

TRAFFIC DESIGN

PROJECT ENGINEER: T. MAAROUF, PE
SQUAD SUPERVISOR: B. ABRAHAM

ROADWAY DESIGN

PROJECT ENGINEER: E. ELDER, PE
SQUAD SUPERVISOR: S. GREEN

BRIDGE DESIGN

SQUAD SUPERVISOR: M. PEARSON
SQUAD MEMBERS: T. TREJO, T. SORRELS, R. SOLIZ
R. TAYLOR, D. THOENDEL

ENGINEERING MANAGER: J. HERNANDEZ, PE
ENGINEER: G. THOMAS, PE
ENGINEER: C. MACHEBE, EIT

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
STATE HIGHWAY

FEDERAL AID PROJECT NO. ACSTP-242C(046)SS
BRIDGE AND APPROACHES
STATE HIGHWAY 33


LOGAN COUNTY

CONTROL SECTION NO.: 33-42-06
STATE JOB NO. 21860(04)
BRIDGE "A" LOCATION NO. 4206 1442X
EXISTING NBI NO. 05047; NEW NBI NO. 31475

FOR INDEX OF SHEETS AND STANDARDS, SEE SHEET 0002

FOR SURVEY CONTROL DATA,
SEE SURVEY DATA SHEETS

DESIGN DATA	
ADT 2016	= 12,000
ADT 2036	= 16,800
DHV (TWO-WAY)	= 924
K (DHV/ADT)	= 11%
D	= 55%
T (% DHV)	= 9%
T (% ADT)	= 11%
T ³ (% ADT)	= 6%
V	= 45MPH
20 YR FLEXESALS	= 6.94M

SCALES  1" = 100'

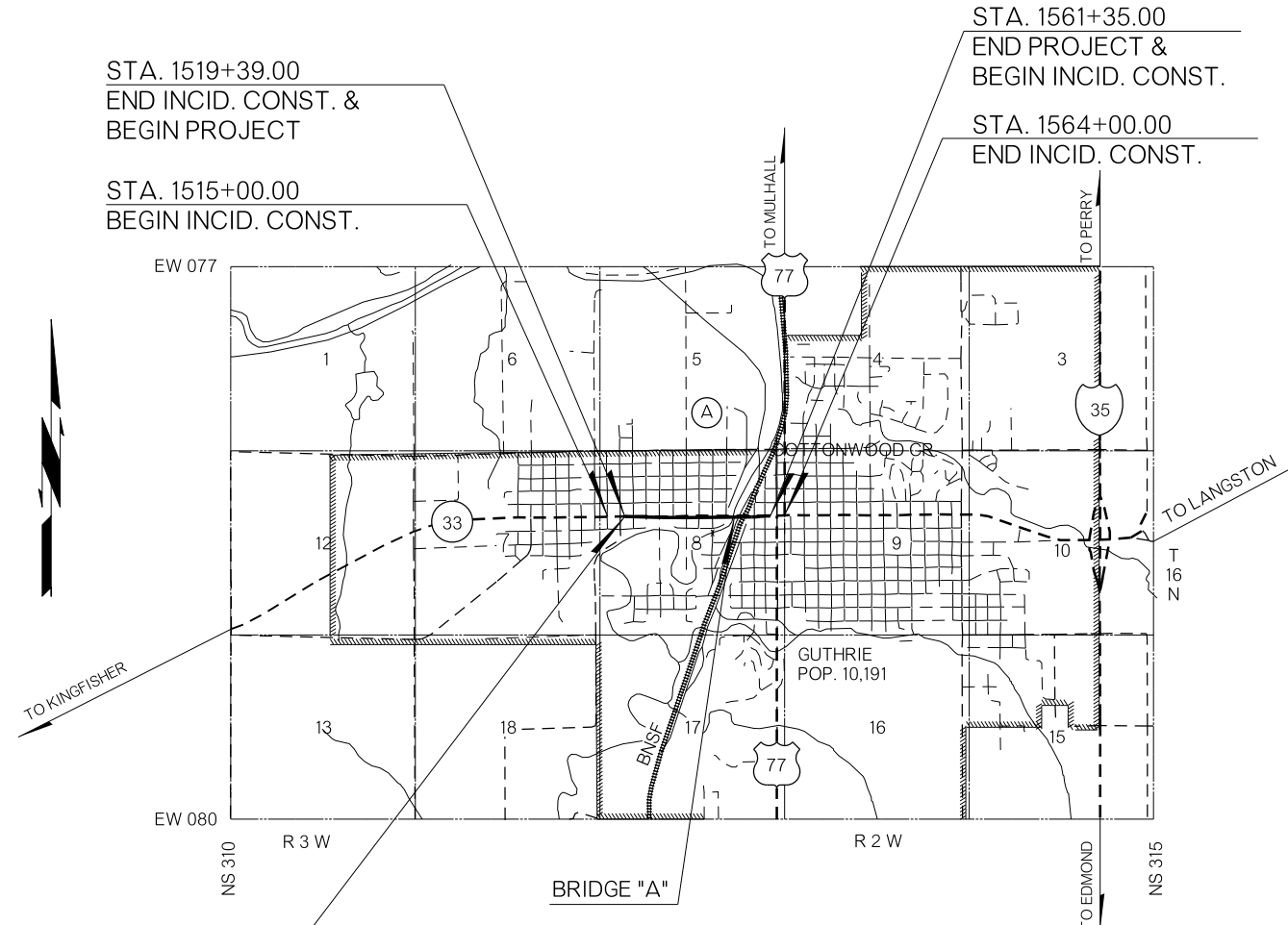
PLAN 1" = 100'

PROFILE HOR. 1" = 100'

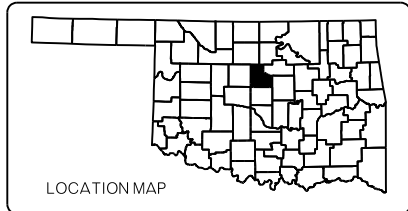
VER. 1" = 10'

LAYOUT MAP 1" = 5,280'

- CONVENTIONAL SYMBOLS
- PROPOSED ROAD
 - RAILROADS
 - RANGE & TOWNSHIP SECTION LINES
 - QUARTER SECTION LINES
 - FENCES
 - GROUND LINE
 - EXISTING ROADS
 - BASE LINE
 - GRADE LINES
 - TELEPHONE & TELEGRAPH
 - POWER LINES
 - BUILDINGS
 - OILWELL
 - DRAINAGE STRUCTURES - IN PLACE
 - DRAINAGE STRUCTURES - NEW
 - RIGHT-OF-WAY LINES - EXISTING
 - RIGHT-OF-WAY LINES - NEW
 - CONTROLLED ACCESS
 - RIGHT-OF-WAY FENCE



CONTROL SUB-SECTION
NO. 13.91



PROJECT LENGTH BASED ON CRL STATIONING


ROADWAY LENGTH	2514.33	FT.	0.476	MI.
BRIDGE LENGTH	1681.67	FT.	0.318	MI.
PROJECT LENGTH			0.794	MI.

EQUATIONS : STA. 1537+00.22 BK. = STA. 1537+00.00 AHD
 STA. 1561+00.56 BK. = STA. 1560+99.73 AHD.

EXCEPTIONS: NONE

BEGIN BRIDGE STA: 1538+52.45
 BRIDGE LENGTH: 1681.67' BRIDGE "A"
 END BRIDGE STA: 1555+34.11

PREPARED BY:
OKLAHOMA DEPARTMENT OF TRANSPORTATION
BRIDGE DESIGN DIVISION
JUSTIN CHARLES HERNANDEZ, P.E.
REG. NO. 22341
DATE 8/19/2016



OKLAHOMA DEPARTMENT OF TRANSPORTATION
DATE APPROVED _____
BY _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED _____
BY _____
DIVISION ADMINISTRATOR

SWO SWO-4432(1) PROJECT NO. ACSTP-242C(046)SS
COUNTY LOGAN HIGHWAY SH-33 SHEET NO. 0001

P.E. NO. 21860(01)

2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, JANUARY 4, 2010.