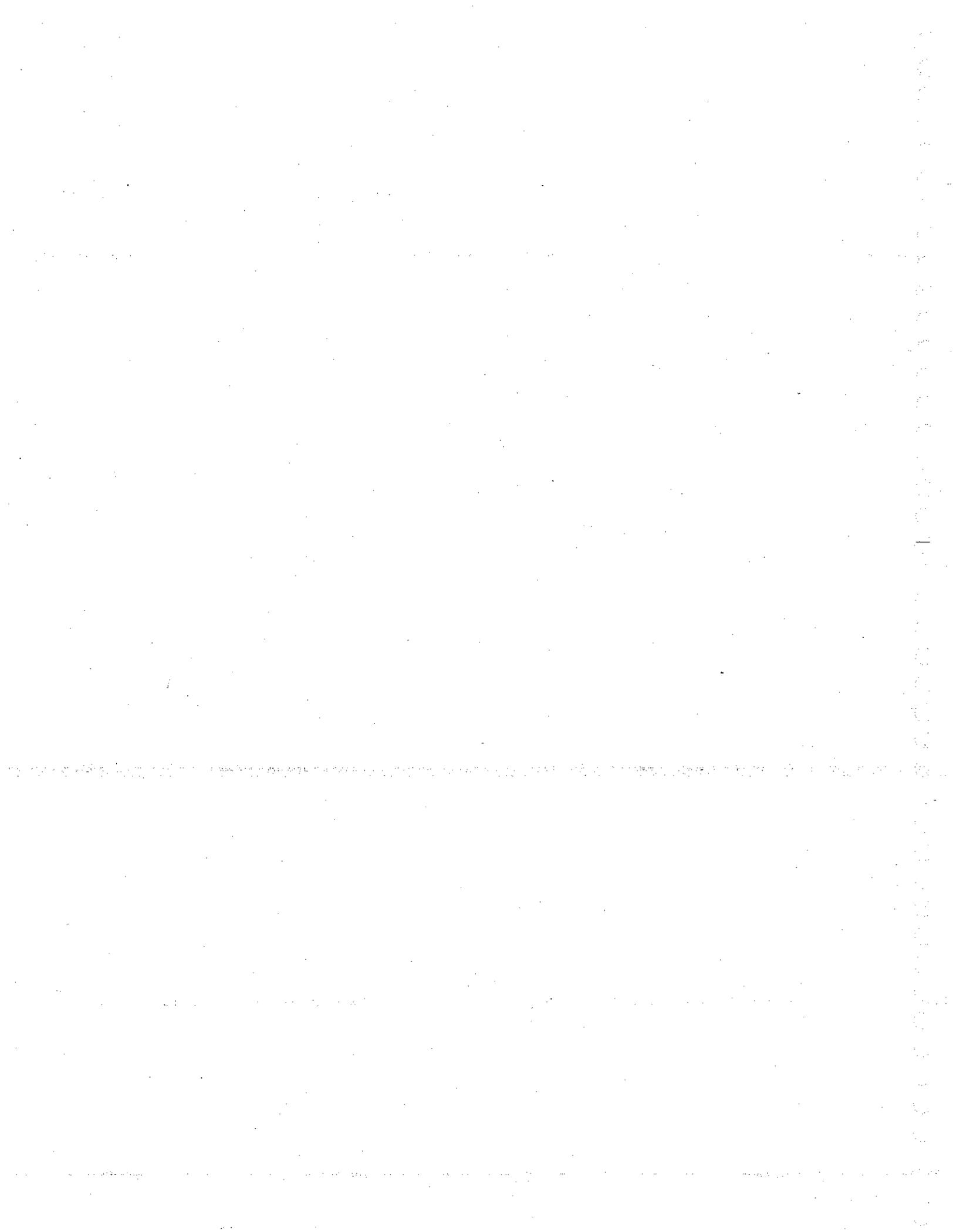
employee training, and employee involvement in daily implementation of work site H&S.

Incentive Programs

Looking beyond the success of our HSE management system, AMEC has implemented a new and innovative corporate safety program, titled "Beyond Zero," which creates a culture of safety for all personnel, including subcontractors. Beyond Zero is our vision of what we need to do and where we need to go to achieve sustainable, world-class health and safety performance throughout our global operations.

Our ambition's goal is to reduce the number of occupational injuries and illnesses to zero. In addition to our Beyond Zero Program, AMEC established our AMEC UXO Safety Board to address safety issues specific to munitions response projects. The purposes of the UXO safety program are to ensure safe practices, avoid injuries, and to establish uniform rules and procedures. Project teams fully embrace the safety culture as they are routinely rewarded by their peers, direct-line managers and our Senior Management. Certifications of recognition and "Spot" bonuses are the typical awards received.







Additional Project References

Project Name	Owner & Contact	Project Description	Project Dates/Construction Costs
Florida Water Management Construction Management Contract	South Florida Water Management District John Creswell, PE Section Leader 3301 Gumbo Road, MSC 5933 West Palm Beach, Florida 33406 561.882.2555 (x) 561.882.6201 (f) jrcreswe@swfwmd.gov	AMEC conducted with the South Florida Water Management District (SFWMD) to provide construction management, inspection, survey, environmental, and GMAI services, which included fire construction of the Lakeview Ranch Stormwater Treatment Area (STW) North and Pump Station (SS-62) projects. These projects are part of the State's Comprehensive Everglades Restoration Program (CERP), one of the largest environmental mitigation projects in the world representing a multi-billion dollar collaboration between the State of Florida and the U.S. Army Corp of Engineers. AMEC was recognized by the SFWMD for its professionalism, outstanding technical support and prompt responses during the execution of this project.	2006 to Ongoing Costs Varied Per Project. Projects were completed on time and within budget.
School District of Palm Beach County Agriello L. Garza, LEED AP BD+C Senior Projects Administrator 3661 Interstate Park Road N., Suite 200 Riviera Beach, Florida 33404 561.882.1916 (x) 561.882.1974 (f) angel.garza.1@palmbeachschools.org	Florida Department of Transportation District 4 Mickael Kim, PE District Geotechnical Engineer 14200 West St. #2 Boca Raton, Florida 33325 561.977.6300 (x) 561.471.5419 (f) mickael.kim@dot.state.fl.us	Projects consisted of performing geotechnical explorations and geotechnical engineering services including laboratory testing for the School District of Palm Beach County (SDPBC). AMEC was a prime consultant to the SDPBC. In general, AMEC was responsible for obtaining site access and coordination with School Board personnel to perform geotechnical exploration and field services on-site during normal school hours. AMEC also provided materials testing, inspection, and independent laboratory testing and was responsible for observation and inspection of field construction services and laboratory materials testing to verify that the planned new schools and additions are constructed in accordance with construction drawings and construction specifications.	2006 to 2008 Costs Varied Per Project. Projects were completed on time and within budget.
Florida Turnpike Enterprise Brad Bely, CEM/CM Financial Manager P.O. Box 8928 Ft. Lauderdale, Florida, 33310 954.934.1147 (x) 954.934.1358 (f) brad.bely@dot.state.fl.us	Florida Turnpike Enterprise District 4 Mickael Kim, PE District Geotechnical Engineer 14200 West St. #2 Boca Raton, Florida 33325 561.977.6300 (x) 561.471.5419 (f) mickael.kim@dot.state.fl.us	AMEC performed geotechnical and materials testing services under a District-wide geotechnical and materials testing contract for the Florida Department of Transportation (FDOT). District 4, AMEC performed a total of 27,756 work order assignments throughout the District's five county areas (Brevard to Indian River County) and received a "above-satisfaction" performance rating with scores greater than 4.0 out of 5.0 possible points. Various engineering, laboratory and field related services were performed under this contract.	2006 to 2008 Costs Varied Per Project. Projects were completed on time and within budget.
OTD Development LLC Roger Collins 240 East Main Street, Suite 200 Sealts Building, South Carolina, 29302 866.422.4064 (p) 863.595.8934 (f) collins@otddevelopment.com	OTD Development LLC District 4 Mickael Kim, PE District Geotechnical Engineer 14200 West St. #2 Boca Raton, Florida 33325 561.977.6300 (x) 561.471.5419 (f) mickael.kim@dot.state.fl.us	AMEC has provided various professional services through various task order assignments for the Florida Turnpike Enterprise (FTE), including geotechnical engineering, construction material testing, asphalt plant verification, and field inspection/instrumentation services consisting of pile driving analyzer (PDA) and seismograph-vibration monitoring during the Florida's Turnpike bridge and roadway widening and corridor improvement projects statewide. Geotechnical services consisted of the performance of PDA testing and the determination and verification of foundation pile capacity during test pile installation programs and production pile driving operations. In addition, AMEC has provided property condition surveys and provided seismograph vibration monitoring services to record ground vibrations during various construction activities that include installation of driven piling, sheet piling, drilled shaft casing, and roadway construction services to determine the disturbance levels at adjacent residential and commercial structures.	2006 to 2008 Costs Varied Per Project. Projects were completed on time and within budget.

For several years AMEC has provided engineering and consulting services to OTD Development, LLC for the evaluation and inspection of multiple hotel sites throughout Florida. Projects included Dania Beach Hotel Site, where AMEC performed geotechnical explorations and engineering design services for the site development for a 10-acre site and support for the lobby hospitality structures. The project site required various ground improvement methods as well as the site was pre-constructed and addressed with soil waste and construction debris. AMEC provided QA/QC inspections during deep dynamic compaction, vibratory replacement stone columns and compaction grouting. During construction AMEC performed construction materials testing, and provided structural inspections as the trusted agent for the City of Dania Beach.

References

RFQ No. 636-11225
May 29, 2013



MBE/WBE Utilization

For this contract, AMEC is teaming with RADISE International, LC an MBE firm. RADISE specializes in geotechnical engineering, construction materials testing, consulting and threshold inspection services, and will support AMEC in providing these services for the City of Fort Lauderdale.

AMEC has a history of teaming with various specialty subconsultants. In fact, the executives at AMEC encourage the use of MBE/WBE firms whenever possible as a means of establishing and maintaining healthy working relationships. Our strategy is always to build the best possible team in an effort to fully satisfy the needs of our client.

For decades, AMEC has worked with a number of minority or disadvantaged certified firms; some of which have been very conscientious of their work product and others that were not. This time

has allowed us an opportunity to evaluate the performance of each firm. It has also provided us the chance to build a solid working relationship with a select number of highly qualified and very responsive firms. AMEC routinely calls on our ally subconsultant firms to assist us in various engineering endeavors. We also call on these firms to provide third party peer review or quality assurance reviews where necessary.

It is interesting to note that most of the disadvantaged firms are utilized by AMEC regardless of the selection criteria and/or contractual requirements. This speaks highly of the level of service we have come to expect from our partners. The bottom line – the City of Fort Lauderdale will be relying on AMEC to provide exceptional client service, and therefore, it is our responsibility to have subconsultants in place that we can fully rely upon to provide the same high quality work products in a timely fashion.



State of Florida
*Minority, Women &
Service-Disabled Veteran*
Business Certification

Radise International, Llc

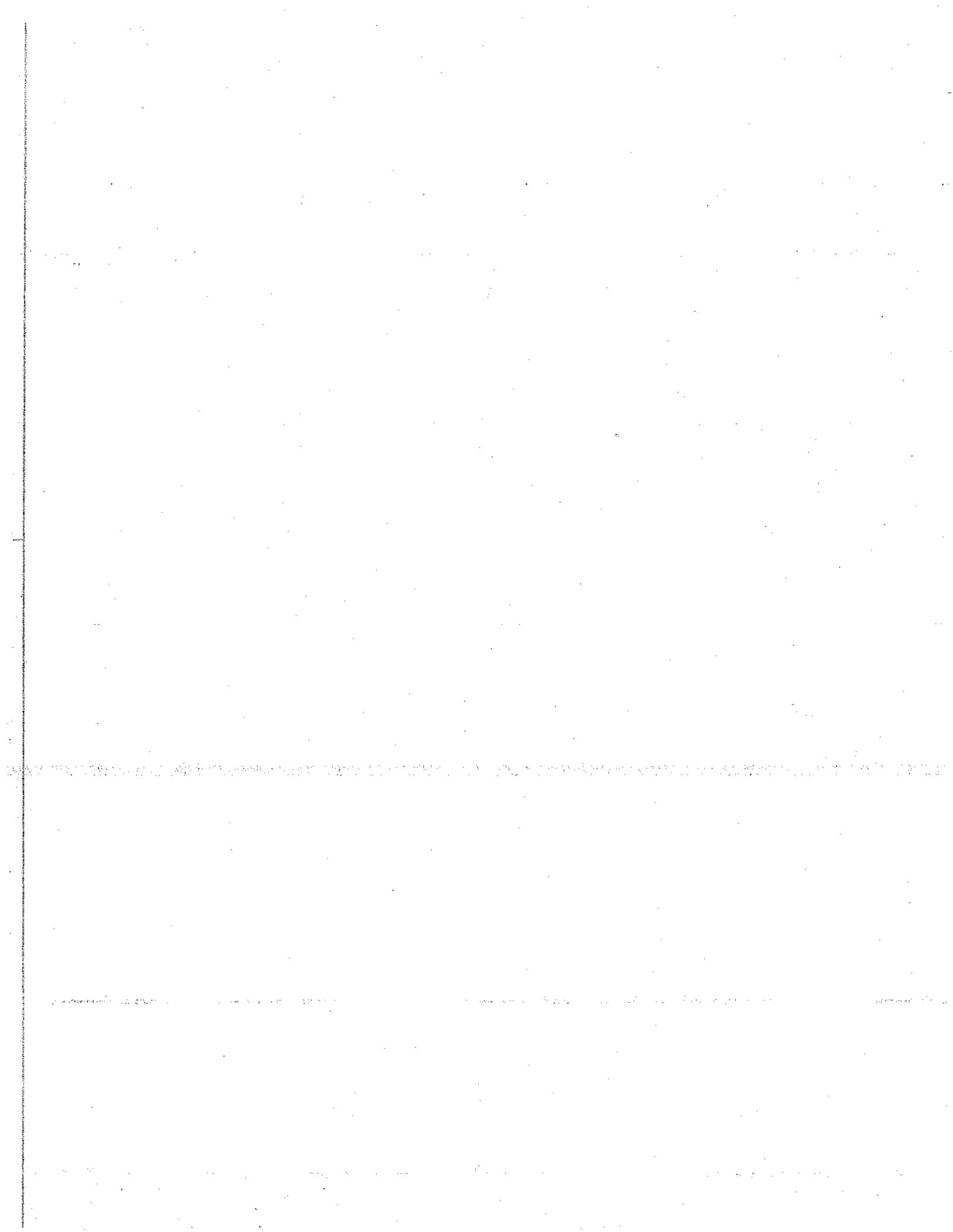
Is certified under the provisions of
287 and 295.187, Florida Statutes for a period from:

John P Miles 09/09/2011 to 09/09/2013

John P Miles, Secretary

Florida Department of Management Services
Office of Supplier Diversity

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399-0950 • 850.487.0915 • www.osd.dms.state.fl.us





CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
04/22/2013

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).

PRODUCER Aon Risk Services Northeast, Inc. Morristown NJ Office 44 Whippany Road, Suite 220 Morristown NJ 07960 USA	CONTACT NAME: PHONE (A/C No. Ext): (866) 283-7122 FAX (A/C No.): 800-363-0105	
	E-MAIL ADDRESS:	
INSURED AMEC Environment & Infrastructure, Inc. 1105 Lakewood Pkwy, Suite 300 Alpharetta GA 30009 USA	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Allianz Global Risks US Insurance Co.	NAIC # 35300
	INSURER B: Zurich American Ins Co	NAIC # 16535
	INSURER C: American Zurich Ins Co	NAIC # 40142
	INSURER D: ACE American Insurance Company	NAIC # 22667
	INSURER E:	

Holder Identifier:

COVERAGES CERTIFICATE NUMBER: 570049689082 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. Limits shown are as requested

INSUR	TYPE OF INSURANCE	ADDL INSR	SUBR VVO	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
D	GENERAL LIABILITY <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 checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC			G24553401	05/01/2013	05/01/2014	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			BAP 9483148-02	05/01/2013	05/01/2014	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
D	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION			X00G27238671	05/01/2013	05/01/2014	EACH OCCURRENCE \$2,000,000 AGGREGATE \$2,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC350486612	05/01/2013	05/01/2014	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000
B	Archit&Eng Prof			EOC938357805 SIR applies per policy terms & conditions	05/01/2013	05/01/2014	Any one Claim/Aggre \$1,000,000

Certificate No.: 570049689082

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

Evidence of Insurance.

CERTIFICATE HOLDER

CANCELLATION

AMEC Environment & Infrastructure, Inc
1105 Lakewood Pkwy, Suite 300
Alpharetta GA 30009 USA

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

Aon Risk Services Northeast, Inc.

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ACORD 25 (2010/05)

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Sample Insurance Certificate



CERTIFICATE OF LIABILITY INSURANCE

RADINT-01 DCHARRON

DATE (MM/DD/YYYY)
3/22/2013

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PRODUCER Collinsworth, Alter, Lambert, LLC 23 Eganfuskee Street Suite 102 Jupiter, FL 33477	CONTACT NAME: Dianthe Charron	
	PHONE (A/C No. Excl): (561) 776-9001 FAX (A/C No.): (561) 427-6730 E-MAIL ADDRESS: dcharron@caillc.com	
INSURED RADISE International, LC 4152 West Blue Heron Boulevard Suite 228 Riviera Beach, FL 33404	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: FCC Insurance Company	10178
	INSURER B: FCC Commercial Insurance Co	33472
	INSURER C: Commerce & Industry Ins Co	
	INSURER D: Hudson Specialty Insurance	
	INSURER E: INSURER F:	

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.

INSTR LTR	TYPE OF INSURANCE	ADDITIONAL INSURER	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC		GL0013520	3/22/2013	3/22/2014	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	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		CA0018025	3/22/2013	3/22/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTIONS		EBU020751112	3/22/2013	3/22/2014	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	001WC12A66400	3/22/2013	3/22/2014	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <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
D	<input checked="" type="checkbox"/> Professional Liab <input checked="" type="checkbox"/> Pollution Liab		ESB3023161201 ESB3023161201	3/22/2013 3/22/2013	3/22/2014 3/22/2014	Claims Made 2,000,000 Limit 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Certificate holder is named as additional insured including products and completed operations for general liability per CGL084, auto liability and umbrella liability when required by written contract. General Liability is primary and non-contributory when required by written contract. Waiver of subrogation applies to general liability, auto liability, umbrella, and workers' compensation for the certificate holders when required by written contract. Umbrella extends over general liability, auto liability and employer's liability. Cancellation applies as per policy terms, conditions and exclusions.

CERTIFICATE HOLDER	CANCELLATION
RADISE International LC 4152 West Blue Heron Boulevard Suite 228 Riviera Beach, FL 33404	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 

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ACORD 25 (2010/05)

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Client#: 10661 FOUNGEO3
ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
 6/21/2013

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).

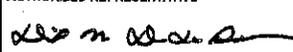
PRODUCER SunCoast Insurance, div of USI 1715 N. Westshore Blvd. #700 Tampa, FL 33607 813 321-7500	CONTACT NAME: PHONE (A/C, No, Ext): 813 321-7500 FAX (A/C, No): 813 321-7525 E-MAIL ADDRESS: PRODUCER CUSTOMER ID #:														
INSURED Foundation & Geotechnical Engineering, L.L.C. 608 Hitchcock Street Plant City, FL 33563	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Phoenix Insurance Company</td> <td>25623</td> </tr> <tr> <td>INSURER B: Travelers Indemnity Company</td> <td>25658</td> </tr> <tr> <td>INSURER C: Travelers Casualty & Surety Co</td> <td>31194</td> </tr> <tr> <td>INSURER D: Hudson Insurance Company</td> <td>26054</td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Phoenix Insurance Company	25623	INSURER B: Travelers Indemnity Company	25658	INSURER C: Travelers Casualty & Surety Co	31194	INSURER D: Hudson Insurance Company	26054	INSURER E:		INSURER F:	
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COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <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		6805279L240	10/05/2012	10/05/2013	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COM/POF AGG \$4,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		BA1A045035	05/24/2013	05/24/2014	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 10000		CUP3765T537	10/05/2012	10/05/2013	EACH OCCURRENCE \$1,000,000 AGGREGATE \$1,000,000 \$ \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NJ) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	UB5447Y493	01/17/2013	01/17/2014	<input checked="" type="checkbox"/> IWC STATU-TORY LIMITS <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
D	Professional Liability		AEE72207074	09/03/2012	09/03/2013	\$1,000,000 per claim \$1,000,000 annt aggr.

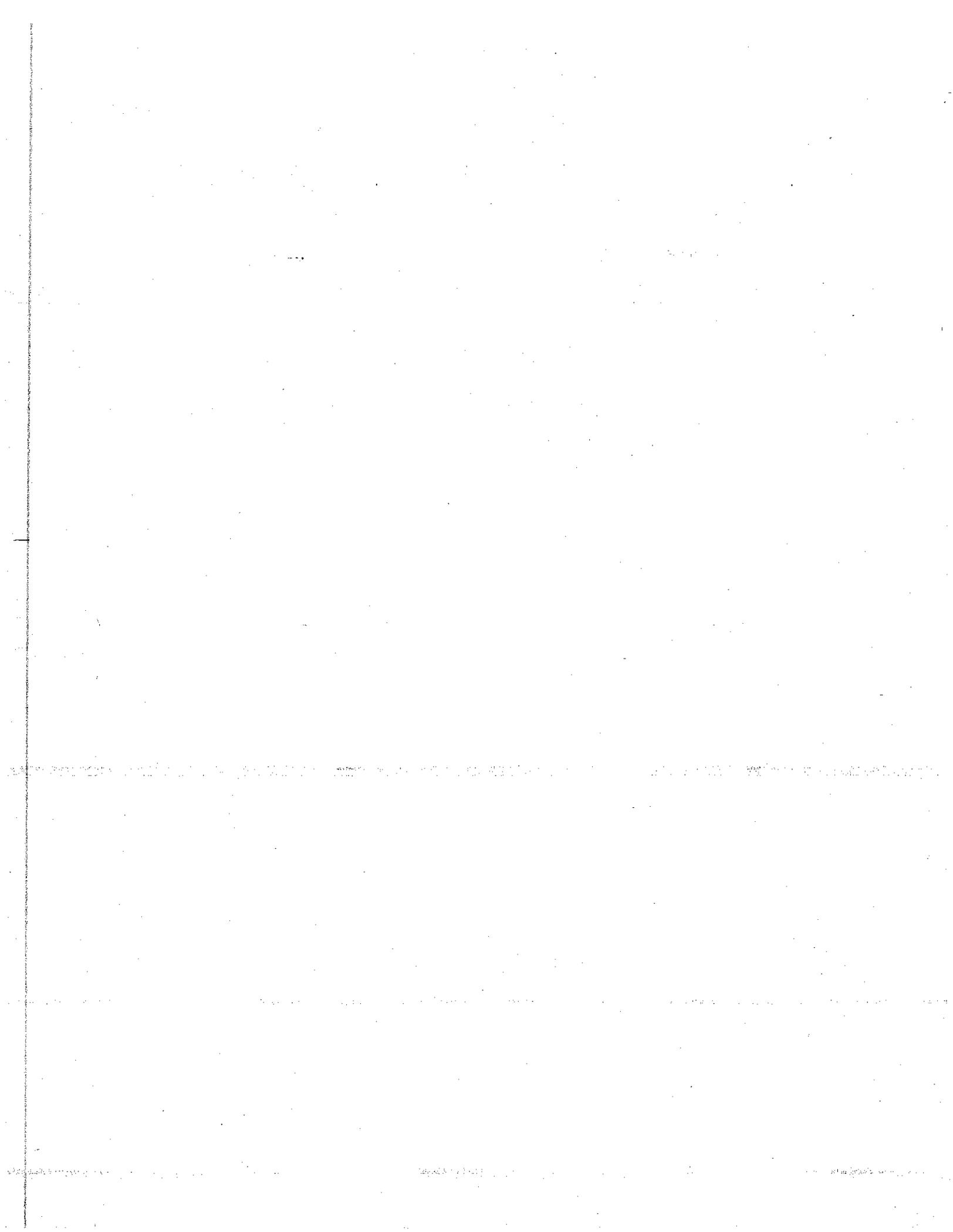
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Professional Liability coverage is written on a claims-made and reported basis.
 AMEC and Client are included as additional insureds for General, Auto and Excess. The waiver of subrogation is in favor of both AMEC and Client for General, Auto, Excess and Workers Compensation.

CERTIFICATE HOLDER AMEC Environment & Infrastructure, Inc. 1105 Lakewood Parkway Suite 300 Alpharetta, GA 30009	CANCELLATION 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 
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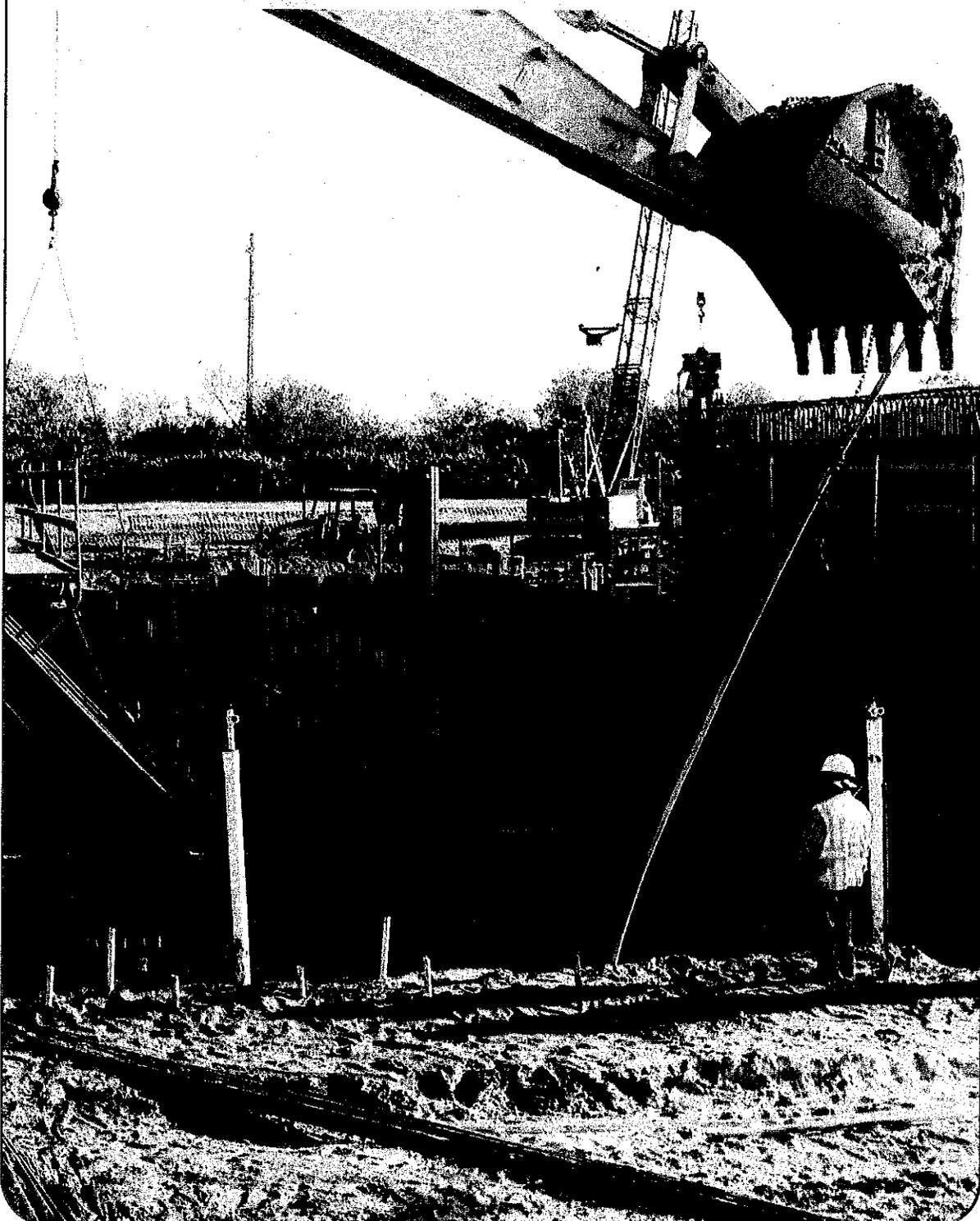
ACORD 25 (2009/09) 1 of 1 The ACORD name and logo are registered marks of ACORD
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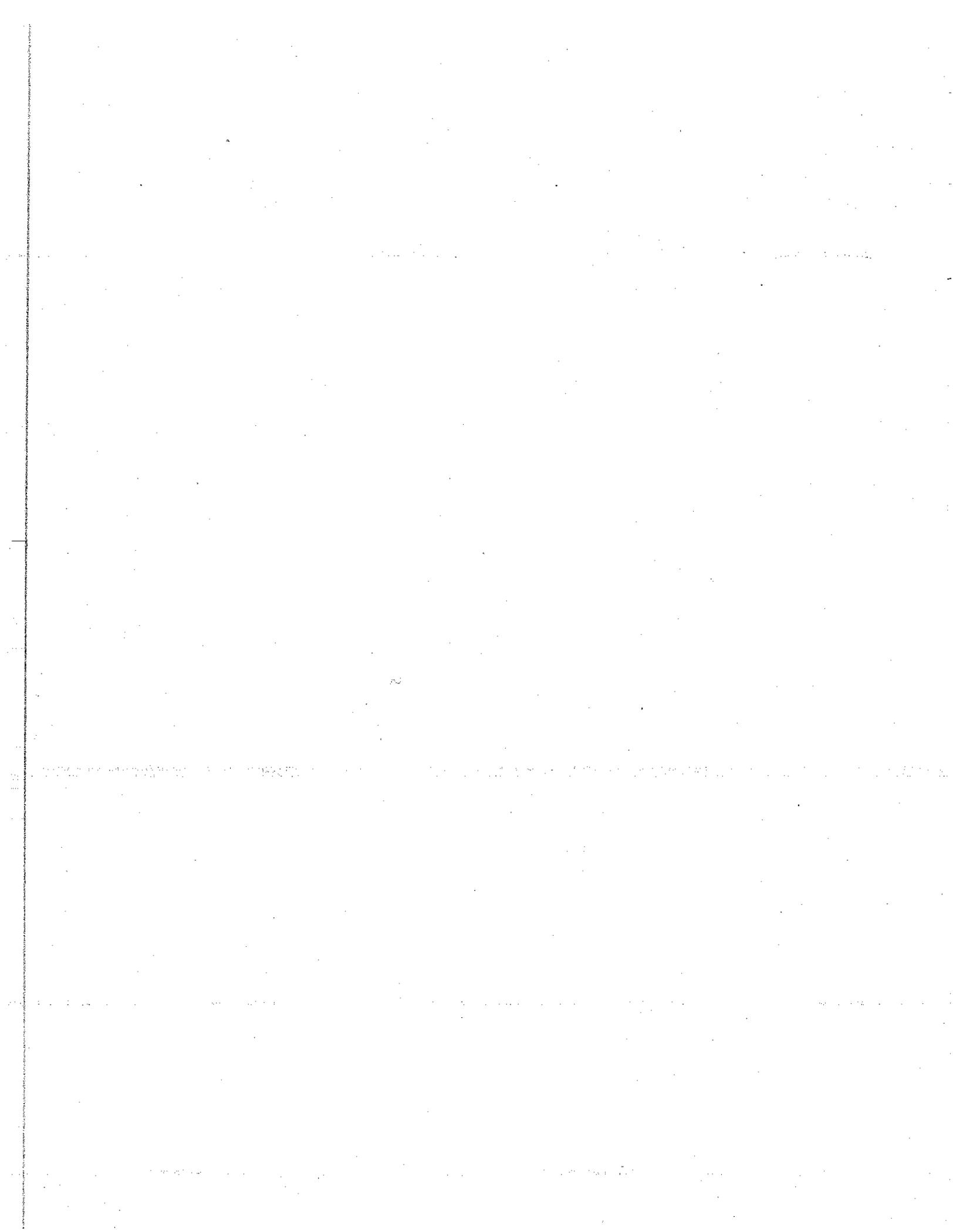
MRL



Joint Ventures

AMEC is not involved in a joint ventures for the City of Fort Lauderdale Geotechnical Engineering and Laboratory Testing Services proposal.







AMEC has teamed with **Foundation & Geotechnical Engineering, LLC (FGE)** to provide specialty non-destructive testing (NDT) services on deep foundation elements: PDA/EDC Testing, PIT, CSL, and TIP and **RADISE International, LC, (RADISE)** as a combined resource for geotechnical engineering design and drilling assistance. RADISE is a Florida Certified Disadvantaged Business Enterprise firm.

FGE offers complete foundation engineering and testing services for design and construction of foundations. Its staff has more than 100 years of combined experience in the geotechnical field. For the City of Fort Lauderdale opportunity, the AMEC team includes **Mr. Christopher Lewis, PE, Mr. Gray Mullins, PhD, PE, and Mr. Lawrence Spears, PE**, all of whom have local knowledge as a result of projects completed within Broward County and South Florida.



FGE specializes in deep foundation design and testing, and also offers a vast range of experience in providing geotechnical engineering and testing services for transportation facilities, roadways, bridges, and private and commercial development.

Located in Plant City, Florida, FGE is an innovative company in the areas of deep foundation design, capacity enhancement, rehabilitation/remediation and quality assurance/verification testing. The experience gained as practitioners has driven the development of new geotechnical tools for the firm, including: thermal integrity profiling (U.S. Patent 6,783,273), down-hole lateral motion sensor (U.S. Patent 6,386,043), end Bearing enhancement of drilled shafts (U.S. Patent 7,651,302), underwater repair of corrosion damaged piles (U.S. Patent 7,871,483), voided drilled shafts (patent pending) and specialized rapid load test equipment (ASTM D7383).

RADISE is a geotechnical and materials engineering and testing firm servicing a broad spectrum of industries and specializing in geotechnical engineering, construction materials testing, consulting and threshold inspection services for over 15 years.



Along with providing drilling assistance for the AMEC team, RADISE staff, including **Mr. Kumar Alladay, PE, Mr. Sastry Putcha, PhD, PE, and Mr. Gregory J. Stelmack**, will support the project team in geotechnical engineering design.

RADISE has extensive experience providing professional engineering services throughout South Florida, including projects for Broward, Palm Beach, and Miami Dade Counties, South Florida Water Management District, Florida Department of Transportation, the School Boards of Palm Beach, Broward and Miami Dade Counties, and the Cities of West Palm Beach, Fort Lauderdale, and Miami Beach.

With corporate headquarters in Riviera Beach, Florida, RADISE possesses a state-of-the-art laboratory that is fully equipped for the testing of soils and other construction materials.

BROWARD COUNTY
OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
 Governmental Center Annex
 170 S. Andrews Avenue, Room AG63 • Fort Lauderdale, Florida 33301
 954-367-4200 • FAX 954-337-5874 • TTY 954-357-5561

November 5, 2012

Mr. Kumar Alladay
RADISE INTERNATIONAL, L.C.
 4152 West Blue Heron Blvd., Suite 228
 Riviera Beach, Florida 33404

ANNIVERSARY DATE – Annually, on October 21st

Dear Mr. Alladay:

Broward County is pleased to announce that Radise International, L.C. has renewed its certification as an Airport Concessions Disadvantaged Business Enterprise (ACDBE) and a Disadvantaged Business Enterprise (DBE) in Florida, under a Unified Certification Program (UCP) in accordance with 49 CFR, PART 23 and PART 26.

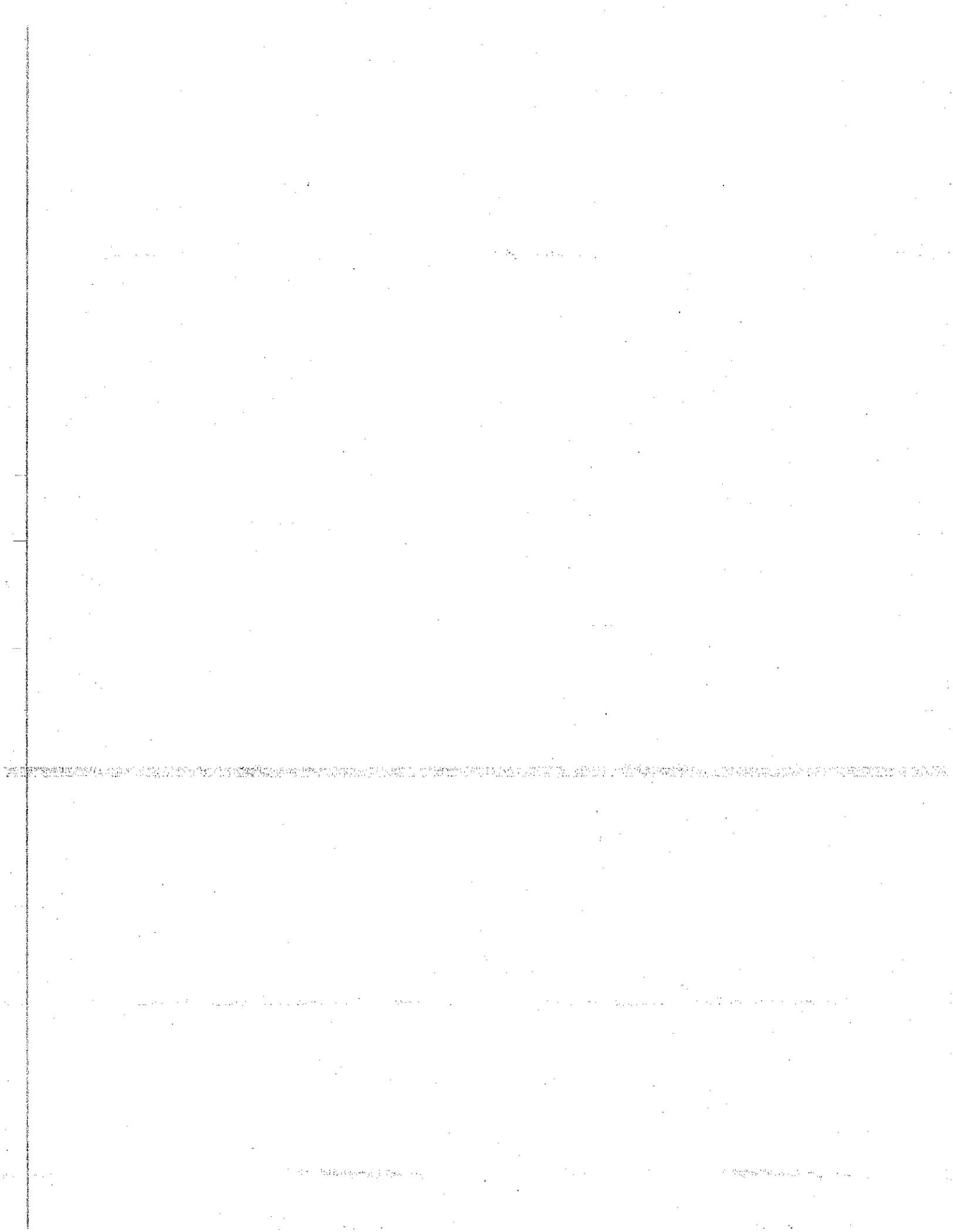
ACDBE and DBE certification is continuing from your anniversary date, but is contingent upon Radise International, L.C. renewing its eligibility annually through this office, Office of Economic and Small Business Development (OESBD). OESBD will notify you in advance of your obligation to provide continuing eligibility documents; however, to ensure continued certification is your responsibility. Failure to continue your eligibility will result in immediate action to remove Radise International, L.C. as a DBE/ACDBE.

Radise International, L.C. will be listed in Florida's UCP DBE Directory which can be accessed via the internet, at <http://www3.dca.state.fl.us/EconomicOpportunity/Office/UCP.html> or through FDOT's website at <http://www.dot.state.fl.us/EqualOpportunity/office> and by "clicking" on "BizNet DBE UCP Directory" in the center of the page.

As long as Radise International, L.C. is listed in the DBE Directory, it is considered DBE/ACDBE Certified by all Florida UCP Members.

ACDBE and DBE Certification are subject to actions by governmental agencies impacting the disadvantaged status of Radise International, L.C.

Broward County Board of County Commissioners
 Tom Givensberger • Edna Y.C. Hennes • Kristen J. Jones • Chip LaMarche • Holly L. Loughran • Stacy Roper • John S. Robinson, Jr. • Barbara Starnes • Luis Sotelo
 New Broward.org





NON-COLLUSION STATEMENT:

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

<u>NAME</u>	<u>RELATIONSHIPS</u>
N/A	
_____	_____
_____	_____
_____	_____
_____	_____

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

AMEC Environment & Infrastructure, Inc., certifies that this offer is made independently and free from collusion.


Signature

05/29/2013
Date

