

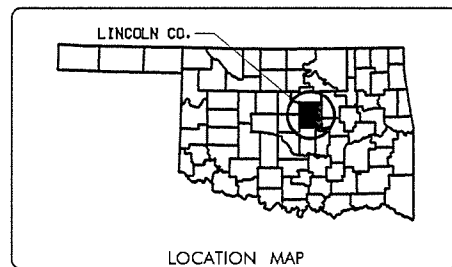
DESCRIPTION	REVISIONS	DATE

SURVEY CONTROL DATA:
SEE SURVEY DATA SHEETS

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT ACSTP-241B(04)SS
BRIDGE AND APPROACHES
UNITED STATES HIGHWAY 177 OVER BRUSH CREEK
LINCOLN COUNTY

CONTROL SECTION NO. 177-41-33
STATE JOB NO. 28941(04)
BRIDGE LOCATION NO. 4153 0071 X
EXISTING NBI NO. 15689 NEW NBI NO. 31154



INDEX OF SHEETS

1	TITLE SHEET
2	TYPICAL SECTIONS
3	SUMMARY OF PAY QUANTITIES (ROADWAY)
4	SUMMARY OF QUANTITIES AND GENERAL NOTES (BRIDGE)
5	SUMMARY OF PAY QUANTITIES (SIGNING AND STRIPING)
6	SUMMARY OF PAY QUANTITIES (TRAFFIC CONTROL)
7	SUMMARY SHEET
8	DRAINAGE DESIGN RECORD
9	STORM WATER MANAGEMENT PLAN
10-12	EROSION CONTROL (3 SHEETS)
13-14	PLAN & PROFILE (2 SHEETS)
15	DRAINAGE DETAIL
16	REMOVAL DETAILS
17-18	SIGNING AND STRIPING (2 SHEETS)
19	CONSTRUCTION SEQUENCE
20-22	PLAN & PROFILE DETOUR (3 SHEETS)
23	TRAFFIC CONTROL ADVANCE WARNING SIGNS
24-25	TRAFFIC CONTROL PLAN PHASE 1 (2 SHEETS)
26-27	TRAFFIC CONTROL PLAN PHASE 2 (2 SHEETS)
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BRIDGE SHEETS

30	GENERAL PLAN & ELEVATION
31	STRUCTURE PROFILE
32-35	BARREL DETAILS (4 SHEETS)
36-38	HEADWALL DETAILS (3 SHEETS)

S-1 TO S-9 SURVEY DATA SHEETS

CROSS SECTION SHEETS

X-1 TO X-11 US-177

THE FOLLOWING ODOT STANDARDS WILL BE REQUIRED ON THIS PROJECT:

ROADWAY	BRIDGE	TRAFFIC
SSS-1-1	RCB-E3-H10-0-1-01E	RS1-1-00
TSC2-3-2	RCB-E3-H10-0-2-01E	PM3-1-02
TFL-1-1	RCB-CW3-D8-0-01E	TCS1-1-01
TRFD-1-2	RCB-C1-8(2-14)-01E	TCS2-1-00
PSE-1-0	RCB-E1-H3-30-1-01E	TCS3-1-01
TWD-1-0	RCB-E1-H3-30-2-01E	TCS4-1-01
CET4S-3-2	RCB-E1-H3-30-3-01E	TCS5-1-00
PCES-4-1	RCB-E1-H3-30-3-01E	TCS6-1-02
SPI-4-1	RCB-CW1-D4-30-01E	TCS7-1-02
SPB-1-4		TCS8-1-00
FHTMPP-1-D		TCS9-1-01
SBI-4-2		TCS10-1-00
MI-3-0		TCS11-1-01
RDI-3-1		TCS13-1-00
DC-3-2		TCS14-1-00
PDT-1-3		TCS15-1-00
RWF2-2-1		TCS19-1-01
		TCS20-1-00
		TCS21-1-02
		TCS22-1-00

DESIGN DATA

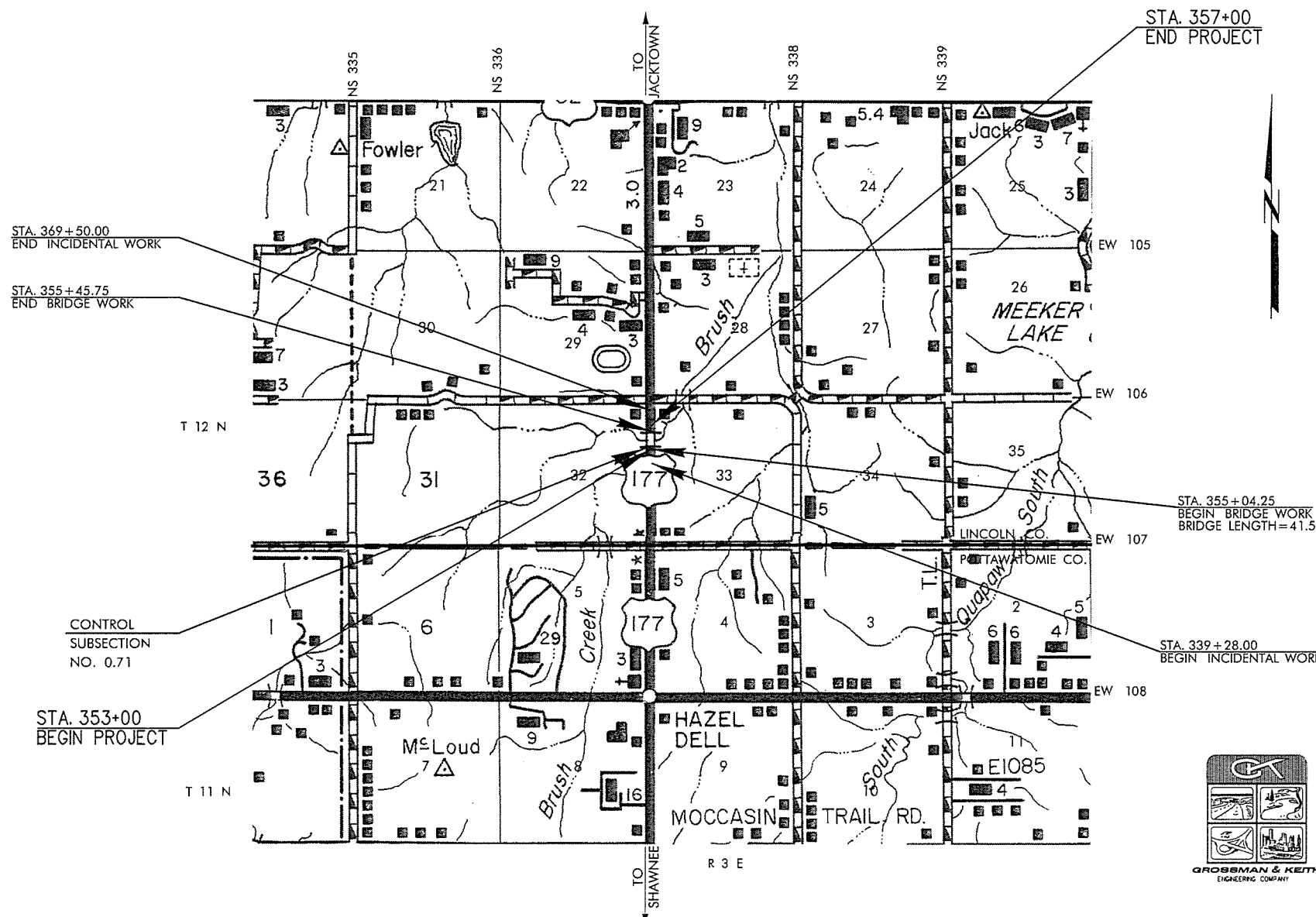
ADT 2016	=	3400
ADT 2036	=	4700
DHV	=	517
K (DHV/ADT-2 WAY)	=	11 %
D	=	56 %
T (% DHV)	=	14 %
T (% ADT)	=	18 %
T ₃ (% ADT)	=	11 %
V	=	65 MPH
20yr. Flex ESALS	=	4.33 Million

SCALES

PLAN	1" = 50'
PROFILE HOR.	1" = 50'
VER.	1" = 5'
LAYOUT MAP	1" = 2640'

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
	CISTERN
	DRAINAGE STRUCTURES - IN PLACE
	DRAINAGE STRUCTURES - NEW
	RIGHT-OF-WAY LINES - EXISTING
	RIGHT-OF-WAY LINES - NEW
	CONTROLLED ACCESS
	RIGHT-OF-WAY FENCE



ROADWAY LENGTH ----- 358.50 FT. = 0.068 MI.
 BRIDGE LENGTH ----- 41.50 FT. = 0.008 MI.
 PROJECT LENGTH ----- 0.076 MI.
 EQUATIONS: ----- NA



PREPARED BY:
GROSSMAN & KEITH ENGINEERING CO.
10408 GREENBRIAR PLACE
OKLAHOMA CITY, OKLAHOMA 73159
(405)-691-3213
C.A. #CA74 EXP. 6-30-16

DATE 6/13/16
BRAD DONWERTH
19552
OKLA. REG. NO. 19552

DATE 6/13/16
John H. Johnson, P.E.
OKLA. REG. NO. 14780

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED _____	DATE APPROVED _____
BY _____ CHIEF ENGINEER	BY _____ DIVISION ADMINISTRATOR
SWO 4823(1)	PROJECT NO. ACSTP-241B(04)SS SHEET NO. 1

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