



Volkert, Inc.

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April 26, 2018

VIA UPS

Ms. Rachel Keith
Airport Manager
City of Foley
407 East Laurel Avenue
Foley, Alabama 36530

AIP No. 3-01-0031-016-2018

Project No. 538802.ALA

Construct Access Taxiways - Phase II
at Foley Municipal Airport
Foley, Alabama

RE: Supplemental Agreement No. 2 - Amendment No. 1 - ALDOT Changes

Dear Ms. Keith:

The Supplemental Agreement No. 2, dated February 20, 2018, between the City of Foley and Volkert, Inc. has been reviewed by the Alabama Department of Transportation for audit accuracy and acceptable overhead and labor rates. Due to this review, some adjustments need to be made to the contract. The changes are as follows:

Project Number	Project Phase	Original Amount	Audited Amount	Difference
538802.ALA	Preliminary Phase	\$ 2,896.63	\$ 3,333.62	\$ 436.99
	Design Phase	\$ 12,901.14	\$ 12,518.28	\$ (382.86)
	Bid Phase	\$ 3,322.55	\$ 3,149.14	\$ (173.41)
	Construction Administration	\$ 6,765.00	\$ 6,487.36	\$ (277.64)
	Construction Observation	\$ 23,934.77	\$ 29,763.83	\$ 5,829.06
	Topographic Survey	\$ 2,203.88	\$ 2,203.49	\$ (0.39)
	DBE Plan Update	\$ 9,450.00	\$ 9,450.00	\$ -
	Geotechnical Investigation & Material Testing	\$ 14,175.00	\$ 14,175.00	\$ -
TOTAL:		\$ 75,648.97	\$ 81,080.72	\$ 5,431.75

If you find the corrections acceptable, please have the Mayor to sign and return one (1) copy to Volkert for our records.

If you have any questions or comments or require additional information, please contact us.





Sincerely,
VOLKERT, INC.

Hank Eubanks, P.E.
Project Manager

/rlb

Enclosed: Attachment A

City of Foley

John E. Koniar, Mayor

Date: _____

Volkert, Inc.

David M. Webber, Sr. VP / COO Gulf Design

Date: 4/28/18

COST ESTIMATE FOR BASIC SERVICES CONSTRUCT ACCESS TAXIWAYS - PHASE II @ FOLEY MUNICIPAL AIRPORT

1. Preliminary Phase		Man-hour	Rate	Cost
Labor Costs				
Project Manager		1	\$61.91	\$61.91
Staff 2 Professional		13	\$45.51	\$591.63
Staff 1 Professional		15	\$28.37	\$425.55
Administrative Assistant		0	\$22.20	\$0.00
TOTAL DIRECT LABOR				\$1,079.09
Combined Overhead			158.09%	\$1,705.93
FCCM (Not included in profit calculation)			0.510%	\$5.50
TOTAL LABOR COSTS				\$2,785.02
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
	2	100	\$0.545	\$109.00
TOTAL OUT OF POCKET				\$109.00
Total Preliminary Phase Costs				
Sub-Total				\$2,894.02
Operating Margin			15%	\$434.10
TOTAL PRELIMINARY PHASE				\$3,333.62

LS

2. Design Phase		Man-hour	Rate	Cost
Labor Costs				
Project Manager		4	\$61.91	\$247.64
Staff 2 Professional		33	\$45.51	\$1,501.83
Staff 1 Professional		79	\$28.37	\$2,241.23
Administrative Assistant		8	\$22.20	\$177.60
TOTAL DIRECT LABOR				\$4,168.30
Combined Overhead			158.09%	\$6,589.67
FCCM (Not included in profit calculation)			0.510%	\$21.26
TOTAL LABOR COSTS				\$10,757.97
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
	2	100	\$0.545	\$109.00
TOTAL OUT OF POCKET				\$109.00
Total Design Phase Costs				
Sub-Total				\$10,866.97
Operating Margin			15%	\$1,630.05
TOTAL DESIGN PHASE				\$12,518.28

LS

3. Bid Phase		Man-hour	Rate	Cost
Labor Costs				
Project Manager		1	\$61.91	\$61.91
Staff 2 Professional		15	\$45.51	\$682.65
Staff 1 Professional		8	\$28.37	\$226.96
Administrative Assistant		3	\$22.20	\$66.60
TOTAL DIRECT LABOR				\$1,038.12
Combined Overhead			158.09%	\$1,641.16
FCCM (Not included in profit calculation)			0.510%	\$5.29
TOTAL LABOR COSTS				\$2,679.28
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
	1	100	\$0.545	\$54.50
TOTAL OUT OF POCKET				\$54.50
Total Bid Phase Costs				
Sub-Total				\$2,733.78
Operating Margin			15%	\$410.07
TOTAL BID PHASE				\$3,149.14 LS

4. Construction Administration		Man-hour	Rate	Cost
Labor Costs				
Project Manager		5	\$61.91	\$309.55
Staff 2 Professional		24	\$45.51	\$1,092.24
Staff 1 Professional		16	\$28.37	\$453.92
Administrative Assistant		9	\$22.20	\$199.80
TOTAL DIRECT LABOR				\$2,055.51
Combined Overhead			158.09%	\$3,249.56
FCCM (Not included in profit calculation)			0.510%	\$10.48
TOTAL LABOR COSTS				\$5,305.07
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
	6	100	\$0.545	\$327.00
TOTAL OUT OF POCKET				\$327.00
Total Construction Administration				
Sub-Total				\$5,632.07
Operating Margin			15%	\$844.81
TOTAL CONSTRUCTION ADMINISTRATION				\$6,487.36 LS

COST ESTIMATE FOR SPECIAL SERVICES
CONSTRUCT ACCESS TAXIWAYS - PHASE II @ FOLEY MUNICIPAL AIRPORT

1. Construction Observation		Man-hour	Rate	Cost
Labor Costs				
Construction Project Manager		36	\$48.08	\$1,730.88
Resident Project Manager 2		92	\$23.00	\$2,116.00
Resident Project Manager 1		256	\$24.00	\$6,144.00
TOTAL DIRECT LABOR				\$9,990.88
Combined Overhead			158.09%	\$15,794.58
FCCM (Not included in profit calculation)			0.510%	\$50.95
TOTAL LABOR COSTS				\$25,785.46
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
(Daphne office to airport)	45	50	\$0.545	\$1,226.25
TOTAL OUT OF POCKET				\$1,226.25
Total Construction Observation Costs				
Sub-Total				\$27,011.71
Operating Margin			10%	\$2,701.17
TOTAL CONSTRUCTION OBSERVATION				\$29,763.83

NTE

2. Topographic Survey		Man-hour	Rate	Cost
Labor Costs				
PLS		2	\$39.50	\$79.00
3 Man Survey Crew		10	\$54.23	\$542.30
Technician		4	\$35.73	\$142.92
TOTAL DIRECT LABOR				\$764.22
Combined Overhead			158.09%	\$1,208.16
FCCM			0.510%	\$3.90
TOTAL LABOR COSTS				\$1,972.38
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
(Mobile office to airport)	1	50	\$0.545	\$27.25
TOTAL OUT OF POCKET				\$27.25
Total Topographic Survey Costs				
Sub-Total				\$1,999.63
Operating Margin			10%	\$199.96
TOTAL TOPOGRAPHIC SURVEY				\$2,203.49

NTE

3. DBE Plan Update	Rate	Cost	
Taffy Pippin Consulting, LLC		\$9,000.00	LS
Volkert, Inc.	5%	\$450.00	NTE
<i>TOTAL DBE PLAN UPDATE</i>		\$9,450.00	

4. Geotechnical Investigation & Material Testing	Rate	Cost	
Terracon Consultants, Inc.		\$13,500.00	
Volkert, Inc.	5%	\$675.00	
<i>TOTAL GEOTECHNICAL INVESTIGATION</i>		\$14,175.00	NTE

Amendment No. 1

**SA No. 2
ATTACHMENT A**

ENGINEERING FEE PROPOSAL

FOR

PROFESSIONAL SERVICES

FOR

CONSTRUCT ACCESS TAXIWAYS - PHASE II

AT

FOLEY MUNICIPAL AIRPORT

FOR THE

CITY OF FOLEY

APRIL 2018

BY

VOLKERT

Amendment No. 1

**FOLEY MUNICIPAL AIRPORT
PROJECT: CONSTRUCT ACCESS TAXIWAYS - PHASE II**

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	
Construct Access Taxiways - Phase II	4

Amendment No. 1

FOLEY MUNICIPAL AIRPORT

PROJECT: CONSTRUCT ACCESS TAXIWAYS - PHASE II

SUMMARY OF ESTIMATED ENGINEERING COST BASIC SERVICES

Project - Construct Access Taxiways - Phase II\$25,488.40

SUMMARY OF ESTIMATED ENGINEERING COST SPECIAL SERVICES

Project - Construct Access Taxiways - Phase II\$55,592.32

SUMMARY OF ESTIMATED CONSTRUCTION COST

Project - Construct Access Taxiways - Phase II\$249,950.00

Amendment No. 1

FOLEY MUNICIPAL AIRPORT SUMMARY OF PROJECT COST

PROJECT: CONSTRUCT ACCESS TAXIWAYS - PHASE II

PROJECT DESCRIPTION

The project will include construction of one (1) asphalt access taxiway needed to access the T-Hangars planned for local and state funding in FY18. The taxiway will be approximately 275 ft x 25 ft and will provide access from the existing apron to the proposed hangars. Access for the taxiways to the individual hangars will not be included in this project. The location of the new taxiway will be in accordance with the Airport Layout Plan (ALP).

The scope of basic services will include a preliminary phase, design phase, bid phase, and construction administration. Special services will include construction observation, topographic survey, a DBE plan update, and a geotechnical investigation and material testing.

BASIC SERVICES

1.	Preliminary Phase.....	\$3,333.62	
2.	Design Phase	\$12,518.28	
3.	Bid Phase	\$3,149.14	
4.	Construction Administration.....	\$6,487.36	
	Subtotal	\$25,488.40	LS

SPECIAL SERVICES

1.	Construction Observation		
	(a) Volkert, Inc.	\$29,763.83	NTE
2.	Topographic Survey		
	(a) Volkert, Inc.	\$2,203.49	NTE
3.	DBE Plan Update		
	(a) Taffy Pippin Consulting, LLC.....	\$9,000.00	LS
	(a) Volkert, Inc.	\$450.00	NTE

4. Geotechnical Investigation and Material Testing

(a) Terracon Consultants, Inc. \$13,500.00 NTE

(b) Volkert, Inc. \$675.00 NTE

Subtotal..... \$55,592.32

Total Project \$81,080.72

LS = Lump Sum
NTE = Not to Exceed

MAN-HOUR ESTIMATE FOR BASIC SERVICES
CONSTRUCT ACCESS TAXIWAYS - PHASE II @ FOLEY MUNICIPAL AIRPORT

Task No.	Preliminary Phase	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin.
1	Pre-Design Meeting		3		
2	Scope Development	1	1		
3	Site Visit		3	3	
4	CAT Ex Checklist		6	12	
	TOTAL MAN-HOURS	1	13	15	0

Task No.	Design Phase	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin.
1	Plan Assembly - General (5 Sheets)		1	6	
2	Plan Assembly - Geometrics (1 Sheet)		1	4	
3	Plan Assembly - Pavement Design/ Typical Sections (1 Sheet)		4	4	
4	Plan Assembly - Drainage / Details (2 Sheets)		2	10	
5	Plan Assembly - Marking Plan (1 Sheet)		1	3	
6	Plan Assembly - Plan Profile (1 Sheets)		1	6	
7	Plan Assembly - Cross Sections (3 Sheets)		1	6	
8	Specifications - Contract Documents		1	4	2
9	Specifications - General		2	6	2
10	Specifications - Technical		2	6	2
11	Engineer's Report		2	8	2
12	QA/QC Contract Documents	3	3		
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	1		8	
	TOTAL MAN-HOURS	4	33	79	8

Task No.	Bid Phase	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin.
1	Pre-Bid Meeting		4	2	1
2	Addendums and Questions		6	2	1
3	Bid Opening		4		
4	Bid Evaluation and Recommendation	1	1	4	1
	TOTAL MAN-HOURS	1	15	8	3

Task No.	Construction Administration	Project Manager	Staff 2 Prof	Staff 1 Prof	Admin.
1	Contract Preparation / Printing / Execution	1	1	2	4
2	Pre-Construction Meeting		4		
3	Periodic Site Visits		6	6	
4	Shop Drawings		2	4	
5	Admin./Meetings		4		
6	Report(s) Pay Estimates		2		4
7	Final Inspection	4	4		
8	Record Drawings		1	4	1
	TOTAL MAN-HOURS	5	24	16	9

COST ESTIMATE FOR BASIC SERVICES
CONSTRUCT ACCESS TAXIWAYS - PHASE II @ FOLEY MUNICIPAL AIRPORT

1. Preliminary Phase		Man-hour	Rate	Cost
Labor Costs				
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Staff 1 Professional		15	\$28.37	\$425.55
Administrative Assistant		0	\$22.20	\$0.00
TOTAL DIRECT LABOR				\$1,079.09
Combined Overhead			158.09%	\$1,705.93
TOTAL LABOR COSTS				\$2,785.02
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
	2	100	\$0.545	\$109.00
TOTAL OUT OF POCKET				\$109.00
Total Preliminary Phase Costs				
Sub-Total				\$2,894.02
Operating Margin			15%	\$434.10
FCCM			0.510%	\$5.50
TOTAL PRELIMINARY PHASE				\$3,333.62

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2. Design Phase		Man-hour	Rate	Cost
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TOTAL LABOR COSTS				\$10,757.97
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Sub-Total				\$10,866.97
Operating Margin			15%	\$1,630.05
FCCM			0.510%	\$21.26
TOTAL DESIGN PHASE				\$12,518.28

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3. Bid Phase		Man-hour	Rate	Cost
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TOTAL LABOR COSTS				\$2,679.28
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
	1	100	\$0.545	\$54.50
TOTAL OUT OF POCKET				\$54.50
Total Bid Phase Costs				
Sub-Total				\$2,733.78
Operating Margin			15%	\$410.07
FCCM			0.510%	\$5.29
TOTAL BID PHASE				\$3,149.14

LS

4. Construction Administration		Man-hour	Rate	Cost
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Staff 2 Professional		24	\$45.51	\$1,092.24
Staff 1 Professional		16	\$28.37	\$453.92
Administrative Assistant		9	\$22.20	\$199.80
TOTAL DIRECT LABOR				\$2,055.51
Combined Overhead			158.09%	\$3,249.56
TOTAL LABOR COSTS				\$5,305.07
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
	6	100	\$0.545	\$327.00
TOTAL OUT OF POCKET				\$327.00
Total Construction Administration				
Sub-Total				\$5,632.07
Operating Margin			15%	\$844.81
FCCM			0.510%	\$10.48
TOTAL CONSTRUCTION ADMINISTRATION				\$6,487.36

LS

MAN-HOUR ESTIMATE FOR SPECIAL SERVICES
CONSTRUCT ACCESS TAXIWAYS - PHASE II @ FOLEY MUNICIPAL AIRPORT

Task No.	Construction Observation (2 Months)	Const. Proj. Mgr.	RPR 2	RPR 1
1.	Conduct Pre-Construction Meeting	4	4	
2.	Daily Periodic Site Visits	24	60	240
3.	Prepare Contractor's Pay Estimates	2	4	8
4.	Conduct Final Inspection/Punch List	4	8	8
5.	Prepare Record Drawings	1	8	
6.	Prepare Project Closeout Documentation	1	8	
Total		36	92	256

Task No.	Topographic Survey	PLS	Technician	3 Man Crew
1.	Mobilization and Set Up			2
2.	Establish GPS Control			1
3.	Collection of Topographic Features			7
4.	Process Field Data & Generate Surface		4	
5.	Review & Approve	2		
Total		2	4	10

**COST ESTIMATE FOR SPECIAL SERVICES
CONSTRUCT ACCESS TAXIWAYS - PHASE II @ FOLEY MUNICIPAL AIRPORT**

1. Construction Observation		Man-hour	Rate	Cost
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TOTAL LABOR COSTS				\$25,785.46
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TOTAL OUT OF POCKET				\$1,226.25
Total Construction Observation Costs				
Sub-Total				\$27,011.71
Operating Margin			10%	\$2,701.17
FCCM			0.510%	\$50.95
TOTAL CONSTRUCTION OBSERVATION				\$29,763.83

NTE

2. Topographic Survey		Man-hour	Rate	Cost
Labor Costs				
PLS		2	\$39.50	\$79.00
3 Man Survey Crew		10	\$54.23	\$542.30
Technician		4	\$35.73	\$142.92
TOTAL DIRECT LABOR				\$764.22
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TOTAL LABOR COSTS				\$1,972.38
Out of Pocket Costs				
Travel Expenses	Trips	Miles	Rate	Cost
(Mobile office to airport)	1	50	\$0.545	\$27.25
TOTAL OUT OF POCKET				\$27.25
Total Topographic Survey Costs				
Sub-Total				\$1,999.63
Operating Margin			10%	\$199.96
FCCM			0.510%	\$3.90
TOTAL TOPOGRAPHIC SURVEY				\$2,203.49

NTE

3. DBE Plan Update	Rate	Cost	
Taffy Pippin Consulting, LLC		\$9,000.00	LS
Volkert, Inc.	5%	\$450.00	NTE
TOTAL DBE PLAN UPDATE		\$9,450.00	

4. Geotechnical Investigation & Material Testing	Rate	Cost	
Terracon Consultants, Inc.		\$13,500.00	
Volkert, Inc.	5%	\$675.00	
TOTAL GEOTECHNICAL INVESTIGATION		\$14,175.00	NTE