

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

DESCRIPTION	REVISION	DATE

INDEX OF SHEETS

1. TITLE SHEET & SURVEYORS CERTIFICATION
1. ODOT FORM SD-20 & UTILITY OWNERS
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SURVEY BEGAN: FEBRUARY 27, 2012
 SURVEY COMPLETED: JUNE 21, 2012
 VERSION 2 REVISION: OCTOBER 22, 2013

PERSONNEL:
 R. WADE BENNETT, PLS
 R. WESLEY BENNETT, PLS
 DUSTIN K. MORROW, PARTY CHIEF
 GRANT Q. INGRAM, PARTY CHIEF
 JUSTIN BASSE, PARTY CHIEF

EQUIPMENT:
 TOPCON GPT3005W TOTAL STATION
 TOPCON HIPER GPS (STATIC SURVEY)
 TOPCON HIPER GPS (RTK SURVEY)
 WILD NA3 DIFFERENTIAL LEVEL

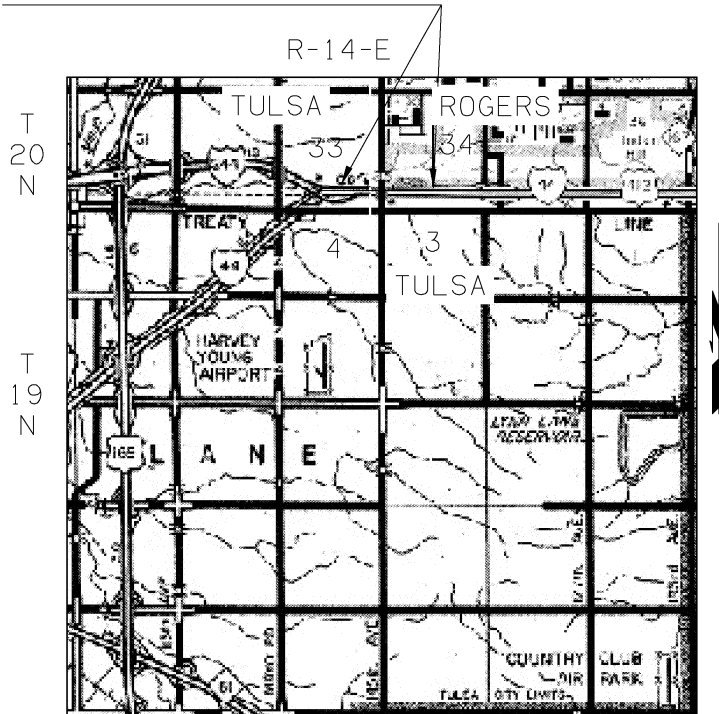
STATE OF OKLAHOMA
 DEPARTMENT OF TRANSPORTATION

SURVEY OF
 Interstate-44
 SWO 4707(2)
 J/P NO. 21899(04)

OKLAHOMA

I-44 FROM APPROX. MAYO ROAD EAST TO APPROX 161ST
 EAST AVE AND BRIDGE AT 145TH EAST AVE., APPROX. 0.7
 MILES EAST OF THE I-244 JCT. IN TULSA

PROJECT EXTENTS



PROJECT LENGTH 9411.98 Ft. 1.78 MI.

BEGINNING STATION : 725+88.02
 ENDING STATION : 820+00.00

STATE OF OKLAHOMA
 DEPARTMENT OF TRANSPORTATION
 SURVEY DIVISION

SWO 4707(2) J/P 21899(04) TULSA CO.

HORIZONTAL CONTROL:
 Oklahoma Coordinate System of 1927 Zone.
 Oklahoma Coordinate System of 1983 NORTH 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 1.00010. The ODOT Coordinate System is 2350 feet above sea level.

1. T-72-540 (BM 104) adjusted to T-72-207 (BM 121) (A) Order Stations 63.78' Rt Sta. 796+13.48 (BM 104) to 144.28' Rt Sta. 745+76.62 (BM 121)
 A) Closure before adjustment X NA ; Y NA Angles NA
 Trav. Length 5044.46' No. Angles 3 OBS. ; 1: 150,000
 B) T-72-540 (BM 104) ; is (2ND) Order before adjustment.
 C) Method of Distance Measurement:
 Electronic GPS Triangulation Chained
 D) Instrument used for angles TOPCON HIPER
2. T-72-540 (BM 104) adjusted to T-72-1436 (BM 107) (A) Order Station 63.78' Rt Sta. 796+13.48 A1 (BM 104) to 131.82' Lt Sta. 100+42.33 A5 (BM 107)
 A) Closure before adjustment X NA ; Y NA Angles NA
 B) BM 104 ; is (2ND) Order; Tied to BM 107
 C) Method of Distance Measurement:
 Electronic GPS Triangulation Chained
 D) Instrument used for angles WILD NA3 / ASFR / FVFI

VERTICAL CONTROL IS (1ST) order, Level Line taken from T-72-540 (BM 104)
 (2ND) order and tied to T-72-1436 (BM 107) (2ND) order.

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
 Copy in each Alignment and level book
 Professional Land Surveyor
 Date 6-25-12
 (FORM SD #20) Rev. 11/05

Utilities	
Utility	Phone Number
Communication Lines:	
AT&T/SWB	918-237-9768
MBO Video	918-346-2241
Level 3 Comm	918-519-9019
Electric Lines:	
O.D.O.T.	405-537-7036
PSO	918-599-2272
Water/Sewer Lines:	
City of Tulsa	918-596-9566

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 JANUARY 2011 GOVERN.

Electronic File Transfer Disclaimer:
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STATE OF OKLAHOMA
 DEPARTMENT OF TRANSPORTATION

SWO 4707(2) Job/Piece 21899(04) Engr. Contract No. 1358

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:

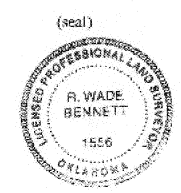
- Applicable instructions contained in the U.S. Government Bureau of Land Management publication "Manual of Survey Instruction",
- Its supplement, "Restoration of Lost or Obliterated Corners and Sub-division of Sections";
- "Oklahoma Minimum Standards for the Practice of Land Surveying" as adopted by 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 JUNE, 2012.

Land Surveyor R. Wade Bennett
 Signature
R. WADE BENNETT
 Printed Name



Oklahoma Licensed Land Surveyor No. 1556

Certificate of Authorization No. 4502

PLS	RWA	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	GAA	
CHECKED	AKB	
APPROVED	BAP	
CREW	CHOUTEAU	

SURVEY DATA SHEET

SWO 4707 (2) PROJECT NO. 21899(04) SHEET NO. S-1