

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

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SURVEY OF
US 277
SWO 4752(1)
J/P NO. 27968(04)

COMANCHE COUNTY

BRIDGE OVER SNAKE CREEK, APPROXIMATELY
0.8 MILE NORTH OF THE COTTON COUNTY LINE

INDEX OF SURVEY SHEETS

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SURVEY BEGAN: JANUARY 7, 2012.
SURVEY COMPLETED: MARCH 1, 2012.

J.L. CARROLL, PROFESSIONAL LAND SURVEYOR
K. MCGEE, PROFESSIONAL LAND SURVEYOR
BEN GENSAMER, LEAD SURVEYOR
BRIAN GENSAMER, SURVEY CREW CHIEF
MARCUS HEILMAN, CREW MEMBER
LEE HORNBACK, CREW MEMBER

EQUIPMENT:
TRIMBLE R8 GNSS GPS RTK UNITS
TRIMBLE TSC2 DATA COLLECTORS
TRIMBLE ELECTRONIC TOTAL STATION
LEICA LIDAR SYSTEM
EAGLE POINT SOFTWARE IN MICROSTATION ENVIRONMENT

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SWO 4752(1) J/P 27968(04) CO. COMANCHE

HORIZONTAL CONTROL:
 Oklahoma Coordinate System of 1927 Zone.
 Oklahoma Coordinate System of 1983 (1983) 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:
 Oklahoma Department of Transportation coordinates were derived by multiplying the Oklahoma Coordinate Systems of 1927 or 1983 by the combined adjustment factor of 0.99994. The ODOT Coordinate System is 2350 feet above sea level.

1. Primary Control adjusted to HARK () Order
 Stations _____
 A) Closure before adjustment X _____; Y _____ Angles _____
 Trav. Length _____ No. Angles _____
 B) _____ is () Order before adjustment.
 C) Method of Distance Measurement:
 Electronic () GPS () Triangulation () Chained
 Instrument used for angles _____
 D) _____

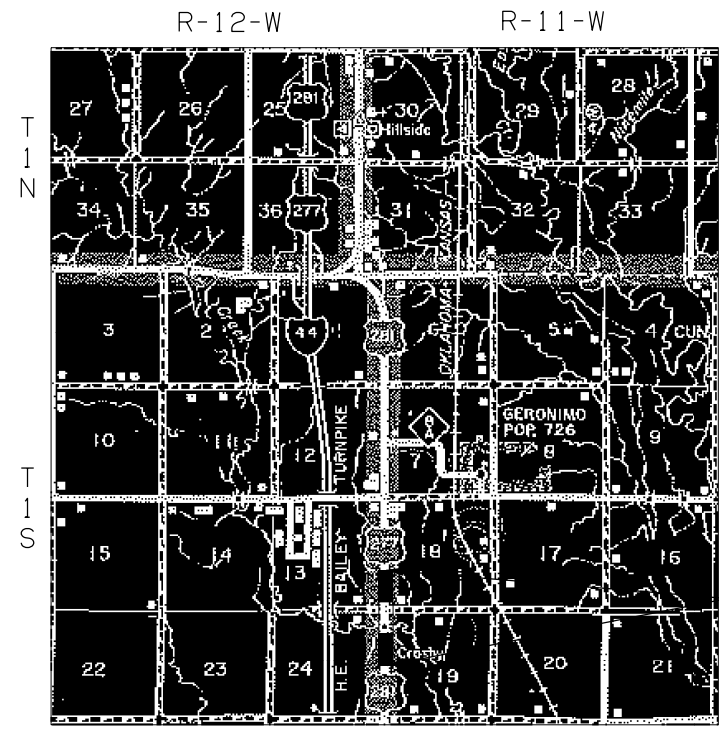
2. Secondary Control adjusted to Primary Control () Order
 Stations _____
 A) Closure before adjustment X _____; Y _____ Angles _____
 B) _____ is () Order; Tied to _____
 C) Method of Distance Measurement:
 Electronic (X) GPS () Triangulation () Chained
 Instrument used for angles _____
 D) _____

VERTICAL CONTROL IS 1ST order. Level Line taken from C-16-1055
 (1ST order and tied to C-16-1055) 1ST order. () NGVD 29 datum
 (X) NAVD 83 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.) (2nd Order = 0.035 Ft. x sqrt. of Mi.)
 (3rd Order = 0.050 Ft. x sqrt. of Mi.)

Distribution:
 Copy w/survey reports _____ JESSE L. CARROLL
 Copy in each Alignment _____ Professional Land Surveyor
 and level book _____
 _____ 1-Mar-12
 _____ Date

(FORM SD #20)
Rev. 11/03



PROJECT EXTENTS

PROJECT LENGTH 4000.00 Ft. 0.76 MI.

BEGINNING STATION : 100+00.00
ENDING STATION : 140+00.00

Utility Companies	Phone Numbers
Telephone Lines:	
ATT/D	580-248-7622
McLeodusa	918-419-3300
Electric Lines:	
Cotton Electric Co-op	580-875-3351
Water Lines:	
Cotton Co. RWD 2	580-875-2027
Comanche co. RWD 3	580-355-1343

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO 4752(1) Job/Piece: 27968(04) Engr. Contract No. 1365-B

LAND SURVEYOR'S CERTIFICATION

I hereby certify that all land and property subdivision distances, angles, corners, and monuments 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 1st day of March, 2012.

Land Surveyor *Jesse L. Carroll*

 Jesse L. Carroll

 (Professional Seal)

Oklahoma Licensed Land Surveyor No. 1071
 Certificate of Authorization No. 2706

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.

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OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION			
PLS	JLC		
DRAWN	BJG		
CHECKED	JLC		
APPROVED	JLC		
CREW	CARROLL	SWO 4752 (1) PROJECT NO. 27968(04)	SHEET NO. S001