

STATE OF OKLAHOMA
 DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
STATE HIGHWAY
 STATE AID PROJECT NO. SSP-157B(10)SS
 BRIDGE AND APPROACHES
 STATE HIGHWAY 99 OVER BIRCH CREEK AND ABANDONED RR

OSAGE COUNTY

CONTROL SECTION NO. 99-57-30
 STATE JOB NO. 24261(04)
 SWO 4564(1)

BRIDGE "A" EXISTING NBI NO. 05019; (TO BE REMOVED)
 BRIDGE "B" EXISTING NBI NO. 04875; NEW NBI NO. 30316; (TO BE EXTENDED)
 BRIDGE "C" EXISTING NBI NO. 06557; NEW NBI NO. 30315

DESIGN DATA

ADT 2017	=	2300
ADT 2037	=	3300
DHV (2-WAY)	=	264
K (DHV/ADT)	=	11%
D	=	52%
T (% DHV)	=	8%
T (% ADT)	=	14%
T ³ (% ADT)	=	5%
V	=	65 MPH
20YR FLEX ESALS	=	1.264 M

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THE FOLLOWING STANDARD DRAWINGS WILL BE REQUIRED

ROADWAY	BRIDGE	TRAFFIC	
SSS-1-1	TR4-2-00E	TCS1-1-01	PM1-1-02
TSC2-3-2	HP1-2-01E	TCS2-1-00	PM3-1-02
TSD-2-0	B40-1-ABUT-PC4-1-01E	TCS3-1-01	WSD3-1-00
TRFD-1-2	B40-1-ABUT-PC4-2-01E	TCS4-1-01	SBS1-1-00
LECS-4-1	B40-1-ABUT-MISC-01E	TCS5-1-00	SBS2-1-00
PSE-1-0	B40-1-LSECT-PCB-03E	TCS6-1-02	GMS1-1-00
PCES-4-1	B40-1-PCB-IV-70-02E	TCS7-1-02	GMS2-1-00
MJB-3-1	B40-1-PCB-IV-80-02E	TCS8-1-00	SSA2-1-00
SPI-4-1	B40-1-PCB-DTL-01E	TCS9-1-01	FGS1-1-00
SPB-1-4	B40-1-ADIA-PC4-1-02E	TCS11-1-01	THR1-1-02
FHTMPP-1-0	B40-1-ADIA-PC4-2-02E	TCS13-1-00	SKT-1-00
FHTCP-3-1	B40-1-DIA-PCB-01E	TCS14-1-00	GA31-1-00
SBI-4-2	B40-1-BRG-PC4BT-02E	TCS16-1-00	GHW1-1-00
PUD-3-2	B40-1-SPR-QUAN-PCB-IV-03E	TCS19-1-01	GHW2-1-00
MI-3-0	B40-1-AS-03E	TCS20-1-00	
RD1-3-1	B40-1-TR4-0-PC45-02E	TCS21-1-02	
DC-3-2	RCB-C1-3&4&5(2-20)-01E		
PDT-1-3	RCB-E1-H3-0-1-01E		
RWF1-2-2	RCB-E1-H3-0-2-01E		
RWF2-2-1			
SUEL1-3-2			
SUEL4-3-2			

☐ SURVEY STA 1106+78.43
 END INCIDENTAL CONSTRUCTION
 CRL STA 1099+00.00
 END PROJECT AND
 BEGIN INCIDENTAL CONSTRUCTION

END BRIDGE STA. 1068+84.30
 BRIDGE LENGTH = 220.50 FT
 LOCATION NO. 5730 1228X
 BEGIN BRIDGE STA. 1066+63.80

BRIDGE "C"

END BRIDGE STA. 1034+57.04
 BRIDGE LENGTH = 34.51 FT
 LOCATION NO. 5730 1170X
 BEGIN BRIDGE STA. 1034+22.53

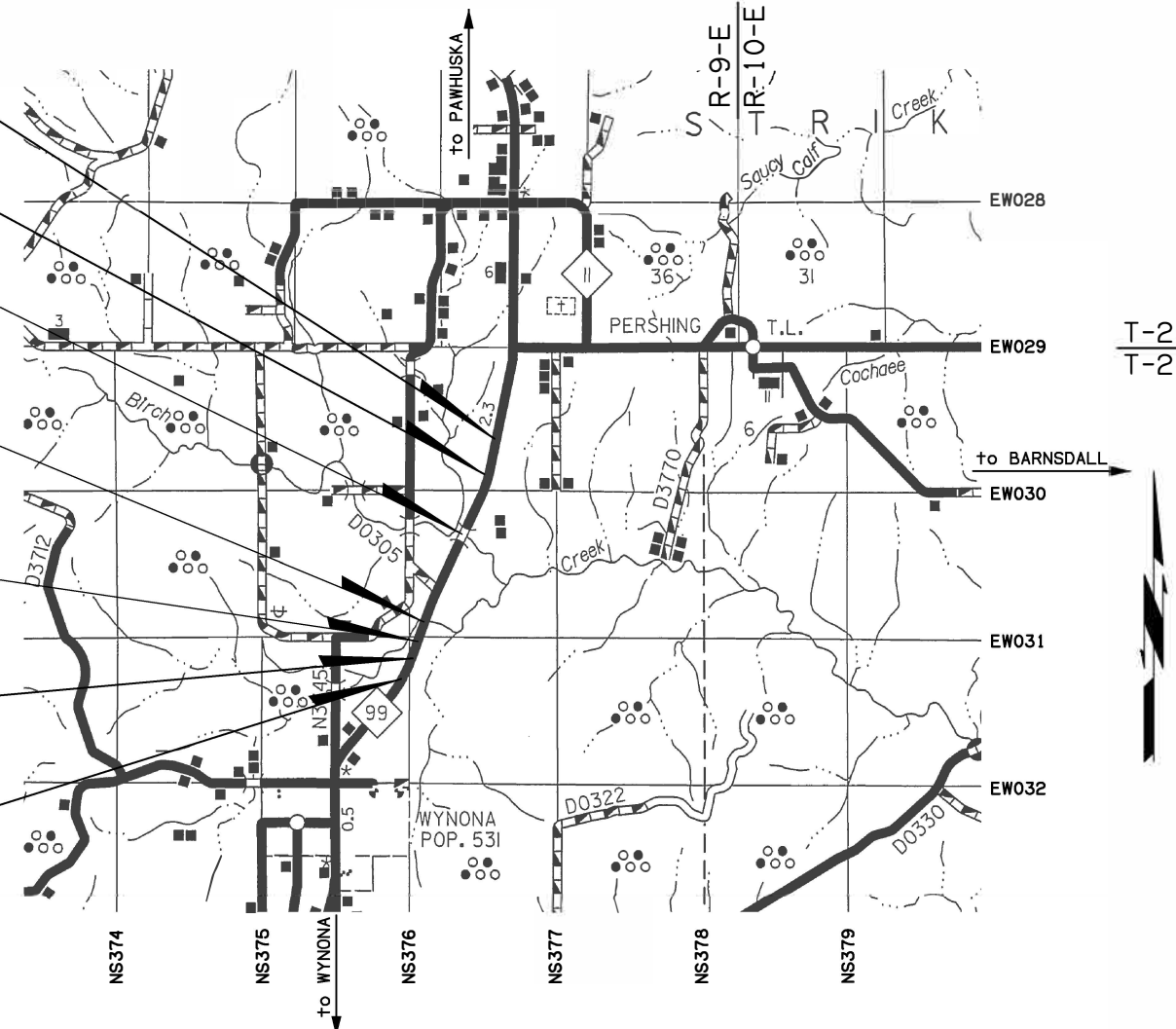
BRIDGE "B"

END BRIDGE STA. 1030+52.31
 BRIDGE LENGTH = 146.84 FT
 LOCATION NO. 5730 1166X
 BEGIN BRIDGE STA. 1029+05.47

BRIDGE "A"

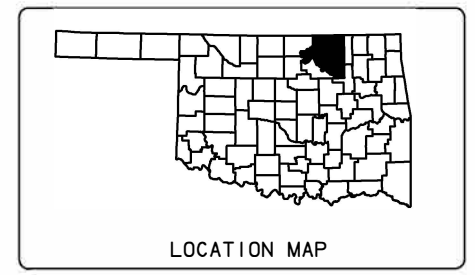
CRL STA 1000+00.00
 END INCIDENTAL CONSTRUCTION AND
 BEGIN PROJECT
 SUB SECTION No. 10.99

☐ SURVEY STA 996+25.00
 BEGIN INCIDENTAL CONSTRUCTION



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



PROJECT LENGTH BASED ON CRL STATIONING
 ROADWAY LENGTH _____ 9644.99 FT. 1.826 MI.
 BRIDGE LENGTH _____ 255.01 FT. 0.048 MI.
 PROJECT LENGTH _____ 1.874 MI.

EQUATIONS : NONE
 EXCEPTIONS : NONE

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

PREPARED BY:
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401
 TULSA, OK 74146 918-664-5400 www.pec1.com

James P. Moore
 JAMES P. MOORE, P.E.
 OKLA. REG. NO. 21185
 ROADWAY DESIGN

DATE 6/8/2017

Michael S. Niebaum
 MICHAEL SETH NIEBAUM, P.E.
 OKLA. REG. NO. 23601
 BRIDGE DESIGN

DATE 6/8/2017

CERTIFICATE OF AUTHORIZATION NO.1046 EXPIRES JUNE 30, 2019

OKLAHOMA DEPARTMENT OF TRANSPORTATION

DATE APPROVED _____

BY _____
 CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

DATE APPROVED _____

BY _____
 DIVISION ADMINISTRATOR

PROJECT NO. SSP-157B(10)ISS SWO 4564(1) SHEET NO. 1

PROJECT ENGINEER :
SQUAD SUPERVISOR :

SQUAD SUPERVISOR :
SQUAD MEMBERS :

ENGINEERING MANAGER :
ENGINEER :

P.E. NO : 24261(01)