ROADWAY DESIGN
ENGINEERING MANAGER: S. SUNDARAM
SQUAD SUPERVISOR: R. GUTIERREZ

BRIDGE DESIGN
ENGINEERING MANAGER: M. Majors

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

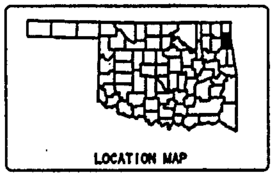
PLAN OF PROPOSED

STATE HIGHWAY

STATE AID PROJECT NO. BRFY-021C(242)
BRIDGE REPLACEMENT PLANS

DELAWARE COUNTY

STATE HIGHWAY NO. 412A
CONTROL SECTION NO. 412A-21-40
STATE JOB NO. 13407(04)
OLD NBI NO. 00668 NEW NBI NO. 26650
LOCATION NO. 2140-0072



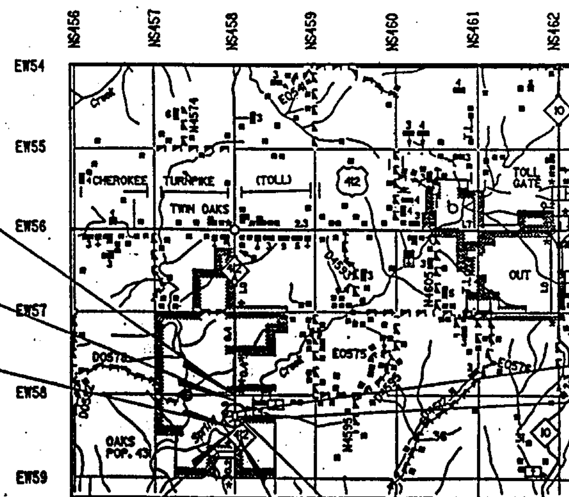
SURVEY CONTROL DATA
SEE SURVEY DATA SHEETS

DESIGN DATA

ADT 2001	= 1550
ADT 2021	= 2300
DHV (TWO WAY)	= 253
K (DHV/ADT)	= 11%
D	= 55%
T (% DHV)	= 5%
T (% ADT)	= 10%
T_3(% ADT)	= 5%
V	= 65MPH
FLEX ESAL	= .90M

R23E

T20N



STA. 95+38.58 END
INCIDENTAL CONSTRUCTION

STA. 92+00.00 END PROJECT &
BEGIN INCIDENTAL CONSTRUCTION

STA. 77+55.87 BEGIN PROJECT &
END INCIDENTAL CONSTRUCTION

BEGIN BRIDGE STA. 85+24.333

END BRIDGE STA. 87+05.667

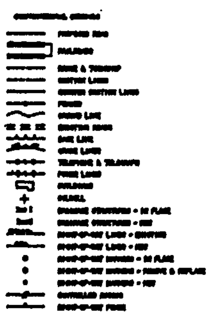
CONTROL SUB SECTION NO. 0.57

PROJECT LOCATION

STA. 74+23.85 BEGIN
INCIDENTAL CONSTRUCTION

ROADWAY LENGTH	1,262.52 FT.	0.239	MI.
BRIDGE LENGTH	181.33 FT.	0.034	MI.
PROJECT LENGTH		0.273	MI.

EQUATIONS : NONE
EXCEPTIONS : NONE



1999 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION - ENGLISH GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, SEPTEMBER 21, 1999.

PLAN-IN-HAND FIELD INSPECTION

PARTICIPANTS:
DESIGN: ______
BRIDGE: ______
FIELD DIV.: ______
TRAFFIC: ______
R/W: ______
FHWA: ______
OTHERS: ______

DECISIONS:
TYPICAL SECTION: ______
DETOURS: ______
SIGNING: ______
COMPACTION FACTOR 10% 15% 20%
TOPSOIL: ______
SELECT MATERIAL: ______
EROSION CONTROL: ______
SPECIAL DITCHES: ______
SIDE SLOPES: ______
CROSS DRAIN (END SECTIONS) ______
SIDE DRAIN (END SECTIONS) ______
DRAINAGE AREA: ______
COEFFICIENT OF RUN-OFF: ______
PIPE UNDERDRAIN: ______
MISC. STRUCTURE NOTES: ______
RIGHT-OF-WAY: ______
UTILITIES: ______
SALVAGE MATERIALS: (DIVISION OR CONTRACTOR) ______
RAMPS/DRIVES: ______
MAILBOXES: ______
GUARD RAIL: ______
BEGINNING & ENDING STA.: ______
FIELD OFFICE/LAB: YES NO
MOBILIZATION: YES NO
STAKING - PAYITEM OR DIVISION

PREPARED BY:
OKLAHOMA DEPARTMENT OF TRANSPORTATION
BRIDGE DIVISION

DATE ______ MARK EVAN MAJORS
OKLA. REG. NO. 14613

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED	DATE APPROVED
BY CHIEF ENGINEER	BY DIVISION ADMINISTRATOR

SWO 3963 PROJECT NO. BRFY-021C(242) SHEET NO. 1
DELAWARE COUNTY S.H. 412A

OKR2011897
OKLAHOMA DEPARTMENT OF TRANSPORTATION
SPRING CREEK
STATE HIGHWAY 412-A BRIDGE REPLACEMENT
ENCLOSURE 2 OF 4