

OPERATIONAL AUDIT

OKLAHOMA AERONAUTICS COMMISSION CITY OF STILLWATER – PROJECT NUMBER SWO-12-FS REHABILITATION AND RECONFIGURING OF TAXIWAYS AND APRONS

For the period September 8, 2011 through November 4, 2013



*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 Stillwater - Project Number SWO-12-FS
Rehabilitation and Reconfiguring of Taxiways and Aprons**

**For the Period
September 8, 2011 through November 4, 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 4, 2013

TO THE OKLAHOMA AERONAUTICS COMMISSION

At management's request, we have conducted an audit of the Oklahoma Aeronautics Commission (Commission) – City of Stillwater (state project number SWO-12-FS) for the period September 8, 2011 through November 4, 2013. The objective of the audit was to determine whether expenditures paid to the City of Stillwater 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 was to rehabilitate and reconfigure taxiways and aprons. The project was budgeted at \$4,044,958. The Commission's share of the budget was \$363,158, the FAA's share of the budget was \$3,497,520, and the City of Stillwater's share was \$184,280.

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 Stillwater finance director; inspection of all invoices and supporting documentation related to project reimbursements; and a physical inspection of the completed project conducted on November 26, 2013. **These procedures indicated that costs paid to the City of Stillwater 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", is written over a horizontal line.

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	\$ 3,692,789.35	\$ 37,298.44	\$ 3,730,087.79	\$ 3,711,372.98	\$ 18,714.81
Engineering	75,595.00			75,595.00	-
Advertising	1,073.65			505.48	568.17
Testing	125,000.00			46,074.50	78,925.50
Grant Administration	20,000.00			19,490.00	510.00
Inspection	115,000.00			74,607.50	40,392.50
EPD Packet	3,500.00			3,500.00	-
Up-date Airport Layout Drawing	12,000.00			12,000.00	-
Eligible Project Cost	<u>\$ 4,044,758.00</u>			<u>\$ 3,942,945.46</u>	<u>\$ 139,110.98</u>
Third party Insurance (Ineligible)	200.00			200.00	-
Total Project Cost	<u>\$ 4,044,958.00</u>			<u>\$ 3,943,145.46</u>	<u>\$ 139,110.98</u>

	Budget Amount	Budget Amount Including Change Orders	Actual	Variance
City's Share (4.61%)	\$ 184,280.00	\$ 221,578.44	\$ 181,850.95	39,727.49
OAC's Share (8.94%)	363,158.00	363,158.00	352,313.51	10,844.49
FAA's Share (86.45%)	<u>3,497,520.00</u>	<u>3,497,520.00</u>	<u>3,408,981.00</u>	<u>88,539.00</u>
	<u>\$ 4,044,958.00</u>	<u>\$ 4,082,256.44</u>	<u>\$ 3,943,145.46</u>	<u>\$ 139,110.98</u>

**Oklahoma Aeronautics Commission
Operational Audit
Appendix- Project Costs (unaudited) and
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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	\$ 49,869.17	\$ 49,869.17	1.00	\$ 49,869.17	0.00	\$ -
2	Mobilization, Bonds and Temporary Erosion Control	LS	1.00	123,173.10	123,173.10	1.00	123,173.10	0.00	-
3	Saw Cutting - Full Depth Asphalt or Concrete	LF	1,730.00	5.57	9,636.10	715.00	3,982.55	1015.00	5,653.55
4	Break-Up, Removal & Disposal of Existing Taxiway	SY	26,910.00	4.52	121,633.20	25,219.00	113,989.88	1691.00	7,643.32
5	Unclassified Excavation: Strip Topsoil 6"	CY	11,100.00	2.70	29,970.00	11,100.00	29,970.00	0.00	-
6	Unclassified Excavation: Normal Excavation to Required Grades	CY	8,710.00	3.25	28,307.50	8,710.00	28,307.50	0.00	-
7	Embankment in Place: Normal Embankment to required Grades	CY	15,920.00	3.30	52,536.00	15,920.00	52,536.00	0.00	-
8	Embankment in Place: Replace Topsoil 6" Thick	CY	10,885.00	2.94	32,001.90	10,885.00	32,001.90	0.00	-
9	Borrow Excavation from on Airport Property	CY	7,210.00	4.79	34,535.90	7,210.00	34,535.90	0.00	-
10	Surveying (Cross Sectioning for Engineering use only)	Hrs	85.00	110.00	9,350.00	24.77	2,724.70	60.23	6,625.30
11	Lime Delivered to the Site	Tn	500.00	154.70	77,350.00	496.45	76,800.82	3.55	549.19
12	Construct 8" Lime-Treated Subgrade	SY	25,205.00	2.41	60,744.05	23,871.00	57,529.11	1334.00	3,214.94
13	Construct 7" Econocrete Base Course with Applied Bond Breaker	SY	25,280.00	23.70	599,136.00	23,871.00	565,742.70	1409.00	33,393.30
14	Construct 16" Single-Lift PCC Taxiway Pavement with Joints	SY	3,945.00	68.73	271,139.85	3,945.00	271,139.85	0.00	-
15	Construct 9" PCC Surface Course with Joints	SY	24,380.00	49.59	1,209,004.20	23,871.00	1,183,762.89	509.00	25,241.31
16	Crack Sealing of existing Asphalt Terminal Apron Pavement	LF	40,000.00	1.57	62,800.00	50,000.00	78,500.00	-10000.00	(15,700.00)
17	Moorng Eye Tie-Down, Installed	Ea	15.00	205.46	3,081.90	5.00	1,027.30	10.00	2,054.60
18	Permanent Taxiway and Apron Painting w/ white/yellow/red paint	SF	7,800.00	4.53	35,334.00	7,068.00	32,018.04	732.00	3,315.96
19	Permanent Taxiway and Apron Painting w/ black paint	SF	9,000.00	4.79	43,110.00	8,248.75	39,511.51	751.25	3,598.49
20	Runway and Taxiway Paint Removal	SF	480.00	6.39	3,067.20	2,125.00	13,578.75	-1645.00	(10,511.55)
22	Refined Coal Tar Emulsion w/ Additives for Slurry Coat	SY	34,620.00	2.52	87,242.40	34,620.00	87,242.40	0.00	-
23	Aggregated (Dry) for use in Slurry Coat	Tn	21.00	255.60	5,367.60	21.00	5,367.60	0.00	-
24	Provide and Install 18" RCP, Storm Sewer Pipe, Class III	LF	335.00	60.43	20,244.05	335.00	20,244.05	0.00	-
25	Provide and Install 30" RCP, Storm Sewer Pipe, Class III	LF	295.00	81.77	24,122.15	385.00	31,481.45	-90.00	(7,359.30)
26	Construct Junction Box - Connecting 2-30" & 1-18" RCPs	Ea	1.00	4,066.25	4,066.25	1.00	4,066.25	0.00	-
27	Construct Single Grated Field Inlet on 1-18" RCP	Ea	3.00	5,344.25	16,032.75	3.00	16,032.75	0.00	-
28	Construct Double Grated Field Inlet on 1-30" RCP	Ea	1.00	6,750.00	6,750.00	1.00	6,750.00	0.00	-
29	Modify Existing 23'X11' Field Inlet	Ea	1.00	4,755.00	4,755.00	1.00	4,755.00	0.00	-
30	Remove Existing 30" RCP storm Sewer Pipe	LF	105.00	37.28	3,914.40	-	-	105.00	3,914.40
31	Remove Existing 42'X12' Field Inlet	Ea	1.00	4,298.44	4,298.44	1.00	4,298.44	0.00	-
32	Seeding (Including Fertilizer and Watering)	Ac	30.00	905.25	27,157.50	25.00	22,631.25	5.00	4,526.25
33	Solid Slab Bermuda Grass Sodding	SY	40,550.00	2.66	107,863.00	30,000.00	79,800.00	10550.00	28,063.00
34	Construct 6" X 24" trench w/ Backfill for 2" PVC	LF	10,365.00	2.34	24,254.10	16,221.00	37,957.14	-5856.00	(13,703.04)
35	Furnish & Install Lighting Cable - No 8 AWG, 5kv, 1/c Type C	LF	15,005.00	2.13	31,960.65	27,834.00	59,286.42	-12829.00	(27,325.77)
36	Construct 6"X8" Trench w/ Backfill for Counterpoise	LF	10,020.00	1.07	10,721.40	15,860.00	16,970.20	-5840.00	(6,248.80)
37	Furnish & Install Counterpoise, No 6 AWG, Bare Stranded Copper	LF	10,020.00	1.76	17,635.20	15,860.00	27,913.60	-5840.00	(10,278.40)
38	Furnish & Install 2" Schedule 40 PVC conduit, by Bore	LF	535.00	24.50	13,107.50	470.00	11,515.00	65.00	1,592.50
39	Furnish & Install 2" Schedule 40 PVC conduit, in Trench	LF	10,365.00	2.45	25,394.25	16,221.00	39,741.45	-5856.00	(14,347.20)
40	Furnish & Install new Base-Mounted L-858 signs (Two Module)	Ea	2.00	3,606.09	7,212.18	2.00	7,212.18	0.00	-
41	Furnish & Install new Base-Mounted L-858 signs (Three Module)	Ea	8.00	4,526.25	36,210.00	8.00	36,210.00	0.00	-
42	Furnish & Install new Base-Mounted L-858 signs (Four Module)	Ea	2.00	5,591.25	11,182.50	2.00	11,182.50	0.00	-
43	Remove/Store/Replace Base-Mounted L-858 signs (One Module)	Ea	3.00	1,416.45	4,249.35	3.00	4,249.35	0.00	-
44	Remove/Store/Replace Base-Mounted L-858 signs (Two Module)	Ea	1.00	1,917.00	1,917.00	1.00	1,917.00	0.00	-
45	Remove/Store/Replace Base-Mounted L-858 signs (Three Module)	Ea	2.00	2,566.65	5,133.30	2.00	5,133.30	0.00	-
46	Furnish & Install 1 Additional Module to Existing L-858 Sign	Ea	4.00	1,682.70	6,730.80	6.00	10,096.20	-2.00	(3,365.40)
47	Furnish & Install new Display Panel for Existing Guidance Sign	Ea	17.00	292.88	4,978.96	18.00	5,271.84	-1.00	(292.88)
48	Remove Above grade Sign Apputenances & Transformer	Ea	11.00	133.13	1,464.43	18.00	2,396.34	-7.00	(931.91)
49	Furnish & Install Base-Mounted L-861T LED ETES Taxiway lights	Ea	195.00	1,331.25	259,593.75	195.00	259,593.75	0.00	-
50	Furnish & Install New Stake-Mounted L-861 MIRL Lights (Clear)	Ea	1.00	441.98	441.98	1.00	441.98	0.00	-
51	Furnish & Install New Elevated L-861 MIRL Lights (Yellow)	Ea	1.00	585.75	585.75	2.00	1,171.50	-1.00	(585.75)
52	Remove, Store, Adjust Can to Grade and Re-install MIRL lights	Ea	1.00	1,251.38	1,251.38	1.00	1,251.38	0.00	-
53	Remove, Store, Re-install Existing Stake-Mounted Taxiway Light	Ea	1.00	197.03	197.03	-	-	1.00	197.03
54	Remove Above Grade Taxiway Light Fixture Appurtenance/Transformer	Ea	81.00	53.25	4,313.25	82.00	4,366.50	-1.00	(53.25)
55	Furnish & Install Lighting Junction Boxes w/ L-867 Light Base	Ea	1.00	1,022.40	1,022.40	2.00	2,044.80	-1.00	(1,022.40)
56	Remove Segemented Circle & Lighted Windcone	LS	1.00	857.33	857.33	-	-	1.00	857.33
58	Furnish & Install new 10 KW Constant Current Regulator	Ea	1.00	45,582.00	45,582.00	1.00	45,582.00	0.00	-
59	Furnish & Install new Lighted L-807 Wind Cone	Ea	1.00	8,999.25	8,999.25	1.00	8,999.25	0.00	-
60	Third party Insurance	LS	1.00	200.00	200.00	1.00	200.00	0.00	-
Subtotal for Base Bid (Includes C.O. #1)					\$ 3,692,789.35		\$ 3,674,074.54		\$ 18,714.81
Change Order # 2									
61	Add field inlet, relocate lighting cable, lighted wind cone, delete backer rod	LS	0.00	\$ 37,298.44	\$ -	1.00	\$ 37,298.44	-1.00	\$ (37,298.44)
Subtotal for Change Order Additions					\$ -		\$ 37,298.44		\$ (37,298.44)
Total for Base Bid and C.O. #2					\$ 3,692,789.35		\$ 3,711,372.98		\$ (18,583.63)
ELIGIBLE COSTS FOR OAC REIMBURSEMENT					\$ 3,692,589.35		\$ 3,711,172.98		\$ (18,583.63)

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

U.S. House of Representatives
District 1 – Rep. Jim Bridenstine (202) 225-2211
District 2 – Rep. Markwayne Mullin (202) 225-2701
District 3 – Rep. Frank Lucas (202) 225-5565
District 4 – Rep. Tom Cole (202) 225-6165
District 5 – Rep. James Lankford (202) 225-2132

U.S. Senate
Sen. James Inhofe (202) 224-4721
Sen. Tom Coburn (202) 224-5754

NOTICE OF FINAL INSPECTION

Date: 11-6-12

Project Number: SWO-12-FS

Airport: Stillwater Regional

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

FROM: Gary Johnson
Airport Manager
2020-1 West Airport Road
Address
Stillwater 74075
City/Town and Zip Code
405-372-7881
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 10:00 A.M.
(Time)

on 11-13-12 at Stillwater Regional Airport
(Date) (Location)

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

FINAL INSPECTION REPORT

Date: 11-16-12 Project No: SWO-12-FS Airport: Stillwater Regional

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

FROM: Gary Johnson
Airport Manager

2020-1 West Airport Road
Address

Stillwater 74075
City/Town and Zip Code

405-372-7881
Area Code and Phone Number

Area Code and Phone Number

Final inspection on the above project was made by Gary Johnson
(Airport Manager)

on 11-13-12 at Stillwater Regional Airport
(Date) (Location)

Personnel attending inspection:

name-title-organization	name-title-organization
Gary Johnson	Stillwater Regional Airport
David Lyons	Stillwater Regional Airport
Vivek Khanna	OAC
Niranjan Desai	OAC
Roger Key	TTK Construction Company
Allen Weiher	TTK Construction Company
Javier Acevedo	GW ² Engineering
Jed Banks	LBR Inc



LBR Inc. Airport Consultants

November 16, 2012

Tim Duit
TTK Construction Company, Inc.
P.O. Box 3681
Edmond, Oklahoma 73083

Dear Mr. Duit,

The Final Inspection, for AIP 3-40-0090-0020-2011, "Realign and Reconstruct a Portion of the Parallel and Connecting Taxiway System; Reconfigure the Part 139 Guidance Sign System; and Reconfigure and Remark the Terminal Apron and Connecting Taxiways", at the Stillwater Regional Airport, was commenced at 10:00 A.M. on Tuesday, November 13, 2012.

The Final Inspection was attended by:

- 1) Gary Johnson, Stillwater Regional Airport
- 2) David Lyons, Stillwater Regional Airport
- 3) Vivek Khanna, Oklahoma Aeronautics Commission
- 4) Niranjana Desai, Oklahoma Aeronautics Commission
- 5) Roger Key, TTK Construction Company, Inc.
- 6) Allen Weiher, TTK Construction Company, Inc.
- 7) Javier Acevedo, GW² Engineering Inc.
- 8) Jed Banks, P.E., LBR, Inc.

The items listed below must be corrected prior to final acceptance:

CORRECTIONS REQUIRED
AIP 3-40-0090-0020-2011

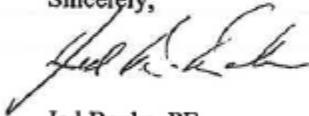
1. **Paving:**
 - a. New plastic shrinkage cracks west of the TW centerline, in line with the south wall of the terminal, need to be sealed.
 - b. The previously repaired crack, just south of the ones mentioned above, needs to be chipped out and patched with epoxy.
2. **Signage:**
 - a. Four signs are not lit as brightly as the others, both new and existing. They are similar to the following: "B 35-17", "A2↑A↓", "↓E↑D17↑", "↑Term".

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- 3 **Paint:**
- a. Stencil marks in hold line numbers must be painted out.
 - b. Correct black paint that was covered with glass beads.
 - c. Correct applied incorrect "orange" paint with the specified "Knockout Orange" colored paint.
 - d. The centerline of TW B must be extended to the edge of RW 17-35.
- 4 **Erosion Control:**
- a. Silt Fence near staging area must be replaced correctly.
 - b. Seeding must be completed.
 - c. Loose sod at intersections and where rolled up must be stapled.
 - d. Dirt piled west of run-up apron must be removed.
 - e. Fill small depression west of the RW 4-22 / TW C intersection.

Please confirm when these items are complete.

Sincerely,



Jed Banks, PE

Enc: Final Inspection Sign-In Sheet

CC: Julieann Dwyer, Vivek Khanna, Gary Johnson, David Lyons, Roger Key, Clarence Reeder

Oklahoma Aeronautics Commission
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The project was found acceptable with the following exceptions:

1. Paving

a. New Plastic shrinkage cracks west of the TW centerline, in line with the south wall of the terminal, need to be crack sealed.

b. The previously repaired crack, just south of the ones mentioned above, needs to be chipped out and patched with epoxy.

2. Signage

a. Four signs are not lit as brightly as the others, both new and existing. They are similar to the following: "B 35-17", "A2↑A↓", "↓E↑D17", "↑Term".

3. Paint

a. Stencil marks in hold line numbers must be painted out.

b. Correct black paint that was covered with glass beads.

c. Correct applied incorrect "orange" paint with the specified "Knockout Orange" colored paint.

d. The centerline of TW B must be extended to the edge of RW 17-35.

4. Erosion Control

a. Silt Fence near staging area must be replaced correctly.

b. Seeding must be completed.

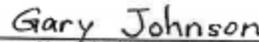
c. Loose sod at intersections and where rolled up must be stapled.

d. Dirt piled west of run-up apron must be removed.

e. Fill small depression west of the RW 4-22 / TW C intersection

Anticipated completion date for above exceptions: 1-31-12.


Signature of above named person


Airport Manager

Oklahoma Aeronautics Commission
Operational Audit
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FINAL ACCEPTANCE NOTICE

Date: 2-6-13

Project Number: SWO-12-FS

Airport: Stillwater Regional

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

FROM: Gary Johnson
Airport Manager

2020-1 West Airport Road
Address

Stillwater 74075
City/Town and Zip Code

405-372-7881
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 Gary Johnson
(Airport Manager)

on 2-6-13 at Stillwater Regional Airport.
(Date) (Location)


Signature of above named person

Gary Johnson
Airport Manager

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

WWW.SAI.OK.GOV