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

REVISIONS	
DESCRIPTION	DATE

State of Oklahoma

Department of Transportation

Guy Engineering Services, Inc.

Dustin M. McNally, PLS 1636

10759 East Admiral Place Tulsa, Oklahoma 74116

Phone (918) 437-0282 Fax (918) 437-0455 C.A. 1427, Expires 6/2014

To: Mr. Larry Reser, Chief of Surveys

From: Dustin M. McNally, Professional Land Surveyor

Subject: SWO 4851(1), J/P No. 28857(04), S.H. 28, Bridge over Salt Creek, 1.3 Miles south of U.S. 60.

NOWATA COUNTY

Historical Letter and Written Report

1. General:

Survey began: September 27, 2012

Survey completed: January 07, 2013

Personnel on this survey:

Dustin M. McNally, PLS

Chris A. Cauthon, PLS

Jason Mock, Survey Technician

Jason Lilly, Survey Technician

Ryan Harrison, LSIT

Tim DeArmon, Survey Technician

Stevfen Miller, Survey Technician

Previous Surveys and Plans relevant to this project:

FAS No. S-57 (2) Plans

2. Assignment:

Assignment of this survey originated by ODOT Project Management Division Task Order No. EC-1394 dated April 2, 2012 from Mr. Larry Reser, PLS, Chief of Surveys. This survey was assigned to me under Engineering Contract No. EC-1394, J/P No. 28857(04).

The Assignment of the survey included:

SWO 4851(1) Survey Special Provisions

Attachment No. 1- Location Map

Attachment No. 2-Land Surveyor's Certification Form

Attachment No. 3-SD Form #7

Attachment No. 4-Specifications for surveys for Primary and Secondary Highways dated January 2011.

Attachment No. 5-Suggested sequence of survey

Attachment No. 6-Project Completion Percentages

Attachment No. 7-Standard CADD files, issued March 5, 2004

3. Purpose:

The purpose of this survey is to furnish sufficient data to develop plans to construct a new bridge over Salt Creek southeast of Nowata.

4. Survey Limits:

This survey begins at Station 280+00.00 and extends north to P.I. Station 320+22.80 (EW-23 Section Line) as shown FAS No. S-57 (2) plans (approximate centerline length= 0.76 mile).

5. Alignment:

A001 – Centerline of S.H. 28

The Centerline of Survey for this project is along and identical to the centerline of present S.H. 28 as shown on FAS No. S-57 (2) plans.

6. Stationing:

Stationing for this survey is taken from FAS S-57 (2) plans.

7. Horizontal Control:

Horizontal control for this survey is N.G.S. Oklahoma State Plane Coordinate System NAD 83 Lambert Projection North Zone (Zone 3501). The distances, coordinates, and elevations shown in this survey are U.S. Survey Feet. All angles and bearings are shown are in degrees, minutes, and seconds.

8. Vertical Control:

A. Datum:

Level datum for this survey is N.G.S. N.A.V.D. 88.

B. Source:

Level datum for this survey was taken from G.P.S. network solution using CORS Stations OKMU, OKTU, ARFY, and MOCA and HARN stations E17 and PIERRE. The resulting elevations were applied to control points on each end of the project.

C. Method:

A double line of differential levels was run through the site using Sokkia model 300 and B21 automatic levels.

D. Accuracy:

These benchmarks exceed the requirements for N.G.S. 3rd order leveling.

E. Results:

The results of these level runs have been placed in a list in the project design file showing the BM number, elevation, run 1 and run 2 differences, description of each benchmark, and position by station and offset from the CLS.

9. Measurement Units:

The distances, coordinates, and elevations shown on this survey are in US SURVEY FEET. All angles and bearings shown are in degrees, minutes, and seconds.

PLS	DMM	
DRAWN	VKM	
CHECKED	CAC	
APPROVED	DMM	
CREW	GES, INC.	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4851(1) PROJECT NO. 28857(04) SHEET NO. S002