

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
STATE HIGHWAY
PROJECT NO. STP-218C(059)SS
BRIDGE AND APPROACHES
SH 10 OVER BIG CABIN CREEK
CRAIG COUNTY

CONTROL SECTION 10-18-20
STATE JOB NO. 29068(04)

BRIDGE A LOCATION NO.1820-0354X EXISTING NBI NO.13905, NEW NBI NO. 31397

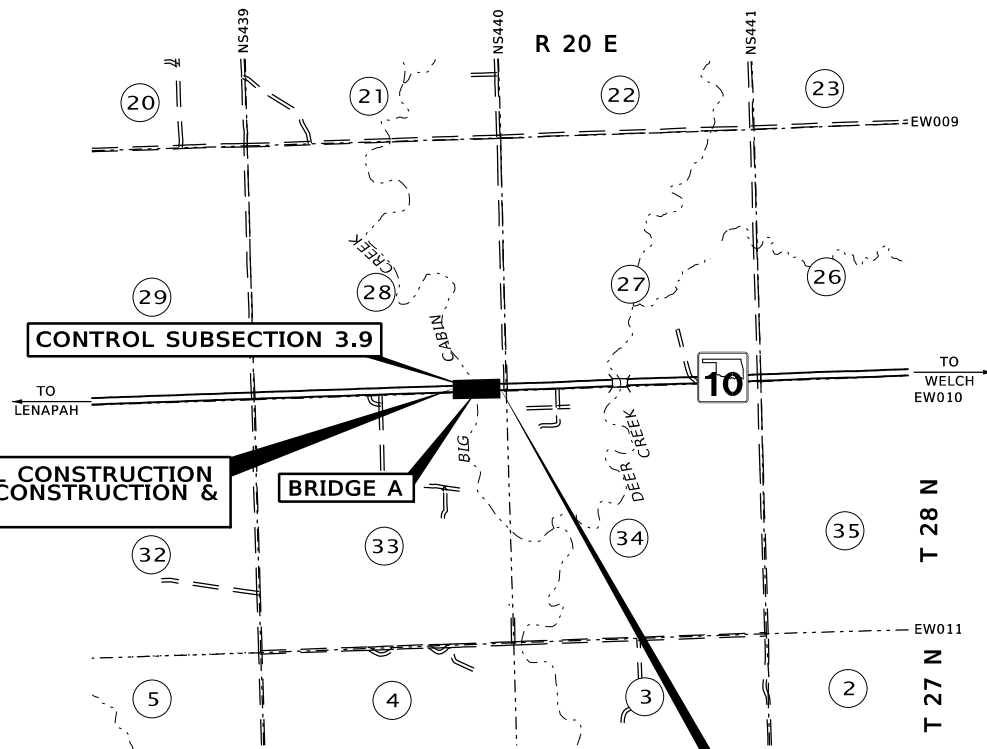
FOR SURVEY CONTROL DATA,
SEE SURVEY DATA SHEETS

INDEX OF SHEETS

ROADWAY DRAWINGS	
1	TITLE SHEET
2	TYPICAL SECTIONS
3	MISCELLANEOUS DETAILS
4	GENERAL CONSTRUCTION NOTES
5	ENVIRONMENTAL NOTES
6	ROADWAY PAY ITEMS & NOTES
7	TRAFFIC PAY ITEMS & NOTES
8 - 9	BRIDGE PAY ITEMS AND GENERAL NOTES (1) - (2)
10	SUMMARIES
11	STORM WATER MANAGEMENT PLAN
12 - 13	PLAN & PROFILE - SH 10 (1) - (2)
14	GUARDRAIL LAYOUT
15	REMOVALS
16	EROSION CONTROL
17 - 18	SUGGESTED CONSTRUCTION SEQUENCE/TRAFFIC CONTROL (1) - (2)
19	DETOUR ROUTE
20	SIGNING & STRIPING
21 - 31	SURVEY DATA SHEET (1) - (11)
BRIDGE DRAWINGS	
32	GENERAL PLAN AND ELEVATION
33	FOUNDATION REPORT
34 - 35	TYPICAL SECTION (1) - (2)
36	CONSTRUCTION PHASING
37	STAKING DIAGRAM
38 - 41	ABUTMENT DETAILS (1) - (4)
42 - 44	PIER DETAILS (1) - (3)
45 - 47	GIRDER DETAILS (1) - (3)
48 - 49	SUPERSTRUCTURE DETAILS (1) - (2)
50	LONGITUDINAL SECTION
51 - 52	APPROACH SLAB DETAILS (1) - (2)
CROSS SECTIONS	
X1 - X7	CROSS SECTIONS - SH 10

DESIGN DATA

AADT 2017	500
AADT 2037	700
K (DHV / ADT-TWO WAY)	11%
D (DIRECTIONAL DIST.)	58%
T (% OF DHV)	17%
T (% OF AADT)	20%
T ³ OVERLOADS (AXLES)	15%
20-YR FLEX ESALS	0.95 MIL
SH 10	V=65 MPH



STA. 1425+00.00 BEGIN INCIDENTAL CONSTRUCTION
STA. 1433+40.00 END INCIDENTAL CONSTRUCTION &
BEGIN SH 10 CONSTRUCTION

STA. 1443+30.00 END SH 10 CONSTRUCTION &
BEGIN INCIDENTAL CONSTRUCTION
STA. 1451+75.00 END INCIDENTAL CONSTRUCTION

BR A STA. 1436+84.15
BR LENGTH= 230.50'
STA. 1439+14.65

PROJECT LENGTH BASED ON Q SURVEY

ROADWAY LENGTH	759.50 FT.	0.143 MI.
BRIDGE LENGTH	230.50 FT.	0.043 MI.
PROJECT LENGTH		0.186 MI.
EQUATIONS:	NONE	
EXCEPTIONS:	NONE	

THE FOLLOWING ODOT STANDARDS WILL BE REQUIRED

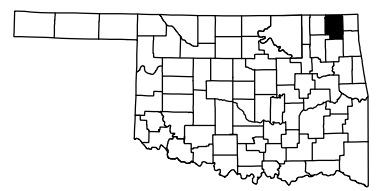
ROADWAY	TRAFFIC CONTROL	TRAFFIC SIGNING	TRAFFIC SAFETY	BRIDGE
ECM1-3-1	TCS1-1-01	PM3-1-02	THR1-1-02	TR4-2-00E
SSS-1-1	TCS2-1-00	DU2-1-00	SKT-1-00	HP1-2-01E
TSC2-3-2	TCS3-1-01	WSD3-1-00	GHW1-1-00	B40-STL-BM-BRACING-00E
TSD-2-0	TCS4-1-01	SBS1-1-00	GHW2-1-00	B40-I-ABUT-MISC-01E
LECS-4-1	TCS5-1-00	GMS1-1-00		B40-I-BRG-RB-02E
SSCD-3-1	TCS6-1-02	GMS2-1-00		
PUD-3-2	TCS7-1-02	SSP1-1-02		
PDT-1-3	TCS8-1-00	SSA1-1-00		
RWF2-2-1	TCS9-1-01	FGS1-1-00		
RWF3-2-2	TCS11-1-01			
	TCS14-1-00			
	TCS19-1-01			
	TCS20-1-00			
	TCS21-1-02			
	TCS23-1-00			
	TCS24-1-02			

SCALES

PLAN	1" = 50'
PROFILE HOR.	1" = 50'
VER.	1" = 5'
LAYOUT MAP	1" = 2000'

CONVENTIONAL SYMBOLS

PROPOSED ROAD	TUG	TELEPHONE UNDERGROUND
RAILROADS	SS	SANITARY SEWER
RANGE & TOWNSHIP	G	GAS LINE
SECTION LINES	W	WATER LINE
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		
RIGHT-OF-WAY MARKERS - IN PLACE		
RIGHT-OF-WAY MARKERS - REMOVE & REPLACE		
RIGHT-OF-WAY MARKERS - NEW		
CONTROLLED ACCESS		
RIGHT-OF-WAY FENCE		
NIC		NOT IN CONTRACT



**LOCATION MAP
DIVISION 8**

CERTIFICATE OF AUTHORIZATION NO. 7569 P.E., L.S. RENEWAL DATE 6-30-18

BENHAM
a Haskell Company
Benham Design, LLC
One West Third Street, Suite 200
Tulsa, Oklahoma 74103
(918) 492-1600

Shannon A. Koeninger
Shannon A. Koeninger, P.E.
OK P.E. NO. 20481
PROJECT ENGINEER
DATE: 7/31/2017

REGISTERED PROFESSIONAL ENGINEER
SHANNON A. KOENINGER
20481
OKLAHOMA

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED	DATE APPROVED
BY	BY
CHIEF ENGINEER	DIVISION ADMINISTRATOR
S.W.O. 5076(1)	PROJECT NO. STP-218C(059)SS Sheet No. 1