

**SUPPLEMENTAL AGREEMENT NO. 1**  
**TO CONTRACT FOR PROFESSIONAL SERVICES**  
**BETWEEN THE CITY OF FOLEY**  
**AND VOLKERT, INC.**

THIS SUPPLEMENTAL AGREEMENT, made and entered into this the \_\_\_\_ day of \_\_\_\_\_, 2015, by and between the City Foley, 407 East Laurel Avenue, Foley, AL 36535 (hereinafter called the OWNER), and Volkert, Inc., 3809 Moffett Road, Mobile, AL 36618 (hereinafter called the CONSULTANT);

WITNESSETH, THAT:

WHEREAS, the Owner and the Consultant entered into an Agreement on the 17<sup>th</sup> day of April, 2015 (Original Contract) whereby the Consultant is to provide all necessary professional services associated with improvements to the Foley Municipal Airport, Foley, Alabama all as more specifically set forth in said Agreement, and

WHEREAS, the Owner now desires to proceed with professional services to accomplish the following Airport improvement project:

***Airport Drainage Improvements***

WHEREAS, the Consultant is agreeable to completing the required work for fees that are acceptable to the Owner and in accordance with the latest requirements of the FAA and State of Alabama for State funding of projects, and

NOW THEREFORE, it is hereby agreed between the parties hereto that the Original Contract be supplemented as follows:

**SECTION I.        BASIC SERVICES**

The Engineer shall furnish and perform basic services as appropriate, as described in the General Provisions in the original contract and made a part of hereof for the following described project:

The project includes drainage improvements identified as "critical structures" and "needs improvement structures" in the Airport Drainage Study, dated February 23, 2015 prepared by Volkert, Inc. The project will include pipe and headwall replacement for approximately thirty (30) drainage structures, relining one (1) drainage structure, and grading/seed/sod in the air operations area. Portions of the asphalt taxiway will be removed and replaced as part of the project.

The scope of services will include a preliminary phase, design phase, bid phase, and construction phase. Special services will include Geotechnical Investigation and Construction Material Testing, Survey, Construction Observation, and FAA Documentation.

## **SECTION II. SPECIAL SERVICES**

### **Construction Material Testing:**

Provide Geotechnical Investigation and Construction Materials Testing Services by subconsultant at the rates established in the attached Attachment "A", and hourly rates for Engineer's services as specified below in Section III, Method of Payment.

### **Survey:**

Provide field survey for establishing survey control monuments for this project.

### **Construction Observation:**

Provide observation of construction by a Resident Project Representative (RPR) as outlined in the General Provisions.

### **FAA Documentation:**

Provide services to complete and submit standard FAA required documentation associated with the AIP grant program as described in the attached Attachment "A".

Provide the Owner with assistance during bid and construction phases as requested at the rates established in Attachment "A" and hourly rates for services as specified below in Section III, Method of Payment.

## **SECTION III. METHOD OF PAYMENT**

The Consultant agrees to provide all services included in Section I, Basic Services, of this Supplemental Agreement at the lump sum amount of Thirty Eight Thousand Three Hundred Twenty Five Dollars and Twenty Eight Cents (\$38,325.28) as summarized in Attachment "A".

For all work associated with Special Services included in Section II, the Engineer will be compensated a fee consisting of direct salary as defined herein, plus Current ALDOT audited rate for overhead, plus out-of-pocket expenses, plus profit at ten percent (10%) at the not to exceed amount of Fifty Five Thousand Four Hundred Forty Nine Dollars and Three Cents (\$55,449.03) as summarized in Attachment "A".

Direct salary is actual salary paid to each employee.

In addition to compensation computed above, reimbursement of actual cost shall be made for travel, subsistence, telephone, printing costs and other general out-of-pocket expenses required specifically for the contract.

The Owner will pay the Engineer for special services performed by subconsultants at the actual invoice amount. Consultant's time for assisting and coordinating the subconsultants' services will be billed as special services.

All work encompassed herein shall be accomplished in accordance with the requirements of the aforesaid Original Contract, and all requirements of said Agreement except as specifically modified by this Supplemental Agreement, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Supplemental Agreement on the day and year first above written.

**CITY OF FOLEY**

Attest: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

Name: John E. Koniar  
Title: Mayor

Federal Employer ID # (Corporation): \_\_\_\_\_

Social Security # (Individual): \_\_\_\_\_

**VOLKERT, INC.**

Attest: Margaret Hancken  
Name: Margaret Hancken  
Title: Asst. Controller / Secretary

DM  
Name: David M. Webber, Sr. V.P /  
Title: COO Gulf Design Region

**ATTACHMENT A**

**ENGINEERING FEE PROPOSAL**

**FOR**

**PROFESSIONAL SERVICES**

**FOR THE**

**AIRPORT DRAINAGE IMPROVEMENTS**

**AT**

**FOLEY MUNICIPAL AIRPORT**  
**FOLEY, AL**

**FOR THE**

**CITY OF FOLEY**

**MAY 2015**

By

**VOLKERT**

## INDEX

| <b><u>DESCRIPTION</u></b>                                      | <b><u>SHEET NUMBER</u></b> |
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| Summary of Estimated Engineering Cost (Special Services) ..... | 3                          |
| Summary of Estimated Construction Cost .....                   | 3                          |
| Summary of Project Cost                                        |                            |
| Project: Airport Drainage Improvements .....                   | 4                          |

**SUMMARY OF ESTIMATED ENGINEERING COST  
BASIC SERVICES**

Airport Drainage Improvements..... \$38,325.28 LS

**SUMMARY OF ESTIMATED ENGINEERING COST  
SPECIAL SERVICES**

Airport Drainage Improvements..... \$55,449.03 NTE

**SUMMARY OF ESTIMATED CONSTRUCTION COST**

Airport Drainage Improvements..... \$400,000.00

## SUMMARY OF PROJECT COST

### PROJECT: AIRPORT DRAINAGE IMPROVEMENTS

#### PROJECT DESCRIPTION

The proposed project will include drainage improvements identified as "critical structures" and "needs improvement structures" in the Airport Drainage Study, dated February 23, 2015 prepared by Volkert, Inc. The project will include pipe and headwall replacement for approximately thirty (30) drainage structures, relining one (1) drainage structure, and grading/seed/sod in the air operations area. Portions of the asphalt taxiway will be removed and replaced as part of the project.

The scope of services will include a preliminary phase, design phase, bid phase, and construction phase. Special services will include Geotechnical Investigation and Construction Material Testing, Survey, Construction Observation, and FAA Documentation.

#### BASIC SERVICES

|                              |                |
|------------------------------|----------------|
| (1) Preliminary Phase.....   | \$1,837.48     |
| (2) Design Phase .....       | \$22,302.16    |
| (3) Bid Phase .....          | \$3,192.65     |
| (4) Construction Phase ..... | \$10,992.99    |
| Sub-Total .....              | \$38,325.28 LS |

#### SPECIAL SERVICES

|                                     |                    |
|-------------------------------------|--------------------|
| (1) Construction Material Testing   |                    |
| (a) Terracon Consultants, Inc. .... | \$11,200.00 NTE    |
| (b) Volkert, Inc. ....              | \$560.00           |
| (2) Survey                          |                    |
| (a) Volkert, Inc. ....              | \$5,856.25 NTE     |
| (3) Construction Observation        |                    |
| (a) Volkert, Inc. ....              | \$31,862.18 NTE    |
| (4) FAA Documentation               |                    |
| (a) Volkert, Inc. ....              | \$5,970.60 NTE     |
| Sub-Total .....                     | \$55,449.03        |
| <b>Total Project .....</b>          | <b>\$93,774.31</b> |

LS = Lump Sum  
NTE = Not to Exceed

## MAN HOUR ESTIMATE FOR BASIC SERVICES

### PROJECT: AIRPORT DRAINAGE IMPROVEMENTS

| <b>A. Preliminary Phase</b> | <b>Project Mgr</b> | <b>Staff 2 Prof</b> | <b>Staff 1 Prof</b> | <b>Tech</b> |
|-----------------------------|--------------------|---------------------|---------------------|-------------|
| 1. Pre-Design Meeting       |                    | 3                   | 4                   |             |
| 2. Site Investigation       |                    | 2                   | 2                   |             |
| 3. Scope Development        | 2                  | 4                   |                     |             |
| <b>Total</b>                | <b>2</b>           | <b>9</b>            | <b>6</b>            | <b>0</b>    |

| <b>B. Design Phase</b>                   | <b>Project Mgr</b> | <b>Staff 2 Prof</b> | <b>Staff 1 Prof</b> | <b>Tech</b> |
|------------------------------------------|--------------------|---------------------|---------------------|-------------|
| 1. Plan Assembly - General (5 Sheets)    |                    | 2                   | 2                   | 4           |
| 2. Plan Assembly - Safety (3 Sheets)     | 2                  | 4                   | 8                   | 8           |
| 3. Plan Assembly - Civil (7 Sheets)      | 8                  | 24                  | 32                  | 32          |
| 4. Specifications - General              | 1                  | 4                   | 4                   |             |
| 5. Specifications - Contract Documents   | 1                  | 4                   | 4                   |             |
| 6. Specifications - Technical            | 1                  | 6                   | 12                  |             |
| 7. Engineer's Report                     | 1                  | 2                   | 4                   | 8           |
| 8. QA/QC Documents & Reviews             | 2                  | 2                   |                     |             |
| 9. Review/Check / Field Reviews          | 2                  | 2                   |                     |             |
| 10. Review Meetings (2-50% & 90% Review) | 4                  | 8                   | 8                   | 4           |
| 11. Administration/Reports/ Meetings     | 2                  | 2                   |                     |             |
| <b>Total</b>                             | <b>24</b>          | <b>60</b>           | <b>74</b>           | <b>56</b>   |

**MAN HOUR ESTIMATE FOR BASIC SERVICES (Cont'd.)**

**PROJECT: AIRPORT DRAINAGE IMPROVEMENTS**

| <b>C. Bid Phase</b>                  | <b>Project Mgr</b> | <b>Staff 2 Prof</b> | <b>Staff 1 Prof</b> | <b>Tech</b> |
|--------------------------------------|--------------------|---------------------|---------------------|-------------|
| 1. Advertise & Secure Bids           |                    | 2                   |                     |             |
| 2. Pre-Bid Meeting                   |                    | 4                   | 6                   |             |
| 3. Questions / Addendums             | 1                  | 8                   | 4                   | 4           |
| 4. Bid Opening                       | 3                  |                     |                     |             |
| 5. Bid Evaluation and Recommendation | 2                  |                     |                     |             |
| <b>Total</b>                         | <b>6</b>           | <b>14</b>           | <b>10</b>           | <b>4</b>    |

| <b>D. Construction Phase (3 Months)</b> | <b>Project Mgr</b> | <b>Staff 2 Prof</b> | <b>Staff 1 Prof</b> | <b>Tech</b> |
|-----------------------------------------|--------------------|---------------------|---------------------|-------------|
| 1. Prepare Contract/Print Documents     | 2                  | 8                   | 4                   | 4           |
| 2. Pre-Construction Meeting             | 4                  | 4                   |                     |             |
| 3. Periodic Site Visit (6 visits)       | 6                  | 18                  | 12                  |             |
| 4. Review Shop Drawings                 |                    | 12                  | 8                   |             |
| 5. Admin./Meetings                      | 2                  |                     |                     |             |
| 6. Report(s)/Pay Estimates              | 3                  |                     |                     |             |
| 7. Final Inspection                     |                    | 4                   |                     |             |
| 8. Record Drawings                      |                    |                     | 4                   | 4           |
| <b>Total</b>                            | <b>17</b>          | <b>46</b>           | <b>28</b>           | <b>8</b>    |

# **COST ESTIMATE FOR BASIC SERVICES**

## **PROJECT: AIRPORT DRAINAGE IMPROVEMENTS**

| <b>A. Preliminary Phase</b>           | <b>Hours</b> | <b>Rate</b> | <b>Cost</b>       |
|---------------------------------------|--------------|-------------|-------------------|
| Project Mgr                           | 2            | \$54.33     | \$108.66          |
| Staff 2 Prof                          | 9            | \$38.59     | \$347.31          |
| Staff 1 Prof                          | 6            | \$28.88     | \$173.28          |
| Technician                            | 0            | \$37.49     | \$0.00            |
| <b>Total Direct Labor</b>             |              |             | <b>\$629.25</b>   |
| Combined Overhead                     |              | 145.23%     | \$913.86          |
| <b>Out of Pocket</b>                  |              |             |                   |
| Mileage - 1 trip @ 92 mi @ \$0.575/mi |              | \$52.90     |                   |
| <b>Total Out of Pocket</b>            |              |             | <b>\$52.90</b>    |
| <b>Sub-Total</b>                      |              |             | <b>\$1,596.01</b> |
| Operating Margin                      |              | 15%         | \$239.40          |
| FCCM                                  |              | 0.328%      | \$2.06            |
| <b>Total Preliminary Phase</b>        |              |             | <b>\$1,837.48</b> |

LS

| <b>B. Design Phase</b>                 | <b>Hours</b> | <b>Rate</b> | <b>Cost</b>        |
|----------------------------------------|--------------|-------------|--------------------|
| Project Mgr                            | 24           | \$54.33     | \$1,303.92         |
| Staff 2 Prof                           | 60           | \$38.59     | \$2,315.40         |
| Staff 1 Prof                           | 74           | \$28.88     | \$2,137.12         |
| Technician                             | 56           | \$37.49     | \$2,099.44         |
| <b>Total Direct Labor</b>              |              |             | <b>\$7,855.88</b>  |
| Combined Overhead                      |              | 145.23%     | \$11,409.09        |
| <b>Out of Pocket</b>                   |              |             |                    |
| Mileage - 2 tripS @ 92 mi @ \$0.575/mi |              | \$105.80    |                    |
| <b>Total Out of Pocket</b>             |              |             | <b>\$105.80</b>    |
| <b>Sub-Total</b>                       |              |             | <b>\$19,370.77</b> |
| Operating Margin                       |              | 15%         | \$2,905.62         |
| FCCM                                   |              | 0.328%      | \$25.77            |
| <b>Total Design Phase</b>              |              |             | <b>\$22,302.16</b> |

LS

**COST ESTIMATE FOR BASIC SERVICES (Cont'd.)**

**PROJECT: AIRPORT DRAINAGE IMPROVEMENTS**

| <b>C. Bid Phase</b>                    | <b>Hours</b> | <b>Rate</b> | <b>Cost</b>       |
|----------------------------------------|--------------|-------------|-------------------|
| Project Mgr                            | 2            | \$54.33     | \$108.66          |
| Staff 2 Prof                           | 14           | \$38.59     | \$540.26          |
| Staff 1 Prof                           | 10           | \$28.88     | \$288.80          |
| Technician                             | 4            | \$37.49     | \$149.96          |
| <b>Total Direct Labor</b>              |              |             | <b>\$1,087.68</b> |
| Combined Overhead                      |              | 145.23%     | \$1,579.64        |
| <b>Out of Pocket</b>                   |              |             |                   |
| Mileage - 2 trips @ 92 mi @ \$0.575/mi |              | \$105.80    |                   |
| <b>Total Out of Pocket</b>             |              |             | <b>\$105.80</b>   |
| <b>Sub-Total</b>                       |              |             | <b>\$2,773.12</b> |
| Operating Margin                       |              | 15%         | \$415.97          |
| FCCM                                   |              | 0.328%      | \$3.57            |
| <b>Total Bid Phase</b>                 |              |             | <b>\$3,192.65</b> |

LS

| <b>D. Construction Phase (3 Months)</b> | <b>Hours</b> | <b>Rate</b> | <b>Cost</b>        |
|-----------------------------------------|--------------|-------------|--------------------|
| Project Mgr                             | 17           | \$54.33     | \$923.61           |
| Staff 2 Prof                            | 46           | \$38.59     | \$1,775.14         |
| Staff 1 Prof                            | 28           | \$28.88     | \$808.64           |
| Technician                              | 8            | \$37.49     | \$299.92           |
| <b>Total Direct Labor</b>               |              |             | <b>\$3,807.31</b>  |
| Combined Overhead                       |              | 145.23%     | \$5,529.36         |
| <b>Out of Pocket</b>                    |              |             |                    |
| Mileage - 4 trips @ 92 mi @ \$0.575/mi  |              | \$211.60    |                    |
| <b>Total Out of Pocket</b>              |              |             | <b>\$211.60</b>    |
| <b>Sub-Total</b>                        |              |             | <b>\$9,548.27</b>  |
| Operating Margin                        |              | 15%         | \$1,432.24         |
| FCCM                                    |              | 0.328%      | \$12.49            |
| <b>Total Construction Phase</b>         |              |             | <b>\$10,992.99</b> |

LS

## COST ESTIMATE FOR SPECIAL SERVICES

### PROJECT: AIRPORT DRAINAGE IMPROVEMENTS

| 1. Geotechnical Investigation and Construction Materials Testing |    | Cost               |
|------------------------------------------------------------------|----|--------------------|
| Terracon Consultants, Inc.                                       |    | \$11,200.00        |
| Volkert, Inc.                                                    | 5% | \$560.00           |
| <b>TOTAL</b>                                                     |    | <b>\$11,760.00</b> |

NTE

| 2. Survey                            | Man-hour | Rate     | Cost              |
|--------------------------------------|----------|----------|-------------------|
| PLS                                  | 8        | \$44.24  | \$353.92          |
| Survey Crew (3-Man)                  | 24       | \$55.06  | \$1,321.44        |
| Technician                           | 12       | \$37.49  | \$449.88          |
| <b>Total Direct Labor</b>            |          |          | <b>\$2,125.24</b> |
| Combined Overhead                    |          | 145.23%  | \$3,086.49        |
| <b>Out of Pocket</b>                 |          |          |                   |
| Mileage - 2 trips @ 92 mi @ 0.575/mi |          | \$105.80 |                   |
| <b>Total Out of Pocket</b>           |          |          | <b>\$105.80</b>   |
| <b>Sub-Total</b>                     |          |          | <b>\$5,317.53</b> |
| Operating Margin                     |          | 10%      | \$531.75          |
| FCCM                                 |          | 0.328%   | \$6.97            |
| <b>Total Survey</b>                  |          |          | <b>\$5,856.25</b> |

NTE

| 3. Construction Observation (3 Months) | Man-hour | Rate       | Cost               |
|----------------------------------------|----------|------------|--------------------|
| Construction Project Manager           | 62       | \$40.00    | \$2,480.00         |
| Residential Property Representative 2  | 320      | \$25.75    | \$8,240.00         |
| <b>Total Direct Labor</b>              |          |            | <b>\$10,720.00</b> |
| Combined Overhead                      |          | 145.23%    | \$15,568.66        |
| <b>Out of Pocket</b>                   |          |            |                    |
| Mileage - 50 trips @ 92 mi @ 0.575/mi  |          | \$2,645.00 |                    |
| <b>Total Out of Pocket</b>             |          |            | <b>\$2,645.00</b>  |
| <b>Sub-Total</b>                       |          |            | <b>\$28,933.66</b> |
| Operating Margin                       |          | 10%        | \$2,893.37         |
| FCCM                                   |          | 0.328%     | \$35.16            |
| <b>Total Construction Observation</b>  |          |            | <b>\$31,862.18</b> |

NTE

**COST ESTIMATE FOR BASIC SERVICES (Cont'd.)**

**PROJECT: AIRPORT DRAINAGE IMPROVEMENTS**

| <b>4. FAA Documentation</b>               | <b>Man-hour</b> | <b>Rate</b> | <b>Cost</b>       |
|-------------------------------------------|-----------------|-------------|-------------------|
| <b>FY2015 Grant Application</b>           |                 |             |                   |
| Project Manager                           | 4               | \$54.33     | \$217.32          |
| Staff 1 Professional                      | 8               | \$28.88     | \$231.04          |
| Technician                                | 2               | \$37.49     | \$74.98           |
| <b>Sub-Total Direct Labor</b>             |                 |             | <b>\$523.34</b>   |
| <b>FY2015 Grant Quarterly Reports (4)</b> |                 |             |                   |
| Project Manager                           | 6               | \$54.33     | \$325.98          |
| Staff 1 Professional                      | 12              | \$28.88     | \$346.56          |
| Technician                                | 0               | \$37.49     | \$0.00            |
| <b>Sub-Total Direct Labor</b>             |                 |             | <b>\$672.54</b>   |
| <b>FY2016 Grant Pre-Application</b>       |                 |             |                   |
| Project Manager                           | 8               | \$54.33     | \$434.64          |
| Staff 1 Professional                      | 16              | \$28.88     | \$462.08          |
| Technician                                | 2               | \$37.49     | \$74.98           |
| <b>Sub-Total Direct Labor</b>             |                 |             | <b>\$971.70</b>   |
| <b>Total Direct Labor</b>                 |                 |             | <b>\$2,167.58</b> |
| Combined Overhead                         |                 | 145.23%     | \$3,147.98        |
| <b>Out of Pocket</b>                      |                 |             |                   |
| Mileage - 2 trips @ 92 mi @ 0.575/mi      |                 | \$105.80    |                   |
| <b>Total Out of Pocket</b>                |                 |             | <b>\$105.80</b>   |
| <b>Sub-Total</b>                          |                 |             | <b>\$5,421.36</b> |
| Operating Margin                          |                 | 10%         | \$542.14          |
| FCCM                                      |                 | 0.328%      | \$7.11            |
| <b>Total FAA Documentation</b>            |                 |             | <b>\$5,970.60</b> |

NTE

May 1, 2015



Volkert, Inc.  
PO Box 7434  
Mobile, AL 36670

Attn: Mr. Bobby Odom, P.E.  
P: 251.342.1070  
E: [bodom@volkert.com](mailto:bodom@volkert.com)

Re: **Proposal for Engineering and Construction Materials Testing Services  
Drainage Improvements  
Foley, AL  
Terracon Proposal PEK150012**

Dear Mr. Odom:

Terracon Consultants, Inc. (Terracon) appreciates the opportunity to submit this proposal for the Construction Materials Engineering and Testing (CMET) services on the referenced project. This proposal describes our understanding of the project, discusses the scope of services to be provided, and presents applicable fees.

## A. PROJECT INFORMATION

The project will consist of construction of drainage improvements at the Foley Airport in Foley, Alabama.

### Site Location

| ITEM                 | DESCRIPTION                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------|
| Location             | Foley, Alabama                                                                               |
| Current ground cover | Site is currently an operating general aviation airport, ground cover is primarily pavement. |
| Existing topography  | Generally level to rolling.                                                                  |

### Project Description

| ITEM           | DESCRIPTION                                                                    |
|----------------|--------------------------------------------------------------------------------|
| AVGAS Pipeline | The project will consist of improvements to an existing storm drainage system. |

Should any of the above information or assumptions be inconsistent with the planned construction, please let us know so that we may make any necessary modifications to this proposal.



Terracon Consultants, Inc. 6215 Rangeline Road, Suite 115 Theodore, Alabama 36582  
P [251] 443 5374 F [251] 443 5377 [terracon.com](http://terracon.com)

Geotechnical ☐ Environmental ☐ Construction Materials ☐ Facilities ☐

**Proposal For CMET Services**

Drainage Improvements ■ Foley, Alabama

May 1, 2015 ■ Terracon Proposal Number: PEK150012

**B. SCOPE OF SERVICES**

Based on our discussions with Mr. Bobby Odom, and our experience with similar projects, we anticipate the scope of our services to include the following:

**Geotechnical Design Services**

- Drill eight (8) cores from existing pavements and perform six (6) foot deep hand auger borings and dynamic cone penetrometer (DCP) tests at four (4) core locations.
- Prepare recommendations for pavement build-up.

**Construction Materials Testing and Engineering Services**

- Observe storm drain installation including in-place density testing.
- Observe base preparation including proofrolling and in-place density testing.
- Observe and test subgrade and concrete for slab/foundation modifications.
- Observe and test pavement buildup in accordance with MDOT standards.
- Review product submittals.

We recommend that the scope of work described in this proposal be provided to the person(s) who will be responsible for scheduling our services so that they are aware of the services that are proposed. Our services specifically exclude job site safety responsibility and our services do not relieve any contractor/subcontractor from complying with project specifications.

We also recommend that a protocol for communicating observation and testing reports as well as resolving discrepancies be discussed at pre-construction meetings, typically attended by representatives of the Owner, Architect, Structural/Civil Engineer of Record, General Contractor (and any subcontractors the General Contractor believes appropriate).

**Earthwork, Pavement and Concrete Observation/Testing**

- Terracon will observe proofrolling of in-situ soils in initial fill areas. Once grading operations are underway, a Technician will perform supplemental proofroll observation and bulk sampling for laboratory Proctor analysis. The Project Engineer will be available to provide recommendations to address soils identified to be soft or unstable.
- Bulk samples of proposed fill and backfill will be collected and laboratory tested. Reports will be issued indicating the soil's maximum dry density and optimum moisture content for compaction in accordance with standard Proctor.
- A Soil Technician will observe and perform density testing during earthwork operations as well as backfilling of utilities and other excavations. The Technician will test and document moisture levels and compaction.

**Proposal For CMET Services**

Drainage Improvements ■ Foley, Alabama

May 1, 2015 ■ Terracon Proposal Number: PEK150012



- A Concrete Technician will perform tests on fresh concrete and mold test cylinders. The test cylinders will be transported to our facility in Mobile, AL for curing and testing.
- A Pavement Technician will monitor pavement production, review batch plant records of pavement production, and measure thickness and density of pavement cores.
- A Senior Engineer will review the drawings, attend pre-construction meetings when requested, and be available to visit the site to address soil-related problems that may arise.

**Please verify our proposed scope of testing services with the governing municipality, architect, and structural engineer of record.**

**Coordination & Oversight/Reporting/Scheduling**

We will designate a Project Engineer/Manager to oversee our scope of work for the project, review of reports and field tests, and submit reports to the parties designated by the client. A Senior Engineer/Manager will be available to provide oversight and technical review, if required.

We request a copy of the current/revised drawings, details, and specifications, and any other clarifying or modifying communication that affect our portion of the work. We would also like the opportunity to attend pre-construction and periodic project meetings during which issues related to our scope of work may be discussed.

Field reports will be prepared with a draft copy available to designated site personnel upon request. After review by the Terracon Project Engineer/Manager, final reports will be emailed to the personnel designated by the client. A final reports package will be issued monthly along with the invoice. Laboratory test results are available within 24 hours of test completion and reports can be transmitted the following business day upon request.

Non-compliant tests or observations will be promptly reported to contractor personnel so corrective action can be taken and documented. Pre-designated project team members can be contacted following any uncorrected discrepancy or failing test, if requested.

Our services will be performed on an as-requested basis with scheduling by the contractor's field personnel. We request our services be scheduled a minimum of one working day in advance and two working days prior to the commencement of each category of activities. We will endeavor to schedule services on lesser notice, but may not always be able to meet the desired project schedule. All requests for periodic services should be submitted between 8:00 am and 4:00 pm, Monday through Friday. Messages left on the telephone voice mail outside of these hours on weekdays or on Saturday, Sunday and Holidays will be received the next business day.

### **C. COMPENSATION**

For clarity, we have prepared separate Tables of Estimated Fees. Based on the anticipated project information provided by Mr. Bobby Odom and the attached Tables of Estimated Fees, we recommend an estimated base budget allowance of **\$3,550.00** be established for the geotechnical services and an estimated base budget allowance of **\$7,650.00** be established for the construction materials engineering and testing services. Please note our base budgets allowance do not include any special inspections that may be required for this project.

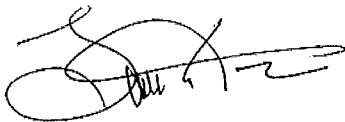
Other services and associated fees can be provided at your request.

### **D. AUTHORIZATION**

This proposal may be accepted by executing the standard Volkert/Terracon Agreement for Services (Agreement) and returning one executed copy along with this proposal to Terracon. You may authorize us by returning these documents via email ([jsfoster@terracon.com](mailto:jsfoster@terracon.com)) or fax (251-443-5377). This Agreement, including the limitations it contains, shall constitute the exclusive terms, conditions, and services to be performed for this project.

Again, we greatly appreciate the opportunity to provide this proposal for our services during construction. If you have any questions, please do not hesitate to contact us.

Sincerely,  
**Terracon Consultants, Inc.**



James S. Foster, P.E.  
Senior Project Engineer  
Office Manager



Brian F. Gisi, P.E.  
Principal

Attachments: Table of Estimated Fees

**BUDGET ESTIMATE  
GEOTECHNICAL SERVICES  
Foley Airport  
Foley, Alabama**

**Terracon**  
PEK150012

| DESCRIPTION                                                                                                                                                         | QUANTITY | UNIT  | UNIT<br>PRICES | TOTAL COSTS       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|-------------------|
| FIELD SERVICES                                                                                                                                                      |          |       |                |                   |
| Refer to Terracon Proposal No. PEK150012 for the proposed subsurface exploration program for this project.                                                          |          |       |                |                   |
| Core Drilling Machine                                                                                                                                               | 1        | day   | \$400.00       | \$400.00          |
| Coring Crew                                                                                                                                                         | 8        | hours | \$110.00       | \$880.00          |
| Patch Core Holes                                                                                                                                                    | 8        | each  | \$50.00        | \$400.00          |
| Hand Auger Borings w/ DCP                                                                                                                                           | 4        | each  | \$150.00       | \$600.00          |
| Subtotal                                                                                                                                                            |          |       |                | \$2,280.00        |
| <b>ESTIMATED SUBTOTAL FOR FIELD SERVICES</b>                                                                                                                        |          |       |                | <b>\$2,300.00</b> |
| LABORATORY SERVICES                                                                                                                                                 |          |       |                |                   |
| None Anticipated                                                                                                                                                    |          |       |                |                   |
| Subtotal                                                                                                                                                            |          |       |                | \$0.00            |
| <b>ESTIMATED SUBTOTAL FOR LABORATORY SERVICES</b>                                                                                                                   |          |       |                | <b>\$0.00</b>     |
| ENGINEERING SERVICES                                                                                                                                                |          |       |                |                   |
| Scope Development, Project Direction, Coordination, Consultation with Owner and Design Engineer, and Preparation and Submittal of a Geotechnical Engineering Report |          |       |                |                   |
| Senior Project Engineer/Manager, P.E.                                                                                                                               | 8.0      | hour  | \$140.00       | \$1,120.00        |
| Secretarial Services                                                                                                                                                | 3.0      | hour  | \$50.00        | \$150.00          |
| Total                                                                                                                                                               |          |       |                | \$1,270.00        |
| <b>ESTIMATED SUBTOTAL FOR ENGINEERING SERVICES</b>                                                                                                                  |          |       |                | <b>\$1,250.00</b> |
| <b>ESTIMATED TOTAL FOR SCOPE OF SERVICE</b>                                                                                                                         |          |       |                | <b>\$3,550.00</b> |

**BUDGET ESTIMATE  
CMT SERVICES  
Foley Airport  
Foley, Alabama**

**Terracon**  
PEK150012

| DESCRIPTION                                                                                                                                                         | QUANTITY | UNIT | UNIT<br>PRICES | TOTAL COSTS       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|----------------|-------------------|
| <b>FIELD SERVICES</b>                                                                                                                                               |          |      |                |                   |
| Senior Technician                                                                                                                                                   | 80       | hour | \$55.00        | \$4,400.00        |
| Mileage                                                                                                                                                             | 1000     | mile | \$0.65         | \$650.00          |
|                                                                                                                                                                     |          |      | Subtotal       | \$5,050.00        |
| <b>ESTIMATED SUBTOTAL FOR FIELD SERVICES</b>                                                                                                                        |          |      |                | <b>\$5,050.00</b> |
| <b>LABORATORY SERVICES</b>                                                                                                                                          |          |      |                |                   |
| Standard Proctor Density                                                                                                                                            | 2        | each | \$110.00       | \$220.00          |
| Modified Proctor Density                                                                                                                                            | 2        | each | \$135.00       | \$270.00          |
| Strength Test, Concrete Cylinders, Set of 5                                                                                                                         | 10       | each | \$75.00        | \$750.00          |
|                                                                                                                                                                     |          |      | Subtotal       | \$1,240.00        |
| <b>ESTIMATED SUBTOTAL FOR LABORATORY SERVICES</b>                                                                                                                   |          |      |                | <b>\$1,250.00</b> |
| <b>ENGINEERING SERVICES</b>                                                                                                                                         |          |      |                |                   |
| Scope Development, Project Direction, Coordination, Consultation with Owner and Design Engineer, and Preparation and Submittal of a Geotechnical Engineering Report |          |      |                |                   |
| Senior Project Engineer/Manager, P.E.                                                                                                                               | 6.0      | hour | \$140.00       | \$840.00          |
| Secretarial Services                                                                                                                                                | 10.0     | hour | \$50.00        | \$500.00          |
|                                                                                                                                                                     |          |      | Total          | \$1,340.00        |
| <b>ESTIMATED SUBTOTAL FOR ENGINEERING SERVICES</b>                                                                                                                  |          |      |                | <b>\$1,350.00</b> |
| <b>ESTIMATED TOTAL FOR SCOPE OF SERVICE</b>                                                                                                                         |          |      |                | <b>\$7,650.00</b> |