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STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
UNITED STATES HIGHWAY
PROJECT NO. ACNHPP-253N(036)SS
BRIDGE AND APPROACHES
UNITED STATES HIGHWAY 169 OVER HICKORY CREEK
NOWATA COUNTY

OKLAHOMA DEPARTMENT OF TRANSPORTATION				
ODOT DIVISION	STATE	JOB PIECE No.	FISCAL SHEET YEAR No.	TOTAL SHEETS
8	OKLA	24750(04)	1	127
DESCRIPTION		REVISIONS	DATE	

MANDATORY TIE:
THE FOLLOWING PROJECT IS MANDATORILY TIED AND SHALL BE BID ACCORDINGLY:
1. JP 27092(04), PROJECT No. ACNHPP-253N(037)SS, US-169 OVER OPOSSUM CREEK AND OPOSSUM CREEK OVERFLOW, NOWATA COUNTY

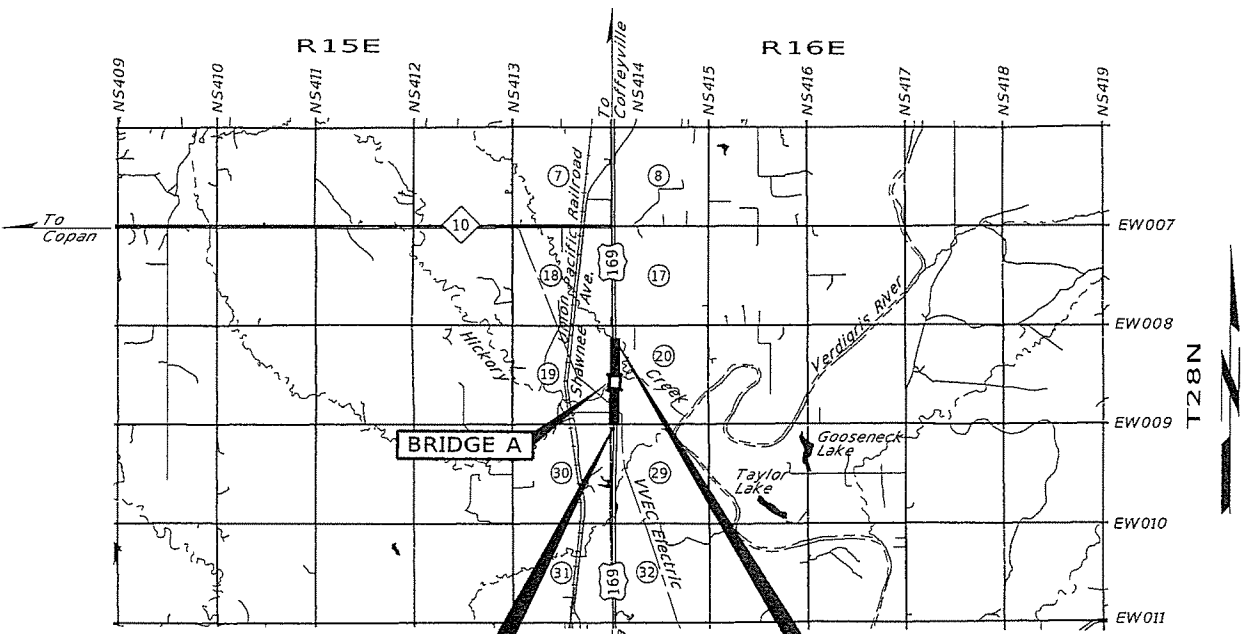
CONTROL SECTION 169-53-08
STATE JOB NO. 24750(04)
BRIDGE A LOCATION NO. 5308-1323X EXISTING NBI NO. 17018, NEW NBI NO. 30985

INDEX OF SHEETS

ROADWAY DRAWINGS	
1	TITLE SHEET
2-3	TYPICAL SECTIONS (1) - (2)
4	MISCELLANEOUS DETAILS
5	GENERAL CONSTRUCTION NOTES
6	ENVIRONMENTAL NOTES
7	ROADWAY PAY ITEMS & NOTES
8	TRAFFIC PAY ITEMS, CONSTRUCTION & PAY ITEM NOTES
9	BRIDGE PAY ITEMS AND GENERAL NOTES
10-11	SUMMARIES (1) - (2)
12	STORM WATER MANAGEMENT PLAN
13	DRAINAGE MAP
14-15	GEOMETRIC DATA (1) - (2)
16-19	PLAN & PROFILE SHEET - US 169 (1) - (4)
20	PLAN & PROFILE SHEET - SOUTH DETOUR (5)
21	PLAN & PROFILE SHEET - NORTH DETOUR (6)
22	NORTH DETOUR REINFORCED SLOPE
23-24	GUARDRAIL LAYOUT (1) - (2)
25	DRIVEWAY DETAILS
26	REMOVALS
27	EROSION CONTROL
28-30	SUGGESTED CONSTRUCTION SEQUENCE/TRAFFIC CONTROL (1) - (3)
31-32	MASS DIAGRAM (1) - (2)
33-34	SIGNING & STRIPING (1) - (2)
35-50	SURVEY DATA SHEETS (1) - (16)
BRIDGE DRAWINGS	
51	GENERAL PLAN AND ELEVATION
52-53	FOUNDATION REPORT
54	STAKING DIAGRAM
55	TYPICAL SECTION
56-61	ABUTMENT DETAILS
62-63	PIER DETAILS
64-65	P. C. TYPE IV BEAM DETAILS
66-69	SUPERSTRUCTURE DETAILS
70	LONGITUDINAL SECTION
71-72	APPROACH SLAB DETAILS
CROSS SECTIONS	
X1 - X37	CROSS SECTIONS - US 169
X38 - X45	CROSS SECTIONS - SOUTH DETOUR
X46 - X55	CROSS SECTIONS - NORTH DETOUR

DESIGN DATA

AADT 2016	5,000
AADT 2036	7,000
K (DHV / ADT-TWO WAY)	10 %
D (DIRECTIONAL DIST.)	55 %
T (% OF DHV)	25 %
T (% OF AADT)	29 %
T ³ OVERLOADS (AXLES)	21 %
20 YR FLEX ESALS	12.90 MIL
US 169	V=65 MPH
DETOUR	V=45 MPH

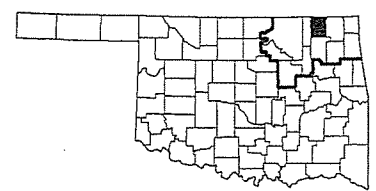


SCALES

PLAN	1" = 50'
PROFILE HOR.	1" = 50'
VER.	1" = 5'
LAYOUT MAP	1" = 5,280'

CONVENTIONAL SYMBOLS

PROPOSED ROAD	—TUG— TELEPHONE UNDERGROUND
RAILROADS	—SS— SANITARY SEWER
RANGE & TOWNSHIP	—G— GAS LINE
SECTION LINES	—W— WATER LINE
QUARTER SECTION LINES	—FO— FIBER OPTIC LINE
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

CONTROL SUB-SECTION No. 12.9
STA. 685+35.28 (Q US 169) BEGIN INCIDENTAL CONSTRUCTION
STA. 689+84.21 END INCIDENTAL CONSTRUCTION
BEGIN US 169 CONSTRUCTION

STA. 736+36.76 END US 169 CONSTRUCTION
BEGIN INCIDENTAL CONSTRUCTION
STA. 740+78.46 (Q US 169) END INCIDENTAL CONSTRUCTION

BR A STA. 710+96.47
BR LENGTH= 281.47'
STA. 713+77.94

PROJECT LENGTH BASED ON US 169 C.R.L.

ROADWAY LENGTH	4,371.08 FT.	0.827 MI.
BRIDGE LENGTH	281.47 FT.	0.053 MI.
PROJECT LENGTH		0.880 MI.
EQUATIONS:	NONE	
EXCEPTIONS:	NONE	

THE FOLLOWING ODOT STANDARDS WILL BE REQUIRED

ROADWAY	TRAFFIC CONTROL	TRAFFIC SIGNING	TRAFFIC SAFETY	BRIDGE
SSS-1-1	TCS1-1-01	PM3-1-02	THR1-1-02	FSHP-42-2-00E
TSC2-3-2	TCS2-1-00	DU2-1-00	SKT-1-00	EJSK-03E
TSD-2-0	TCS3-1-01	RSD1-1-00	GHW1-1-00	EJ-DTL-01E
ASCD-5-2	TCS4-1-01	WSD3-1-00	HP1-2-00E	HP1-2-00E
LECS-4-1	TCS5-1-00	MSD1-1-00	RS1-1-00	B40-C-ABUT-MISC-01E
PSE-1-0	TCS6-1-02	MSD2-1-00		B40-C-PCB-DTL-01E
PCES-4-1	TCS7-1-02	MSD3-1-01		B40-C-BRG-PC4BT-01E
SPI-4-1	TCS8-1-00	MSD4-1-00		
SPB-1-4	TCS9-1-01	MSD5-1-00		
FHTCP-3-1	TCS11-1-01	SBS1-1-00		
PUD-3-2	TCS14-1-00	SBS2-1-00		
RDI-3-1	TCS16-1-00	SBS3-1-00		
PDT-1-3	TCS19-1-01	SBS4-1-00		
RWF1-2-2	TCS20-1-00	SBS5-1-00		
RWF3-2-2	TCS21-1-02	GMS1-1-00		
SUEL1-3-2	TCS23-1-00	GMS2-1-00		
SUEL4-3-2	TCS24-1-02	SSP1-1-02		
	TCS25-1-00	SSA1-1-00		
		FGS1-1-00		

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: 7/11/16

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