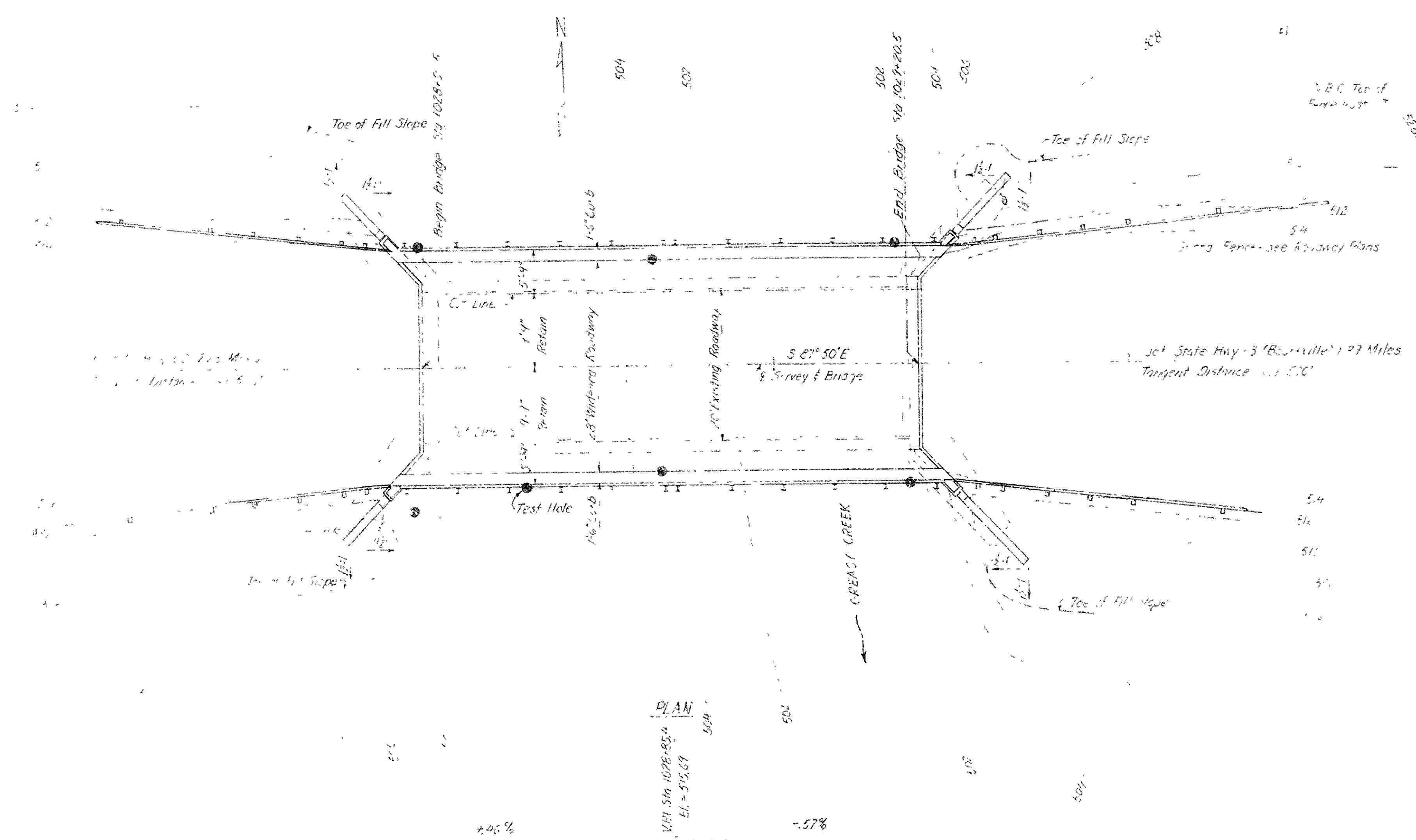


ROAD	STATE	FED. AID	TOTAL	SHEET	TOTAL
D	ARK.	5252(2)		8	39
JOB No.		4420			

Note: For Right of Way data see Roadway Plans

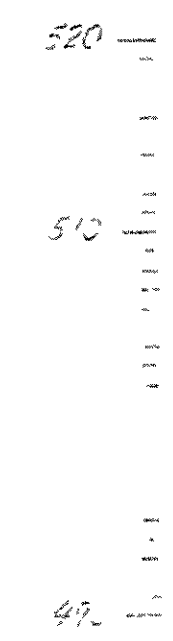
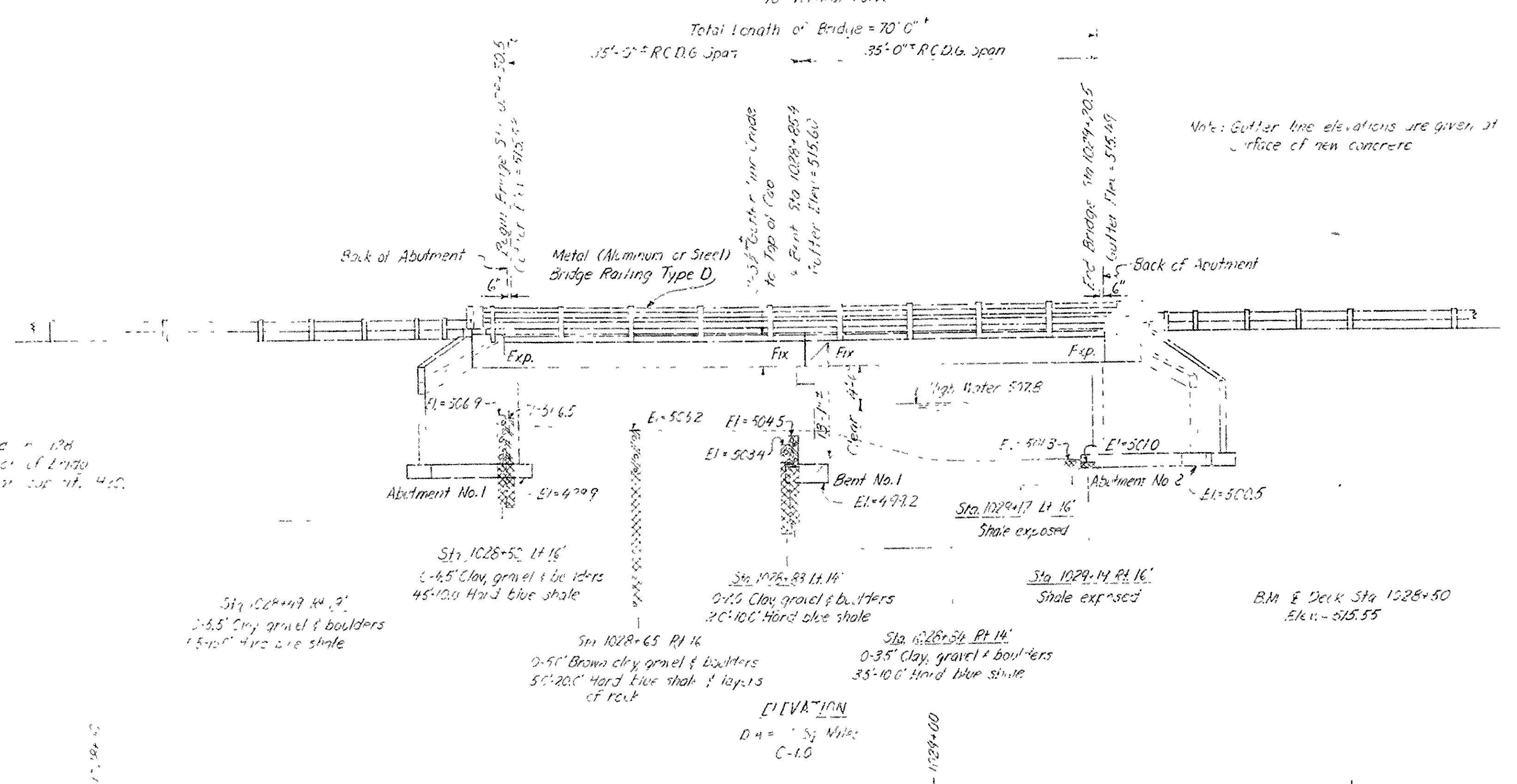


### GENERAL NOTES

- All concrete to be poured in the dry. Exposed corners to be chamfered 3/4" unless otherwise noted.
- Rock excavations shall be made to neat lines of concrete footings. Care shall be exercised to avoid shattering of rock faces by excessive blasting. Concrete in footings shall be poured directly against excavated surfaces of rock.
- In general, all construction joints in bents or piers shall be horizontal and shall be provided with keys not less than 1 1/2" high covering the middle of both dimensions.
- Contractor shall maintain traffic on the existing bridge throughout widening and construction period. See Special Provisions.
- All dimensions and elevations relating to the existing structure are approximate only and any adjustment required to match new construction to existing structure shall be made.
- Plans of the existing structure will be submitted to the contractor upon request.
- For Details of Widening Substructure see Dwg. No. 13164, 13165
- For Details of Widening Superstructure see Dwg. No. 13166

SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959, and designated Special Provisions.

DESIGN SPECIFICATIONS	AASHO	1961
Live Loading:	H20	
Unit Stresses:	Class A Concrete (n-15)	840 psi
	Class S Concrete (n-10)	1,200 psi
	Reinforcing Steel	20,000 psi



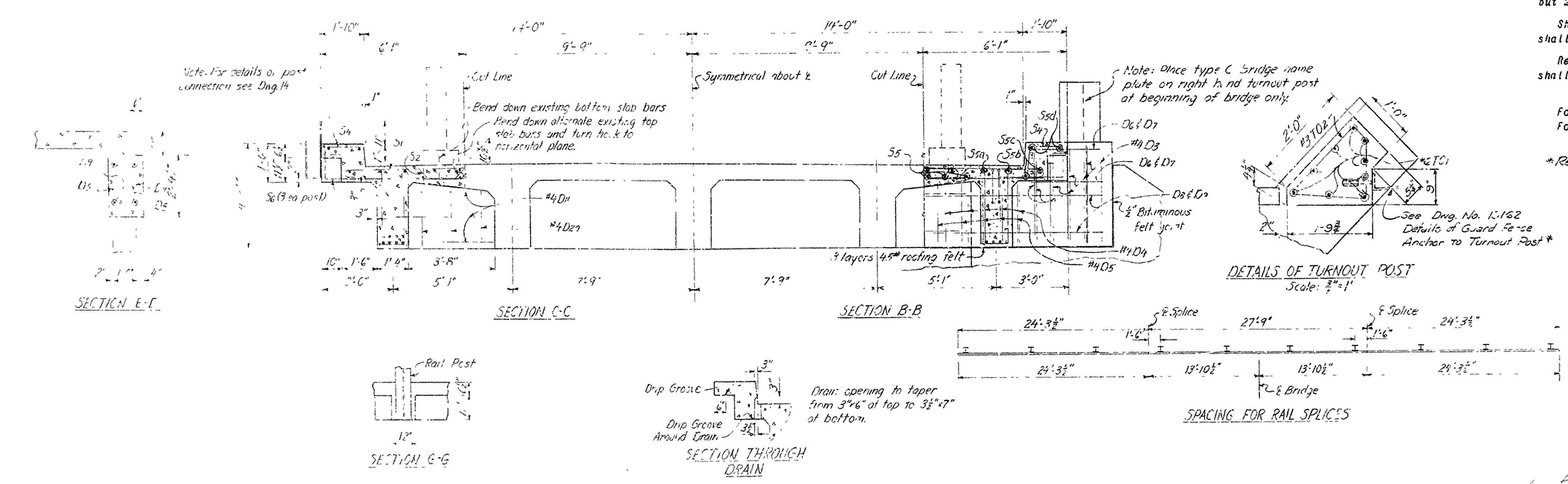
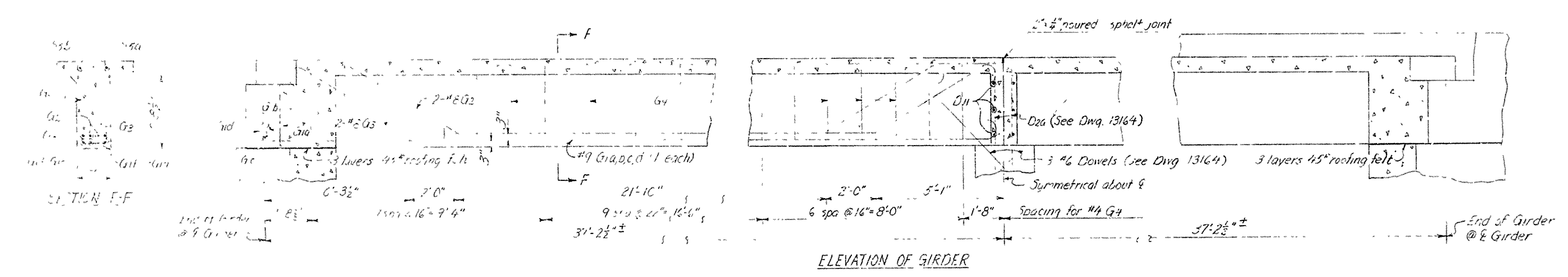
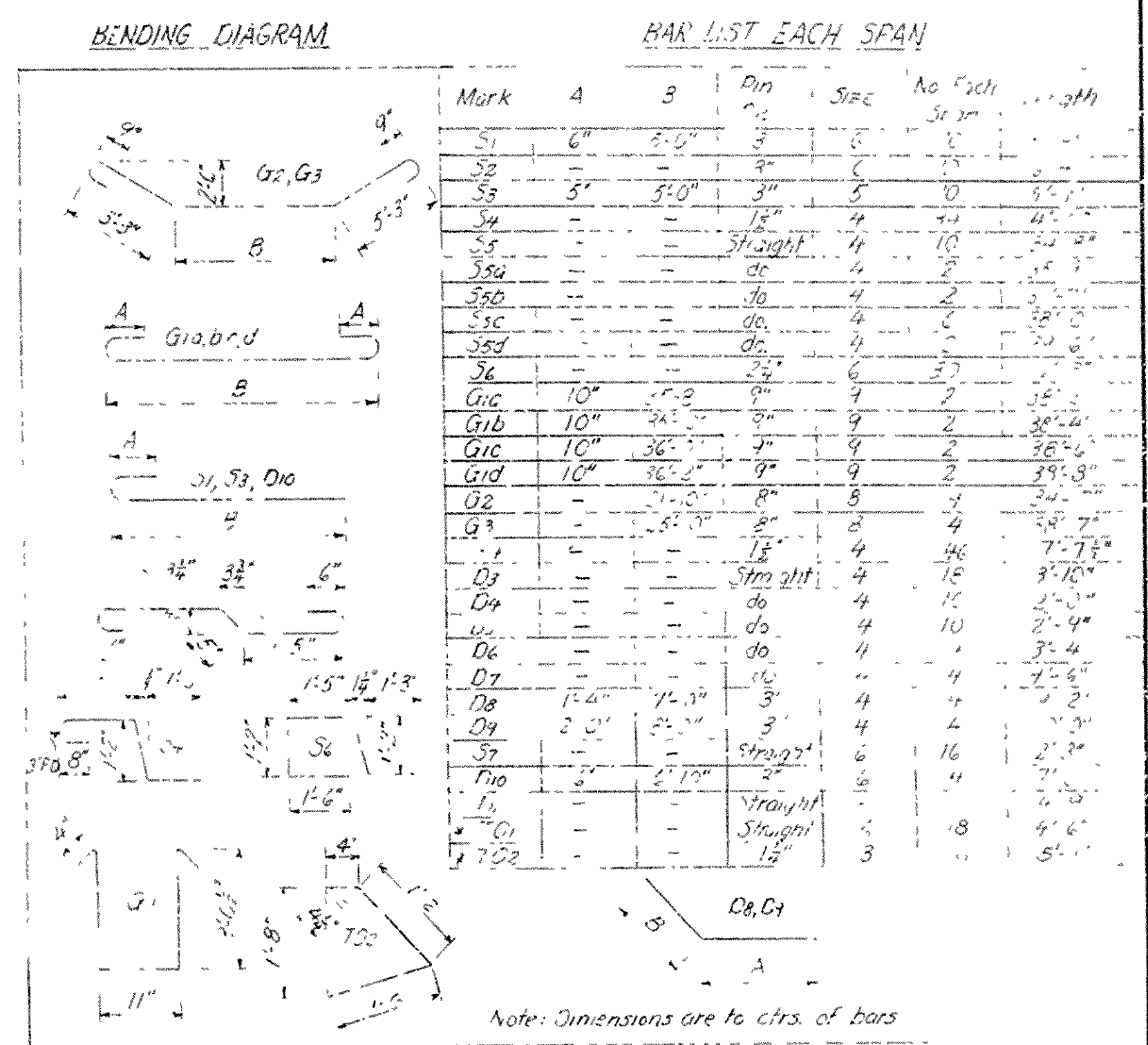
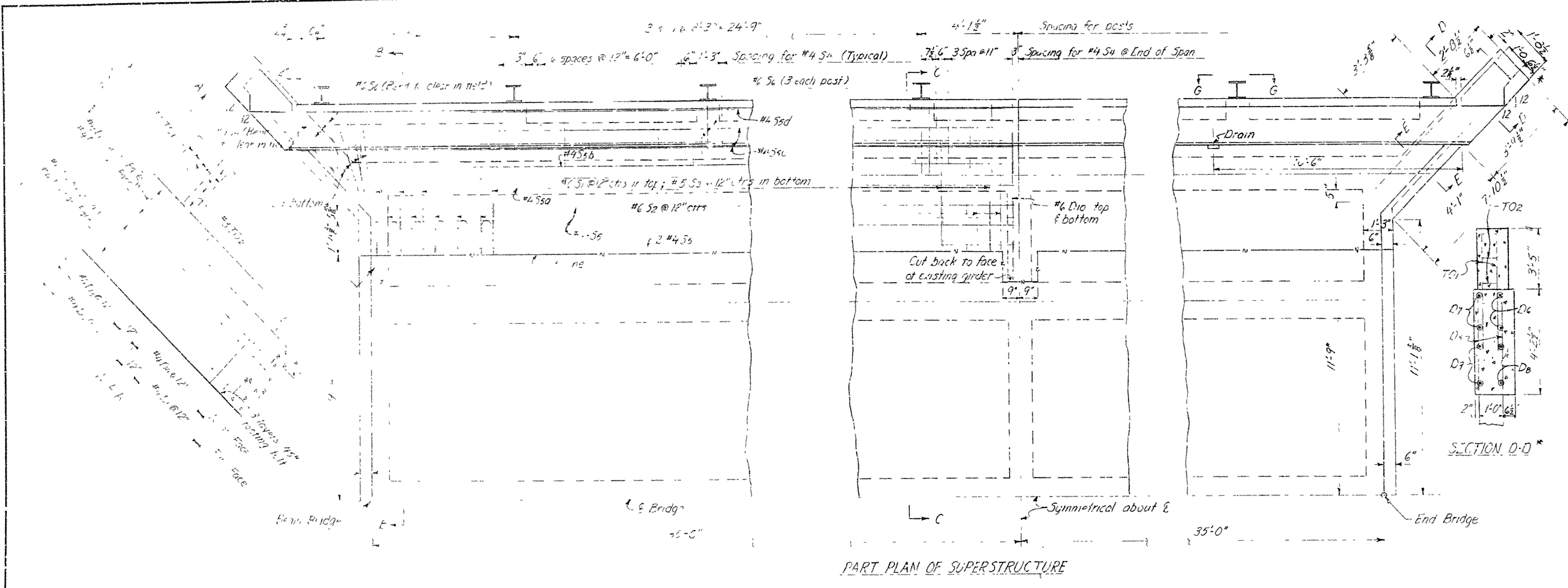
LAYOUT OF BRIDGE  
OVER GREASY CREEK  
GREASY, ROOSEVELT, & SCOTT TOWNSHIPS  
LOGAN COUNTY  
ROUTE 10 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

DRAWN BY: TLL DATE: 11-14-64  
TRACED BY: DATE: 11-14-64  
CHECKED BY: EAW DATE: 10-64  
BRIDGE NO. 7044 DRAWING NO. 13164







GENERAL NOTES

All concrete to be Class 3. All corners to be chamfered 3/4" unless otherwise noted.

Reinforcing steel to be deformed bars of intermediate or hard grade. The reinforcing steel shall be accurately placed in its forms and firmly held in place by steel wire supports. The wire supports shall not be paid for directly but will be considered subsidiary to the item "Reinforcing Steel."

Shop lists and bending diagrams of reinforcing steel, including wire supports, shall be submitted and approval secured before fabrication is begun.

Removal of portions of existing superstructure preparatory to reconstruction shall be paid for under the item "Remodeling Existing Bridge Structures."

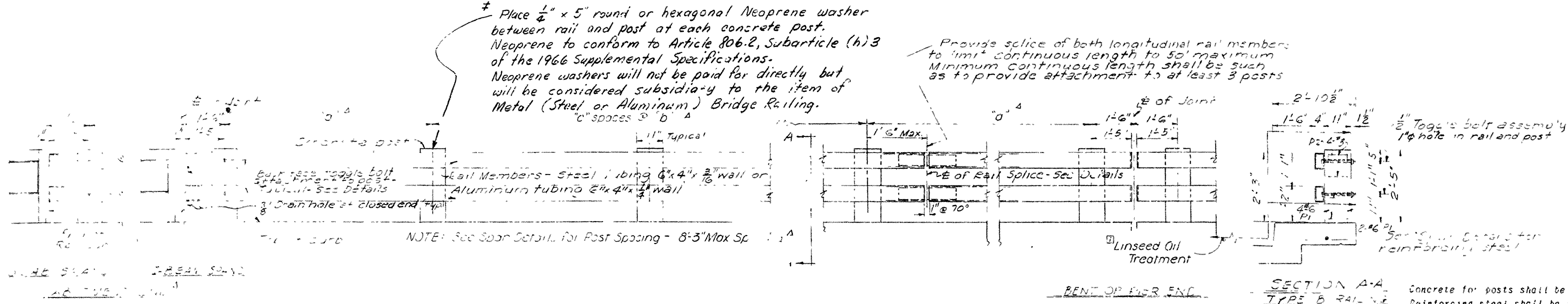
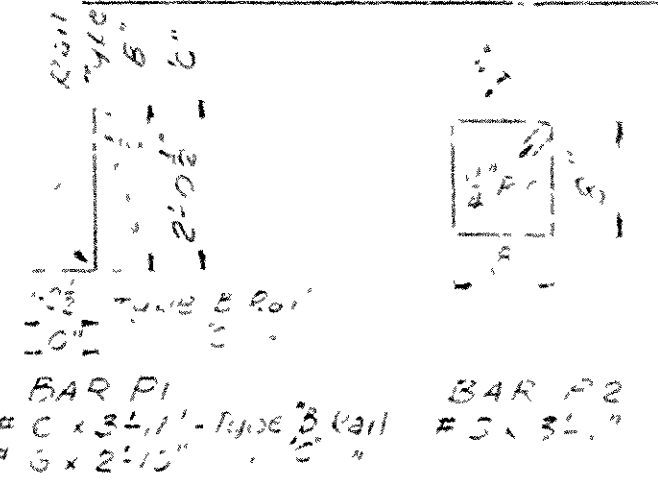
For Details of Metal Bridge Railing see Dwg. No. 14993  
For additional General Notes see Dwg. No. 13163

\*Revised Turnout & Post for Guard Fence Attachment E&S 2-8-67

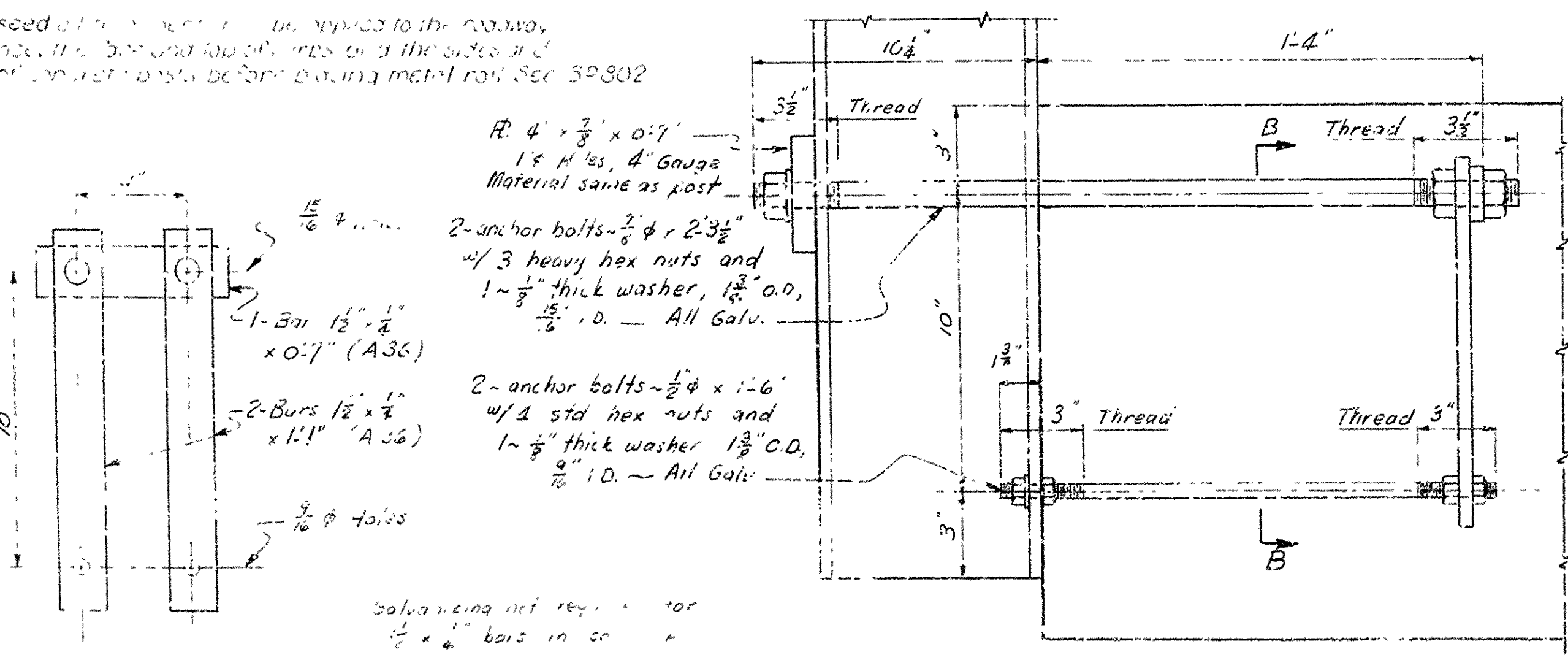
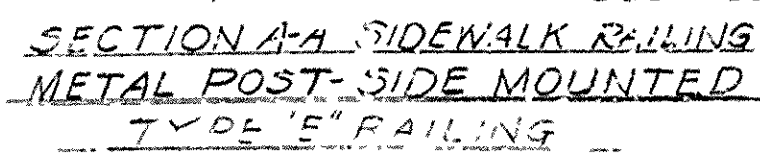
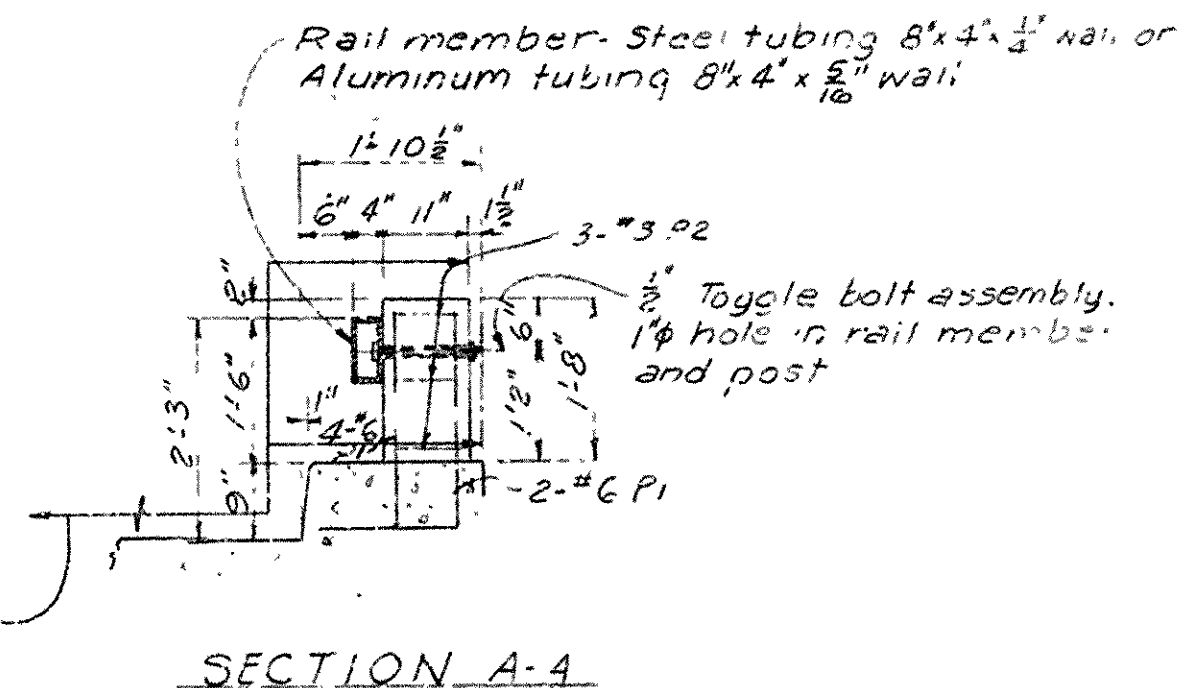
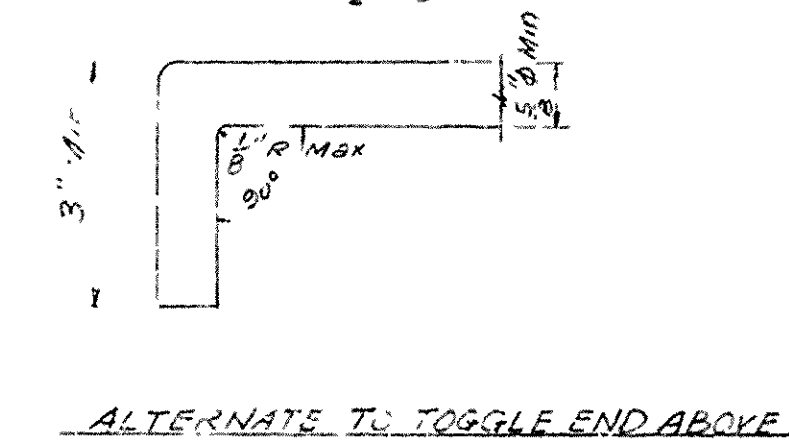
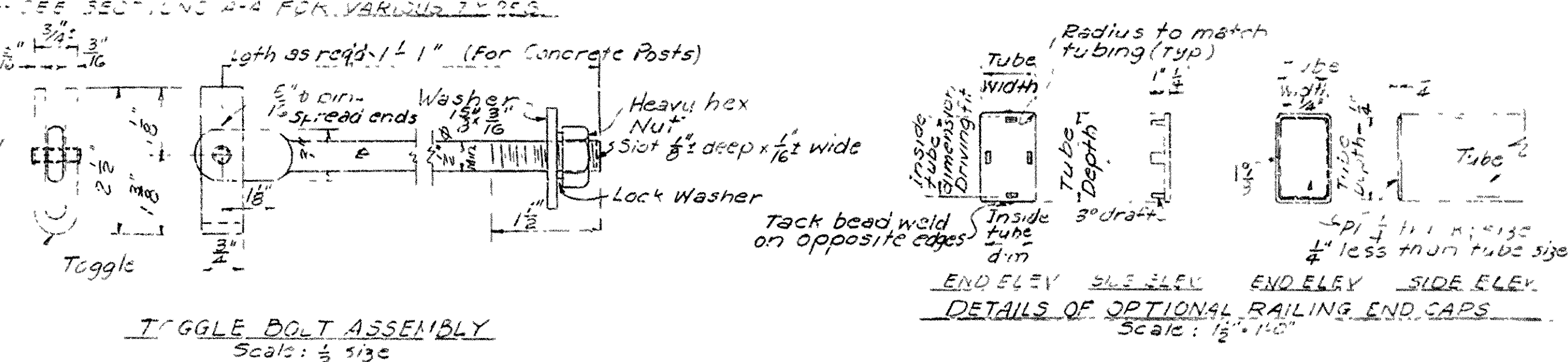
DETAILS OF WILKENING SUPERSTRUCTURE  
BRIDGE OVER GREASY CREEK  
GREASY, ROOSEVILLE & TT CREEK  
BRIDGES & APPROACHES  
LOGAN COUNTY  
ROUTE 10 SEC. 2  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.  
DRAWN BY: T.H. DATE: 2-6-63  
CHECKED BY: E.A.W. DATE: 3-12-63  
SCALE: 1" = 100'-0"  
BRIDGE NO. 704A DRAWING NO. 1316b



FED AID No	STATE	FED AID PROJECT	FISCAL YEAR	SHEET No	TOTAL SHEETS
6	ARK	S-250(2) S-252(2)			
JOB No			4560	12	39



EXP. ELEVATION OF DALLING-ROADWAY FACE-METAL RAIL MEMBERS WITH CONCRETE POSTS



Concrete for posts shall be Class 3 Exposed aggregate shall be chambered 1 1/2". Reinforcing steel shall be intermediate or hard grade. Shop lists and bending diagrams shall be submitted and approval secured before fabrication is begun. Material for metal railing shall be galvanized steel or aluminum alloy as follows:

**Aluminum Alloy:**

- Tubing: 6061-T6 or 6062-T6; ASTM Specification B 221
- Posts: 6061-T6 or 6062-T6; ASTM Specification B 208 or B 221.
- Extrusions: Rods, bars and shapes - 6061-T6 or 6062-T6; ASTM Specification B 221.
- Railing End Caps: 3561; ASTM Specification B 26, Alloy 6061-T6 or 6062-T6, 6062-T6, or 6063-T6, ASTM Specification B 221.

**Steel:**

- Tubing, Posts, and Accessories: ASTM Specification A 36 or ASTM Specification A 53, Grade B, or ASTM 500, Grade A or B, or ASTM 500.
- Railing End Caps: Carbon Steel castings conforming to ASTM Specification, Designation A 27, Grade 65-35, or ASTM Specification A 36.
- Steel rail members shall be painted in accordance with ASTM Specification A 123.
- Anchor Bolts and Toggle Bolts: Anchor bolts and toggle bolts shall be stainless steel conforming to ASTM Specification, Designation A 193, or A 320, Grade 8, with a minimum yield strength of 80,000 per square inch, or High Strength Steel ASTM Specification A 325 or A 354, Grade 8C, galvanized in accordance with ASTM Specification A 153. Toggle pin (See Below).
- Toggle Material: Aluminum Alloy 6061-T6 or 6062-T6, ASTM A 36, or A 307, Grade B galvanized in accordance with ASTM A 153 or stainless steel, ASTM A 276 or A 316, Type 302.
- Splitter Set Screws: Aluminum Alloy 6061-T6 or 2024-T4, ASTM Specification B 281, or stainless steel ASTM Specification A 193 or A 320, Grade 8, or ASTM A 36 galvanized.
- Nuts: Stainless Steel, ASTM Specification A 194, Grade 8, or ASTM Specification A 325, galvanized in accordance with ASTM Specification A 153.
- Threads: Threads on bolts, screws and nuts shall conform to American Standard coarse Series, Class 2 Fit, ASA Specification B1.1.
- Washers: Aluminum Alloy, Alclad 2024; ASTM Specification B 209, or ASTM A 7 or A 36, galvanized in accordance with ASTM Specification A 153, or ASTM A 276 or 304.
- Longitudinal Perfit members shall be of sufficient length to provide attachment to at least three posts.
- Bridge railing including posts, reinforcing steel, and fastenings shall be paid for at the contract unit price per linear foot bid for "Metal (Aluminum or Steel), Bridge Railing" (Group of railing in accordance with Bridge).
- Shop drawings showing details of railing shall be submitted and approval secured before fabrication is begun.
- Painting of aluminum and galvanized steel parts in railing assembly is not permitted except that galvanized anchor and toggle bolts as specified above may be used with Aluminum Rail Systems.

\* Toggle pin to be the same material as specified for toggle bolts above or cold worked stainless steel ASTM A-276 type 303 (S).

\* Stainless Steel, ASTM A-276, Type 430 with a minimum ultimate strength of 100,000 psi may be used in lieu of the faster fastener material shown in types above.

\* Carbon steel fastener material as specified above, aluminum coated in accordance with Special Provision 406-10, may be used with aluminum rail members in lieu of the applicable material specified.

**SPECIFICATIONS:** Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1950, the 1966 Supplement, Specifications thereto not applicable Special Provisions.

DETAILS OF  
FEEDAL BRIDGE FAILING  
TYPE B, C, D, E

ROUTE 10 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, APK.

DRAWN BY: *H.B.* DATE: *5-24-64* SCALE: *1" = 10' except as noted*

TRACED BY: DATE: SCALE:

CHECKED BY: *G. [initials]* DATE: *5-2-64*

BRIDGE NO. *X4A, 1274A* DRAWING NO. *14-033*  
*6/12/73A*

*File As Drawing No. 13/66 A*