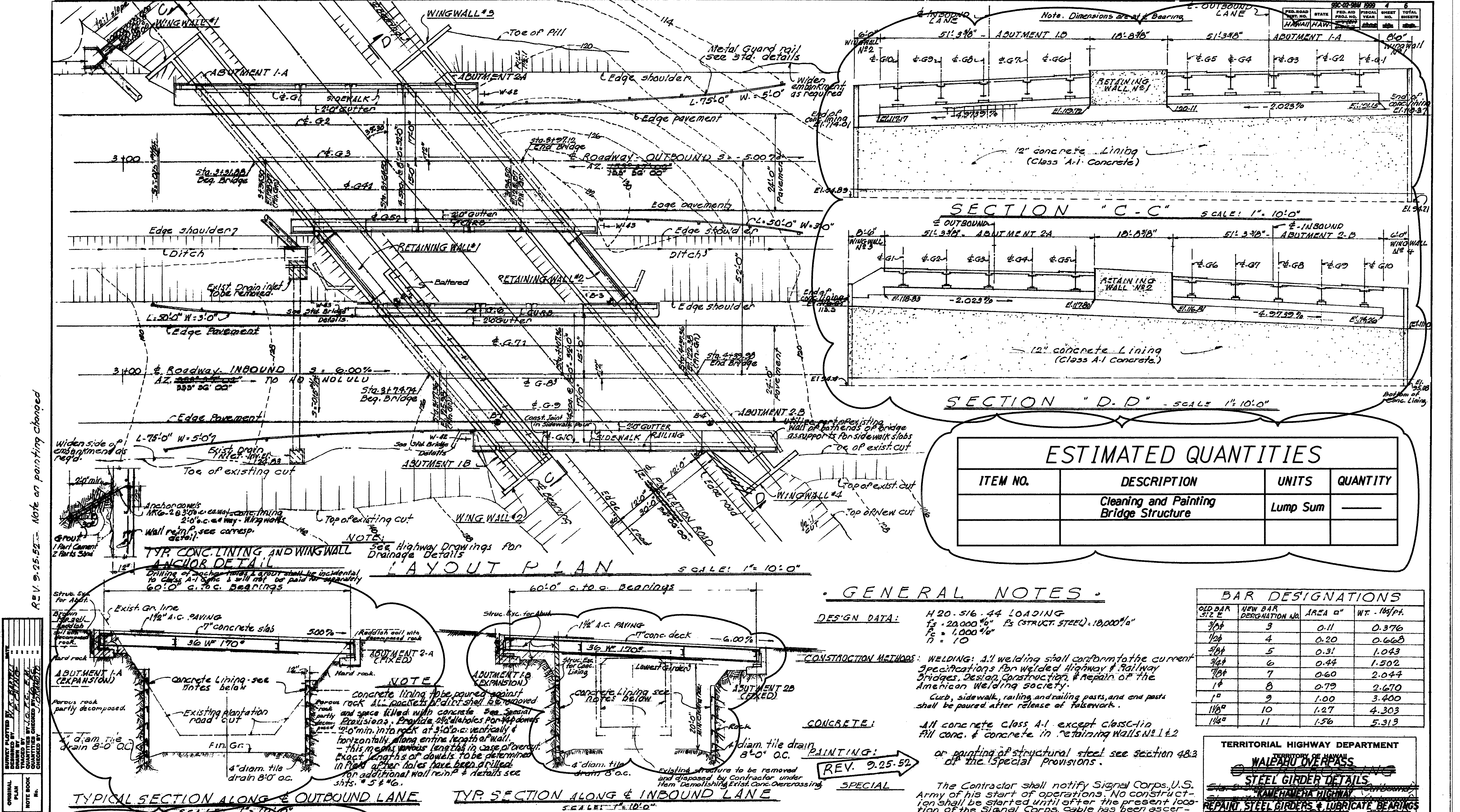




ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	Cleaning and Painting Bridge Structure	Lump Sum	—

GENERAL NOTES

DESIGN DATA: H 20-516-44 LOADING
 $f_c = 20,000 \text{ psi}$ (STRUCT. STEEL) $= 10,000 \text{ psi}$
 $f_s = 1,000 \text{ psi}$
 $n = 10$

CONSTRUCTION METHODS: WELDING: All welding shall conform to the current specifications for welded Highway & Railway Bridges, Design, Construction, & Repair of the American Welding Society.

Curb, sidewalk, railing and railing posts, and end posts shall be poured after release of falsework.

CONCRETE: All concrete Class A-1 except Class C-10 fill conc. & concrete in retaining walls No. 1 & 2

PAINTING: or painting of structural steel see section 48.3 of the Special Provisions.

SPECIAL: The Contractor shall notify Signal Corps, U.S. Army of his start of operations. No construction shall be started until after the present location of the Signal Corps cable has been ascertained and proper arrangements have been made for its temporary location. The contractor shall cooperate with the Signal Corps when doing work in connection with the cable installation.

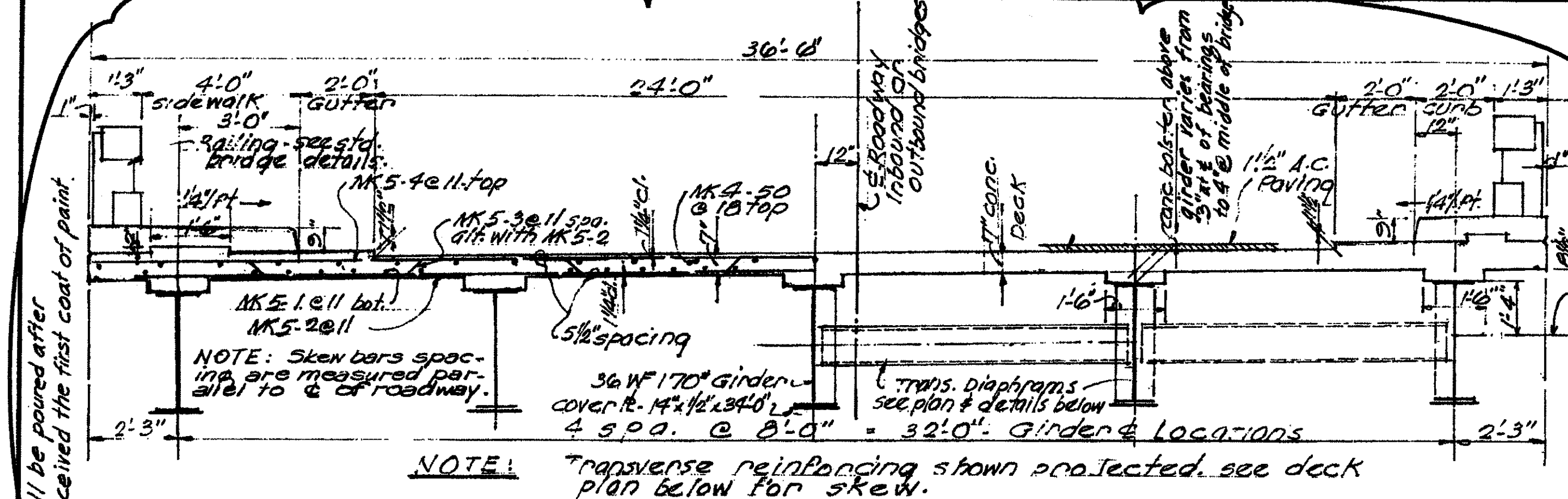
BAR DESIGNATIONS			
OLD BAR SIZE	NEW BAR DESIGNATION NO.	AREA in^2	WT. lbs/ft.
3/8"	3	0.11	0.376
1/2"	4	0.20	0.668
5/8"	5	0.31	1.043
3/4"	6	0.44	1.502
7/8"	7	0.60	2.044
1"	8	0.79	2.670
1 1/8"	9	1.00	3.400
1 1/2"	10	1.27	4.303
1 3/4"	11	1.56	5.313

TERRITORIAL HIGHWAY DEPARTMENT
WAIKALUA OVERPASS
STEEL GIRDER DETAILS
REPAIR, STEEL GIRDERS & LUBRICATE BEARINGS
ON WAIKALUA OVERPASS
 Project No. 99C-02-30W ESI
 SHEET NO. 4 OF 5 SHEETS

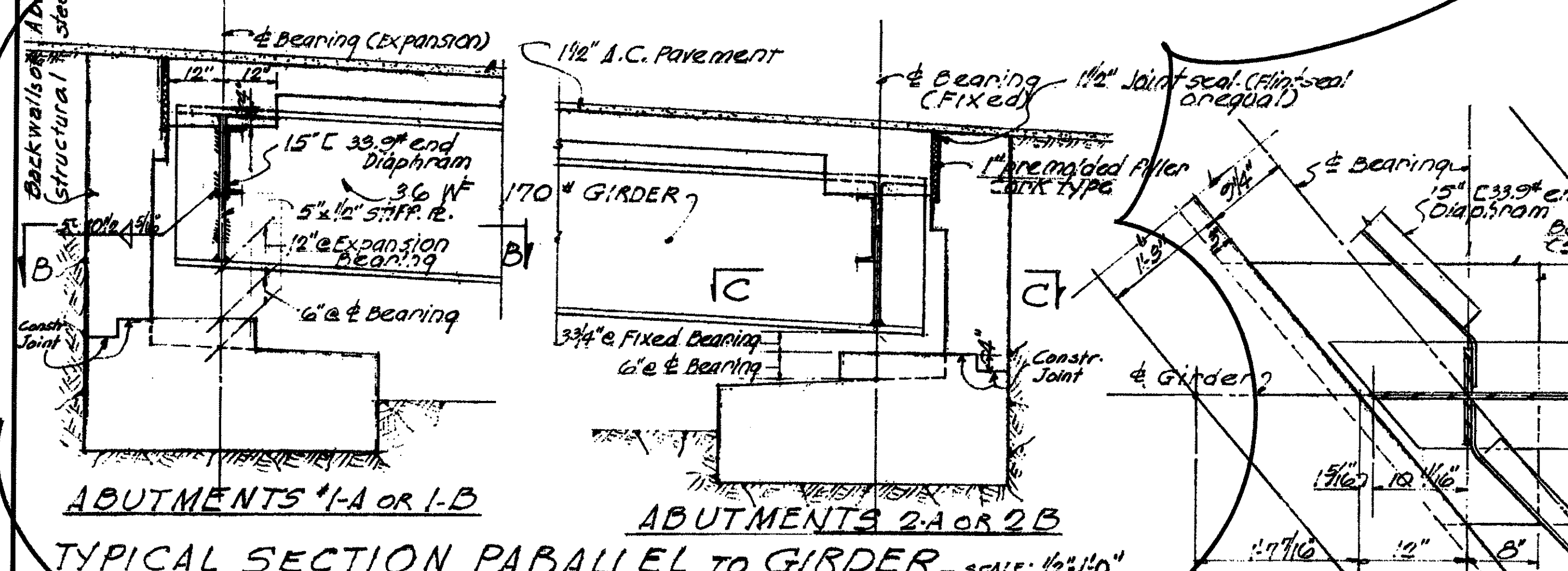
THIS DRAWING IS IN PART ORIGINAL CONTRACT PLANS OF EXISTING BRIDGE AND IS INTENDED FOR INFORMATION AND GUIDANCE ONLY. DRAWINGS ARE NOT TO SCALE.

Denotes Approx. Areas Intended For This Contract.
 NOTE: All subsurface investigations shall be subject to the conditions of Section 23 of the Standard Specifications for Road and Bridge Construction.

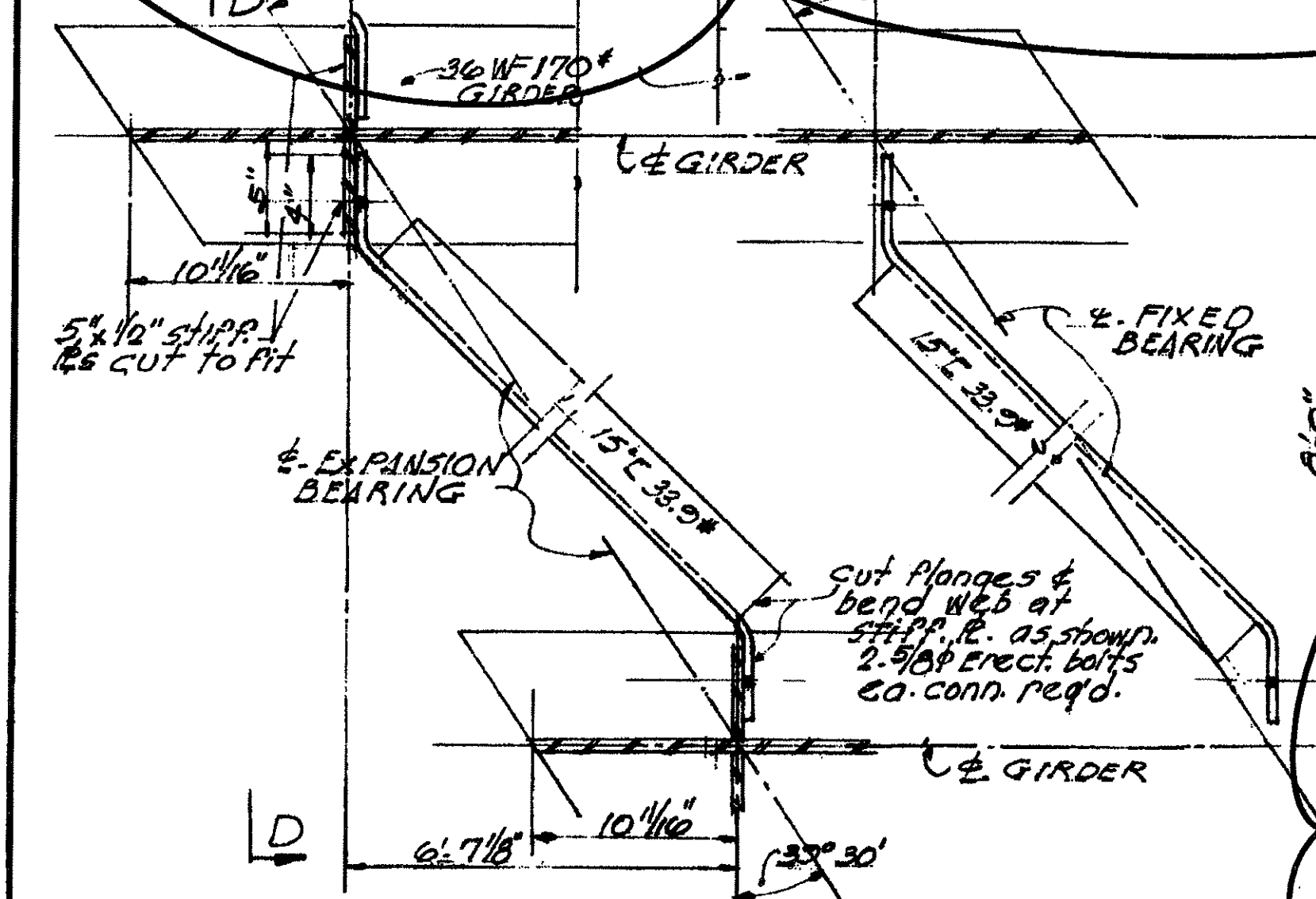
NOTE: For details of railings see std. bridge details drawing.



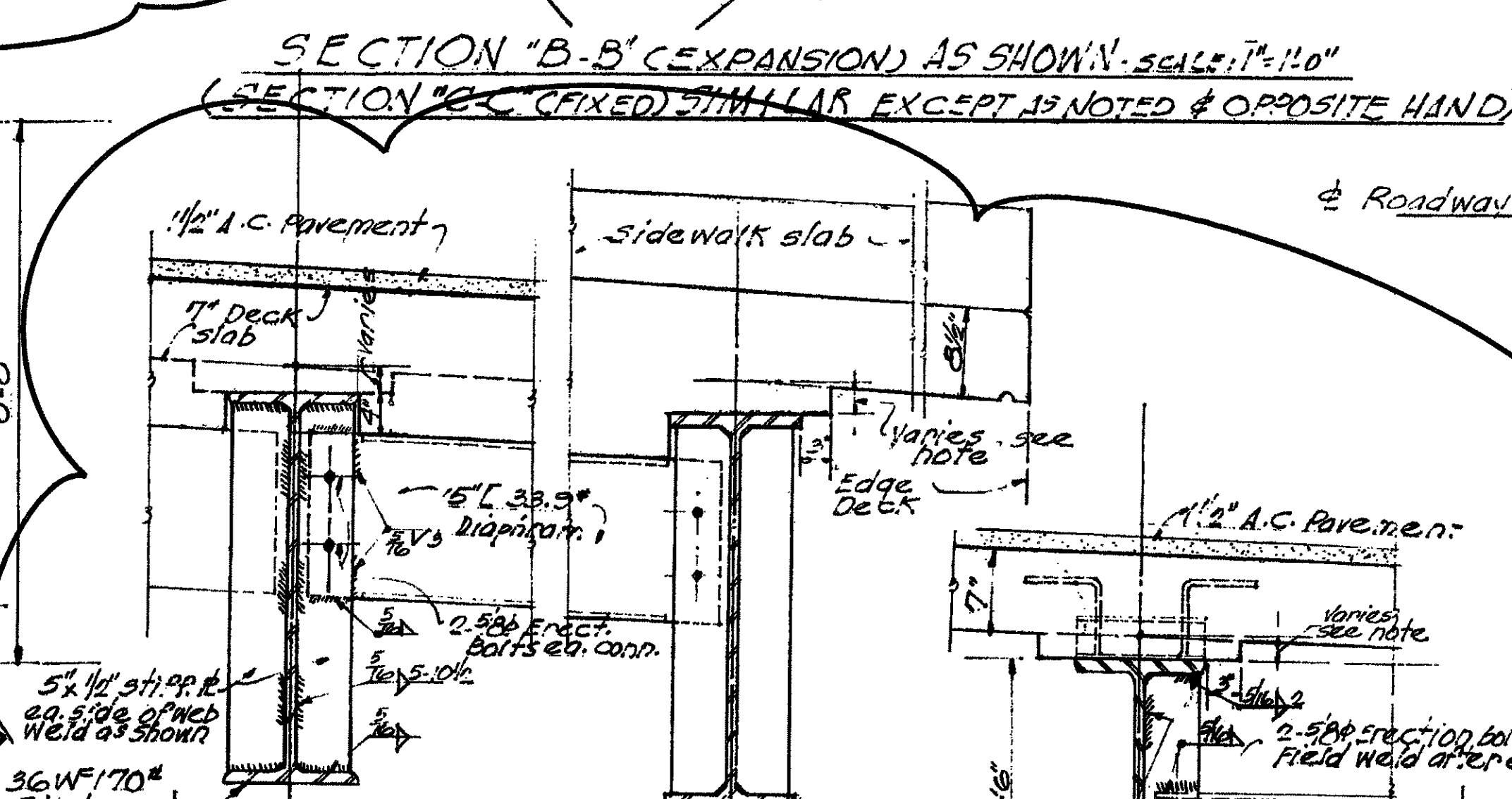
TYP SECTION "A-A" THRU INBOUND AND OUTBOUND BRIDGES
SCALE: 3/8" = 1'-0"



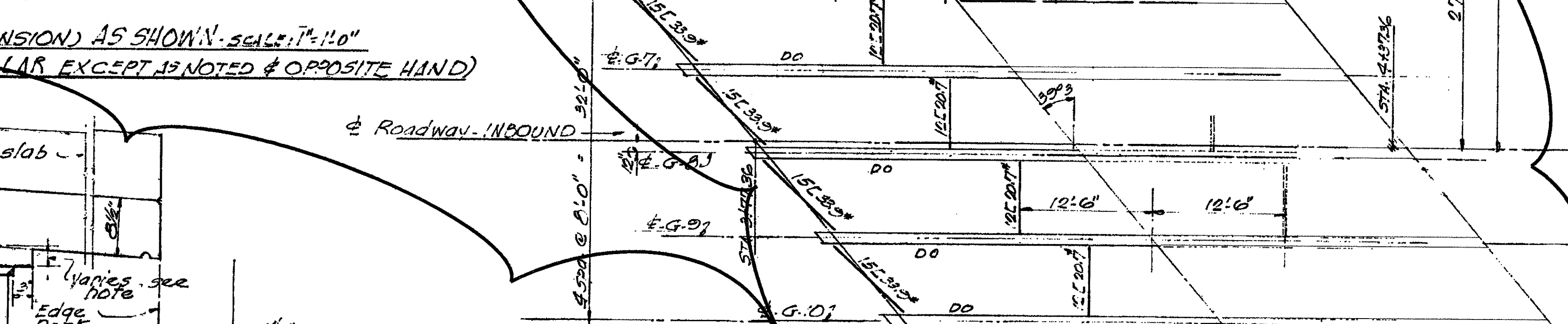
TYPICAL SECTION PARALLEL TO GIRDER - SCALE: 1/2" = 1'-0"



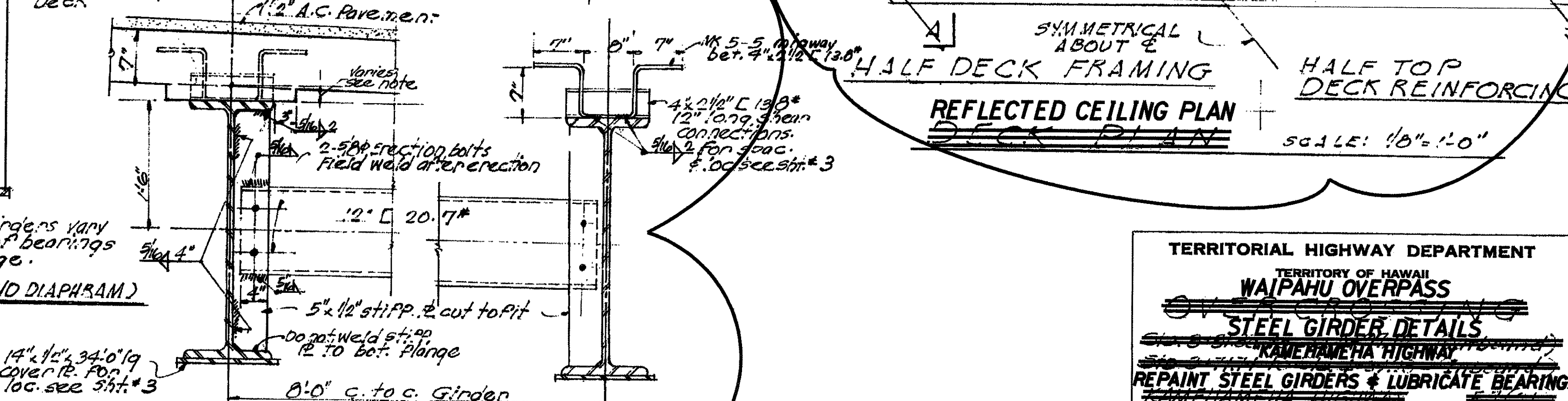
DETAILS OF END DIAPHRAGMS - SCALE: 1/2" = 1'-0"



SECTION "B-B" (EXPANSION) AS SHOWN - SCALE: 1/2" = 1'-0"



ELEVATION OF RAILING - SCALE: 1/4" = 1'-0"



DETAILS OF INTERMEDIATE DIAPHRAGMS - SCALE: 1/2" = 1'-0"

Denotes Approx. Areas Intended For This Contract.

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TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
WAIPAHU OVERPASS
STEEL GIRDER DETAILS
REPAINT STEEL GIRDERS & LUBRICATE BEARINGS
ON WAIPAHU OVERPASS
Project No. 99C-02-000-ES2 3 July 1998
SHEET NO. 5 OF 5 SHEETS

