

SURVEY CONTROL DATA:
SEE SURVEY DATA SHEETS

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
COUNTY HIGHWAY

FEDERAL AID PROJECT NHPPI-3500-(060)SS
BRIDGE AND APPROACHES
ROCK CRUSHER ROAD

MURRAY COUNTY

CONTROL SECTION NO. 35-50-32
STATE JOB NO. 30363(04)

BRIDGE "A" LOCATION NO. 5032-0839X
EXISTING NBI NO. 17571, NEW NBI NO. 31500

INDEX OF SHEETS

DESCRIPTION	REVISIONS	DATE
1	TITLE SHEET	
2-3	TYPICAL SECTION (2 SHTS.)	
4	SUMMARY OF PAY QUANTITIES - ROADWAY	
5	SUMMARY OF PAY QUANTITIES - SIGNING AND STRIPING	
6	SUMMARY OF PAY QUANTITIES - TRAFFIC CONTROL	
7	SUMMARY OF PAY QUANTITIES (BRIDGE)	
8-9	SUMMARY SHEET (2 SHTS.)	
10	DRAINAGE DESIGN RECORD	
11	STORM WATER MANAGEMENT PLAN	
12-14	EROSION CONTROL DETAILS (3 SHTS.)	
15-17	PLAN & PROFILE (3 SHTS.)	
18-21	DRAINAGE DETAILS (4 SHTS.)	
22	REMOVAL DETAILS	
23-24	SIGNING AND STRIPING (2 SHTS.)	
25-26	GUARDRAIL DETAILS (2 SHTS.)	
27-29	CONSTRUCTION SEQUENCE (3 SHTS.)	
30-31	DETOUR P&P SHEETS (2 SHTS.)	
32	TRAFFIC CONTROL ADVANCE WARNING SIGNS	
33-34	TRAFFIC CONTROL PLAN PHASE 1 (2 SHTS.)	
35-36	TRAFFIC CONTROL PLAN PHASE 2 (2 SHTS.)	
37-38	TRAFFIC CONTROL PLAN PHASE 3 (2 SHTS.)	
39	TRAFFIC CONTROL PLAN - TRAFFIC SHIFT	
40-42	MASS HAUL DIAGRAMS (3 SHTS.)	

BRIDGE SHEETS

43	GENERAL PLAN & ELEVATION
44	DESIGN DATA & SUMMARY OF QUANTITIES
45-46	FOUNDATION REPORT (2 SHEETS)
47	BRIDGE STAKING DIAGRAM
48-55	ABUTMENT DETAILS (8 SHEETS)
56	SUBSTRUCTURE EXCAVATION AND PIPE UNDERDRAIN DETAILS
57-60	PIER DETAILS (4 SHEETS)
61	SUBSTRUCTURE EXCAVATION
62	TYPICAL SECTION
63	LONGITUDINAL SECTION
64	GIRDER LAYOUT
65	EXPANSION JOINT DETAILS & PARAPET LAYOUT
66-68	CONCRETE DECK DETAILS (3 SHEETS)
69-70	TYPE III P.C. BEAM DETAILS (2 SHEETS)
71-72	TYPE J P.C. BEAM DETAILS (2 SHEETS)
73-74	DIAPHRAGM DETAILS (2 SHEETS)
75-76	BEARING ASSEMBLY DETAILS (2 SHEETS)
77-78	APPROACH SLAB DETAILS (2 SHEETS)
79-80	SLOPE WALL DETAILS (2 SHEETS)
81	BRIDGE REMOVAL-EXISTING BRIDGE OVER I-35

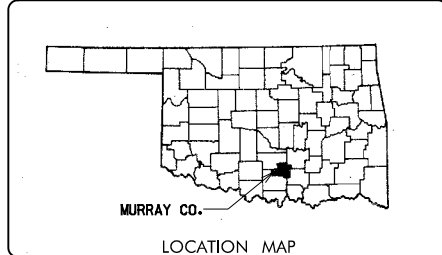
S-1 TO S-17 SURVEY DATA SHEETS

CROSS SECTION SHEETS

X-1 TO X-25 ROCK CRUSHER ROAD
X-26 TO X-39 PUBLIC RD. ##

THE FOLLOWING ODOT STANDARDS WILL BE REQUIRED ON THIS PROJECT:

ROADWAY	BRIDGE	TRAFFIC
SSS-1-1	F5HP-42-2-00E	PM3-1-02
TSC2-3-2	EJ-SQ-04E	TCS1-1-01
TFL-1-1	EJ-DTL-02E	TCS2-1-00
TRFD-1-2	HP-1-2-01E	TCS3-1-01
LECS-4-1	RCB-C1-3&4&5(2-20)-01E	TCS4-1-01
PSE-1-0	RCB-C1-6(2-14)-01E	TCS5-1-00
CET4S-3-2	RCB-E1-H5-0-1-01E	TCS6-1-02
GPI-4-0	RCB-E1-H5-0-2-01E	TCS7-1-02
SPI-4-1	RCB-CW1-D4-0-01E	TCS8-1-00
FPI-3-3		TCS9-1-01
SPB-1-4		TCS10-1-00
FHTMPP-1-0		TCS11-1-01
SBI-4-2		TCS12-1-00
PUD-3-2		TCS13-1-00
MI-3-0		TCS14-1-00
RDH-3-1		TCS15-1-00
DC-3-2		TCS16-1-00
PDT-1-3		TCS19-1-01
RWF2-2-1		TCS20-1-00
		TCS21-1-02
		TCS22-1-00
		TCS23-1-00
		TCS24-1-02



BRIDGE "A"
BEGIN BRIDGE STA. 24+35.17 CL ROCK CRUSHER RD.
BRIDGE LENGTH = 336.66 FT.
END BRIDGE STA. 27+71.75 CL ROCK CRUSHER RD.

DESIGN DATA

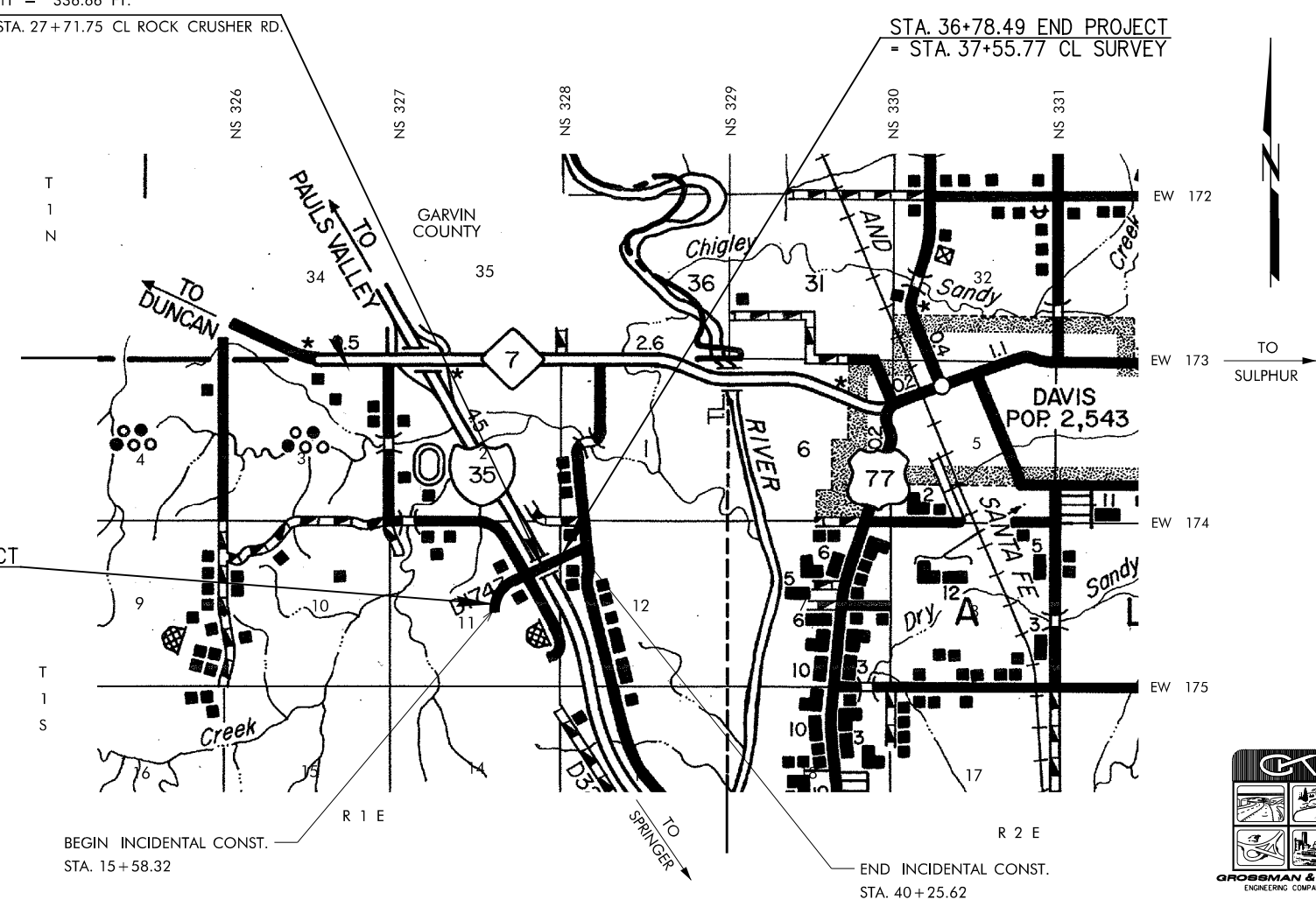
ADT 2017	= 636
ADT 2037	= 796
DHV	= 92
K (DHV/ADT-2 WAY)	= 12 %
D	= 57 %
T (% DHV)	= 75 %
T (% ADT)	= 85 %
T ₃ (% ADT)	= 60 %
V	= 45 MPH
20yr. Flex ESALS	= 4.09 Million

SCALES

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

CONVENTIONAL SYMBOLS

[Symbol]	PROPOSED ROAD
[Symbol]	RAILROADS
[Symbol]	RANGE & TOWNSHIP
[Symbol]	SECTION LINES
[Symbol]	QUARTER SECTION LINES
[Symbol]	FENCES
[Symbol]	GROUND LINE
[Symbol]	EXISTING ROADS
[Symbol]	BASE LINE
[Symbol]	GRADE LINES
[Symbol]	TELEPHONE & TELEGRAPHY
[Symbol]	POWER LINES
[Symbol]	BUILDINGS
[Symbol]	WELLS
[Symbol]	DRAINAGE STRUCTURES - IN PLACE
[Symbol]	DRAINAGE STRUCTURES - NEW
[Symbol]	RIGHT-OF-WAY LINES - EXISTING
[Symbol]	RIGHT-OF-WAY LINES - NEW
[Symbol]	CONTROLLED ACCESS
[Symbol]	RIGHT-OF-WAY FENCE



ROADWAY LENGTH	1585.84 FT.	= 0.300 MI.
BRIDGE LENGTH	336.66 FT.	= 0.063 MI.
PROJECT LENGTH		0.363 MI.
EQUATIONS:		
EXCEPTIONS:		



PREPARED BY:
GROSSMAN & KEITH ENGINEERING CO.
10408 GREENBRIAR PLACE
OKLAHOMA CITY, OKLAHOMA 73159
(405)-991-3213
C.A. #CA74 EXP. 6-30-18

DATE 6-27-17
BY Brad Donwerth, P.E.
OKLA. REG. NO. 19552

DATE 6-27-17
BY John H. Johnson, P.E.
OKLA. REG. NO. 14780

OKLAHOMA DEPARTMENT OF TRANSPORTATION

DATE APPROVED _____
BY _____
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

DATE APPROVED _____
BY _____
DIVISION ADMINISTRATOR

SWO 5028(1) PROJECT NO. NHPPI-3500-(060)SS SHEET NO. 1

P.E. NO. : 24062(01)

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