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STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
UNITED STATES HIGHWAY
PROJECT NO. ACNHPP-253N(037)SS
BRIDGES AND APPROACHES
UNITED STATES HIGHWAY 169 OVER OPOSSUM CREEK AND OVERFLOW
NOWATA COUNTY

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
ODOT DIVISION	STATE	JOB PIECE No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
8	OKLA	27092(04)	15	1	143
DESCRIPTION		REVISIONS	DATE		

MANDATORY TIE:
THE FOLLOWING PROJECT IS MANDATORILY TIED AND SHALL BE BID ACCORDINGLY:
1. JP 24750(04), PROJECT No. ACNHPP-253N(036)SS, US-169 OVER HICKORY CREEK, NOWATA COUNTY

CONTROL SECTION 169-53-08
STATE JOB NO. 27092(04)
BRIDGE A LOCATION NO. 5308-1722X EXISTING NBI NO. 15558, NEW NBI NO. 30984
BRIDGE B LOCATION NO. 5308-1729X EXISTING NBI NO. 15531, NEW NBI NO. 30986

INDEX OF SHEETS

ROADWAY DRAWINGS

1 TITLE SHEET
2-3 TYPICAL SECTIONS (1) TO (2)
4 MISCELLANEOUS DETAILS
5 GENERAL CONSTRUCTION NOTES
6 ENVIRONMENTAL NOTES
7 ROADWAY PAY ITEMS & NOTES
8 TRAFFIC PAY ITEMS & NOTES
9-10 BRIDGE PAY ITEMS & GENERAL NOTES
11-12 SUMMARIES (1) TO (2)
13 STORM WATER MANAGEMENT PLAN
14 DRAINAGE MAP
15-16 GEOMETRIC DATA (1) TO (2)
17-21 PLAN & PROFILE SHEETS - US 169 (1) TO (5)
22-23 PLAN & PROFILE SHEETS - SOUTH DETOUR (6) TO (7)
24-25 PLAN & PROFILE SHEETS - NORTH DETOUR (8) TO (9)
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27 REMOVALS
28 EROSION CONTROL
29-31 SUGGESTED CONSTRUCTION SEQUENCE
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39-49 SURVEY DATA SHEETS (1) TO (11)

BRIDGE A DRAWINGS

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51-52 FOUNDATION REPORT
53 STAKING DIAGRAM
54 TYPICAL SECTION
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59-60 PIER DETAILS
61-64 SUPERSTRUCTURE DETAILS
65 LONGITUDINAL SECTION
66-67 APPROACH SLAB DETAILS

BRIDGE B DRAWINGS

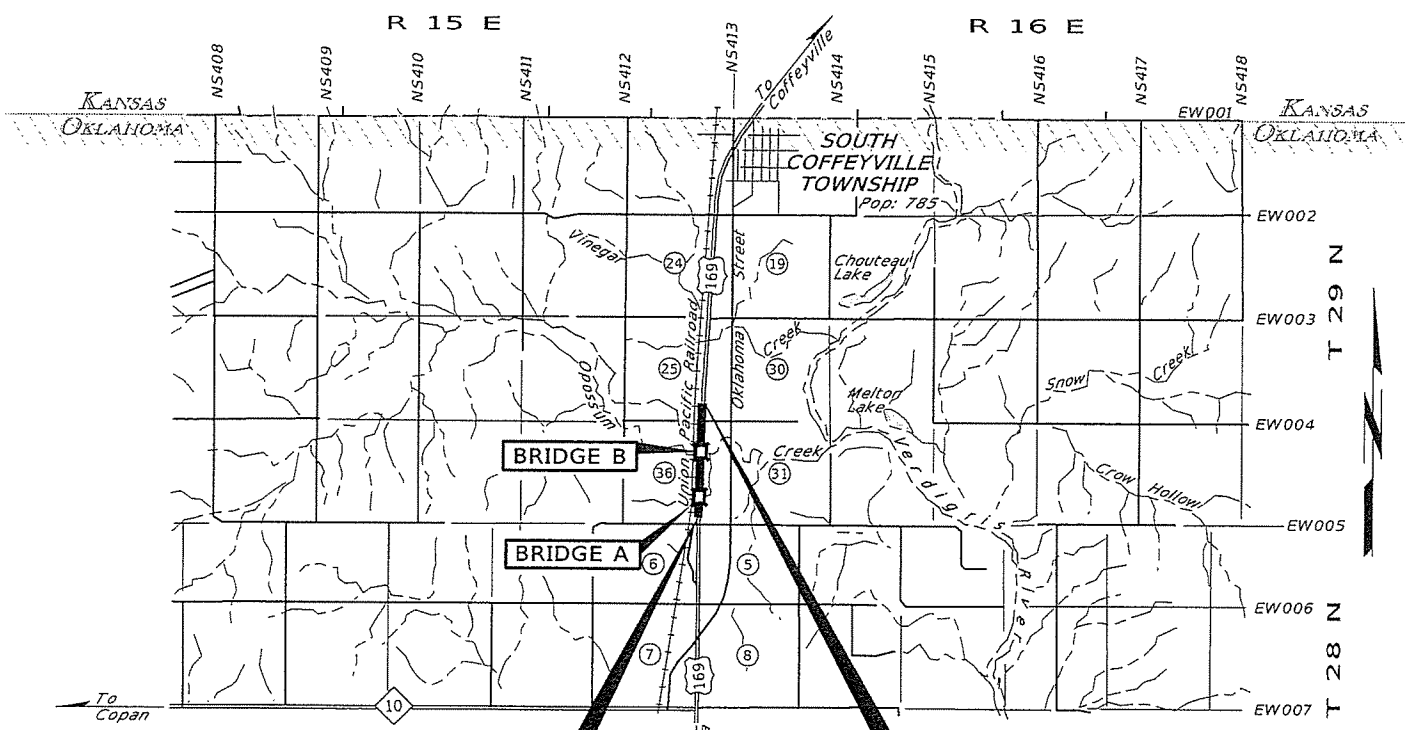
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77-78 PIER DETAILS
79-82 SUPERSTRUCTURE DETAILS
83 LONGITUDINAL SECTION
84-85 APPROACH SLAB DETAILS
86-91 7x6 RC8 DETAILS

CROSS SECTIONS

X1 - X29 CROSS SECTIONS - US 169
X30 - X41 CROSS SECTIONS - SOUTH DETOUR
X42 - X52 CROSS SECTIONS - NORTH DETOUR

DESIGN DATA

AADT 2016	5,700
AADT 2036	8,000
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	14.71 MIL
US 169	V=65 MPH
DETOUR	V=45 MPH

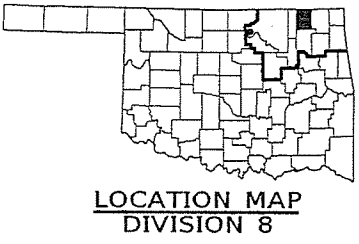


SCALES

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

CONVENTIONAL SYMBOLS

PROPOSED ROAD	TELEPHONE UNDERGROUND
RAILROADS	SANITARY SEWER
RANGE & TOWNSHIP	GAS LINE
SECTION LINES	WATER LINE
QUARTER SECTION LINES	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	
N/C	NOT IN CONTRACT



CONTROL SUB-SECTION No. 17.5

STA. 834+94.51 (Q US 169) BEGIN INCIDENTAL CONSTRUCTION
STA. 838+99.66 END INCIDENTAL CONSTRUCTION
BEGIN US 169 CONSTRUCTION

STA. 884+44.51 END US 169 CONSTRUCTION
BEGIN INCIDENTAL CONSTRUCTION
STA. 888+57.05 (Q US 169) END INCIDENTAL CONSTRUCTION

BR A STA. 859+75.29
BR LENGTH= 165.50'
STA. 861+40.79

BR B STA. 863+26.50
BR LENGTH= 145.50'
STA. 864+72.00

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

ROADWAY LENGTH	4,233.85 FT.	0.801 MI.
BRIDGE LENGTH	311.00 FT.	0.058 MI.
PROJECT LENGTH		0.859 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	TRFI-1-02	FSHP-42-2-00E
TSC2-3-2	TCS2-1-00	DU2-1-00	SKT-1-00	HP1-2-00E
TSD-2-0	TCS3-1-01	RSD1-1-00	GHW1-1-00	840-I-ABUT-MISC-01E
ASCD-5-2	TCS4-1-01	WSD3-1-00	GHW2-1-00	840-I-BRG-RB-02E
LECS-4-1	TCS5-1-00	MSD1-1-00	RS1-1-00	
PSE-1-0	TCS6-1-02	MSD2-1-00		
PCES-4-1	TCS7-1-02	MSD3-1-01		
SPI-4-1	TCS8-1-00	MSD4-1-00		
FPI-3-3	TCS9-1-01	MSD5-1-00		
SPB-1-4	TCS11-1-01	SBS1-1-00		
FHTMPP-1-0	TCS14-1-00	SBS2-1-00		
FHTCP-3-1	TCS16-1-00	SBS3-1-00		
SBI-4-2	TCS19-1-01	SBS4-1-00		
PUD-3-2	TCS20-1-00	SBS5-1-00		
RDI-3-1	TCS21-1-02	GMS1-1-00		
PDT-1-3	TCS23-1-00	GMS2-1-00		
RWF1-2-2	TCS24-1-02	SSP1-1-02		
RWF2-2-1	TCS25-1-00	SSA1-1-00		
RWF3-2-2		FGS1-1-00		
SUEL1-3-2				
SUEL4-3-2				

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, P.E.
OK P.E. NO. 20481
PROJECT ENGINEER
DATE: 7/11/16

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED	DATE APPROVED
BY	BY
CHIEF ENGINEER	DIVISION ADMINISTRATOR
S.W.O. 4744(1)	PROJECT NO. ACNHPP-253(037)SS Sheet No. 1