OPERATIONAL AUDIT

OKLAHOMA ÅERONAUTICS COMMISSION CITY OF ADA — PROJECT NUMBER ADH-07-FS TAXIWAY REPAIR AND REALIGNMENT

For the Period Ending June 14, 2007 through August 14, 2013





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

Audit Report of the Oklahoma Aeronautics Commission City of Ada - Project Number ADH-07-FS Taxiway Repair and Realignment

For the Period June 14, 2007 through August 14, 2013 2300 N. Lincoln Blvd. • State Capitol, Room 100 • Oklahoma City, OK 73105 • Phone: 405.521.3495 • Fax: 405.521.3426

October 8, 2013

TO THE OKLAHOMA AERONAUTICS COMMISSION

At management's request, we have conducted an audit of the Oklahoma Aeronautics Commission (Commission) – City of Ada (state project number ADH-07-FS) for the period June 14, 2007 through August 14, 2013. The objective of the audit was to determine whether expenditures paid to the City of Ada 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 provide taxiway rehabilitation and realignment. The project was budgeted at \$3,458,309. The Commission's share of the budget was \$86,420.22, the City of Ada's share was \$87,920.23, and the Federal Aviation Administration's (FAA) share was \$3,283,968.55.

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 Ada Finance Director, and the airport manager; inspection of all invoices and supporting documentation related to project reimbursements; and a physical inspection of the completed project conducted on September 18, 2013. **These procedures indicated that costs paid to the City of Ada by the Commission appeared to be in accordance with the** *Program Narrative* and the *Project Costs*.

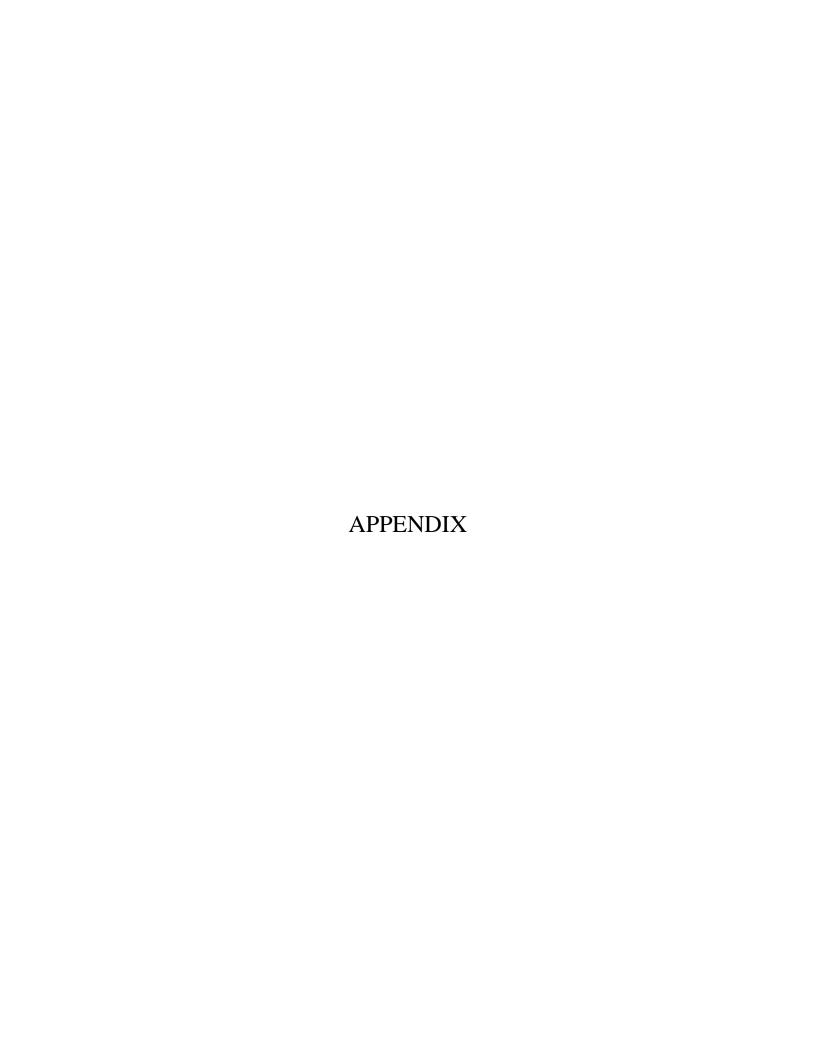
This report is a public document pursuant to the Oklahoma Open Records Act (51 O.S. § 24A.1 et seq.), and shall be open to any person for inspection and copying.

Sincerely,

GARY A. JONES, CPA, CFE

Sony afto

OKLAHOMA STATE AUDITOR & INSPECTOR



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.

the data presented in the 1010 wing beneatles.											
Category	Budget		Change Order*		A	Adjusted Budget		Actual		Variance**	
Construction	\$	3,003,808.65	\$	67,146.71	\$	3,070,955.36	\$	3,006,738.54	\$	64,216.82	
Engineering		179,400.00				179,400.00		279,450.00		(100,050.00)	
Advertising		9,600.00				9,600.00		19,200.00		(9,600.00)	
Testing		45,000.00				45,000.00		92,769.18		(47,769.18)	
Construction Admin		38,400.00				38,400.00		64,797.00		(26,397.00)	
Inspection		141,000.00				141,000.00		323,070.89		(182,070.89)	
Survey/Airport Admin for FAA		39,600.00				39,600.00		51,434.10		(11,834.10)	
Third Party Insurance (Ineligible)		1,500.00				1,500.00		1,500.00			
Project Cost	\$	3,458,308.65			\$	3,525,455.36	\$	3,838,959.71	\$	(313,504.35)	

	Bu	dget Amount	Cl	Budget Amount Including nange Orders	Actual	Variance**
City's Share (2.75%)	\$	87,920.23	\$	87,920.23	\$ 105,527.95	(17,607.72)
Commission's Share (2.25%)		86,420.22		86,420.22	86,420.22	-
FAA's Share (95.00%)		3,283,968.55		3,351,115.26	 3,647,011.54	(295,896.28)
	\$	3,458,309.00	\$	3,525,455.71	\$ 3,838,959.71	\$ (313,504.00)

^{*}Since the change order amount is reflected in the adjusted budget amount, the construction variance on this schedule differs from the construction variance presented on page A-2 (\$67,146.71 - \$2,929.89 = \$64,216.82).

^{**}The difference between the *total* amounts in the variance column is due to rounding.

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

P. 1922 Control Agency Control Age	Line N	O. Item NO.	Description	Bid Unit	Bid Quantity	Unit Price Bid		Bid Amount	Actual Quantity	Actual Cost	Quantity Variance	Cost Variance
Pool	1	P-152		C.Y.	87,210.00	\$ 6.50	\$	566,865.00	88,402.00 \$	574,613.00	-1192.00	\$ (7,748.00)
Pool												-
										556,119.60		
D-701 Resinescal Concern Pipe (24°) LFC 1000 9000 1000 12										69 575 00		
D-700 Resinced Concerts Ash Pape (PF) LF 12400 11500 12500 12500 12500 105000 105												
P-001												
D=700 D=7	8		• • •									
D-701												(15.00)
D-701 Pared Dech												(6,000,00)
D-75												(0,000.00)
1												_
Fire Control Fire Fire Control Fire Fire Control Fire Fir					2.00						-2.00	(7,000.00)
Field Wakeway gate			Lower Inlet					15,575.00		4,450.00		11,125.00
T-901												76.60
Tools												(1.227.60)
1.700			9									
Total												,
SP-1												
SP-2		SP-1								27,995.00	0.00	-
SP-2	22	SP-2	Temporary Silt Fence	L.F.	2,650.00	3.30		8,745.00	2612.00	8,619.60	38.00	125.40
SP3 Pavement Removal, FPC SY, 34,25,00 1.93 66,40.25 3900.08 69,487.10 1.978.68 (2,818.59)												1,550.55
SP-3												
SP-3												
SP-3					.,							
SP-3												
SP-3												480.00
SP-4 Sice Preparation												665.00
SP-5 Feel Line Sump												-
SP-5	32	SP-5	Underground Fuel Lines	L.F.	240.00	268.66		64,478.40	49.00	13,164.34	191.00	51,314.06
Littor				Ea						-		
107-52 L-807, 12-Foot Wind Come Installed in Place Ea										-		11,220.00
Li Li Li Li Li Li Li Li												-
Li 108-52 No. 8 AWG SINV, LeSAC Cable, Installed in Trench LF, 2,18000 2.09 6,646.20 2810.00 5,872.90 370.00 773.30												(1.259.04)
10 1.08-5.3 No. 6 AWGSoid, Bare Counterpoise Wire, Installed LF, 2-615.00 3.30 8,629-50 2047.00 675.51 568.00 1874.40 1.09-5.1 1												
L108-54 No. 6 AWG Stranded, Insulated Equipment Cound LF												
L109-51 Electrical Dutal Modifications LS L100 632-50 632-50 1300 268-50 1200 198.00 42 L1105-12 Electrical Duta Bank, Concrete Encased 1-Way 4°C LF 305.00 31.90 9.729-50 415.00 13.238-50 -110.00 (3.369.00) 44 L1105-32 Electrical Duta Bank, Concrete Encased 1-Way 4°C LF 85.00 31.90 9.729-50 415.00 13.238-50 -110.00 (3.369.00) 44 L1105-34 Electrical Duta Bank, Concrete Encased 2-Way 4°C LF 250.00 72.05 15.851.00 200.00 44.410.00 20.00 1.441.00 42.10 41.00 41.00												,
L110-5.2 Electrical Duet Bank, Concrete Encased J-Way 4" C LF	41	L-109-5.1	Electrical Vault Modifications	L.S.	1.00	632.50		632.50	1.00	632.50	0.00	-
Lilo-5.3 Bectrical Duet Bank, Concrete Encased 4-Way 4"C LF, 2000 72.05 15.851.00 20000 14.410.00 2000 24.38.15 2000	42	L-110-5.1	Electrical Duct Bank, Concrete Encased 1-Way 2"C	L.F.	175.00	16.50		2,887.50	163.00	2,689.50	12.00	198.00
L110-5.5 Electrical Duet Bank, Concrete Encased 4-Way 4"C LF 173000												
Lilo.5.5 Electrical Conduit I-Way 2"C												
1-110-5.6 Electrical Conduit 4-Way 4"C												
Lil5.5.1 Esisting Concrete Encased, Electrical Junction Struct. Ea 1.00 275.00 275.00 2.00 550.00 -1.00 (275.00) 49 Lil5.5.2 Concrete Encased, Electrical Junction Struct. L867 Ea 8.00 1,012.00 8.096.00 3.00 3.036.00 5.00 5.06.00 5.00.												2,438.15
L-115-5.2 Concrete Encased, Electrical Junction Struct. L-867 Ea 8.00 1,012.00 8,096.00 3.00 3,036.00 5.00 5,060.00												(275.00)
Decision Color Decision D												
L-125-5.2												-
L-125-5.3 Existing Stake Mounted Caridance Sign, Removed Ea 15.00 56.10 841.50 15.00 841.50 0.00 - 1.00 1.		L-125-5.1										-
L-125-5.4 Existing Windtee, Relocated Ea 1.00 2.970.00 2.970.00 1.00 2.970.00 0.00 - 1.00 1.												-
L-125-5.5												-
L-125-5.7 L-861 Stake Mounted Edge Lighting, Relensed Ea 1.00 143.00 143.00 1.00 143.00 1.00 0.00 - 1.00 1.00												-
L-125-5.8 Temporary Airfield Lighting												-
Second Third party Insurance L.S. 1.00 1,500.00 1,500.00 1.00 1,500.00 0.00 1,500.00 1.00 1,500.00 0.00 1,500.00 1.00 1,500.00 0.00 1,500.00												-
Subtotal for Base Bid \$ 1,978,726.10 \$ 1,964,566.52 \$ 14,159.58												_
P-209 Crushed Aggregate Base Course 4" S.Y. 2164 \$ 10.00 \$ 216,450.00 29798.82 \$ 297,988.20 -8153.82 \$ (81,538.20)							\$		_		-	\$ 14,159.58
P-501 PCC Pavement, 9" S.Y. 1981 40.00 793,240.00 17793.39 711,735.60 2037.61 81,504.40												
P-620 Runway & Taxiway Painting S.F. 2085 0.81 16,892.55 13097.51 10,608.98 7757.49 6,283.57							\$					
Subtoal for Alternate B \$ 1,026,582.55 \$ 1,020,332.78 \$ 6,249.77												
C.O.1-a Relocate Papi Circuit to approach end Runway 17 L.S 0.00 \$ 9,548.10 \$ - 1.00 \$ 9,548.10 -1.00 \$ (9,548.10) C.O.1-b Paving Joint Detail Changes L.S 0.00 5,541.13 - 1.00 5,541.13 - 1.00 (5,541.13) C.O.1-c Remove existing Runway 31 markings using P-631 S.Y. 0.00 16.50 - 500.00 8,250.00 -500.00 (8,250.00) Subtotal for Change Order Additions TOTAL FOR BASE AND ALTERNATE BID AND CHANGE ORDER Relocate Papi Circuit to approach end Runway 17 L.S 0.00 \$ 9,548.10 \$ - 1.00 \$ 9,548.10 -1.00 \$ (9,548.10) C.O.1-c	60	P-020		5.F.	20855	0.81	\$	-,			1151.49	
C.O.1-b Paving Joint Detail Changes L.S 0.00 5,541.13 - 1.00 5,541.13 - 1.00 (5,541.13) C.O.1-c Remove existing Runway 31 markings using P-631 S.Y. 0.00 16.50 - 500.00 8,250.00 -500.00 (8,250.00) Subtotal for Change Order Additions \$ - \$ 23,339.23 \$ (23,339.23) TOTAL FOR BASE AND ALTERNATE BID AND CHANGE ORDER \$ 3,005,308.65 \$ 3,008,238.54 \$ \$ (2,929.89)							*	-,0,502.55	Ψ	-,,		,2.,2.,,
C.O.1-c Remove existing Runway 31 markings using P-631 S.Y. 0.00 16.50 - 500.00 8.250.00 -500.00 (8.250.00) Subtotal for Change Order Additions							\$	-				
Subtotal for Change Order Additions \$ - \$ 23,339.23 \$ (23,339.23) TOTAL FOR BASE AND ALTERNATE BID AND CHANGE ORDER \$ 3,005,308.65 \$ 3,008,238.54 \$ (2,929.89)								-				
TOTAL FOR BASE AND ALTERNATE BID AND CHANGE ORDER \$ 3,005,308.65 \$ 3,008,238.54 \$ (2,929.89)		C.O.1-c		S.Y.	0.00	16.50	<u></u>	-			-500.00	
ψ 5,005,200.05 ψ 5,000,220.0-4			Subtotal for Change Order Additions				\$	-	\$	25,339.23		a (25,339.23)
		TOTAL FO	R BASE AND ALTERNATE BID AND CHANGE ORDI	æ			\$	3,005.308.65		3,008,238.54	-	\$ (2,929.89)
ELIGIBLE COSTS FOR OAC REIMBURSEMENT \$ 3,003,808.65 \$ 3,006,738.54 \$ (2,929.89)							Ψ	2,000,000.00		-,000,200,04	•	- (2,222.02)
		ELIGIBLE	COSTS FOR OAC REIMBURSEMENT				\$	3,003,808.65		3,006,738.54		\$ (2,929.89)

	NOTICE OF FINAL INS	PECTION
	Date:	10/27/2009
	Project Number:	AIP 3-40-001-010-2008
	Airport:	Ada Municipal Airport
TO:	Oklahoma Aeronautics Commission 120 N. Robinson, Suite 1244 W Oklahoma City OK 73102 (405) 604-6900 – phone (405) 604-6919 – fax	
FROM:	Curtis Brown P.E., Project Mana Project Engineer, Mayor, City Manager	ger
	1016 24 th Avenue NW Address	
	Norman, OK 73069 City/Town and Zip Code	
	405.329.2555 Area Code and Phone Number	
This is to add	vise you that the above referenced pr	oject is complete and ready for
inspection.	The final inspection is scheduled to be	egin at 9:00 am (Time)
on Octol	Der 27, 2009 at Ada Mu (Date) (Date)	unicipal Airport
there to be	ng this request, I have carefully gone no known plan omissions and th lose conformity with approved plans a	at the work is complete and in
-		
Signature of above n		ect Manager fabove named person

FINAL INSPECTION REPORT

Date: 10/27/2009 Project No: AIP 3-40-001-010-2008 Airport: Ada Municipal Airport

TO:

Oklahoma Aeronautics Commission

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

FROM:

Curtis Brown P.E.
Project Engineer

1016 24th Avenue NW

Norman, OK 73069 City/Town and Zip Code

405.329.2555 Area Code and Phone Number

Final inspection on the above project was made by <u>Curtis Brown P.E., Project Manager.</u>

(Project Engineer)

October 27, 2009 at Ada Municipal Airport. (Date)

Personnel attending inspection:

name-title-organization

Vivek Khanna, Oklahoma Aeronautics Commission Aaron Bouse, Oklahoma Aeronautics Commission

Roger Keys, TTK

Dick Hunnicutt, Libra Electric

Phillip Thomson, Libra Electric

Randy Marsee, Garver

Curtis Brown, Garver

Terry Hall, Ada Airport Manager

The project was found acceptable with the following exceptions:						
See Preliminary Punchlist Letter in Ap	opendix D.					
Cushm	Project Manager					
Signature of above named person	Title of above named person					



1016 24th Avenue NW Norman, OK 73069

TEL 405.329.2555 FAX 405.329.3555

www.GarverUSA.com

October 27, 2009(Updated)

Re: Ada Airport

Realignment of the Parallel Taxiway to Runway 17/35 Phase Two Preliminary Punch List Letter

On September 1, 2009 at 9:00A.M. – 11:00A.M. a Pre-Final Inspection visit was made at the Ada Airport during that time this Preliminary Punch List was generated.

In attendance were:

Vivek Khanna, Oklahoma Aeronautics Commission Aaron Bouse, Oklahoma Aeronautics Commission Roger Keys, TTK Dick Hunnicutt, Libra Electric Phillip Thomson, Libra Electric Randy Marsee, Garver Curtis Brown, Garver Terry Hall, Ada Airport Manager

This list is not intended to be a final punch list nor is it intended to be an acceptance of the above mentioned project. Please coordinate and complete the following as soon as possible as the end of contract time is quickly approaching:

- Install all taxiway and runway L.E.D. Signs.
- Complete the installation and provide O&M Manuals for the new electrical vault.
- Remove existing electrical vault once the new vault is in operation
- Remove temporary inlet protection at Terminal Building fence next to apron.
- On the North side of the apron repair the reflective post (new epoxy).
- · Re-install all top rail and barbed wire at the North Construction entrance.
- Remove all electrical equipment and debris from North Construction Entrance.
- Re-grade hill and place-sed just north of the AWAS System.
- Place sed around inlet just East of AWAS System.
- Install all numbered tags on all L.E.D Taxiway lighting, also provide a redline drawing which identifies all numbers.
- Re-grade infield area at Taxiway Echo, place sod.
- Remove partial concrete form from sign footing at Taxiway Delta.
- Remove orange cones at hold bar on Taxiway Brave.
- Remove partial concrete form from sign footing at Taxiway Bravo.

Mr. David Vaughn Date 9-10-9 Page 2 of 4

- Raise and level electrical can on Taxiway A-1 South side, place concrete around can.
- Remove safety fence and rebar posts around Sanitary Manhole South of Taxiway A1 (far west side of field).
- Re-grade and dress up all electrical ditch lines at rolls and threshold lighting areas on Runway 35.(pending verification)
- Raise stake mounted light on the threshold west of Runway 35. .(pending verification)
- Remove saw-slurry on Taxiway A from Runway 13/31 to Runway 17.
- Remove Spilled Curing Compound on Taxiway A from Runway 13/31 to Runway 17.
- The airport commission has asked that we remove the road gravel surface in the vicinity of E Hangar-back to the runway i.e. back to grass(seed)(pending verification)
- Some reflectors are coming off of their bases. Reflectors need epoxy reapplied and secured to base.
- All duct markers need painted aviation orange.
- Install numbering tags on all light fixtures and signs.
- Make final connections between isolation transformers and equipment on all signs.(pending verification)
- Connect dedicated ground rods to all signs, lit and unlit. (pending verification)
- Figure 1: Item #2 Duct Marker



- Sign #27, hold sign on Taxiway "A2", has panels on wrong faces. Sign should have panels on opposite sides exchanged per the requirements in the plans.
- Add dust marker on west-side of Taxiway "A" at point of PAPI 17 crossing to indicate crossing. Dust marker exists on east side of Taxiway "A".
- Sign #25, Northern most 13-APCH sign, has panels on wrong faces. Sign should have panels on opposite sides exchanged



Figure 2: Item #6 Light

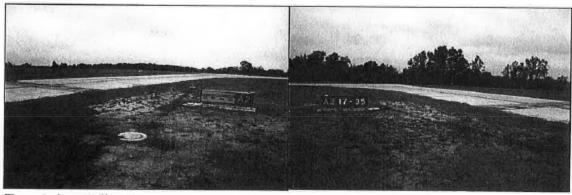


Figure 3: Item #7 Sign #27

A-7

Mr. David Vaughn Date 9-10-9 Page 3 of 4

per the requirements in the plans.

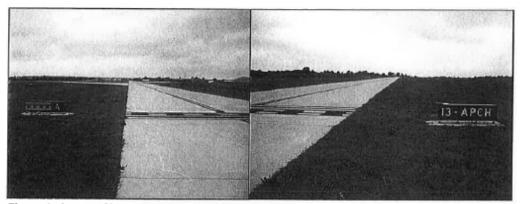


Figure 4: Item #9 Sign #25

- Remove the rest of the forming frame from around the base of all signs. (Sign #11, Sign #12 and possibly others)
- Verify-that all light and sign bases have all-lids installed with all bolts in place and securely tightened.
- Need to backfill all trenches which are settling. This includes Runway End 35 REIL trenches as well as others.(pending verification)
- Add dust markers on Taxiway "B" on the west side of Taxiway "A" per the plans.
- Some of the light base cans and sign foundations pool
 water on and around them. Grading around these
 areas need to be changed so that water flows away
 from the equipment. This is primarily on the Runway 35
 end.(pending verification)
- · Verify all-lights are plumb and erect.
- Add duct markers on Taxiway "D" as per the plans.
- Add duct-markers around fuel farm as per the plans. (Pending verification)
- Add duot markers under Taxiway "A" south of the apron as per the plans.
- Electrical Vault:
 - Touch-up any wall blemishes.(pending verification)



Figure 5: Item #12 Settling Trench

Mr. David Vaughn Date 9-10-9 Page 4 of 4

- e Seal around conduit entries in the structure wall and foundation.
- Verify all ground and neutral bars are copper. Install copper bars in place of any aluminum.(pending verification)
- o Install sign on outside of vault.
- o Finish installing remaining equipment.
- o Connect existing beacon circuit to new electrical vault.
- Place sod at new electrical vault.

Please call if you have questions.

Sincerely,

Curtis Brown

CC: Cody Holcomb, City of Ada Vivek Khanna, Oklahoma Aeronautics Commission Aaron Bouse, Oklahoma Aeronautics Commission Roger Keys, TTK Dick Hunnicutt, Libra Electric Phillip Thomson, Libra Electric Terry Hall, Ada Airport Manager

L:\2006\06420581 - ADH Phase 2\Correspondence\Outgoing

FINAL ACCEPTANCE NOTICE

Date: December 7, 2009

Project Number: AIP 3-40-001-010-2008

Airport: Ada Municipal Airport

TO:

Oklahoma Aeronautics Commission

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

FROM:

Curtis Brown P.E., Project Manager
Project Engineer, Mayor, City Manager

1016 24th Avenue NW

Norman, OK 73069 City/Town and Zip Code

405.329.2555 Area Code and Phone Number

(Date)

This is to advise you that the exceptions found at the final inspection have been completed or corrected. The project is accepted by <u>Curtis Brown P.E., Project Manager</u>

(Project Engineer, Mayor, City Manager)

December 7, 2009

Ada Municipal Airport

Signature of above named person

Project Manager

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