

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				
DESCRIPTION		REVISION	DATE		

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SWO 4664(1) J/P 28036(04) ; CO. Cotton

HORIZONTAL CONTROL:

- Oklahoma Coordinate System of 1927 Zone.
- Oklahoma Coordinate System of 1983(CORS96) South Zone.
- Oklahoma Dept. of Transportation Plane Coordinate System of 1927 Zone.
- Oklahoma Dept. of Transportation Plane Coordinate System of 1983 Zone.
- Arbitrary Coordinate System

HORIZONTAL PLANE DATUM DEFINITION:

The horizontal control for this survey is the NGS Oklahoma State Plane Coordinate System, NAD83(CORS96), Lambert Projection (South Zone). The combined scale factor for conversion to geodetic distances is 1.00008583.

- Primary Control adjusted to NGS (2nd) Order
Stations OKAL, TXWF, OKDN
A) Closure before adjustment X ; Y Angles
Trav. Length No. Angles Accuracy 1:20,000
B) ; is () Order before adjustment.
C) Method of Distance Measurement: Electronic GPS Triangulation Chained
D) Instrument used for angles Trimble R6
- Secondary Control adjusted to Primary Control () Order
Stations C-17-358, C-17-359 & C-17-360
A) Closure before adjustment X ; Y Angles
B) ; is () Order, Tied to
C) Method of Distance Measurement: Electronic GPS Triangulation Chained
D) Instrument used for angles Trimble R6, Trimble S6

VERTICAL CONTROL IS (3rd) order. Level Line taken from RANDLETT RESET NGS through two BM's from FAP No. 284-C(2) and tied to BM 18

ACCURACY DEFINITION:

- (1) HORIZONTAL: (2nd Order = Class II = 1 : 20,000'
(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.)
(2nd Order = 0.035 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

SHAWN SMITH
Professional Land Surveyor
5-25-2012
Date

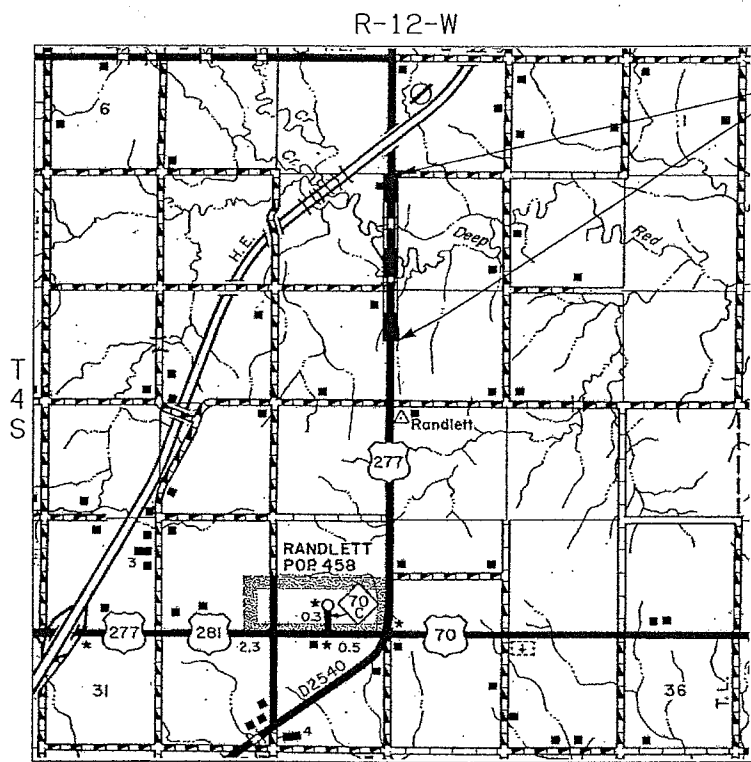
(FORM SD #20)
Rev. 11/03

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SURVEY OF
U.S. 277
SWO 4664(1)
J/P NO. 28036(4)

OKLAHOMA

U.S. 277, BRIDGE OVER DEEP RED CREEK AND TWO OVERFLOWS,
APPROXIMATELY 2.9 MILES NORTH OF U.S. 70 AT RANDLETT



PROJECT EXTENTS

PROJECT LENGTH 7946.322 Ft. 1.50 MI.

BEGINNING STATION : 566+90.441
ENDING STATION : 646+36.763

Utility	Phone Number
Telephone Lines:	
McLeod USA	800-332-2385
Santa Rosa Telephone Co-op	888-886-2217
Caprock Communications	888-482-0289
SBC	877-722-3755
Electric Lines:	
Cotton Electric Co-op	580-875-4221
Water Lines:	
Tillman County RWD #1	580-597-3097

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 MAY 1, 1999 GOVERN.
SDS 1 OF 13

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INDEX OF SHEETS

1	TITLE SHEET
2-3	SURVEY INFORMATION (Notes, Letters)
4	ALIGNMENT DATA & COGO POINTS
5	CHECK LEVELS
6	HORIZONTAL CONTROL DIAGRAM & STATIC DATA
7-13	SURVEY DATA SHEETS

SURVEY BEGAN: 12/16/2011
SURVEY COMPLETED: 5/25/2012

PERSONNEL:	TITLE:
SHAWN SMITH, PLS	PROF. LAND SURVEYOR
JASON HARVEY, CST II	SURVEY TECH
CLARK FISHER, CST III	SURVEY TECH
TYLER KETNER	SURVEY TECH
SHAWN ACKER, CST I	SURVEY TECH
BOB GLEASON	SURVEY TECH
SHAUN KOONCE	SURVEY TECH

EQUIPMENT:
TRIMBLE R6 BASE & ROVER GPS
TRIMBLE S6 ROBOTIC TOTAL STATION
TOPCON GB500 BASE & HIPER+ ROVER GPS
SOKKIA SDL-30 DIGITAL LEVEL

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SWO 4664(1) Job/Piece 28036(04) Engr. Contract No. 1360-L

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 25th day of May, 2012.
Land Surveyor *Shawn Smith* (Signature)
Shawn Smith (Seal)

Printed Name
Oklahoma Licensed Land Surveyor No. 1663
Certificate of Authorization No. 2054



OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION	
PLS	SS
DRAWN	SK
CHECKED	SS
APPROVED	SS
CREW	JH,TK

SURVEY DATA SHEET

SWO 4664 (1) PROJECT NO. 28036(04) SHEET NO. S1