STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SWO 5007(1) J/P 28768(04) ; EC1474 CO. HARMON

HORIZONTAL CONTROL:
( ) Oklahoma Coordinate System of 1927 _____ Zone.
(X) Oklahoma Coordinate System of 1983 SOUTH Zone.
( ) Oklahoma Dept. of Transportation Plane Coordinate System of 1927
( ) Oklahoma Dept. of Transportation Plane Coordinate System of 1983
( ) Arbitrary Coordinate System

HORIZONTAL PLANE DATUM DEFINITION:
Oklahoma Department of Transportation coordinates were derived by multiplying the Oklahoma Coordinate Systems of 1927 or 1983 by the combined adjustment factor of 1.00010. The ODOT Coordinate System is 2350 feet above sea level.

1. GPS NETWORK adjusted to NGS HARN
Stations MADGE AND FIRST ORDER STATIONS LEBOS AND GOULD
A) Closure before adjustment X _____ Y _____ Angles
Trav. Length _____ o. Angles _____ ; 1:
B) _____ ; is 1st Order before adjustment.
C) Method of Distance Measurement:
( ) Electronic X GPS ( ) Triangulation ( )
D) Instrument used for angles _____

2. _____ adjusted to _____ ( ) Order
Stations _____
A) Closure before adjustment X _____ Y _____ Angles
B) _____ ; is FIRST Order; Tied to
C) d of Distance Measur
( ) Electronic X GPS ( ) Triangulation ( )
D) Instrument used for angles _____

VERTICAL CONTROL IS (2nd) order. Level Line taken from NGS, MADGE, E 96 & GOULD
(2nd) order and tied to _____ (2nd) order.
( ) NGVD 29 datum
X NAVD 88 datum

ACCURACY DEFINITION:
(1) HORIZONTAL: (3rd Order = Class I = 1 : 10,000')
(3rd Order = Class II = 1 : 5,000')
(2) VERTICAL: (1st Order = 0.017 Ft. x sqrt. of Mi.)
(3rd Order = 0.050 Ft. x sqrt. of Mi.)

Distribution:
Copy w/survey reports
Copy in each Alignment and level book

Edward R. Seaton
Professional Land Surveyor

10-Oct-14
Date

(FORM SD #20)
Rev. 11/03

REGISTERED PROFESSIONAL LAND SURVEYOR · EDWARD R. SEATON L.S. 1353 · OKLAHOMA

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SURVEY OF

S.H. 30

SWO 5007(1)

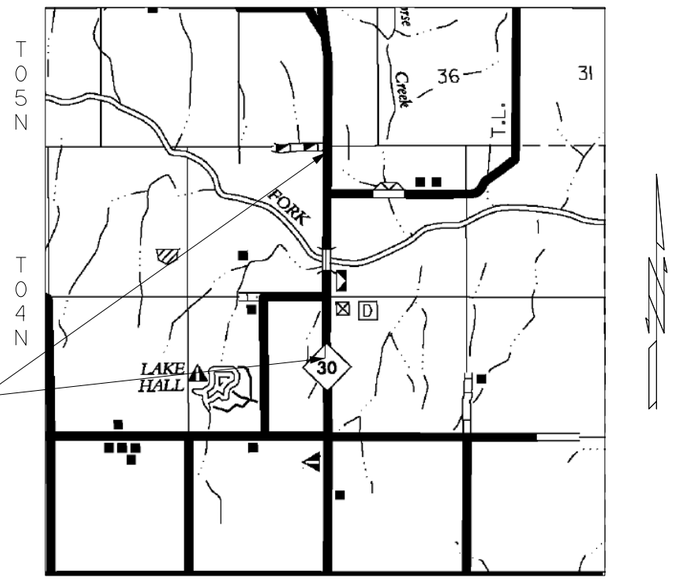
J P NO. 28768(04)

HARMON

S.H. 30, BRIDGE OVER SALT FORK OF THE RED RIVER, 11.2 MILES NORTH OF U.S. 62

PROJECT LOCATION

R-26-W



PROJECT LENGTH 6560 Ft. 1.24 MI.

BEGINNING STATION : 548+07.43
ENDING STATION : 613+67.39

UTILITY CONTACT INFORMATION	
ELECTRIC	COMMUNICATIONS
HARMON ELECTRIC ASSOCIATION (580) 688-3342	PIONEER TELEPHONE COOPERATIVE (888) 782-2667

THIS SURVEY MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, MAY 17, 2010.

SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED JANUARY 2011 GOVERN.

SDS 1 OF 12

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS

DESCRIPTION	DATE

INDEX OF SHEETS

1 TITLE SHEET
2 HISTORICAL LETTER
3 HISTORICAL LETTER, ALIGNMENT DATA,
4 CHECK LEVEL LIST AND COORDINATE POINT LIST.
5 CHECK LEVEL LIST
6.-8. SURVEY DATA SHEET
9.-12. GEOMETRIC DATA SHEET

SURVEY BEGAN: 3/25/2014
SURVEY COMPLETED: 10/10/2014

PERSONNEL:	TITLE:
EDWARD R. SEATON	LICENSED LAND SURVEYOR
RON HUFFMAN	LICENSED LAND SURVEYOR
TONY ROBISON	LICENSED LAND SURVEYOR
BRANDON KAUFMAN	LICENSED LAND SURVEYOR
RYAN THOMSON	PARTY CHIEF
JASON APPLETON	INSTRUMENTMAN
RAY GIPSON	INSTRUMENTMAN
SUSAN MOBLEY	CERTIFIED PHOTOGRAMMETRIST

EQUIPMENT:
1 CESSNA 335 AIRCRAFT
1 LEICA ALS 50-2 LIDAR
1 MICRO-IRS IMU
5 TRIMBLE R8-3 GPS RECIEVER
1 TRIMBLE R8-2 GPS RECIEVER
1 TRIMBLE TSC3 DATA COLLECTOR
2 TRIMBLE TSC2 DATA COLLECTOR
1 TOPCON GPT-2003 TOTAL STATION
1 SOKKIA SDL-30 DIGITAL LEVEL

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO 5007(1) Job/Piece 28768(04) Engr. Contract No. EC1474

LAND SURVEYOR'S CERTIFICATION

I hereby certify that all land and property sub-division distances, angles, corners, and monumentation made or used in conjunction with this survey and depicted or recorded herein or hereon were recovered, established or re-established in substantial conformity with:

- Applicable instructions contained in the U.S. Government Bureau of Land Management publication **"Manual of Survey Instruction"**,
- Its supplement, **"Restoration of Lost or Obliterated Corners and Sub-division of Sections"**;
- **"Oklahoma Minimum Standards for the Practice of Land Surveying"** as adopted by the State Board of Licensure for Professional Engineers and Land Surveyors; **and**
- Sound land surveying practices;

including a thorough search, study, analysis and consideration of all existing records and field evidence.

I further certify that all survey monuments depicted exist and that all land survey work was done by me or under my direct supervision.

Dated this 10th day of October, 2014

Land Surveyor Edward R. Seaton (seal)
Signature

Edward R. Seaton
Printed Name

Oklahoma Licensed Land Surveyor No. 1353

Certificate of Authorization No. 4849

REGISTERED PROFESSIONAL LAND SURVEYOR · EDWARD R. SEATON L.S. 1353 · OKLAHOMA

BEFORE YOU DIG 1-800-522-6543 CALL OKIE

PLS	ERS		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	BDK		
CHECKED	ERS		**SURVEY DATA SHEET**
APPROVED	ERS		
CREW			SWO 5007(1) STATE JOB NO. 28768(04) SHEET NO. S1