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

BRIDGE DESIGN
ENGINEERING MANAGER: M. Majors
CHECKED:

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

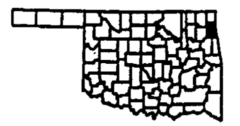
PLAN OF PROPOSED

# STATE HIGHWAY

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

# DELAWARE COUNTY

STATE HIGHWAY NO. 412A
CONTROL SECTION NO. 412A-21-10
STATE JOB NO. 13407(04)
OLD NBI NO. 00668 NEW NBI NO. 26650
LOCATION NO. 2140-0072

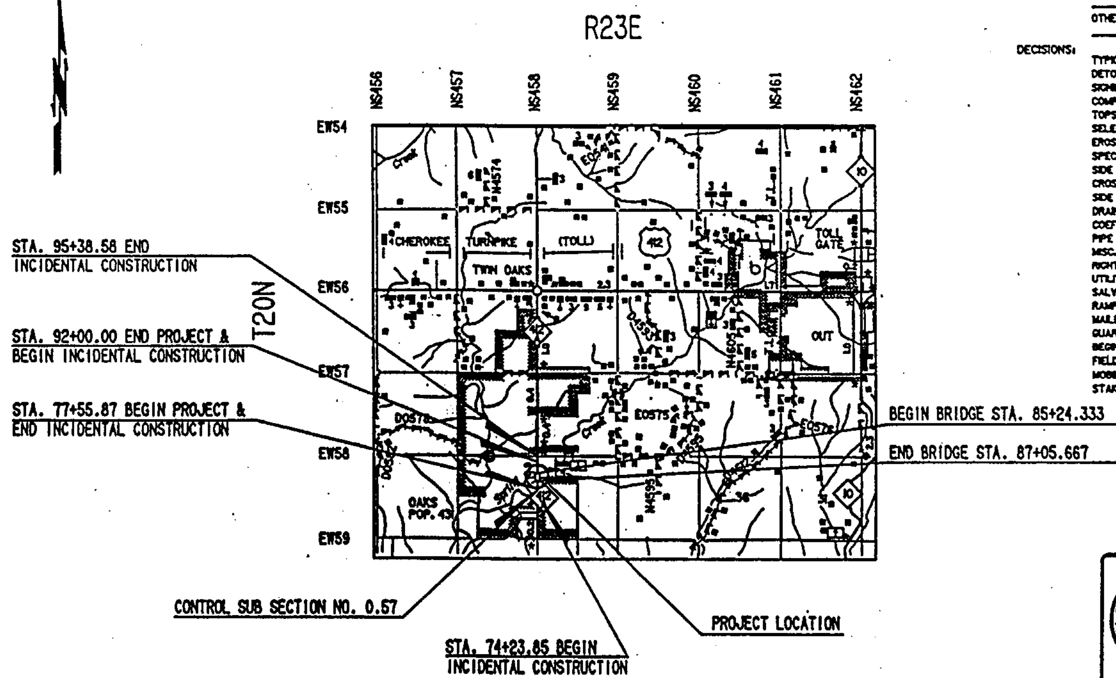


LOCATION MAP

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 |




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