

STATE OF OKLAHOMA  
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED  
**STATE BRIDGE**  
FEDERAL AID PROJECT NO. STP-253C(04)DSS  
BRIDGE AND APPROACH PLANS FOR  
**NOWATA COUNTY**

STATE HIGHWAY NO. 28  
CONTROL SECTION NO. 28-53-17  
STATE JOB NO. 28857(04)  
BRIDGE "A" LOCATION NO. 5317 0128X  
EXISTING NBI NO. 15168; NEW NBI NO. 31303

INDEX OF SHEETS

DESCRIPTION	REVISIONS	DATE
001		TITLE SHEET
002		TYPICAL SECTIONS
AB01-AB02		GENERAL NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGE)
AR01		SUMMARY OF PAY QUANTITIES & NOTES (ROADWAY)
AT01		SUMMARY OF PAY QUANTITIES & NOTES (TRAFFIC)
AX01		SUMMARY SHEET
B001-B002		GENERAL PLAN AND ELEVATION
B003-B005		FOUNDATION REPORT
B006		SUBSTRUCTURE STAKING DIAGRAM
B007		SUBSTRUCTURE EXCAVATION AND PIPE UNDERDRAIN ASSEMBLY DETAILS
B008-B011		DETAILS OF ABUTMENT NO.1
B012-B015		DETAILS OF ABUTMENT NO.2
B016-B017		DETAILS OF PIERS
B018-B024		DETAILS OF SUPERSTRUCTURE
B025		DETAILS OF TYPE IV P.C. BEAMS (85' SPAN)
B026		DETAILS OF TYPE IV P.C. BEAMS (100' SPAN)
B027		DETAILS OF TYPE IV P.C. BEAMS
B028		DETAILS OF BEARING ASSEMBLIES
B029		DETAILS OF APPROACH SLABS
B030		DETAILS OF DRAINS AT ENDS OF BRIDGE
R001		DRAINAGE MAP
R002		STORM WATER MANAGEMENT PLAN
R003		GEOMETRIC DATA
R004		EROSION CONTROL
R005		PLAN AND PROFILE SHEET
T001		DETOUR PLAN
T002		SIGNING AND STRIPING PLAN
S001-S010		SURVEY DATA SHEETS
X001-X006		CROSS SECTIONS

SURVEY CONTROL DATA  
SEE SURVEY DATA SHEETS

DESIGN DATA

SH-28

AADT 2015	=	700
AADT 2035	=	1000
K (DHV/ADT)	=	10%
D	=	55%
T (% DHV)	=	15%
T (% AADT)	=	20%
T <sub>3</sub>	=	14%
V	=	65 MPH
20yr.Flex ESALS	=	1.3 M

SCALES

PLAN 1" = 50'

PROFILE HOR. 1" = 50'

VER. 1" = 10'

LAYOUT MAP 1" = 2,640'

THE FOLLOWING ODOT STANDARD  
DRAWINGS ARE REQUIRED

BRIDGE	ROADWAY	TRAFFIC	TRAFFIC	TRAFFIC
EJ-DTL-02E	FHTMPP-1-0	TCS1-1-01	DU1-1-00	GHW1-1-00
EJ-SK-04E	LECS-4-1	TCS2-1-00	DU2-1-00	GHW2-1-00
HP1-2-01E	PUD-3-2	TCS4-1-01	GMS1-1-00	THRI-1-02
TR4-2-00E	SPB-1-4	TCS5-1-00	MSD1-1-00	SKT-1-00
	SPI-4-1	TCS6-1-02	MSD2-1-00	
	SSS-1-1	TCS7-1-02	MSD3-1-01	
	TRFD-1-2	TCS9-1-01	MSD4-1-00	
	TSC2-3-2	TCS10-1-00	MSD5-1-00	
	TSD-2-0	TCS14-1-00	PM3-1-02	
	RD1-3-1	TCS15-1-00	RSD1-1-00	
	RWF2-2-1		SBS1-1-00	
			SBS2-1-00	
			SSA1-1-00	
			SPA1-1-00	
			SSP1-1-02	
			WSD3-1-00	

- 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
  - MAILBOX
  - EXISTING CENTERLINE
  - EXISTING SANITARY SEWERS
  - EXISTING GAS LINES
  - EXISTING WATER LINES
  - EXISTING TELEPHONE CABLES UNDERGROUND

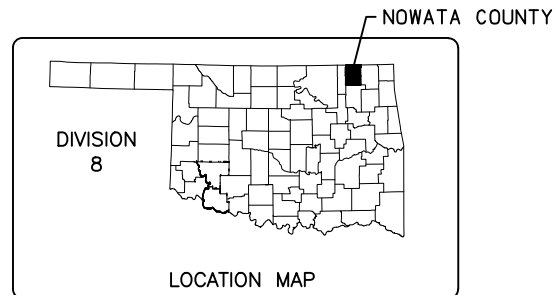
STA. 315+00.00  
END INCIDENTAL CONSTRUCTION

STA. 310+00.00  
END PROJECT &  
BEGIN INCIDENTAL CONST

BRIDGE "A"  
END STA. 305+01.03  
BEGIN STA. 302+26.97  
LENGTH = 274'-03"

STA. 297+00.00  
END INCIDENTAL CONST &  
BEGIN PROJECT CONTROL SUB-SECTION NUMBER 1.31

STA. 292+00.00  
BEGIN INCIDENTAL CONSTRUCTION



NOTE: PROJECT LENGTH BASED ON C SURVEY STATIONING

ROADWAY LENGTH \_\_\_\_\_ 1025.94 FT. 0.194 MI.  
BRIDGE LENGTH \_\_\_\_\_ 274.06 FT. 0.051 MI.  
PROJECT LENGTH \_\_\_\_\_ 0.245 MI.

EQUATIONS: NONE  
EXCEPTIONS: NONE

SUBMITTED BY  
**GUY ENGINEERING SERVICES, INC.**  
Certificate of Authorization No. 1427  
Renewal Date: June 30, 2018

*Michael B. Simmons*  
MICHAEL B. SIMMONS, P.E. NO. 24576  
(THIS SEAL COVERS SHEETS 4-5, 15-44)

SUBMITTED BY  
**GUY ENGINEERING SERVICES, INC.**  
Certificate of Authorization No. 1427  
Renewal Date: June 30, 2018

*John R. Worman*  
JOHN R. WORMAN, P.E. NO. 15497

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED _____	DATE APPROVED _____
BY _____ CHIEF ENGINEER	BY _____ DIVISION ADMINISTRATOR
JOB 28857(04)	PROJECT NO. STP-253C(04)1SS
COUNTY NOWATA	HIGHWAY/ROAD SH-28
SHEET NO. 001	