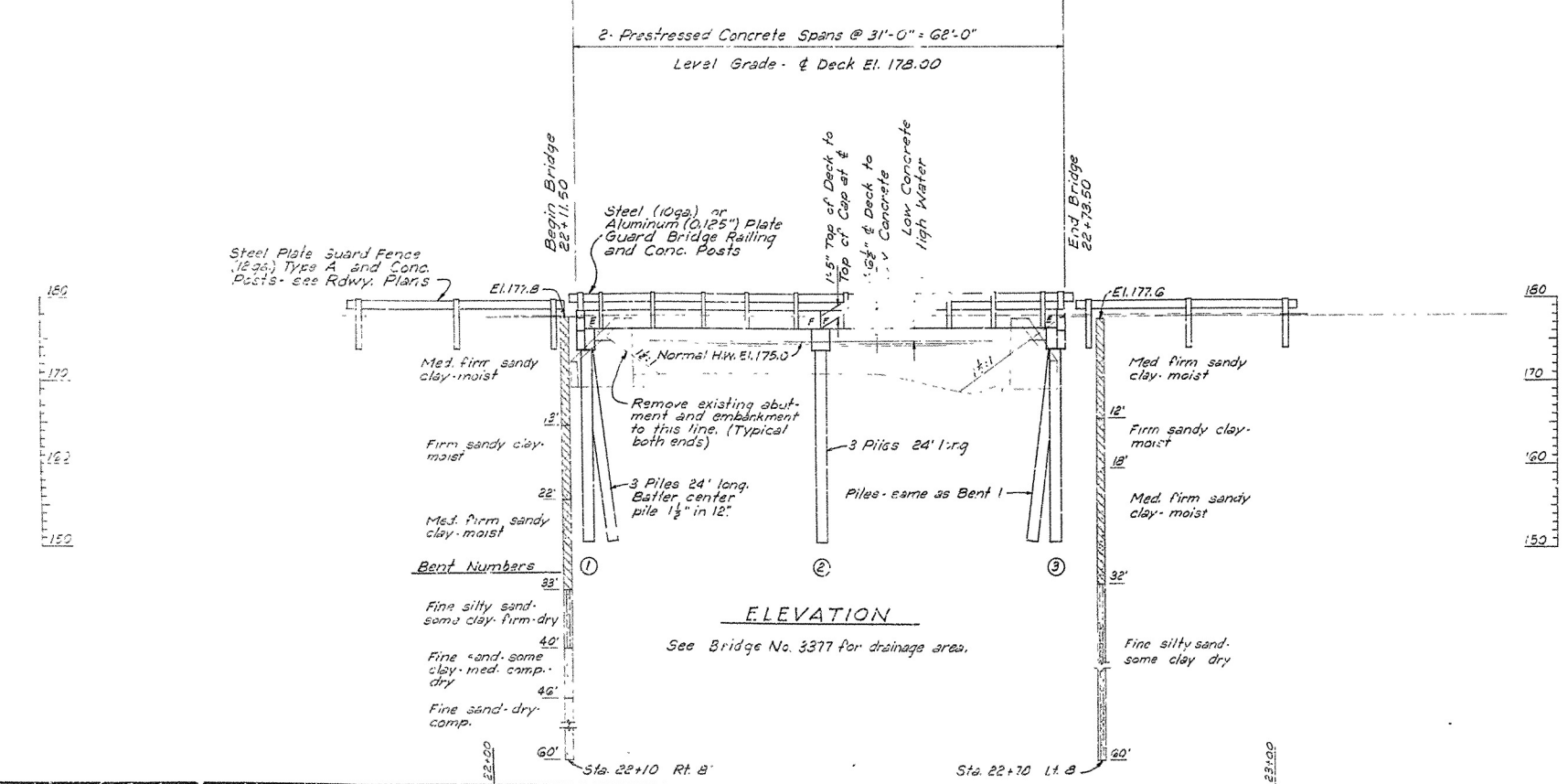
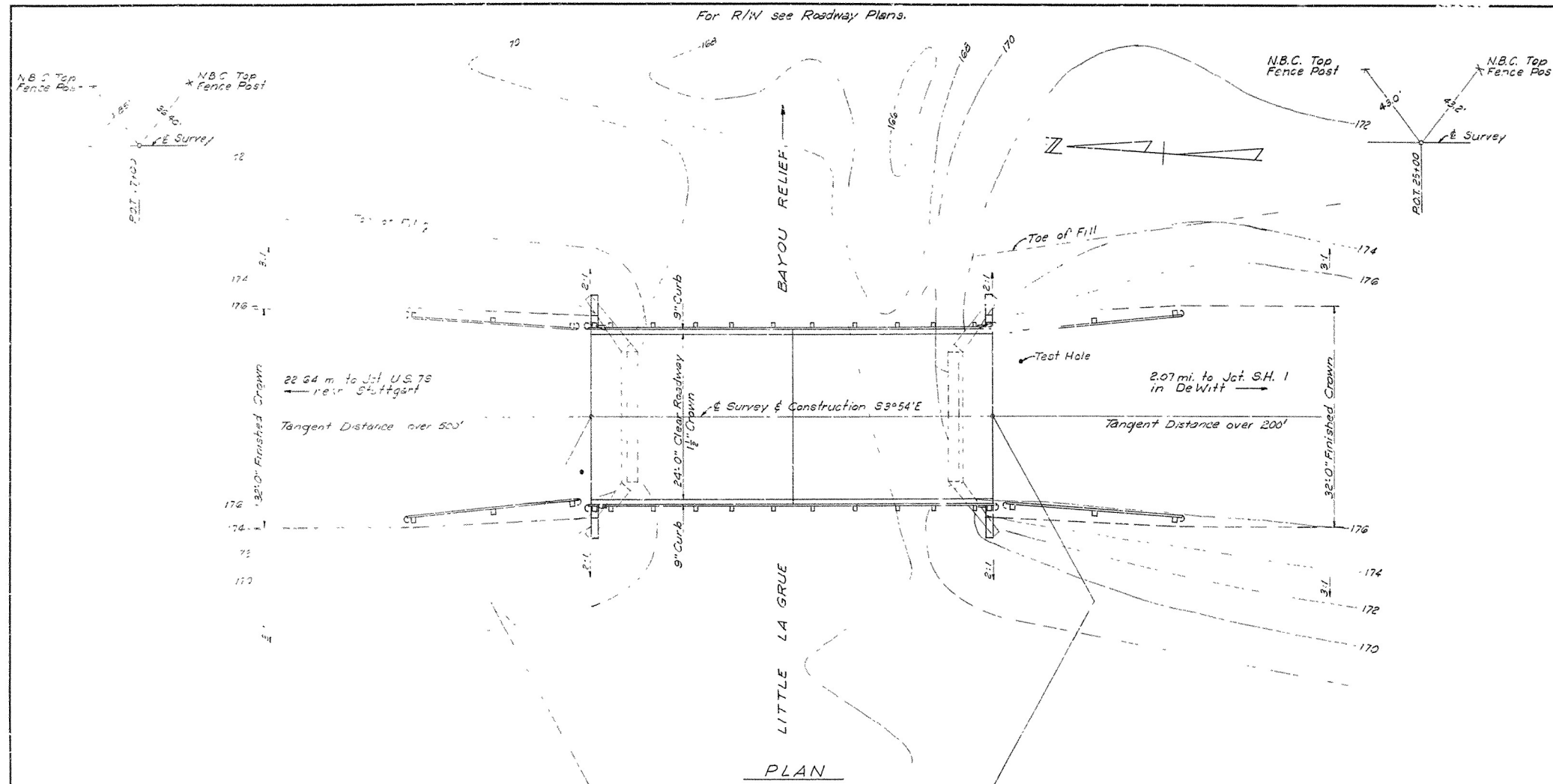




GENERAL NOTES

B.M. SW wingwall of steel bridge over Little La Grue Bayou - Standard disc marked (R-115) 1954; El. 177.05.

All piling to be 12" octagonal precast concrete piles driven to a minimum bearing capacity of 34 tons per pile. Lengths shown are assumed for estimating quantities only; actual lengths to be determined in the field. Drive one 29' test pile in Bent No. 2.

The Contractor shall remove existing 50' steel truss spans and portions of abutments as shown on plans. The Contractor shall furnish a 40' detour bridge, with dust free connecting ramps, approximately 40' downstream, deck elevation 175.0. See Section 1007 of the Specifications.

All concrete removed from existing bridge to be placed on embankment at bridge ends as directed by the Engineer.

For details of superstructure see Drwg. No. 5292.

For details of substructure see Drwg. No. 5292-B.

For details of precast concrete piles see Drwg. No. 2582.

Loading: A.A.S.H.O. 1957 H15

Stresses: Class 3 Concrete (n=10) 1,800 #/sq. in.
Reinforcing Steel 20,000 #/sq. in.
Welded Wire Mesh 30,000 #/sq. in.

Prestressed Concrete Spans:
Class 3 Concrete (n=6)
At Initial Prestress (4,000 #/sq. in. Compressive Strength) 2,200 #/sq. in.
For Design Load (5,000 #/sq. in. Compressive Strength) 3,000 #/sq. in.
Prestressing Steel (145,000 #/sq. in. Ultimate Strength) 100,000 #/sq. in.

Specifications: Arkansas State Highway Commission Standard Specifications for Highway Construction, adopted December 3, 1959

**LAYOUT OF BRIDGE OVER
LITTLE LA GRUE BAYOU RELIEF
DE WITT - STUTTGART
ARKANSAS COUNTY
ROUTE 130 SEC. 6
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.**

BRIDGE NO. 3378 DRAWING NO. 10939

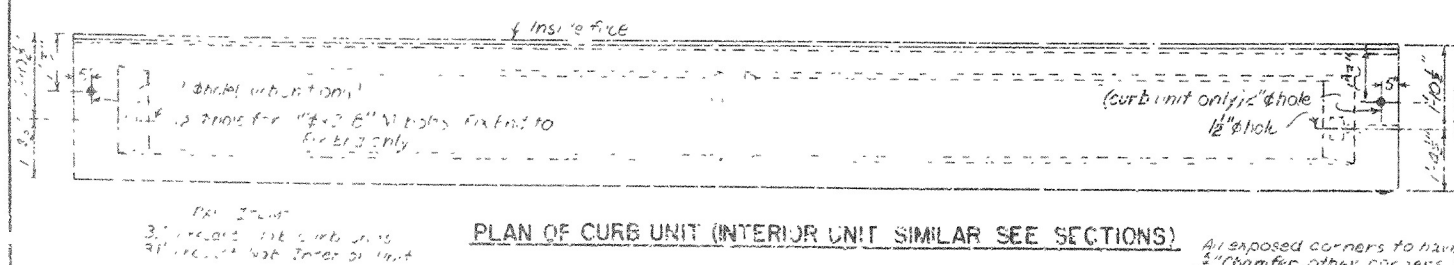
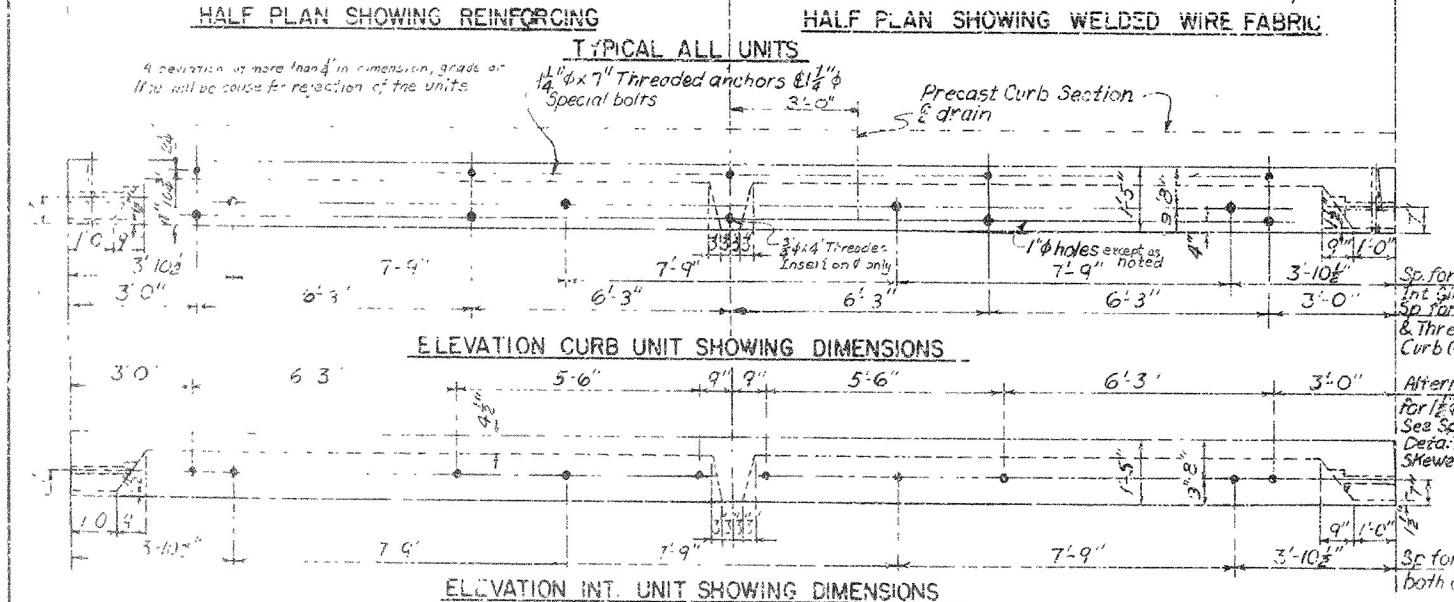
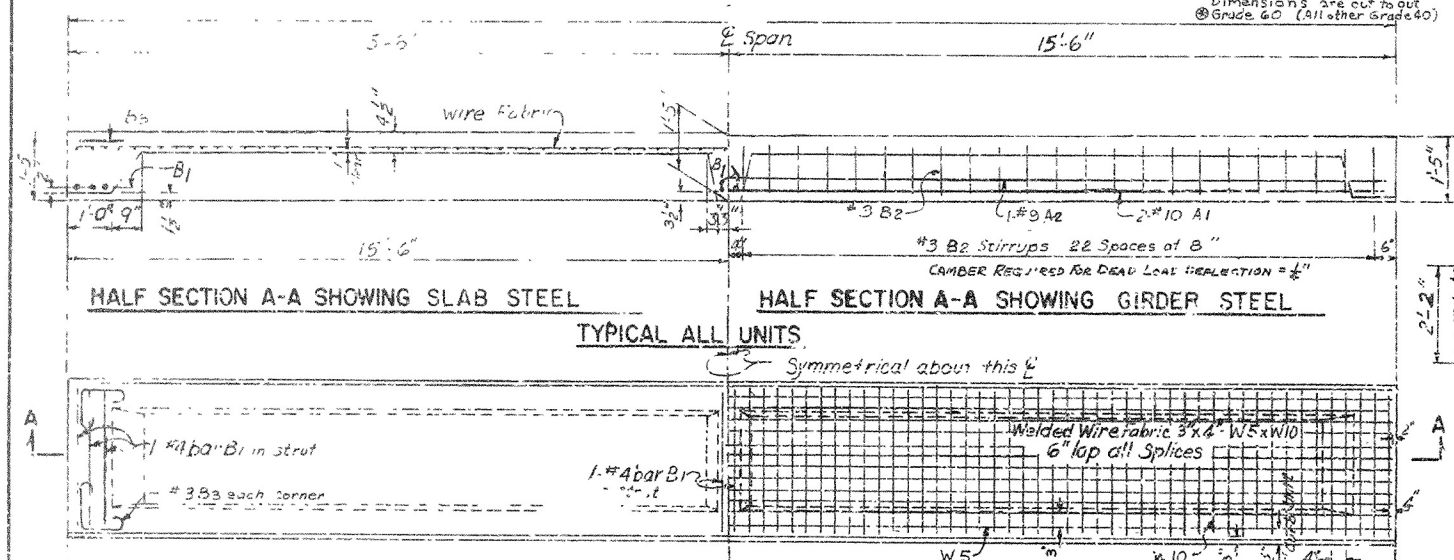
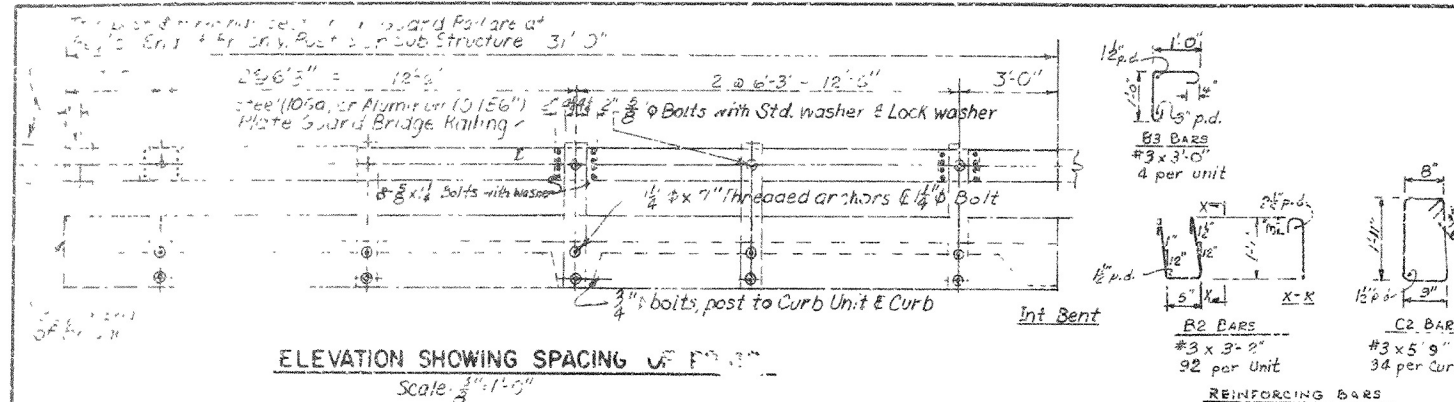
BRIDGE ENGINEER: L. P. Carlson

DATE: 4-18-60

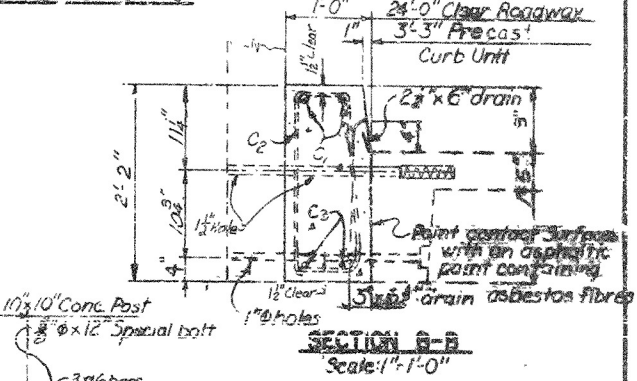
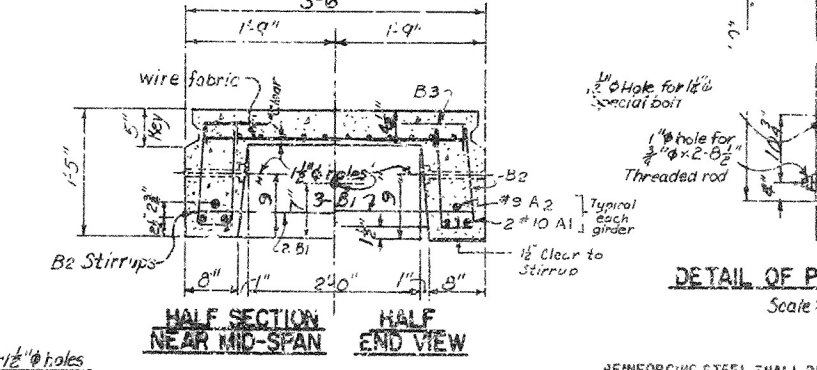
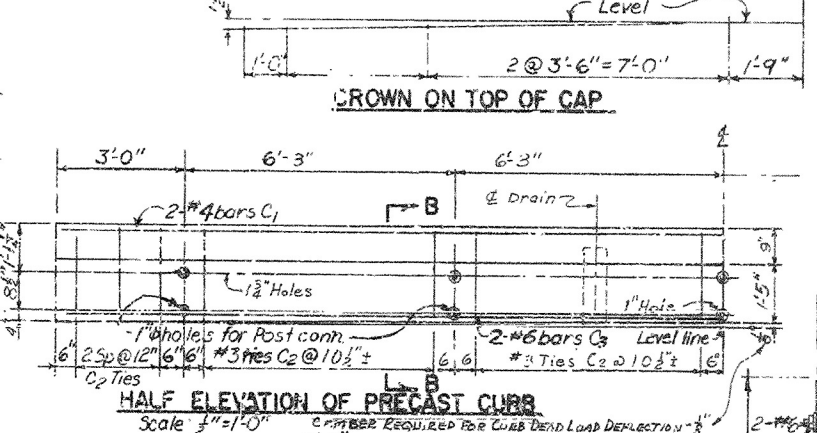
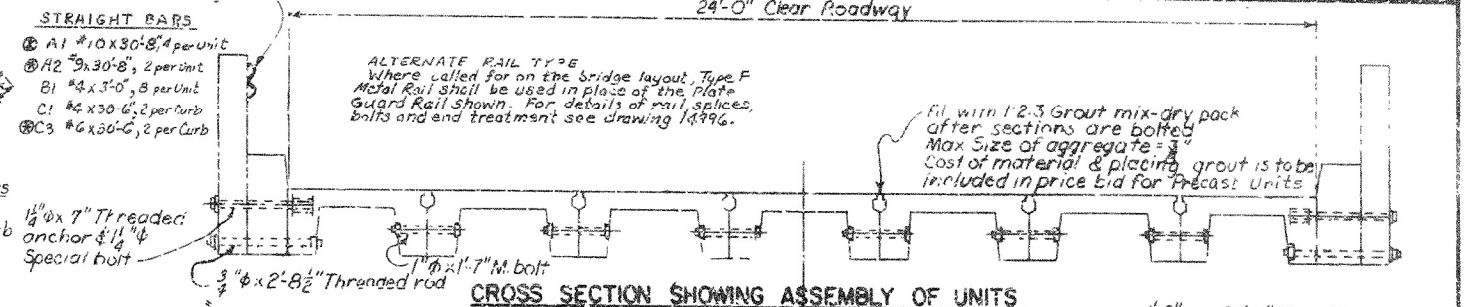
CHECKED BY: E.M. DATE: 13 APR 60

SCALE: 1"=10'

DATE CANCELED	DATE PAID	DATE RECEIVED	DATE FILED	FILE NO. AND	NOTE	FILE NO. OR FILE	PURCH. TAB	ENTRY NO.	VERIFICATION
6-4-75	75-125-10			6	ARK.				
11-7-75	75-11-7-15								
12-9-75	59-12-10								



The rail including concrete posts, all bolts and fastenings shall be paid for at the unit price bid per linear foot for "Steel or Aluminum Plate Guard Bridge Railing."



Alternate Post: 6 x 8 x 1/2" Steel Tube (6 side
against curb unit) All bolts for post
connection and rolling connection may
be 2" shorter when using steel post.
Metal posts shall conform to ASTM A36 or A501/A502,
Grade B, galvanized to meet ASTM A153, except as
pointed in accordance with Section 907.59
of the Standard Specifications if end closures
are used.

Bolts for threaded inserts shall have a
minimum ultimate tensile strength of 51,500
lbs. for 1 1/2" dia. and 29,900 for 3/4" dia.

PRECAST POST
"1'-0"

GENERAL NOTES

ASTM A615, GRADE 40 OR 60 AS NOTED. WIRE FABRIC SHALL BE ASTM A675-72. FABRIC SHALL BE ACCURATELY LOCATED IN THE FORMS AND SECURELY HELD IN PLACES. STANDARD WASHERS TO BE PROVIDED UNDER HEAD AND NUT OF ALL BOLTS ETC. PAINT HEADS AND NUTS WITH ALUMINUM PAINT AFTER ASSEMBLY IS COMPLETE. WIRE FABRIC AND SUPPORTS, BOLTS, PRECAST ANCHORS AND OTHER ACCESSORIES TO "PRECAST SLAB UNIT"

PRECAST PAUL POSTS AND PRECAST CURBS SHALL BE CLASS 3 WITH A MINIMUM OF 25 DAYS. PRECAST CURB AND CURB UNITS ARE TO BE INCLUDED IN CURB UNIT.

CONCRETE TO BE PLACED IN ACCORDANCE WITH 1973 WITH 1974 INTERIM SPECIFICATIONS FOR CONCRETE.

PER UNIT

COMPRESSIVE STRENGTH OF CONCRETE = 3500 PSI
YIELD STRENGTH OF GRADE 40 REINFORCING = 40,000 PSI
YIELD STRENGTH OF GRADE 60 REINFORCING = 60,000 PSI
TENSILE STRENGTH OF WIRE FABRIC = 45,000 PSI

DETAILS OF STANDARD
31'0" PRECAST CONCRETE SPANS
24' CLEAR ROADWAY
ROLL-ON SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: J.M. DATE: 7-2-72
REVISED BY: E.H. DATE: 3-2-78
CHECKED BY: J.E. DATE: 2-5-78
BRIDGE NO. DRAWING NO. 5292 REV.

