TRAFFIC CONTROL
PROJECT ENGINEER :
SQUAD SUPERVISOR :

BRIDGE
ENGR. MANAGER :
SQUAD SUPERVISOR :

ROADWAY DESIGN
SQUAD SUPERVISOR :
SQUAD MEMBERS :
ENGINEERING MANAGER :
ENGINEER :
CHECKED :

SURVEY CONTROL DATA

1. HORIZONTAL CONTROL:

A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE OKLAHOMA DEPARTMENT OF TRANSPORTATION PLANE COORDINATE SYSTEM, LAMBERT PROJECTION (NORTH ZONE). ALL COORDINATES SHOWN ARE OKLAHOMA DEPARTMENT OF TRANSPORTATION PLANE COORDINATES WHICH WERE DERIVED BY MULTIPLYING THE USC&GS OKLAHOMA PLANE COORDINATES BY THE COMBINED ADJUSTMENT FACTOR OF 1.00010. THE OKLAHOMA DEPARTMENT OF TRANSPORTATION COORDINATE SYSTEM PLANE IS 2380 FEET ABOVE THE OKLAHOMA USC&GS PLANE.

B. ACCURACY - 3RD ORDER OR BETTER

2. BEARINGS:

THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE USC&GS OKLAHOMA PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL. THE ANGLE OF VARIANCE BETWEEN GRID NORTH (GN) AND THE ASTRONOMICAL TRUE NORTH (TN) IS DEPICTED DIAGRAMMATICALLY.

3. VERTICAL CONTROLS:

A. LEVEL DATUM IS MEAN SEA LEVEL (USC&GS).

B. ACCURACY - 3RD ORDER OR BETTER.

**DESIGN DATA**

| | |
|---|---|
| ADT 2001 | = 2500 |
| ADT 2023 | = 3600 |
| DHV (TWO WAY) | = 396 |
| K (DHV/ADT) | = 11% |
| D | = 66% |
| T (% DHV) | = 11% |
| T (% ADT) | = 12% |
| $T_3$ (% ADT) | = 5% |
| V | = 65MPH |
| 20yr Flex ESALS | = 1.5 Million |

SCALES 1"
PLAN 1" = 100'
PROFILE HOR. 1" = 100'
VER. 1" = 10'
LAYOUT MAP 1" = 1 MILE

STR. A BEGIN BRIDGE STA. 669+89.22
BRIDGE LENGTH = 1,698.56 FT.
END BRIDGE STA. 686+87.78

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED

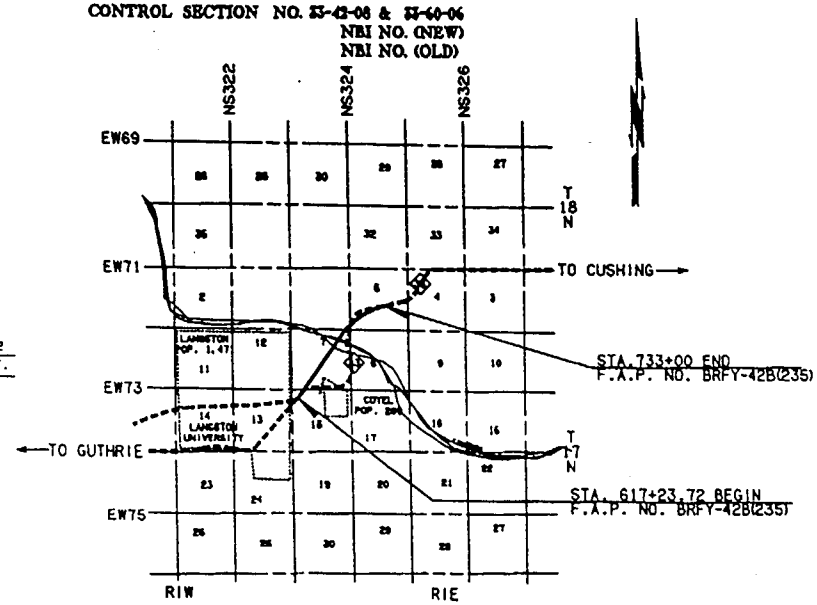
# STATE HIGHWAY

F.A.P. NO. BRFY-42B(235)
STATE HIGHWAY 33

# LOGAN & PAYNE COUNTIES

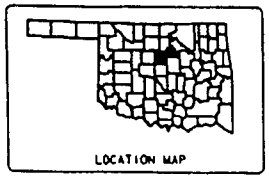
STATE JOB NO. 06351 (04)
GRADING, DRAINAGE, SURFACING AND BRIDGE PLANS
CONTROL SECTION NO. 33-42-08 & 33-60-06
NBI NO. (NEW)
NBI NO. (OLD)

INDEX OF SHEETS




PROPOSED R/W FOR DESIGN

DATE : ----------


LOCATION MAP

ROADWAY LENGTH ——— 9,877.72 FT. 1.870 MI.
BRIDGE LENGTH ——— 1,698.56 FT. 0.321 MI.
PROJECT LENGTH ——— 2.191 MI.

EQUATIONS : NONE
EXCEPTIONS : NONE

OKR2012395
OKLAHOMA DEPARTMENT OF TRANSPORTATION
CIMARRON RIVER
BRIDGE REPLACEMENT
ENCLOSURE 1 OF 3

1998 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-ENGLISH GOVERN, APPROVED BY U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, SEPTEMBER 21, 1999

P.E. NO. : 109
04/08/2002

LOGAN / PAYNE COUNTY