

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

Oklahoma Department of Transportation

Date: December 14, 2012

To: Mr. Larry Reser, Chief of Surveys
 From: Cliff R. Stout Jr., Professional Land Surveyor
 Subject: SWO 4837(1) J/P No. 28774(04)
 S.H. 44, Bridge over Dry Elk Creek,
 0.3 Miles North of S.H. 55 in Sentinel

HISTORICAL LETTER AND WRITTEN REPORT

1. ASSIGNMENT OF SURVEY:

This Survey was assigned by Larry D. Reser, P.L.S. Chief of Surveys, Oklahoma Department of Transportation, 200 N.E. 21st Street, Oklahoma City, Oklahoma on March 9, 2012.

2. GENERAL:

Method of Survey: This survey was performed using the Break Line Method, applying a combination of field conventional methods to obtain topography in the main project area, and real-time kinematic GPS (RTK) to obtain information on existing land tie evidence.

Units of measurement: U.S. Survey Foot

Reference material relevant to this project:

SWO 2534(1) survey
 FAS No. S-377 (8)(9) S plans

3. SURVEY LIMITS:

This survey will begin at P.T. Sta. 581+15.62 and will extend north to P.T. Sta. 633+40.44 as established under SWO 2534(1) survey and shown on FAS No. S-377 (8)(9) S plans (approximate centerline length = 0.99 miles).

4. ALIGNMENT:

The Centerline of Survey for this project will be along and identical to the centerline of present S.H. 44 as established under SWO 2534(1) survey and shown on FAS No. S-377 (8)(9) S plans.

5. STATIONING:

Stationing for this survey will be taken from SWO 2534(1) survey and FAS No. S-377 (8)(9) S plans.

6. PURPOSE OF SURVEY

The purpose of this survey is to furnish sufficient data to develop plans to construct new bridge over Dry Elk Creek north of Sentinel. The survey will include the Alignment, Topographic/Planimetric data, Surface Features/DTM data, Land Ties, Utilities, Drainage and all other pertinent information needed to aid in the design.

7. TOPOGRAPHY / DTM INFORMATION:

The Break Line Method, applying conventional field methods to obtain topography, and analytical aerotriangulation and stereo compilation of mapping through standard aerial mapping methods was used to create a Digital Terrain Model (DTM) and has been archived within the MicroStation Design File (See: SUBMITTED DATA).

8. HORIZONTAL CONTROL:

Horizontal control for this survey was established by static and real time kinematic GPS (RTK) Survey Methods. Coordinates on this survey are NGS Oklahoma State Plane Coordinate system NAD 83(HPGN) Lambert Projection South Zone. The distances, coordinates, and elevations shown on this survey are in U.S. Survey Feet. All angles and bearings shown are in degrees, minutes, and seconds.

9. VERTICAL CONTROL:


Vertical Control for this survey is NGS, NAVD'88. Total length of run = 1.01 miles. A benchmark list depicting existing and newly established benchmarks, as well as results of the control leveling has been placed and archived within the MicroStation Design File (See: SUBMITTED DATA).

10. UTILITIES:

CALL OKIE was contacted on June 26, 2012, and utilities were located by June 28, 2012. All utility information has been shown and archived within the MicroStation Design File See: SUBMITTED DATA).

UTILITIES OWNERSHIPS:

- 1. PSO (Public Service of Oklahoma) (800) 522-6543
 Darren Stephens
 2000 W. Frisco Avenue,
 Chickasha, Ok, 73023
- 2. ONG (Oklahoma Natural Gas) (405) 522-1805
 Ellen Harris
 401 N. Harvey Ave.
 C/O GIS Conversion Center
 Oklahoma City, Ok., 73102-3470

PLS	CRS	12/12	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION  SMITH ROBERTS BALDISCHWILER, LLC <small>100 N.E. 5th Street Oklahoma City, OK 73104 Telephone: (405) 843-7094 FAX: (405) 840-5116</small> SURVEY DATA SHEET
DRAWN	TDL	12/12	
CHECKED	JAC	12/12	
APPROVED	CRS	12/12	
CREW	BC, SG, BH	SWO 4837 (1)	