

OPERATIONAL AUDIT

**OKLAHOMA AERONAUTICS COMMISSION  
CITY OF WEATHERFORD  
PROJECT NUMBER OJA-1 1-F  
LENGTHENING OF EXISTING RUNWAY**

For the period November 10, 2010 through December 2, 2013



Oklahoma State  
Auditor & Inspector  
Gary A. Jones, CPA, CFE

**Audit Report of the  
Oklahoma Aeronautics Commission  
City of Weatherford - Project Number OJA-11-F  
Lengthening of Existing Runway**

**For the Period  
November 10, 2010 through December 2, 2013**



# Oklahoma State Auditor & Inspector

2300 N. Lincoln Blvd. • State Capitol, Room 100 • Oklahoma City, OK 73105 • Phone: 405.521.3495 • Fax: 405.521.3426

December 23, 2013

## TO THE OKLAHOMA AERONAUTICS COMMISSION

At management's request, we have conducted an audit of the Oklahoma Aeronautics Commission (Commission) – City of Weatherford (state project number OJA-11-F) for the period November 10, 2010 through December 2, 2013. The objective of the audit was to determine whether expenditures paid to the City of Weatherford were in accordance with *Exhibit B-1 – Program Narrative* and *Exhibit B-2 – Project Costs* of the airport construction agreement.

According to Exhibit B-1 and Exhibit B-2, the project consisted of extending the existing runway and associated taxiways, installing corresponding lighting, and installing precision approach path indicator (PAPI) in order to increase the airports suitability for higher performance corporate aircraft. The project was budgeted at \$2,859,858. The Commission's share of the budget was \$790,291, the FAA's share of the budget was \$1,935,531 and the City of Weatherford's share was \$134,036.

We conducted this performance audit in accordance with generally accepted government auditing standards. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides a reasonable basis for our findings and conclusions based on our audit objective.

Our audit procedures included inquiries of appropriate Commission personnel, the project engineer, the airport manager, and the Weatherford treasurer; inspection of all invoices and supporting documentation related to project reimbursements; and a physical inspection of the completed project conducted on December 12, 2013. **These procedures indicated that costs paid to the City of Weatherford by the Commission appeared to be in accordance with the *Program Narrative* and the *Project Costs*.**

This report is a public document pursuant to the Oklahoma Open Records Act (51 O.S. § 24A.1 et seq.), and shall be open to any person for inspection and copying.

Sincerely,

A handwritten signature in blue ink, appearing to read "Gary A. Jones".

GARY A. JONES, CPA, CFE  
OKLAHOMA STATE AUDITOR & INSPECTOR

## APPENDIX

**Oklahoma Aeronautics Commission  
Operational Audit  
Appendix- Project Costs (unaudited) and  
Close Out Documentation**

The following information has been presented at the request of management. Therefore, we did not verify the data presented in the following schedules.

Category	Budget	Change Order	Adjusted Budget	Actual	Variance
Construction	\$ 2,449,722.65	\$ 1,157.15	\$ 2,450,879.80	\$ 2,391,283.73	\$ 59,596.07
Engineering	161,650.00			161,650.00	-
Advertising	735.50			66.45	669.05
Inspection	96,500.00			59,785.00	36,715.00
Testing	97,050.00			53,177.00	43,873.00
Update DBE	5,200.00			5,200.00	
EDP Packet	11,000.00			11,000.00	
Survey/Update Approach Survey Rwy 17/35	38,000.00			37,200.00	800.00
<b>Total Project Cost</b>	<b>\$ 2,859,858.15</b>		<b>\$ 2,861,015.30</b>	<b>\$ 2,719,362.18</b>	<b>\$ 141,653.12</b>

	Budget Amount	Budget Amount Including Change Orders	Actual	Variance
City's Share (1.20%)	\$ 134,036.00	\$ 135,193.15	\$ 32,770.25	102,422.90
OAC's Share (27.62%)	790,291.00	790,291.00	751,060.93	39,230.07
FAA's Share (71.18%)	1,935,531.00	1,935,531.00	1,935,531.00	-
	<b>\$ 2,859,858.00</b>	<b>\$ 2,861,015.15</b>	<b>\$ 2,719,362.18</b>	<b>\$ 141,652.97</b>

1. The 15¢ Δ is due to the fact that the B-2 rounds to the nearest dollar when calculating Sponsor/OAC/FAA shares

# Oklahoma Aeronautics Commission Operational Audit Appendix- Project Costs (unaudited) and Close Out Documentation

Line NO.	Description	Bid Unit	Bid Quantity	Unit Price Bid	Bid Amount	Actual Quantity	Actual Cost	Quantity Variance	Cost Variance
1	Traffic Maintenance	LS	1.00	\$ 10,300.00	\$ 10,300.00	1.00	\$ 10,300.00	0.00	\$ -
2	Mobilization, Bonds and Temporary Erosion Control	LS	1.00	41,300.00	41,300.00	1.00	41,300.00	0.00	-
3	Pavement Saw Cut, Full Depth., PCC	LF	185.00	4.50	832.50	75.00	337.50	110.00	495.00
4	Break-Up, Removal & Disposal of Existing Pavement	SY	1,500.00	8.10	12,150.00	1,266.00	10,254.00	234.00	1,895.40
5	Remove Tree	Ea	2.00	750.00	1,500.00	-	-	2.00	1,500.00
6	Remove Fence	LF	800.00	8.00	6,400.00	690.00	5,520.00	110.00	880.00
7	Unclassified Excavation: Strip Topsoil 6"	CY	6,800.00	3.50	23,800.00	6,800.00	23,800.00	0.00	-
8	Unclassified Excavation: Normal Excavation to Required Grades	CY	7,200.00	4.00	28,800.00	7,200.00	28,800.00	0.00	-
9	Embankment in Place: Normal Embankment to required Grades	CY	16,700.00	5.50	91,850.00	16,225.00	89,237.50	475.00	2,612.50
10	Embankment in Place: Replace Topsoil 6" Thick	CY	5,475.00	3.50	19,162.50	5,475.00	19,162.50	0.00	-
11	Surveying (Cross Sectioning for Engineering use only)	Hrs	60.00	60.00	3,600.00	37.00	2,220.00	23.00	1,380.00
12	Construct 7" Aggregate Base Course	SY	10,100.00	14.50	146,450.00	10,100.00	146,450.00	0.00	-
13	Portland Cement Delivered to the site	Tn	220.00	170.00	37,400.00	220.00	37,400.00	0.00	-
14	Soil Cement Base Course, 8" thick	SY	10,100.00	3.10	31,310.00	10,100.00	31,310.00	0.00	-
15	Construct 7" PCC Surface Course with Joints	SY	9,800.00	42.50	416,500.00	9,800.00	416,500.00	0.00	-
16	Runway and Taxiway Paint Removal	SF	14,000.00	1.50	21,000.00	13,959.00	20,938.50	41.00	61.50
17	Permanent Taxiway and Apron Painting w/ Reflective Media	SF	29,600.00	0.87	25,752.00	21,606.00	18,797.22	7994.00	6,954.78
18	Permanent Taxiway and Apron Painting w/out Reflective Media (black paint)	SF	8,290.00	1.50	12,435.00	8,290.00	12,435.00	0.00	-
19	Provide and Install 24" RCP, Storm Sewer Pipe, Class III	LF	165.00	68.00	11,220.00	165.00	11,220.00	0.00	-
20	Provide and Install 24" x 60" RCP, Storm Sewer Pipe, Class III	LF	255.00	298.00	75,990.00	255.00	75,990.00	0.00	-
21	Remove 36" x 22" Corrugated Metal Arch Pipe	LF	160.00	10.00	1,600.00	160.00	1,600.00	0.00	-
22	Construct Precast Concrete End Section for 24" RCP	Ea	2.00	680.00	1,360.00	2.00	1,360.00	0.00	-
23	Construct Precast Concrete End Section for 24" x 60" RCP	Ea	4.00	1,800.00	7,200.00	4.00	7,200.00	0.00	-
24	Seeding (Including Fertilizer and Watering)	Ac	8.00	950.00	7,600.00	-	-	8.00	7,600.00
25	Solid Slab Bermuda Grass Sodding	SY	14,000.00	2.70	37,800.00	14,000.00	37,800.00	0.00	-
26	Furnish & Install Lighting Cable - No 8 AWG, 5kv, 1/c Type C, Stranded	LF	1,840.00	2.00	3,680.00	2,186.00	4,372.00	-346.00	(692.00)
27	Construct 6" X8" Trench w/ Backfill for Counterpoise	LF	1,380.00	2.00	2,760.00	1,582.00	3,164.00	-202.00	(404.00)
28	Furnish & Install Counterpoise, No 6 AWG, Bare Stranded Copper Wire w/ G	LF	1,380.00	2.00	2,760.00	1,582.00	3,164.00	-202.00	(404.00)
29	Construct 6" X 24" trench w/ Backfill for DB Cable	LF	1,765.00	2.70	4,765.50	1,825.00	4,927.50	-60.00	(162.00)
30	Furnish/Install New base-Mounted L-858 Guidance Signs w/ PCC (2-Module)	Ea	2.00	3,960.00	7,920.00	2.00	7,920.00	0.00	-
31	Furnish/Install New base-Mounted L-858 Guidance Signs w/ PCC (2-Module)	Ea	5.00	4,955.00	24,775.00	5.00	24,775.00	0.00	-
32	Furnish/Install New Stake-Mounted MIRL Light Fixtures w/ clear glassware	Ea	7.00	725.00	5,075.00	7.00	5,075.00	0.00	-
33	Remove, Store, Re-install Existing Stake-Mounted MITHL at Rwy 17 Threshh	LS	1.00	3,450.00	3,450.00	1.00	3,450.00	0.00	-
34	Remove existing 2-Box PAPI on Rwy 17 and deliver parts to Airport Manager	LS	1.00	1,100.00	1,100.00	1.00	1,100.00	0.00	-
35	Furnish and Install All New L-881, Style A, Class I PAPI on Rwy 17	LS	1.00	19,800.00	19,800.00	1.00	19,800.00	0.00	-
36	Furnish and Install Lighting Junction Boxes with PCC Pad	Ea	1.00	1,700.00	1,700.00	1.00	1,700.00	0.00	-
37	Furnish & Install new L-828 7.5 KW Constant Current Regulator	Ea	1.00	1,100.00	1,100.00	1.00	1,100.00	0.00	-
38	Insurance Premium (Third Party)	LS	1.00	950.00	950.00	1.00	950.00	0.00	-
<b>Subtotal for Base Bid</b>					<b>\$ 1,153,147.50</b>		<b>\$ 1,131,430.32</b>		<b>\$ 21,717.18</b>
<b>Alternate 1 - Taxiway Widening</b>									
39	Traffic Maintenance	LS	1.00	\$ 22,100.00	\$ 22,100.00	1.00	\$ 22,100.00	0.00	\$ -
40	Mobilization, Bonds and Temporary Erosion Control	LS	1.00	24,100.00	24,100.00	1.00	24,100.00	0.00	-
41	Pavement Saw Cut, Full Depth., PCC	LF	485.00	\$ 2.75	1,333.75	-	-	0.00	1,333.75
42	Break-Up, Removal & Disposal of Existing Pavement	SY	225.00	8.50	1,912.50	208.00	1,768.00	0.00	144.50
43	Remove Concrete Head Wall	Ea	4.00	380.00	1,520.00	4.00	1,520.00	0.00	-
44	Unclassified Excavation: Strip Topsoil 6"	CY	5,250.00	3.50	18,375.00	5,250.00	18,375.00	0.00	-
45	Unclassified Excavation: Normal Excavation to Required Grades	CY	7,450.00	4.50	33,525.00	4,817.00	21,676.50	0.00	11,848.50
46	Embankment in Place: Normal Embankment to required Grades	CY	1,350.00	4.50	6,075.00	-	-	0.00	6,075.00
47	Embankment in Place: Replace Topsoil 6" Thick	CY	3,575.00	3.50	12,512.50	3,213.00	11,245.50	0.00	1,267.00
48	Surveying (Cross Sectioning for Engineering use only)	Hrs	40.00	60.00	2,400.00	-	-	0.00	2,400.00
49	Construct 7" Aggregate Base Course	SY	9,100.00	14.50	131,950.00	9,025.80	130,874.10	0.00	1,075.90
50	Portland Cement Delivered to the site	Tn	215.00	170.00	36,550.00	173.49	29,493.30	0.00	7,056.70
51	Soil Cement Base Course, 8" thick	SY	9,100.00	3.10	28,210.00	8,511.80	26,386.58	485.00	1,823.42
52	Construct 7" PCC Surface Course with Joints	SY	8,845.00	42.50	375,912.50	8,628.50	366,711.25	17.00	9,201.25
53	Runway and Taxiway Paint Removal	SF	9,035.00	1.80	16,263.00	4,520.00	8,136.00	0.00	8,127.00
54	Permanent Taxiway and Apron Painting w/ Reflective Media	SF	13,550.00	1.33	18,021.50	13,550.00	18,021.50	0.00	-
55	Permanent Taxiway and Apron Painting w/out Reflective Media (black paint)	SF	16,240.00	1.21	19,650.40	13,183.00	15,951.43	2633.00	3,698.97
56	Provide and Install 18" RCP, Storm Sewer Pipe, Class III	LF	155.00	60.00	9,300.00	155.00	9,300.00	1350.00	-
57	Provide and Install 24" RCP, Storm Sewer Pipe, Class III	LF	165.00	68.00	11,220.00	165.00	11,220.00	362.00	-
58	Provide and Install 23" x 14" RCP Elliptical Storm Sewer Pipe, Class III	LF	30.00	80.00	2,400.00	10.00	800.00	40.00	1,600.00
59	Provide and Install 29" x 18" RCAP, Class III	LF	10.00	98.00	980.00	10.00	980.00	74.20	-
60	Construct Single Grated Inlet	Ea	3.00	3,700.00	11,100.00	3.00	11,100.00	41.51	-
61	Modify Existing Inlet-Remove Grate, Adjust to Grade	Ea	1.00	650.00	650.00	1.00	650.00	588.20	-
62	Construct Precast Concrete Elliptical End Section 23" x 14"	Ea	2.00	750.00	1,500.00	2.00	1,500.00	216.50	-
63	Remove Existing 18" CGMP Storm Sewer - Waste Off Airport Property	LF	30.00	8.00	240.00	30.00	240.00	4515.00	-
64	Seeding (Including Fertilizer and Watering)	Ac	6.00	750.00	4,500.00	-	-	0.00	4,500.00
65	Solid Slab Bermuda Grass Sodding	SY	11,875.00	2.70	32,062.50	11,875.00	32,062.50	3057.00	-
66	Construct 6" x 24" Trench w/ backfill for 2" PVC	LF	11,690.00	2.55	29,809.50	13,556.00	34,567.80	0.00	(4,758.30)
67	Furnish & Install Lighting Cable - No 8 AWG, 5kv, 1/c Type C, Stranded	LF	14,220.00	1.95	27,729.00	21,420.00	41,769.00	0.00	(14,040.00)
68	Construct 6" X8" Trench w/ Backfill for Counterpoise	LF	11,530.00	1.75	20,177.50	13,018.00	22,781.50	20.00	(2,604.00)
69	Furnish & Install Counterpoise, No 6 AWG, Bare Stranded Copper Wire w/ G	LF	11,530.00	1.85	21,330.50	13,018.00	24,083.30	0.00	(2,752.80)
70	Furnish and Install 2" Schedule 40 PVC Conduit by Bore	LF	2,280.00	25.00	57,000.00	2,365.00	59,125.00	0.00	(2,125.00)
71	Furnish and Install 2" Schedule 40 PVC Conduit in Trench	LF	11,700.00	2.00	23,400.00	15,279.00	30,558.00	0.00	(7,158.00)
72	Furnish/Install base-Mounted L-852T LED Semi-Flush Mounted Taxiway Lig	Ea	73.00	1,510.00	110,230.00	73.00	110,230.00	0.00	-
73	Furnish/Install base-Mounted L-861T LED ETES Taxiway Lights	Ea	167.00	905.00	151,135.00	154.00	139,370.00	0.00	11,765.00
74	Furnish/Install Pull Boxes w/ L-867 Light Base and PCC Pad	Ea	49.00	600.00	29,400.00	50.00	30,000.00	6.00	(600.00)
75	Furnish/Install Lighting Junction Boxes w/ PCC Pad	Ea	1.00	2,000.00	2,000.00	1.00	2,000.00	0.00	-
<b>Subtotal for Alternate 1</b>					<b>\$ 1,296,575.15</b>		<b>\$ 1,258,696.26</b>		<b>\$ 37,878.89</b>
<b>Total for Base Bid and Alternate 1</b>					<b>\$ 2,449,722.65</b>		<b>\$ 2,390,126.58</b>		<b>\$ 59,596.07</b>
Line NO.	Description	Bid Unit	Change Order Bid Quantity	Change Order Unit Price Bid	Change Order Bid Amount	Actual Quantity	Actual Cost	Quantity Variance	Cost Variance
76	Supplemental Agreement	Ea	1.00	\$ 1,157.15	\$ 1,157.15	1.00	\$ 1,157.15	0.00	\$ -
<b>Total</b>					<b>\$ 2,450,879.80</b>		<b>\$ 2,391,283.73</b>		<b>\$ 59,596.07</b>

Oklahoma Aeronautics Commission  
Operational Audit  
Appendix- Project Costs (unaudited) and  
Close Out Documentation

NOTICE OF FINAL INSPECTION

Date: 11-1-2011  
Project Number: OJA-11-F  
Airport: Thomas P. Stafford

TO: Oklahoma Aeronautics Commission  
120 N. Robinson, Suite 1244 W  
Oklahoma City OK 73102  
(405) 604-6900 – phone  
(405) 604-6919 – fax

FROM: Mark Schoonmaker  
Airport Manager  
522 W Rainey  
Address  
Weatherford, 73096  
City/Town and Zip Code  
580-774-1971  
Area Code and Phone Number

This is to advise you that the above referenced project is complete and ready for final

inspection. The final inspection is scheduled to begin at 11 A.M.  
(Time)

on November 4, 2011 at Thomas P. Stafford Airport  
(Date) (Location)

Prior to making this request, I have carefully gone over this project and have found there to be no known plan omissions and that the work is complete and in reasonably close conformity with approved plans and specifications.

  
Signature of above named person

Airport Manager  
Title of above named person

**Oklahoma Aeronautics Commission  
Operational Audit  
Appendix- Project Costs (unaudited) and  
Close Out Documentation**

**FINAL INSPECTION REPORT**

Date: Nov 4, 2011 Project No: OJA-11-F Airport: Thomas P. Stafford

TO: Oklahoma Aeronautics Commission  
120 N. Robinson, Suite 1244 W  
Oklahoma City OK 73102  
(405) 604-6900 – phone  
(405) 604-6919 – fax

FROM: Mark Schoonmaker  
Airport Manager

522 W Rainey  
Address

Weatherford, 73096  
City/Town and Zip Code

580-774-1971  
Area Code and Phone Number

Final inspection on the above project was made by Mark Schoonmaker  
(Airport Manager)

on November 4, 2011 at Thomas P. Stafford Airport  
(Date) (Location)

Personnel attending inspection:

name-title-organization	name-title-organization
Antonio Martinez- SAC Services Inc.	John Creswell-Airport Manager-City of Weatherford
Dale Williams- OAC	Vivek Khanna-OAC
Jed Banks-LBR Inc	Kevin Reeder-LBR Inc
Clarence Reeder-Inspector	Alan Wilson- Libra Electric

The project was found acceptable with the following exceptions:

1. Please install the remaining Solid Slab Bermuda Sodding, as directed by the Airport Manager.



Oklahoma Aeronautics Commission  
Operational Audit  
Appendix- Project Costs (unaudited) and  
Close Out Documentation

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2. Remove any, and all, construction debris from the project site. More specifically, but not limited to, there remains a considerable amount of foreign objects and debris (FOD) on the pavement surfaces, and adjacent to the work areas.

3. The City is to grade the Safety Area Length, Beyond the Runway 17 End, to the grades, depicted on the plans. This work was deleted from the Contractor's work, by the City of Weatherford. This was due to a portion, of the golf course, not being relocated before the Contractor de-mobilized the equipment required to complete this work.

Anticipated completion date for above exceptions: November 30, 2011

  
Signature of above named person

Airport Manager  
Title of above named person

Oklahoma Aeronautics Commission  
Operational Audit  
Appendix- Project Costs (unaudited) and  
Close Out Documentation

FINAL ACCEPTANCE NOTICE

Date: November 30, 2011  
Project Number: OJA-11-F  
Airport: Thomas P. Stafford

TO: Oklahoma Aeronautics Commission  
120 N. Robinson, Suite 1244 W  
Oklahoma City OK 73102  
(405) 604-6900 – phone  
(405) 604-6919 – fax

FROM: Mark Schoonmaker  
Airport Manager  
522 W Rainey  
Address  
Weatherford, 73096  
City/Town and Zip Code  
580-774-1971  
Area Code and Phone Number

This is to advise you that the exceptions found at the final inspection have been completed or corrected. The project is accepted by Mark Schoonmaker  
(Airport Manager)  
on 11-30-2011 at Thomas P. Stafford Airport  
(Date) (Location)

  
Signature of above named person

Airport Manager  
Title of above named person

NOTE: If no exceptions are found at the Final Inspection, submit this form at the same time the Final Inspection is completed, showing acceptance of the Project.



**OFFICE OF THE STATE AUDITOR & INSPECTOR**  
2300 N. LINCOLN BOULEVARD, ROOM 100  
OKLAHOMA CITY, OK 73105-4896

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