

SUPPLEMENTAL AGREEMENT NO. 4 (Revised)

**TO CONTRACT FOR PROFESSIONAL SERVICES
BETWEEN THE CITY OF FOLEY
AND VOLKERT, INC.**

THIS SUPPLEMENTAL AGREEMENT, made and entered into this the ____ day of _____, 2019, by and between the City of Foley, 407 East Laurel Avenue, Foley, AL 36535 (hereinafter called the OWNER), and Volkert, Inc., 1110 Montlimar Drive, Mobile, AL 36609 (hereinafter called the CONSULTANT);

WITNESSETH, THAT:

WHEREAS, the Owner and the Consultant entered into an Agreement on the 17th 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:

Rehabilitate Access Taxiways

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 scope of basic services will include a preliminary phase, design phase, bid phase and construction administration.

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 existing asphalt surface of the access taxiways providing access to the existing hangars located on the west side of the north apron is weathered and raveling. Aggregates within the asphalt pavement are becoming dislodged causing FOD in areas where aircraft frequently operate creating safety concerns. Visual inspection and review of past projects indicate the existing pavement is less than the minimum flexible pavement thickness of 3 inches as described in FAA AC 150/5320-6F.

This project will provide for the rehabilitation/reconstruction of the existing pavement in order to improve safety and provide a flexible pavement structure meeting FAA specification. Rehabilitation will consist of removing existing pavement, excavating embankment and constructing a new pavement section capable of supporting aircraft with

maximum gross weight of 12,500 lbs.

SECTION II. SPECIAL SERVICES

The scope of special services will include Construction Observation (CE&I) services, FAA Documentation, and Geotechnical Investigation and Material Testing.

Construction Observation (CE&I):

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

Provide the Owner with assistance during 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.

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".

Geotechnical Investigation and Material Testing:

Provide geotechnical investigation 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.

Topographic Survey

Provide a topographic survey for the project site at the rates established in the attached Attachment "A".

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 Forty Nine Thousand, Six Hundred Forty Dollars & Fifty Six Cents (\$49,640.56) 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 Forty Eight Thousand, Four Hundred Thirty Eight Dollars & Zero Cents (\$48,438.00) 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): 63-6001263
Social Security # (Individual): _____

VOLKERT, INC.

Attest: _____
Name: _____
Title: _____

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

**SA No. 4 (Revised)
ATTACHMENT A**

ENGINEERING FEE PROPOSAL

FOR

PROFESSIONAL SERVICES

FOR

REHABILITATE ACCESS TAXIWAYS

AT

FOLEY MUNICIPAL AIRPORT

FOR THE

CITY OF FOLEY

MARCH 2019

BY

VOLKERT

FOLEY MUNICIPAL AIRPORT
PROJECT: REHABILITATE ACCESS TAXIWAYS

INDEX

<u>DESCRIPTION</u>	<u>SHEET NUMBER</u>
Summary of Estimated Engineering Cost (Basic Services)	3
Summary of Estimated Engineering Cost (Special Services)	3
Summary of Estimated Construction Cost.....	3
Summary of Project Cost	
Rehabilitate Access Taxiways	4

FOLEY MUNICIPAL AIRPORT
PROJECT: REHABILITATE ACCESS TAXIWAYS

SUMMARY OF ESTIMATED ENGINEERING COST
BASIC SERVICES

Project – Rehabilitate Access Taxiways..... \$49,640.56

SUMMARY OF ESTIMATED ENGINEERING COST
SPECIAL SERVICES

Project – Rehabilitate Access Taxiways..... \$48,438.00

SUMMARY OF ESTIMATED CONSTRUCTION COST

Project – Rehabilitate Access Taxiways (Phase 1) \$240,000.00
Project – Rehabilitate Access Taxiways (Phase 2) \$350,000.00

FOLEY MUNICIPAL AIRPORT
PROJECT: REHABILITATE ACCESS TAXIWAYS

PROJECT DESCRIPTION

The existing asphalt surface of the access taxiways providing access to the existing hangars located on the west side of the north apron is weathered and raveling. Aggregates within the asphalt pavement are becoming dislodged causing FOD in areas where aircraft frequently operate creating safety concerns. Visual inspection and review of past projects indicate the existing pavement is less than the minimum flexible pavement thickness of 3 inches as described in FAA AC 150/5320-6F.

This project will provide for the rehabilitation/reconstruction of the existing pavement in order to improve safety and provide a flexible pavement structure meeting FAA specification. Rehabilitation will consist of removing existing pavement, excavating embankment and constructing a new pavement section capable of supporting aircraft with maximum gross weight of 12,500 lbs.

The scope of basic services will include a preliminary phase, design phase, bid phase, and construction administration. The scope of special services will include Construction Observation (CE&I) services, FAA Documentation, Topographic Survey and a Geotechnical Investigation and Material Testing.

BASIC SERVICES

1. Preliminary Phase	\$4,050.13 LS
2. Design Phase.....	\$28,113.59 LS
3. Bid Phase.....	\$5,327.54 LS
4. Construction Administration	\$12,149.30 LS
Basic Services Subtotal	\$49,640.56

SPECIAL SERVICES

1. Construction Observation	
(a) Volkert, Inc.	\$27,513.70 NTE
2. FAA Documentation	
(a) Volkert, Inc.	\$7,961.34 NTE
3. Geotechnical Investigation and Material Testing	
(a) Terracon, Inc.	\$8,900.00 NTE
(b) Volkert, Inc.	\$890.00 NTE

4.	Topographic Survey	
	(b) Volkert, Inc.	\$3,172.96 NTE
	Special Services Subtotal	\$48,438.00
	Total Project	\$98,078.56

LS = Lump Sum
NTE = Not to Exceed

**MAN-HOUR ESTIMATE FOR BASIC SERVICES
REHABILITATE ACCESS TAXIWAYS @ FOLEY MUNICIPAL AIRPORT**

Task No.	Preliminary Phase	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin
1	Pre-Design Meeting		3	3	
2	Scope Development	1	2		
3	Site Visit		5	5	
4	CAT Ex Checklist		2	12	
	TOTAL MAN-HOURS	1	12	20	0

Task No.	Design Phase	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin
1	Geo-Tech Review & Pavement Design	2	4	8	
2	Plan Assembly - General (5 Sheets)		6	12	
3	Plan Assembly - Geometrics (3 Sheet)		2	6	
4	Plan Assembly - Typical Sections (2 Sheet)		2	24	
5	Plan Assembly - Plan Profile (3 Sheets)		8	32	
6	Plan Assembly - Marking Plan (1 Sheet)		2	4	
7	Specifications - Bid Documents		4	4	2
8	Specifications - Contract Documents		1	1	2
9	Specifications - General		6	8	2
10	Specifications - Technical		12	24	8
11	Engineer's Report	1	4	8	
12	QA/QC Contract Documents	1	6		
13	FAA / ALDOT Submittals and Reviews (50% and 90%)		4	8	
14	Client Submittals and Review Meetings (50% and 90%)		8		
15	Peer and Constructability Reviews	3	12		
	TOTAL MAN-HOURS	7	81	139	14

**MAN-HOUR ESTIMATE FOR BASIC SERVICES
REHABILITATE ACCESS TAXIWAYS @ FOLEY MUNICIPAL AIRPORT**

Task No.	Bid Phase	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin
1	Coordinate Project Advertisement		1		4
2	Distribute Bid Packets				8
3	Conduct Pre-Bid Meeting		5	5	2
4	Addendums and Questions		2	4	2
5	Bid Opening		4		
6	Bid Evaluation and Recommendation	1	1	6	4
	TOTAL MAN-HOURS	1	13	15	20

Task No.	Construction Administration (60 Calendar Days)	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin
1	Contract Preparation / Printing / Execution		1	1	4
2	Pre-Construction Meeting		5		
3	Periodic Site Visits		32	16	
4	Shop Drawings / Submittals		4	8	
5	Admin. / Meetings		4		
6	Report(s) / Pay Estimates		1		4
7	Final Inspection		5		
8	Record Drawings		1	4	1
	TOTAL MAN-HOURS	0	53	29	9

**COST ESTIMATE FOR BASIC SERVICES
REHABILITATE ACCESS TAXIWAYS @ FOLEY MUNICIPAL AIRPORT**

1. Preliminary Phase		Man-hour	Rate	Cost
Labor Costs				
Project Manager		1	\$63.04	\$63.04
Staff 2 Professional		12	\$49.95	\$599.40
Staff 1 Professional		20	\$31.99	\$639.80
Administrative Assistant		0	\$26.75	\$0.00
TOTAL DIRECT LABOR				\$1,302.24
Combined Overhead			160.82%	\$2,094.26
FCCM			0.540%	\$7.03
TOTAL LABOR COSTS				\$3,403.53
Out of Pocket Costs				
Travel Expenses (Mobile office to Foley) (51 Miles 1-way)	Trips	Miles	Rate	Cost
	2	102	\$0.580	\$118.32
TOTAL OUT OF POCKET				\$118.32
Total Preliminary Phase Costs				
Sub-Total				\$3,521.85
Operating Margin			15%	\$528.28
TOTAL PRELIMINARY PHASE				\$4,050.13 LS

2. Design Phase		Man-hour	Rate	Cost
Labor Costs				
Project Manager		7	\$63.04	\$441.28
Staff 2 Professional		81	\$49.95	\$4,045.95
Staff 1 Professional		139	\$31.99	\$4,446.61
Administrative Assistant		14	\$26.75	\$374.50
TOTAL DIRECT LABOR				\$9,308.34
Combined Overhead			160.82%	\$14,969.67
FCCM			0.540%	\$50.27
TOTAL LABOR COSTS				\$24,328.28
Out of Pocket Costs				
Travel Expenses (Mobile office to Foley) (51 Miles 1-way)	Trips	Miles	Rate	Cost
	2	102	\$0.580	\$118.32
TOTAL OUT OF POCKET				\$118.32
Total Design Phase Costs				
Sub-Total				\$24,446.60
Operating Margin			15%	\$3,666.99
TOTAL DESIGN PHASE				\$28,113.59 LS

**COST ESTIMATE FOR BASIC SERVICES
REHABILITATE ACCESS TAXIWAYS @ FOLEY MUNICIPAL AIRPORT**

3. Bid Phase		Man-hour	Rate	Cost
Labor Costs				
Project Manager		1	\$63.04	\$63.04
Staff 2 Professional		13	\$49.95	\$649.35
Staff 1 Professional		15	\$31.99	\$479.85
Administrative Assistant		20	\$26.75	\$535.00
TOTAL DIRECT LABOR				\$1,727.24
Combined Overhead			160.82%	\$2,777.75
FCCM			0.540%	\$9.33
TOTAL LABOR COSTS				\$4,514.32
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
(Mobile office to Foley)				
(51 Miles 1-way)	2	102	\$0.580	\$118.32
TOTAL OUT OF POCKET				\$118.32
Total Bid Phase Costs				
Sub-Total				\$4,632.64
Operating Margin			15%	\$694.90
TOTAL BID PHASE				\$5,327.54

LS

**COST ESTIMATE FOR BASIC SERVICES
REHABILITATE ACCESS TAXIWAYS @ FOLEY MUNICIPAL AIRPORT**

Construction Administration 4. (60 Calendar Days)		Man-hour	Rate	Cost
Labor Costs				
Project Manager		0	\$63.04	\$0.00
Staff 2 Professional		53	\$49.95	\$2,647.35
Staff 1 Professional		29	\$31.99	\$927.71
Administrative Assistant		9	\$26.75	\$240.75
TOTAL DIRECT LABOR				\$3,815.81
Combined Overhead			160.82%	\$6,136.59
FCCM			0.540%	\$20.61
TOTAL LABOR COSTS				\$9,973.01
Out of Pocket Costs				
Travel Expenses (Mobile office to Foley) (51 Miles 1-way)	Trips	Miles	Rate	Cost
	10	102	\$0.580	\$591.60
TOTAL OUT OF POCKET				\$591.60
Total Construction Administration				
Sub-Total				\$10,564.61
Operating Margin			15%	\$1,584.69
TOTAL CONSTRUCTION ADMINISTRATION				\$12,149.30

LS

**MAN-HOUR ESTIMATE FOR SPECIAL SERVICES
REHABILITATE ACCESS TAXIWAYS @ FOLEY MUNICIPAL AIRPORT**

Task No.	Construction Observation (60 Calendar Days)	Const. Proj. Mgr.	RPR 2	RPR 1	Admin.
1	Conduct Pre-Construction Meeting	4	4		
2	Daily Periodic Site Visits	12	42	280	
3	Prepare Contractor's Pay Estimates	2	4	4	12
4	Conduct Final Inspection / Punch List	4	8	16	
5	Prepare Record Drawings	1	8		
6	Prepare Project Closeout Documentation	1	4		2
TOTAL MAN HOURS		24	70	300	14

Task No.	FAA Documentation	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin
FY2019 Grant Application					
1	Prepare & Submit Grant Application Packet		1	4	8
2	Review Meeting with Sponsor		4	4	
3	Attend City Board Meeting		4		
Subtotal		0	9	8	8
FY2019 Grant Management					
1	Prepare and Submit Grant Quarterly Reports		2		8
2	Prepare and Submit Monthly Grant F-25 Invoice via ARGOS System		2		8
3	Manage Statement of Distribution		2		12
4	Grant Closeout Documents		2	4	4
Subtotal		0	8	4	32
FY2019 Grant FAA Annual DBE Reporting					
1	Collect DBE Data Report Forms from Contractor		1		8
2	Complete & Submit DBE Data to FAA via DBE-Connect Portal		1		4
Subtotal		0	2	0	12
TOTAL MAN HOURS		0	19	12	52

Task No.	Topographic Survey	PLS	Technician	3 Man Crew	Admin.
1.	Mobilization and Set Up			3	
2.	Establish GPS Control			1	
3.	Collection of Topographic Features			8	
4.	Process Field Data & Generate Surface		6		
5.	Review & Approve	4			
TOTAL MAN HOURS		4	6	12	0

**COST ESTIMATE FOR SPECIAL SERVICES
REHABILITATE ACCESS TAXIWAYS @ FOLEY MUNICIPAL AIRPORT**

1. Construction Observation (60 Calendar Days)		Man-hour	Rate	Cost
Labor Costs				
Construction Project Manager		24	\$48.51	\$1,164.24
Resident Project Representative 2		70	\$25.57	\$1,789.90
Resident Project Representative 1		300	\$17.92	\$5,376.00
Administrative Assistant		14	\$26.75	\$374.50
TOTAL DIRECT LABOR				\$8,704.64
Combined Overhead			160.82%	\$13,998.80
FCCM			0.540%	\$47.01
TOTAL LABOR COSTS				\$22,750.45
Out of Pocket Costs				
Travel Expenses (Daphne office to Foley) (26 Miles 1-way)	Trips	Miles	Rate	Cost
	75	52	\$0.580	\$2,262.00
TOTAL OUT OF POCKET				\$2,262.00
Total Construction Observation Costs				
Sub-Total				\$25,012.45
Operating Margin			10%	\$2,501.25
TOTAL CONSTRUCTION OBSERVATION				\$27,513.70 NTE

2. FAA Documentation		Man-hour	Rate	Cost
Labor Costs				
Project Manager		0	\$63.04	\$0.00
Staff 2 Professional		19	\$49.95	\$949.05
Staff 1 Professional		12	\$31.99	\$383.88
Administrative Assistant		52	\$26.75	\$1,391.00
TOTAL DIRECT LABOR				\$2,723.93
Combined Overhead			160.82%	\$4,380.62
FCCM			0.540%	\$14.71
TOTAL LABOR COSTS				\$7,119.26
Out of Pocket Costs				
Travel Expenses (Mobile office to Foley) (51 Miles 1-way)	Trips	Miles	Rate	Cost
	2	102	\$0.580	\$118.32
TOTAL OUT OF POCKET				\$118.32
Total FAA Documentation Costs				
Sub-Total				\$7,237.58
Operating Margin			10%	\$723.76
TOTAL FAA DOCUMENTATION				\$7,961.34 NTE

**COST ESTIMATE FOR SPECIAL SERVICES
REHABILITATE ACCESS TAXIWAYS @ FOLEY MUNICIPAL AIRPORT**

3. Geotechnical Investigation & Material Testing	Rate	Cost	
Terracon Consultants, Inc.		\$8,900.00	
Volkert, Inc.	10%	\$890.00	
TOTAL GEOTECHNICAL SERVICES		\$9,790.00	NTE

4. Topographic Survey	Man-hour	Rate	Cost	
Labor Costs				
PLS	4	\$41.50	\$166.00	
Technician	6	\$34.73	\$208.38	
3 Man Survey Crew	12	\$57.00	\$684.00	
Administrative Assistant	0	\$26.75	\$0.00	
TOTAL DIRECT LABOR			\$1,058.38	
Combined Overhead		160.82%	\$1,702.09	
FCCM		0.540%	\$5.72	
TOTAL LABOR COSTS			\$2,766.19	
Out of Pocket Costs				
Travel Expenses (Mobile office to airport)	Trips	Miles	Rate	Cost
	2	102	\$0.580	\$118.32
TOTAL OUT OF POCKET				\$118.32
Total Topographic Survey Costs				
Sub-Total			\$2,884.51	
Operating Margin		10%	\$288.45	
TOTAL TOPOGRAPHIC SURVEY			\$3,172.96	NTE

March 7, 2019



Volkert, Inc.
PO Box 7434
Mobile, AL 36670

Attn: Mr. Harold Eubanks, P.E.
P: 251-342-1070
E: harold.eubanks@volkert.com

Re: **Revised Proposal for Construction Materials Engineering and Testing Services
Proposed Access Taxiway
Foley Municipal Airport
Foley, Alabama
Terracon Proposal PEK185003**

Dear Mr. Eubanks:

Terracon Consultants, Inc. (Terracon) appreciates the opportunity to submit this revised proposal to provide engineering and Construction Materials Engineering and Testing (CMET) services for the above referenced project. The purpose of this study will be to assist in the rehabilitation of the access taxiway and provide CMET services during construction. This proposal outlines our understanding of the project and scope of services and provides estimated fees for our services.

A. PROJECT INFORMATION

We understand the proposed construction will consist of the demolition and reconstruction of the access taxiways at the municipal airport in Foley, Alabama. The existing asphalt, base, and subgrade materials within the taxiway are to be removed and replaced with new embankment fill soil (P-152), crushed aggregate base (P-209), and hot mix asphalt (P-401/403).

If our assumptions or understanding of the project are incorrect, we request the opportunity to review this proposal and modify it accordingly for re-submittal to your attention.

B. SCOPE OF SERVICES

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

- Review Product Submittals.
- Drill cores from existing access taxiway pavement to determine pavement thickness
- Drill shallow soil borings in the pavement base to determine base thickness and type
- Excavation, Subgrade, and Embankment (P-152) observation/testing



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

Geotechnical



Environmental



Construction Materials



Facilities

- Crushed Aggregate Base Course (P-209) observation/testing
- Hot Mix Asphalt (HMA) Pavements (P-401/403) observation/sampling/testing

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).

Existing Asphalt Pavement Investigation

To examine the existing asphalt pavement of the access taxiway, we shall drill a total of three (3) cores from the pavement and three (3) shallow soil borings below the core locations in the pavement base to determine types and thicknesses.

Bulk samples will be collected at each location. Once the samples have been collected and classified in the field, they will be placed in appropriate sample containers for transport to our laboratory.

For safety purposes, all borings will be backfilled immediately after their completion. Excess soil cuttings and drilling fluids would be removed from the access taxiway and disposed of on the site. The boreholes will be backfilled with asphalt pavement cold patch upon completion and the area around the boreholes will be cleaned by sweeping and/or rinsing with water.

Excavation, Subgrade, and Embankment (P-152) Observation and Testing

- We anticipate the scope of excavation, subgrade, embankment observation and testing to include approximately 3,500 square yards (31,500 sf) of granular soil in one 6-inch lift.
- Terracon will observe subgrades after clearing, stripping, and undercutting. The Senior Engineer will be available to provide recommendations to address soils identified to be soft or unstable.
- Bulk samples of the subgrade and/or proposed 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 modified Proctor.
- A Soil Technician will observe and perform density testing during earthwork operations. The Technician will test and document moisture levels and compaction.
- A Senior Engineer will review the project drawings and specifications, attend pre-construction meetings when requested, and will be available to visit the site to address soil-related problems that may arise.

Crushed Aggregate Base Course (P-209) Observation and Testing

- We anticipate the scope of aggregate base course observation and testing to include approximately 3,500 square yards (31,500 sf) of crushed stone in one 4-inch lift.
- Terracon will observe and examine subgrade prior to placement of aggregate base.
- Bulk samples of the aggregate base will be collected and laboratory tested. Reports will be issued indicating the material's maximum dry density and optimum moisture content for compaction in accordance with modified Proctor.
- A Soil Technician will observe and perform density testing. The Technician will test and document moisture levels and compaction.
- A Senior Engineer will review the project drawings and specifications, attend pre-construction meetings when requested, and be available to visit the site to address base-related problems that may arise.

Hot Mix Asphalt (HMA) Pavements (P-401/403) Observation, Sampling, and Testing

- We anticipate the scope of asphalt-related observation and testing to include approximately 600 tons (3,500 square yards at 3" thick) of bituminous surface and binder courses.
- Provide a technician at the asphalt plant to monitor HMA production and to perform appropriate quality assurance testing on the HMA.
- Determine location and frequency of test cores in accordance with project plans and specifications. Monitor the contractor's core drilling operations and delivery of cores to the laboratory for testing.
- Perform appropriate tests on cores drilled from the in-place pavement overlay to determine mat and joint density.

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 product submittals, 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 upon completion of the project. 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 Volkert'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

Based on the anticipated project schedule information provided by Mr. Hank Eubanks and the attached Table of Estimated Fees, we recommend an estimated base budget allowance of **\$8,900.00**. Please note our base budget allowance does 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 (matt.ponder@terracon.com) or in person. 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.

Matthew R. Ponder, P.E.
Project Engineer

Jeffrey W. Williams, P.E.
Senior Engineer

Attachments: Tables of Estimated Fees

**BUDGET ESTIMATE
CMT SERVICES
Rehabilitate Access Taxiway (533801.ALA)
Foley Municipal Airport**



DESCRIPTION	QUANTITY	UNIT	UNIT PRICES	TOTAL COSTS
FIELD SERVICES				
Field Technician, Soils (est. 3 trips @ 6 hrs/trip)	18	hour	\$60.00	\$1,080.00
Field Technician, Agg. (est. 3 trips @ 6 hrs/trip)	18	hour	\$60.00	\$1,080.00
Field Technician, Asphalt Plant (est. 3 days)	24	hour	\$60.00	\$1,440.00
Field Technician, Sample Pick-ups (est. 2 trips @ 3 hours/trip)	6	hour	\$60.00	\$360.00
Field Technician, Coring (est. 2 techs for 1 day @ 8 hrs/day)	16	hour	\$60.00	\$960.00
Coring Rig Mobilization	1	each	\$350.00	\$350.00
Drill and Patch Pavement Cores	3	each	\$90.00	\$270.00
Mileage	1440	mile	\$0.65	\$936.00
Subtotal				\$6,476.00
ESTIMATED SUBTOTAL FOR FIELD SERVICES				\$6,500.00
LABORATORY SERVICES				
Proctor Density Test, Soil	2	each	\$150.00	\$300.00
Proctor Density Test, Aggregate	1	each	\$175.00	\$175.00
Cure, test & report concrete cylinders	0	each	\$15.00	\$0.00
Subtotal				\$475.00
ESTIMATED SUBTOTAL FOR LABORATORY SERVICES				\$500.00
ENGINEERING SERVICES				
Scope Development, Project Direction, Coordination, Consultation with Owner and Design Engineer, and Review of Test Reports				
Principal Engineer, P.E.	2	hour	\$130.00	\$260.00
Senior Project Engineer/Manager, P.E.	12	hour	\$120.00	\$1,440.00
Secretarial Services	4	hour	\$50.00	\$200.00
Total				\$1,900.00
ESTIMATED SUBTOTAL FOR ENGINEERING SERVICES				\$1,900.00
ESTIMATED TOTAL FOR SCOPE OF SERVICE				\$8,900.00