

OPERATIONAL AUDIT

OKLAHOMA AERONAUTICS COMMISSION

CITY OF ENID - PROJECT NUMBER WDG-06-F
RUNWAY IMPROVEMENTS

For the period September 30, 2005 through October 10, 2011



*Independently serving the citizens of
Oklahoma by promoting the
accountability and fiscal integrity of
governmental funds.*



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

**Audit Report of the
Oklahoma Aeronautics Commission
City of Enid - Project Number WDG-06-F
Runway Improvements**

**For the period
September 30, 2005 through October 10, 2011**



Oklahoma State Auditor & Inspector

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

March 21, 2012

TO THE OKLAHOMA AERONAUTICS COMMISSION

Pursuant to your request, this is the audit report for the Oklahoma Aeronautics Commission – City of Enid (state project number WDG-06-F) for the period of September 30, 2005 through October 10, 2011. The goal of the State Auditor and Inspector is to promote accountability and fiscal integrity in state and local government. Maintaining our independence as we provide this service to the taxpayers of Oklahoma is of utmost importance.

We wish to take this opportunity to express our appreciation for the assistance and cooperation extended to our office during our engagement.

Sincerely,

A handwritten signature in blue ink that reads "Gary A. Jones". The signature is fluid and cursive, with a long horizontal stroke at the end.

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

Background

The Oklahoma Aeronautics Commission (the Commission) was created to encourage, foster, and assist in the development of aeronautics in Oklahoma and to encourage the establishment and maintenance of public airports. This includes the preservation and improvement of the state’s 114 public airports, which make up the state’s airport system and the promotion of the aviation industry, one of the top ten employers in Oklahoma, providing 143,700 jobs.

Oversight is provided by seven commission members. They are:

- Rick Armstrong..... Chairman
- Dr. David Conway Vice-Chairman
- Joe Harris Secretary
- Wes StuckyMember
- Dave AmisMember
- Michael Ray.....Member
- Tom Stephenson.Member

The City of Enid (the Sponsor) applied for assistance from the Commission to reduce Runway 17-35 from 150 feet to 100 feet and to provide new lighting, guidance signs and marking for the entire runway and taxiway systems. The Commission committed \$124,321 to this \$5,004,255 project, while the Sponsor pledged \$124,322. The Federal Aviation Administration (FAA) funded the difference.

Purpose and Scope

This audit was conducted in response to the Commission’s request.

The audit period covered was September 30, 2005 through October 10, 2011.

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 objectives. 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.

Objective - Determine whether expenditures paid to the City of Enid (state project number WDG-06-F) were in accordance with “Exhibit B-1 - Program Narrative” and “Exhibit B-2 - Project Costs” of the airport construction agreement.

Conclusion

The expenditures paid to the City of Enid were in accordance with “Exhibit B-1 – Program Narrative” and “Exhibit B-2 – Project Costs” of the airport construction agreement.

Methodology

To accomplish our objective, we performed the following:

- Reviewed the airport construction agreement

Oklahoma Aeronautics Commission
Operational Audit

- Interviewed the airport manager and the chief financial officer from the City of Enid
- Reviewed the bid submitted by the construction contractor for the project
- Reviewed all invoices submitted by the contractors to the engineer and Sponsor
- Reviewed all requests for reimbursement submitted by the Sponsor
- Documented the expenditure process related to the construction project
- Observed the completed project.

There were no exceptions noted as a result of these procedures.

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. Our objective was to determine whether expenditures paid to the City of Enid (state project number WDG-06-F) were in accordance with “Exhibit B-1 – Program Narrative” and “Exhibit B-2 – Project Costs” of the airport construction agreement. Therefore, we did not conclude on the following schedules and information.

Category	Budget	Change Order	Adj. Budget	Actual	Variance
Advertising	\$ 1,950	\$ -	\$ 1,950	\$ 799	\$ 1,151
Engineering and Re-Design	381,465	-	381,465	512,625	(131,160)
Testing	52,750	-	52,750	52,750	-
Inspection	95,000	(2,000)	93,000	93,000	-
Field Survey	13,615	-	13,615	13,615	-
Part 139 Sign Plan	3,600	-	3,600	3,600	-
FAA slope indicator lights	45,000	-	45,000	104,150	(59,150)
Utility Relocation	85,000	-	85,000	-	85,000
Construction	4,294,489	33,386	4,327,875	4,270,893	56,982
Total Eligible Project Costs	\$ 4,972,869	\$ 31,386	\$ 5,004,255	\$ 5,051,432	\$ (47,177)

	Grant Amount	Actual Amount	Variance
FAA's Share - 95%	\$ 4,755,612	\$ 4,796,053	\$ (40,441)
Commission's Share - 2.5%	124,321	124,321	-
Sponsor's Share - 2.5%	124,322	131,058	(6,736)
Total	\$ 5,004,255	\$ 5,051,432	\$ (47,177)

Note: Change orders were not submitted for the engineering/re-design or FAA slope indicator lights overages.

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

Construction Costs	Bid Qty	Per Unit Bid	Bid Price	Actual Quantity	Per Unit Actual	Actual Cost	Variance on Qty	Variance on Cost
<i>Base Bid B</i>								
Traffic Maintenance	1.00	\$ 65,000.00	\$ 65,000.00	1.00	\$ 65,000.00	\$ 65,000.00	0.00	\$ -
Mobilization, Bonds, Temp. Erosion Control	1.00	100,000.00	100,000.00	1.00	100,000.00	100,000.00	0.00	-
Saw Cutting Full Depth Asphalt/Concrete	1,365.00	3.00	4,095.00	303.00	3.00	909.00	1,062.00	3,186.00
Break-Up/Removal/Disposal of Asphalt Pavement	20,552.00	3.25	66,794.00	20,552.00	3.25	66,794.00	0.00	-
Crack Filling for Cracks 1" and Wider	5,212.00	25.00	130,300.00	5,212.00	25.00	130,300.00	0.00	-
Profile Milling Asphalt Pavement for Shoulder 0-1" Depth	1,462.00	4.51	6,593.62	1,462.00	4.51	6,593.62	0.00	-
Profile Milling Asphalt Pavement for Shoulder 0-1.65" Depth	1,639.00	4.51	7,391.89	3,628.00	4.51	16,362.28	-1,989.00	(8,970.39)
Paint Removal (Temporary Runway)	51,500.00	0.83	42,745.00	3,208.00	0.83	2,662.64	48,292.00	40,082.36
Unclassified Excavation: Strip 6" Topsoil/Stockpile/Waste	9,722.00	4.00	38,888.00	9,722.00	4.00	38,888.00	0.00	-
Unclassified Excavation: Normal	7,237.00	4.00	28,948.00	7,237.00	4.00	28,948.00	0.00	-
Field Surveying (Cross Section Only)	60.00	90.00	5,400.00	29.00	90.00	2,610.00	31.00	2,790.00
Embankment in Place: Normal Embankment to Required Grades	3,269.00	4.50	14,710.50	3,269.00	4.50	14,710.50	0.00	-
Embankment in Place: Replace 4.5" Topsoil	9,721.00	4.50	43,744.50	9,721.00	4.50	43,744.50	0.00	-
Construct 9" Sand Clay Subbase Course	3,867.00	5.00	19,335.00	3,867.00	5.00	19,335.00	0.00	-
Portland Cement Delivered to the Site	95.00	135.00	12,825.00	95.00	135.00	12,825.00	0.00	-
8" Cement Treated Working Platform	3,867.00	4.00	15,468.00	5,970.00	4.00	23,880.00	-2,103.00	(8,412.00)
Asphalt Runway Shoulders-Variable Width	3,864.00	72.00	278,208.00	3,864.00	72.00	278,208.00	0.00	-
Asphalt Leveling Course (Non-Continuous) for PCC Overlay	2,959.00	72.00	213,048.00	2,959.00	72.00	213,048.00	0.00	-
Bituminous Tack Coat	1,972.00	3.03	5,975.16	834.00	3.03	2,527.02	1,138.00	3,448.14
PCC Overlay Surface Course with Joints	40,061.00	24.50	981,494.50	40,061.00	24.50	981,494.50	0.00	-
PCC Surface Course with Joints, 6" Thick	3,715.00	30.00	111,450.00	3,715.00	30.00	111,450.00	0.00	-
PCC Saw-Cut Grooving	40,061.00	1.97	78,920.17	40,061.00	1.97	78,920.17	0.00	-
Temporary Runway-Paint Removal	0.00	-	-	25,675.00	0.83	21,310.25	-25,675.00	(21,310.25)
Temporary Runway Painting without Reflective Media	51,500.00	0.51	26,265.00	22,467.00	0.51	11,458.17	29,033.00	14,806.83
Permanent Runway & Taxiway Painting w/o Reflective Media	28,750.00	0.77	22,137.50	36,121.00	0.77	27,813.17	-7,371.00	(5,675.67)
Permanent Runway & Taxiway Painting with Refelctive Media	122,117.00	\$ 0.43	\$ 52,510.31	98,248.00	\$ 0.43	\$ 42,246.64	23,869.00	\$ 10,263.67

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

Construction Costs	Bid Qty	Per Unit Bid	Bid Price	Actual Quantity	Per Unit Actual	Actual Cost	Variance on Qty	Variance on Cost
Internally Lighted 8' Supplemental Wind Cone (L-806) on 16' Pole	2.00	\$ 7,216.00	\$ 14,432.00	2.00	\$ 7,216.00	\$ 14,432.00	0.00	\$ -
Internally Lighted 12' Main Wind Cone (L-807) on 16' Pole	1.00	8,503.00	8,503.00	1.00	8,503.00	8,503.00	0.00	-
Trenching and Backfill, 6" x 24"	15,500.00	1.98	30,690.00	15,732.00	1.98	31,149.36	-232.00	(459.36)
Cable, No. 8 AWG, 5 kV, 1/C, Stranded, Type C	22,400.00	1.38	30,912.00	21,073.00	1.38	29,080.74	1,327.00	1,831.26
Counterpoise, No. 8 AWG Bare Stranded Copper Wire	21,100.00	0.66	13,926.00	21,073.00	0.66	13,908.18	27.00	17.82
Conduit, 2" Schedule 40 PVC, Installed in Trench	15,400.00	1.65	25,410.00	14,321.00	1.65	23,629.65	1,079.00	1,780.35
Conduit, 2" Schedule 40 PVC, Installed by Bore	1,820.00	23.10	42,042.00	1,411.00	23.10	32,594.10	409.00	9,447.90
Provide Temporary Lighting System for Runway 17L - 35R	1.00	69,865.00	69,865.00	1.00	69,865.00	69,865.00	0.00	-
Remove Existing Stake-Mounted MITL/MIRL/MITHL Fixtures	1.00	3,883.00	3,883.00	1.00	3,883.00	3,883.00	0.00	-
Furnish and Install Base-Mounted MITL Fixtures	37.00	1,067.00	39,479.00	41.00	1,067.00	43,747.00	-4.00	(4,268.00)
Furnish and Install Base-Mounted MITL Fixtures	8.00	836.00	6,688.00	8.00	836.00	6,688.00	0.00	-
Furnish and Install Base-Mounted MITL Fixtures	48.00	858.00	41,184.00	48.00	858.00	41,184.00	0.00	-
Furnish and Install Base-Mounted MITL Fixtures	10.00	880.00	8,800.00	10.00	880.00	8,800.00	0.00	-
Furnish and Install Base-Mounted MITHL Fixtures	16.00	858.00	13,728.00	16.00	858.00	13,728.00	0.00	-
Furnish and Install Base-Mounted MITHL Fixtures	4.00	869.00	3,476.00	4.00	869.00	3,476.00	0.00	-
Furnish and Install Base-Mounted MITHL Fixtures	4.00	880.00	3,520.00	10.00	880.00	8,800.00	-6.00	(5,280.00)
Furnish and Install Base-Mounted Guidance Signs	8.00	3,366.00	26,928.00	7.81	3,366.00	26,288.46	0.19	639.54
Furnish and Install Lighting Junction Boxes	68.00	561.00	38,148.00	70.00	561.00	39,270.00	-2.00	(1,122.00)
Furnish and Install Base-Mounted REILs Fixtures	1.00	12,540.00	12,540.00	1.00	12,540.00	12,540.00	0.00	-
Core-Drill (24" Diameter) Existing Pavement for Light Install	82.00	627.00	51,414.00	82.00	627.00	51,414.00	0.00	-
Seeding	16.10	715.00	11,511.50	0.00	715.00	-	16.10	11,511.50
Solid Slab Bermuda Sodding	13,336.00	1.60	21,337.60	10,670.00	1.60	17,072.00	2,666.00	4,265.60
10-20-10 Fertilizer at 500 lbs. per Acre in Two Applications	5.00	605.00	3,025.00	4.00	605.00	2,420.00	1.00	605.00
Insurance Premium to Add City & Engineer	1.00	\$ 500.00	\$ 500.00	1.00	\$ 500.00	\$ 500.00	0.00	\$ -

**Oklahoma Aeronautics Commission
Operational Audit
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Construction Costs	Bid Qty	Per Unit Bid	Bid Price	Actual Quantity	Per Unit Actual	Actual Cost	Variance on Qty	Variance on Cost
<i>Alternative B-1</i>								
Saw Cutting - Full Depth Asphalt and/or Concrete	499.00	\$ 3.00	\$ 1,497.00	0.00	\$ 3.00	\$ -	499.00	\$ 1,497.00
Break up, Removal and Disposal of Asphalt Pavement	3,774.00	3.25	12,265.50	1,257.00	3.25	4,085.25	2,517.00	8,180.25
Crack Filling for Cracks 1" and Wider	5,212.00	25.00	130,300.00	2,624.00	25.00	65,600.00	2,588.00	64,700.00
Profile Milling Asphalt Pavement for Shoulders 0-1" Depth	1,346.00	4.51	6,070.46	978.30	4.51	4,412.13	367.70	1,658.33
Profile Milling Asphalt Pavemet for Runways 0-1.65" Depth	6,261.00	4.51	28,237.11	6,261.00	4.51	28,237.11	0.00	-
Reconstruct Access Roads to Equipment	1.00	-	-	0.00	-	-	1.00	-
Unclassified Excavation: Strip 6" Topsoil/Stockpile/Waste	6,762.00	4.00	27,048.00	6,762.00	4.00	27,048.00	0.00	-
Unclassified Excavation: Normal Excavation to Required Grades	3,252.00	4.00	13,008.00	3,252.00	4.00	13,008.00	0.00	-
Field Surveying (Cross Section Only)	40.00	90.00	3,600.00	9.50	90.00	855.00	30.50	2,745.00
Embankment in Place: Normal Embankment to Required Grades	836.00	4.50	3,762.00	836.00	4.50	3,762.00	0.00	-
Embankment in Place: Replace 5.5" Topsoil	6,510.00	4.50	29,295.00	6,510.00	4.50	29,295.00	0.00	-
Construct 9" Sand Clay Subbase Course	2,285.00	5.00	11,425.00	2,285.00	5.00	11,425.00	0.00	-
Portland Cement Delivered to the Site	53.00	135.00	7,155.00	33.90	135.00	4,576.50	19.10	2,578.50
8" Cement Treated Working Platform	2,285.00	4.00	9,140.00	1,711.40	4.00	6,845.60	573.60	2,294.40
Asphalt Runway Shoulders. Variable Width	1,930.00	72.00	138,960.00	754.47	72.00	54,321.84	1,175.53	84,638.16
Asphalt Leveling Course (Non-Continuous) for PCC Overlay	418.00	72.00	30,096.00	111.00	72.00	7,992.00	307.00	22,104.00
Bituminous Tack Coat	1,454.00	3.03	4,405.62	165.75	3.03	502.22	1,288.25	3,903.40
PCC Overlay Surface Course with Joints	32,222.00	24.50	789,439.00	31,494.10	24.50	771,605.45	727.90	17,833.55
PCC Surface Course with Joints, 6" Thick	2,195.00	30.00	65,850.00	2,382.00	30.00	71,460.00	-187.00	(5,610.00)
PCC Saw-Cut Grooving	32,222.00	1.97	63,477.34	15,316.77	1.97	30,174.04	16,905.23	33,303.30
Seeding	8.80	715.00	6,292.00	0.00	715.00	-	8.80	6,292.00
Solid Slab Bermuda Sodding	10,726.00	1.60	17,161.60	7,151.00	1.60	11,441.60	3,575.00	5,720.00
10-20-10 Fertilizer at 500 lbs. per Acre in Two Applications	3.00	\$ 605.00	1,815.00	2.40	\$ 605.00	1,452.00	0.60	363.00
Supplemental Agreement No. 1			\$ (73.18)			(73.18)		-
Less Failed Tests						\$ (522.50)		\$ 522.50

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

Construction Costs	Bid Qty	Per Unit Bid	Bid Price	Actual Quantity	Per Unit Actual	Actual Cost	Variance on Qty	Variance on Cost
Traffic Maintenance						\$ 6,757.77		\$ (6,757.77)
Mobilization, Bonds, Temp. Erosion Ctrl						3,408.64		(3,408.64)
Base A						8,835.20		(8,835.20)
Sub grade M B						11,485.51		(11,485.51)
Sep. Fabric						2,707.50		(2,707.50)
Prime Coat						1,069.50		(1,069.50)
411 Asphalt						9,879.00		(9,879.00)
Remove VASI and Restore Site						1,606.82		(1,606.82)
Ditch Crossing Concrete						6,678.84		(6,678.84)
Bermuda, Water, Fertilize						3,072.60		(3,072.60)
Remove, Store, 18 Threshold lights						761.94		(761.94)
Construct in Pavement MASLR lights						47,177.16		(47,177.16)
Install PAPI						58,101.18		(58,101.18)
Install PAPI						61,558.07		(61,558.07)
Install LED light						8,992.34		(8,992.34)
10 KW Regulator						-		-
Insurance Add Premium City of Enid						2,888.67		(2,888.67)
Change Order No. 1			\$ 28,421.86			28,421.86		-
Change Order No. 2			5,037.56			5,037.56		-
Retainage						9,938.40		(9,938.40)
			<u>\$ 4,327,875.12</u>			<u>\$ 4,270,892.57</u>		<u>\$ 56,982.55</u>

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

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JUN 30 2011

FINAL INSPECTION REPORT



Date: June 15, 2011, Project No: WDG-06-F Airport: Enid Woodring Regional

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

FROM: Rick Weis, project engineer, LBR Inc
Project Engineer, Mayor, City Manager

1802 Wright Dr
Address

Stillwater, OK 74075
City/Town and Zip Code

405-377-8276
Area Code and Phone Number

Final inspection on the above project was made by Dan Ohnesorge, Airport Director
(Project Engineer, Mayor, City Manager)

on August 31, 2010 at Enid Woodring Regional Airport
(Date) (Location)

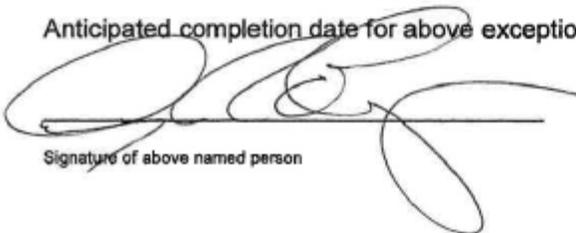
Personnel attending inspection:

name-title-organization	name-title-organization
Charles Hartley, OKCA SSC	Dan Ohnesorge, Airport Director
Ken Gammon, OKCA SSC	Rick Weis, LBR
Greg Hutsko, AJW C14J	Shelby Bohmfalk, FAA

The project was found acceptable with the following exceptions:

- 1) Drainage around 35 PAPI-----Corrected
- 2) Lightning rods at both 17 & 35 PAPI junction boxes too short---Corrected

Anticipated completion date for above exceptions: Done


Signature of above named person

Airport Director
Title of above named person

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

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JUN 30 2011

FINAL ACCEPTANCE NOTICE



Date: June 21, 2011
Project Number: WDG-06-F
Airport: Enid Woodring Regional Airport

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

FROM: Hon. Bill Shewey, Mayor of Enid
Project Engineer, Mayor, City Manager
401 W Owen K Garriott
Address
Enid, OK 73701
City/Town and Zip Code
580-616-7246
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 Hon. Bill Shewey
(Project Engineer, Mayor, City Manager)

on June 21, 2011
(Date) at The City of Enid, OK
(Location)

Bill Shewey Mayor of Enid
Signature of above named person 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 AND INSPECTOR

2300 N. LINCOLN BOULEVARD, ROOM 100

OKLAHOMA CITY, OK 73105-4896

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