

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
ODOT DIVISION	STATE	JOB PIECE No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
8	OKLA	27092(04)		40	143

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 4744(1), J/P No. 27092(04), U.S. 169, Bridge over Opossum Creek, 17 miles north of U.S. 60 at Nowata.

NOWATA COUNTY
Historical Letter and Written Report

1. General:
Survey began: February 20, 2013
Survey completed: April 10, 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
Brandon Travers, Survey Technician

Amanda Reid, Survey Technician
Vincent Miller, Survey Technician
Benjamin Marts, Engineer Intern

Previous Surveys and Plans relevant to this project:
SWO 2137(1) Survey
FAP No. F-193 (12) Plans

2. Assignment:
Assignment of this survey originated by ODOT Project Management Division Task Order No. EC-1412D dated August 13, 2011 from Mr. Larry Reser, PLS, Chief of Surveys. This survey was assigned to me under Engineering Contract No. EC-1365, J/P No. 27092(04).
The Assignment of the survey included:
SWO 4744(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 Opossum Creek north of Nowata.

4. Survey Limits:

This survey begins at Station 889+49.10 (EW-5 Section Line) and extends north to Station 925+00 as shown on SWO 2137(1) survey and FAP No. F-193 (12) plans.
There is a station equation shown on SWO 2137(1) survey and FAP No. F-193 (12) plans as Sta. 895+00 Bk. = Sta. 860+31.15 Fwd. This equation has been eliminated.

5. Alignment:
A001 – Centerline of present U.S. 169
The Centerline of Survey is 32.00 feet east and parallel to the centerline of survey as established under SWO 2137(1) survey and shown on FAP No. F-193 (12) plans.

6. Stationing:
A station value of Sta. 825+62.30 has been assigned to the point of intersection with EW-5 Section Line as the Beginning of Survey. Stationing increases north from this point to the End of Survey without equation, except with other surveys and 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:
Recovered NGS First Class II order benchmark P.I.D. GG0455, designation RV 2, a standard monel-metal rivet in top of concrete headwall.
C. Method:
A double line of differential levels was run through the site using Sokkia model 300 and B21 automatic levels.
D. Accuracy:

PLS	DMM	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION SURVEY DATA SHEET (2) SWO 4744(1) PROJECT NO. 27092(04) SHEET NO. 40
DRAWN	ARR	
CHECKED	VKM	
APPROVED	DMM	
CREW	GES, INC.	