BRIDGE DESIGN
ENGINEERING MANAGER: S. JACOB
S.A.: L. CEABLAY
SQUAD SUPERVISOR: B. FRAZER
SQUAD MEMBERS: K. MAYFIELD, D. PARKS & K. RICHARDSON

ROADWAY DESIGN
ENGINEERING MANAGER: G.K. SCHLOTTHAUER, P.E.
PROJECT ENGINEER: BRYAN DAVIS, P.E.
GARY HARRISON, P.E.
SQUAD SUPERVISOR: ROBERT GRAY
SQUAD MEMBERS: STEVEN GRAHAM
MICHAEL ATKINSON
J.L. MORGAN

P.E. NO.: 05173 (01)

FOR SURVEY CONTROL DATA SEE SURVEY DATA SHEETS.

BRIDGE 'A'
EXIST. NBIS NO. 02337
NEW NBI NO. 27363
LOCATION NO. 0908 0785WX

BRIDGE 'B'
NEW NBI NO. 27312
LOCATION NO. 09808 0755 EX

BRIDGE 'C'
NEW NBI NO. 27311
LOCATION NO. 0908 0822WX

BRIDGE 'D'
EXIST. NBIS NO. 02319
NEW NBI NO. 27331
LOCATION NO. 0908 0822EX

BR. 'A' — BEGIN BRIDGE STA. 13+619.900; BRIDGE LENGTH = 34.200; END BRIDGE STA. 13+654.100
BR. 'B' — BEGIN BRIDGE STA. 13+619.900; BRIDGE LENGTH = 34.200; END BRIDGE STA. 13+654.100
BR. 'C' — BEGIN BRIDGE STA. 14+187.087; BRIDGE LENGTH = 28.200; END BRIDGE STA. 14+215.287
BR. 'D' — BEGIN BRIDGE STA. 14+179.900; BRIDGE LENGTH = 28.200; END BRIDGE STA. 14+208.100

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. NHY-11N(004)
BRIDGE PROJECT NO. BRFY-11N(005)
GRADING, DRAINAGE, SURFACING, AND EROSION CONTROL PLANS
U.S. HIGHWAY 81
CANADIAN COUNTY
CONTROL SECTION NO. 81-09-08
STATE JOB NO. 05173(08) ROADWAY
STATE JOB NO. 05173(09) BRIDGE

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FEDERAL ROAD REGL. NO.	STATE	FEDERAL NO.	FEDERAL ROAD	PROJECT NO.	TOTAL SHEETS
6	OKLA.			1	

SUBMITTED — RECOMMENDED — DATE

INDEX OF SHEETS

1	TITLE SHEET
2	SHEET LOCATION GUIDE SHEET
3-7	TYPICAL SECTION SHEETS
8	SUMMARY OF PAY QUANTITIES (ROADWAY)
9	SUMMARY OF PAY QUANTITIES (BRIDGE)
10	SUMMARY OF PAY QUANTITIES (TRAFFIC)
11-13	SUMMARY SHEETS
14-15	DRAINAGE AREA MAP SHEET
16	STORMWATER POLLUTION PREVENTION PLAN SHEET
17-23	SURVEY DATA SHEETS
24-	DETAIL SHEETS
	MASS DIAGRAM SHEETS
	PLAN AND PROFILE SHEETS
	TRAFFIC SUMMARY SHEET
	TRAFFIC DETAIL SHEETS
	GENERAL PLAN AND ELEVATION BR. "2" AND
	SUMMARY OF QUANTITIES
	SUBSTRUCTURE LAYOUT
	DETAILS OF ABUTMENTS
	ABUTMENT EXCAVATION AND UNDERDRAIN INSTALLATION
	DETAILS OF PIERS
	DETAILS OF SUPERSTRUCTURE
	MISCELLANEOUS SUPERSTRUCTURE DETAILS
	BEAM AND DECK LAYOUT
	DETAILS OF DIAPHRAGMS
	DETAILS OF BEARING ASSEMBLY
	DETAILS OF BEAMS
	DETAILS OF APPROACH SLABS
	CROSS SECTION SHEETS

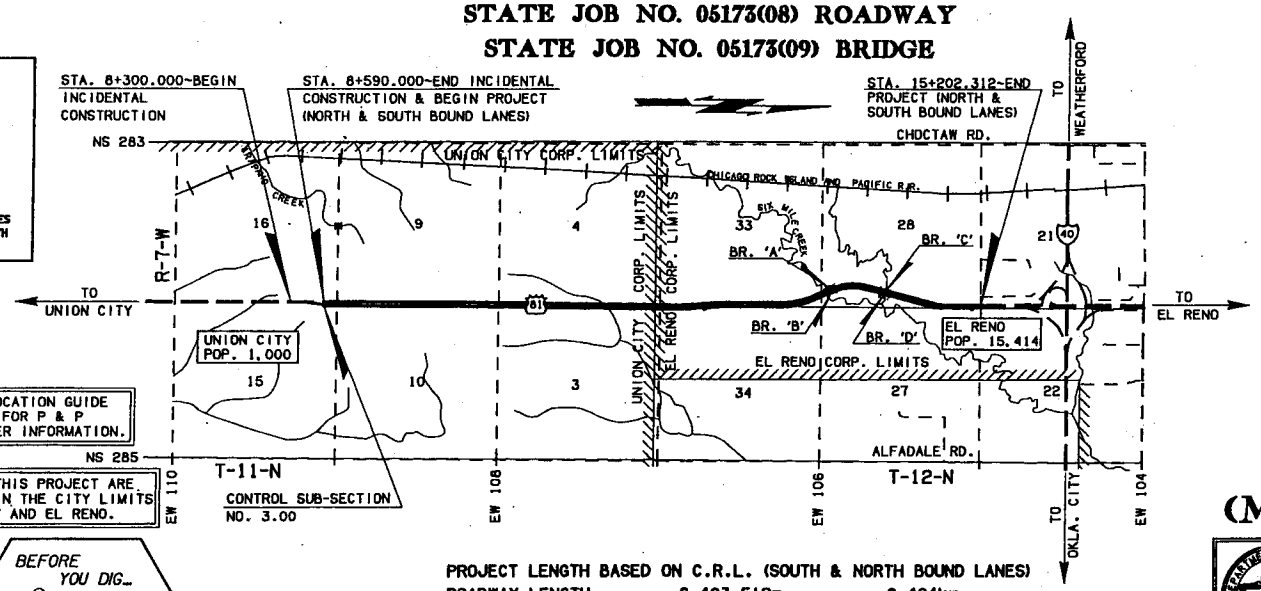
DESIGN DATA

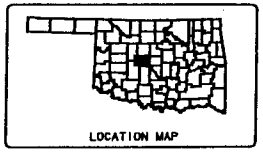
ADT 2000	=	5,400
ADT 2020	=	9,200
K (DHV/AADT)	=	8%
DHV (ONE-WAY)	=	577
D	=	57%
T (% DHV)	=	10%
T (% ADT)	=	15%
T3 (% ADT)	=	8%
T3 OVERLOADS (AXLES)	=	15 AXLES
V	=	80 KM/H
FLEX ESALS	=	6.4M

SCALES
PLAN 1:1000
PROFILE HOR. 1:1000
VERTICAL 1:100
LAYOUT MAP 1:50 000

NOTE: SEE LOCATION GUIDE SHEET NO. 2 FOR P & P SHEETS NUMBER INFORMATION.

PORTIONS OF THIS PROJECT ARE LOCATED WITHIN THE CITY LIMITS OF UNION CITY AND EL RENO.





NOTE: SEE LOCATOR MAP SHEET 2 FOR STANDARD DRAWINGS

(METRIC PLANS)

OKLAHOMA DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
DATE — GARY KEITH SCHLOTTHAUER P.E. NO. 15026
REGISTERED PROFESSIONAL ENGINEER — GARY KEITH SCHLOTTHAUER — 15026 — OKLAHOMA

OKLAHOMA DEPARTMENT OF TRANSPORTATION

CONVENTIONAL SYMBOLS
PROPOSED ROAD
RAIL ROADS
RANGE & TOWNSHIP
SECTION LINES
QUARTER SECTION LINES
FENCES
CREEK LINE
EXISTING ROADS
BASE LINE
GRADE LINES
TELEPHONE & TELEGRAPH
POWER LINES
BUILDINGS
DRAINAGE STRUCTURES - IN PLACE
DRAINAGE STRUCTURES - NEW
RIGHT-OF-WAY LINES - EXISTING
RIGHT-OF-WAY LINES - NEW
CONTROLLED ACCESS
RIGHT-OF-WAY FENCE

BEFORE YOU DIG...
CALL OKIE
1-800-522-6543

PROJECT LENGTH BASED ON C.R.L. (SOUTH & NORTH BOUND LANES)
ROADWAY LENGTH 6,403.512m 6.404km
BRIDGE LENGTH 62.400m 0.062km
PROJECT LENGTH 6,528.312m 6.528km

EXCEPTIONS NONE

EQUATIONS:

C.R.L. (NORTH BOUND LANE)
STA. 12+653.204 BACK = STA. 12+652.694 AHEAD
STA. 13+489.774 BACK = STA. 13+487.079 AHEAD
STA. 14+047.097 BACK = STA. 14+054.108 AHEAD

C.R.L. (SOUTH BOUND LANE)
STA. 12+647.323 BACK = STA. 12+646.604 AHEAD
STA. 13+486.020 BACK = STA. 13+490.970 AHEAD
STA. 14+048.224 BACK = STA. 14+048.031 AHEAD
STA. 14+942.565 BACK = STA. 14+946.334 AHEAD

C.R.L.
STA. 8+797.770 BACK = STA. 8+797.047 AHEAD

1998 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-METRIC SUVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, SEPTEMBER 23, 1998

Permit Action OKR2013009
Oklahoma Department of Transportation
Six Mile Creek
Bridge replacement and construction
Enclosure 1 of 2