

SCHEDULE OF BRIDGE QUANTITIES - JOB NO. 3945

BRIDGE NO.	CODE NO.	UNIT OF BRIDGE	ITEM NO.	801	SP # 802	SP # 802**	SP # 802	803	804	SP # 805***	SP # 807	SP # 809	812	SP # 816	SP # 816	SP # 816	205	SP JOB 3945	SP JOB 3945	SP JOB 3945	SP # 205
			ITEM	UNCLASSIFIED EXCAVATION FOR STRUCTURES BRIDGE	CLASS S CONCRETE	CLASS S (A.E.) CONCRETE	SEAL CONCRETE	BOILED LINSEED OIL	REINFORCING STEEL (GRADE 60)	PRECAST CONCRETE PILING (16" OCT. OR 14" SQ.)	STRUCTURAL STEEL IN BEAM SPANS (A588)	PREFORMED JOINT SEALER	BRIDGE NAME PLATES (TYPE C)	FOUNDATION PROTECTION RIPRAP	DUMPED RIPRAP	FILTER BLANKET	REMOVAL OF EXISTING BRIDGE STRUCTURES	DRILLED SHAFTS (48" DIA.)	PERMANENT STEEL CASING (48" O.D. x 1/2" MIN.)	REMODELING EXISTING BENTS AND SUPERSTRUCTURE	REMOVAL OF TEMPORARY DETOUR BRIDGE STRUCTURES
			UNIT	CU. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	LB.	LIN. FT.	LB.	LIN. FT.	EACH	CU. YD.	CU. YD.	SQ. YD.	LUMP SUM	LIN. FT.	LIN. FT.	LUMP SUM	LUMP SUM
ALT. 1 OR 2	2928W	X020 BRUSHY CREEK	END BENTS 1 & 5		8.20				938	140*						172	345				
			INT. BENTS 2, 3 & 4		8.80				1112	210*											
			END SPANS 1 & 4			44.30			6550				1								
			INT. SPANS 2 & 3			44.00			6480												
			TOTALS FOR BR. NO. 2928W		17.00	88.30			15,080	350*			1		172	345				1.0	
ALT. 1	6049	X071 MINE CREEK	END BENTS 1 & 6	25	32.48			0.2	4169		940		1		212	424		100.0			
			INT. BENTS 2, 3, 4 & 5		39.72 59.62				6089 7408					312				448.0 525.0	196.0 389.0		
			SPANS 1-5			232.80		21.8	51,633		146,330	209.0									
			TOTALS FOR BR. NO. 6049	25	72.20 85.10	232.80		22.0	6240 65,210		147,270	209.0	1	312	212	424	1.0	548.0 625.0	196.0 389.0		1.0
			END BENTS 1 & 6	25	31.58			0.2	2824	300	940		1		212	424					
ALT. 2	6049	X071 MINE CREEK	INT. BENTS 2, 3, 4 & 5	507	133.92		277.00		22,466					312							
			SPANS 1-5			232.80		21.8	51,630		146,330	209.0									
			TOTALS FOR BR. NO. 6049	532	165.50	232.80	277.00	22.0	76,920	300	147,270	209.0	1	312	212	424	1.0				1.0
			TOTALS FOR JOB NO. 3945	25	61.20 90.10	321.10		22.0	77,670 80,290	350	147,270	209.0	2	312	384	769	1.0	548.0 625.0	196.0 389.0	1.0	1.0
			TOTALS FOR JOB NO. 3945	532	182.50	321.10	277.00	22.0	92,000	650	147,270	209.0	2	312	384	769	1.0	-	-	1.0	1.0

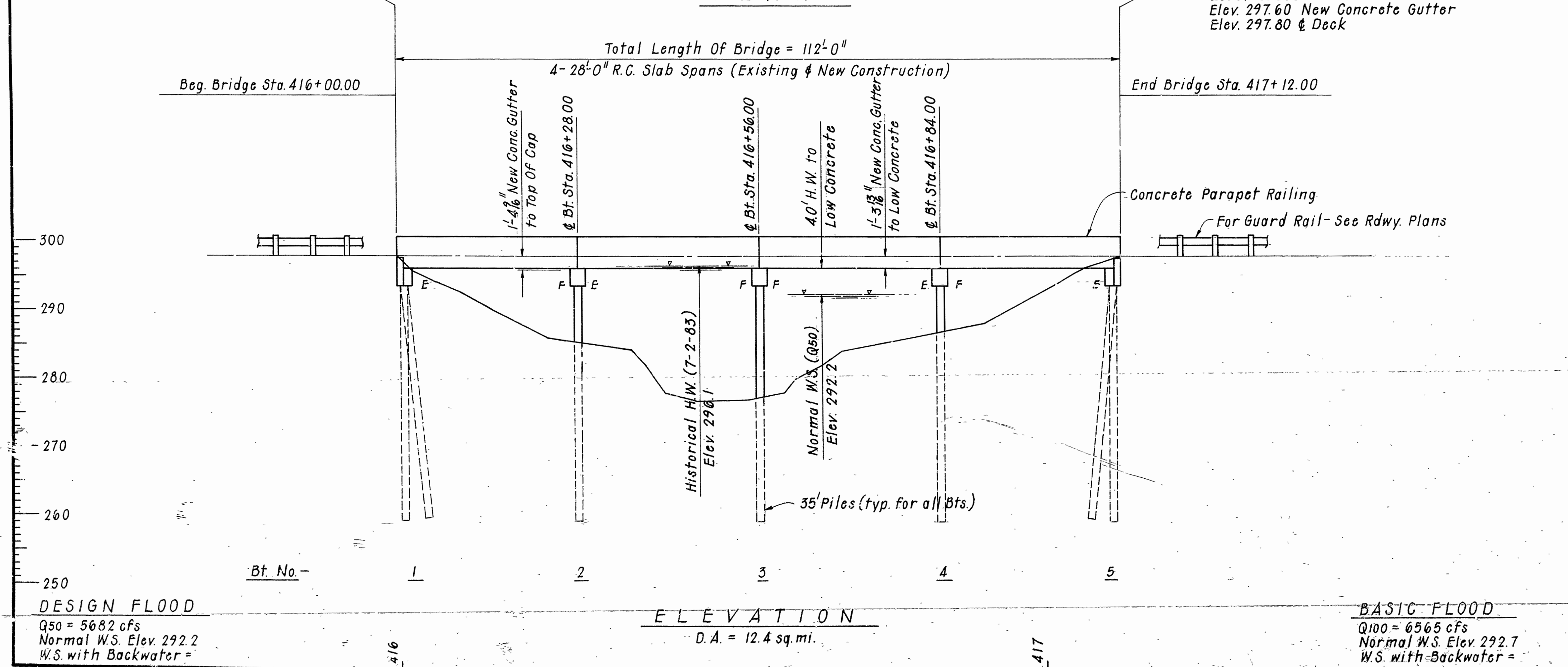
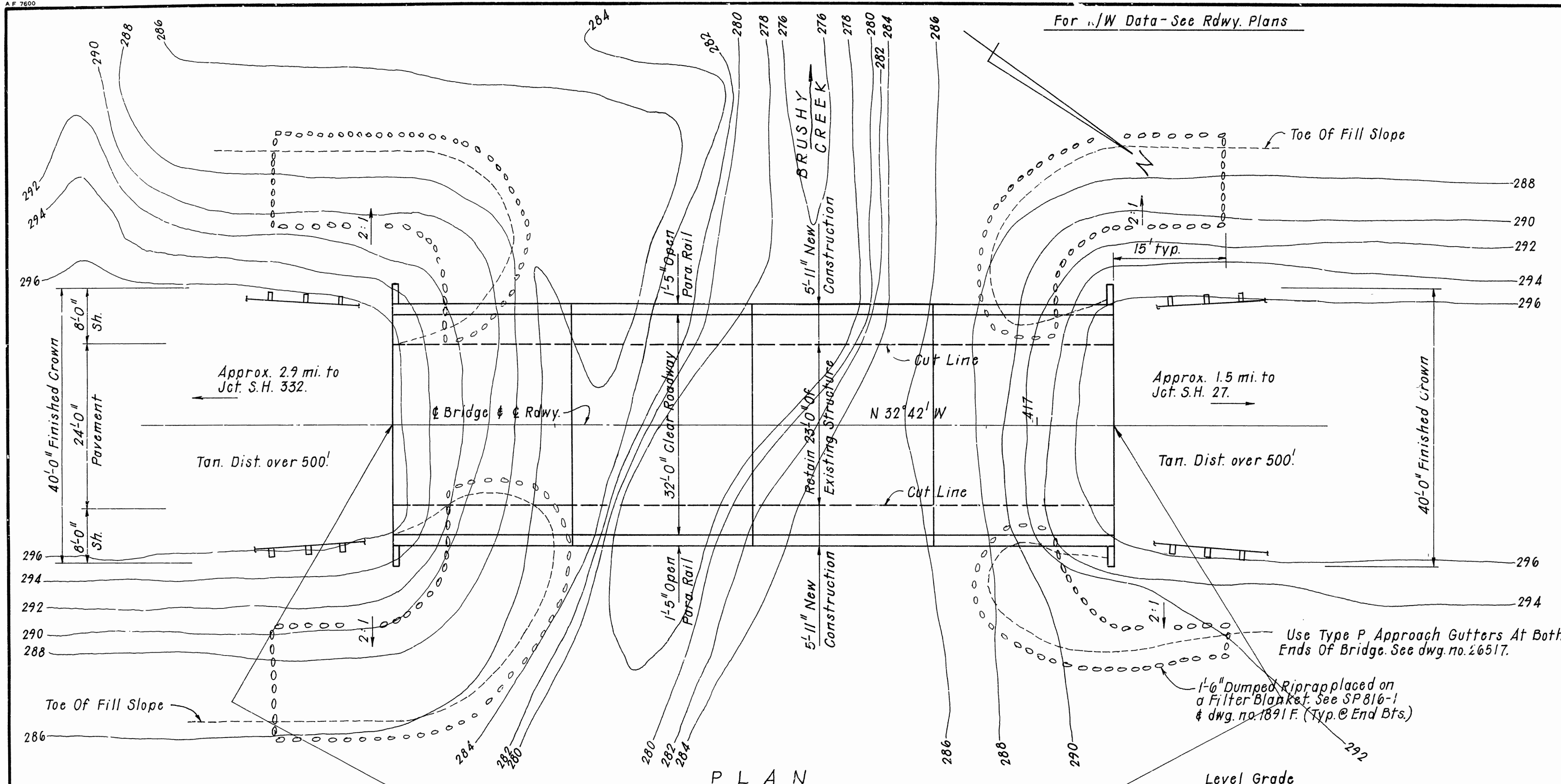
* 16" Oct. Piling Only
** Refers to SP 807-10 & 802-5
*** Refers to SP 802-5

Revised Class S Concrete, Reinforcing Steel, Drilled Shafts, 10-3-84
& Permanent Steel Casing mecl

D.F. LOE
DESIGN SQUAD SUPERVISOR

SCHEDULE OF BRIDGE QUANTITIES
BRUSHY AND MINE CREEKS BRS. & APPRS.
HOWARD COUNTY
ROUTE 355 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.
DRAWN BY: *H. H. D.* DATE: 2-17-84
CHECKED BY: *H. H. D.* DATE: 2-17-84
DESIGNED BY: *F. P. Pinkerton* DATE:
BRIDGE NO. 2928W & 6049
DRAWING NO. 26512



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		3945	11	43
				2928 W	LAYOUT		26513	

GENERAL NOTES

BENCH MARK: CHISELED "D" PAINTED ORANGE 12" RT. CENTERLINE STA. 423+23.60, ELEV. 298.16.

ALL CONCRETE SHALL BE POURED IN THE DRY. ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

ALL PILING SHALL BE 16" OCTAGONAL PRECAST CONCRETE AND SHALL BE DRIVEN WITH AN APPROVED AIR, STEAM, OR DIESEL HAMMER TO A MINIMUM BEARING CAPACITY OF 44 TONS PER PILE. ORDER LENGTH SHOWN; CUT-OFF OR BUILD-UP, WILL BE PAID FOR ACCORDING TO THE STANDARD SPECIFICATIONS. PILE LENGTHS BASED ON PILING DRIVEN IN EXISTING BRIDGE.

PILES IN END BENTS TO BE DRIVEN AFTER EMBANKMENT TO BOTTOM OF CAP IS IN PLACE.

THE WORK CONTEMPLATED CONSISTS OF WIDENING THE EXISTING BRIDGE ON BOTH SIDES OF THE ROADWAY. FOR REQUIREMENTS IN CONDUCTING THE WORK, SEE JOB SPECIAL PROVISION "REMODELING EXISTING BENTS AND SUPERSTRUCTURE."

ALL DIMENSIONS RELATING TO EXISTING BRIDGE ARE TO BE VERIFIED IN THE FIELD AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING WIDENING TO EXISTING STRUCTURE.

PLANS OF THE EXISTING STRUCTURE WILL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST.

DETAIL DRAWINGS:

DETAIL DRAWINGS:	DRAWING NO.
BENTS	26514
SPANS	26515 & 26516
EXCAVATION FOR STRUCTURE	1891F
GUARDRAIL CONNECTION	GR-8A
EMBANKMENT CONSTRUCTION	1888A
TYPE C BRIDGE NAME PLATES	2389A
TEMPORARY PRECAST BARRIERS	1896B
PRECAST CONCRETE PILING	2383
APPROACH GUTTERS	26517
EXISTING STRUCTURE	8454, 5492A, 5492
STAGE CONSTRUCTION SEQUENCE	26516

SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1978 AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1977 WITH INTERIM SPECIFICATIONS.

LIVE LOAD: HS 20 (NEW CONSTRUCTION)

METHOD OF DESIGN: (NEW CONSTRUCTION) LOAD FACTOR

THE PLATE GUARD BRIDGE SHALL BE SALVAGED BY THE CONTRACTOR AND REMAIN THE PROPERTY OF THE STATE.

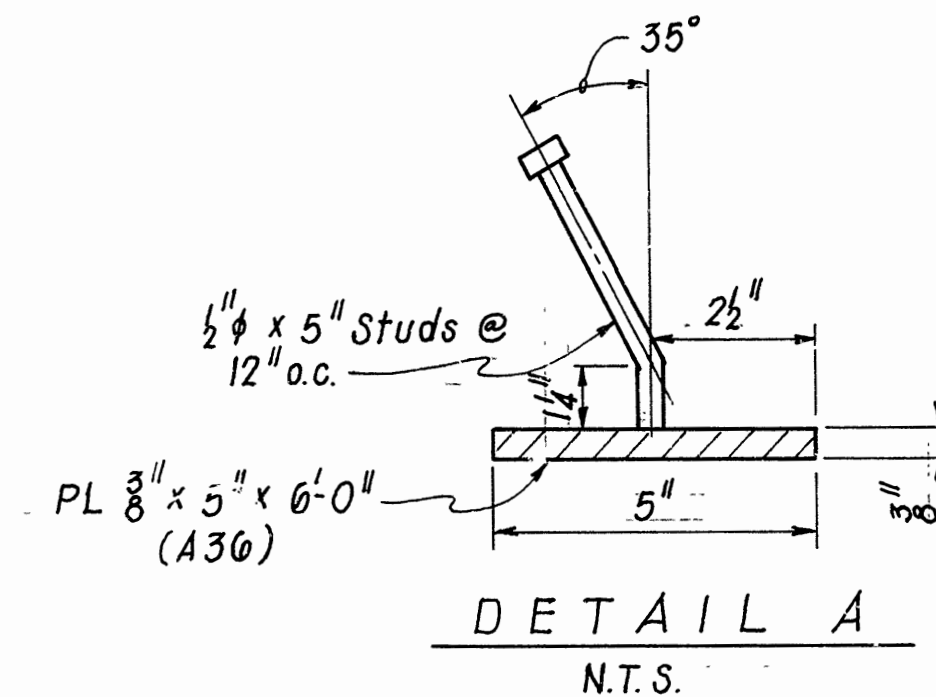
LAYOUT OF BRIDGE OVER
BRUSHY CREEK
BRUSHY AND MINE CREEKS BRS. & APPRS.
HOWARD COUNTY
ROUTE 355 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

BRIDGE NO. 2928W DRAWING NO. 26513

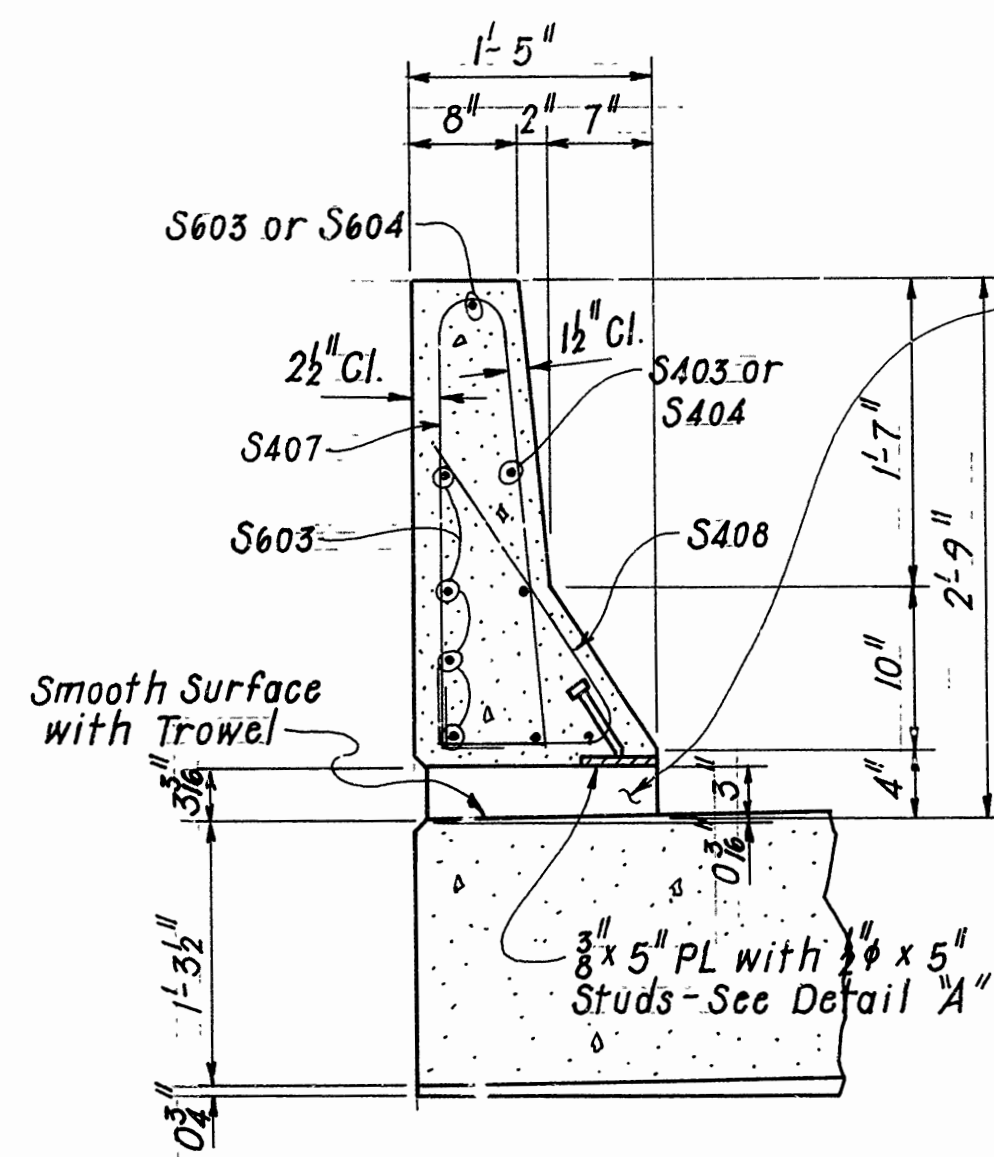
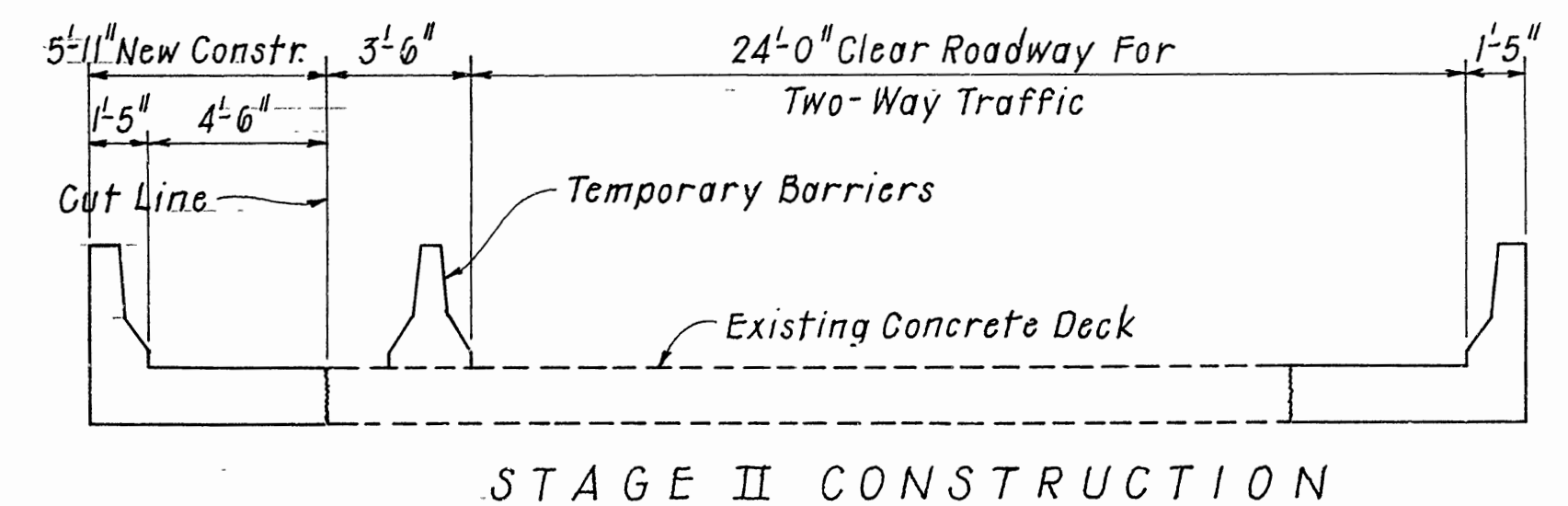
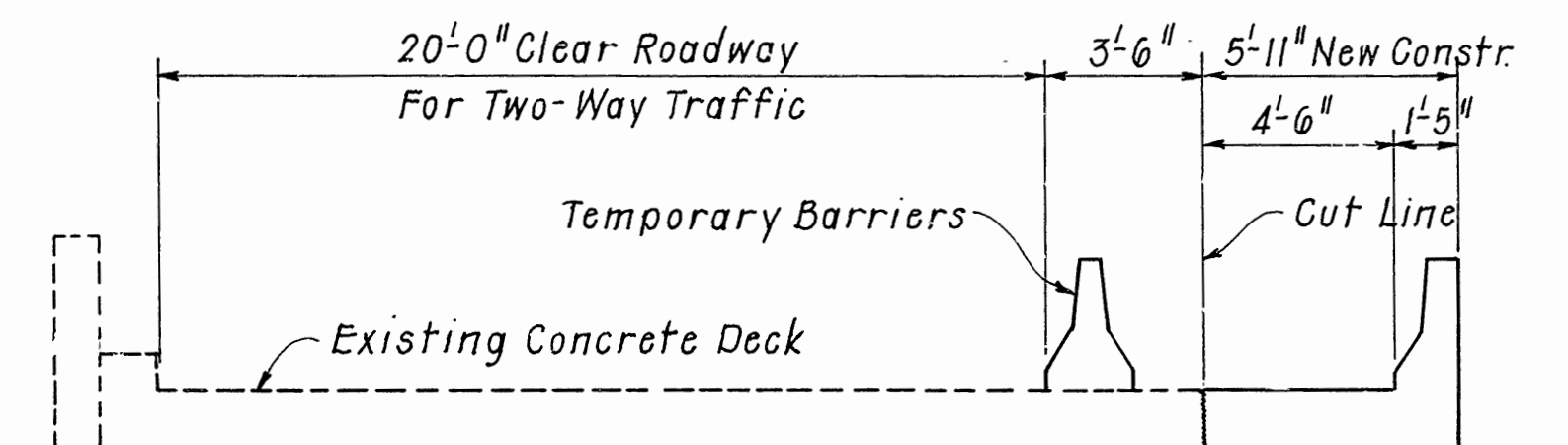
DESIGNED BY: *H. J. P.* DATE: 11-30-83
CHECKED BY: *H. J. P.* DATE: 2-15-84
DESIGNED BY: *M. C. C.* DATE: 11-29-83

SCALE: 1" = 10'

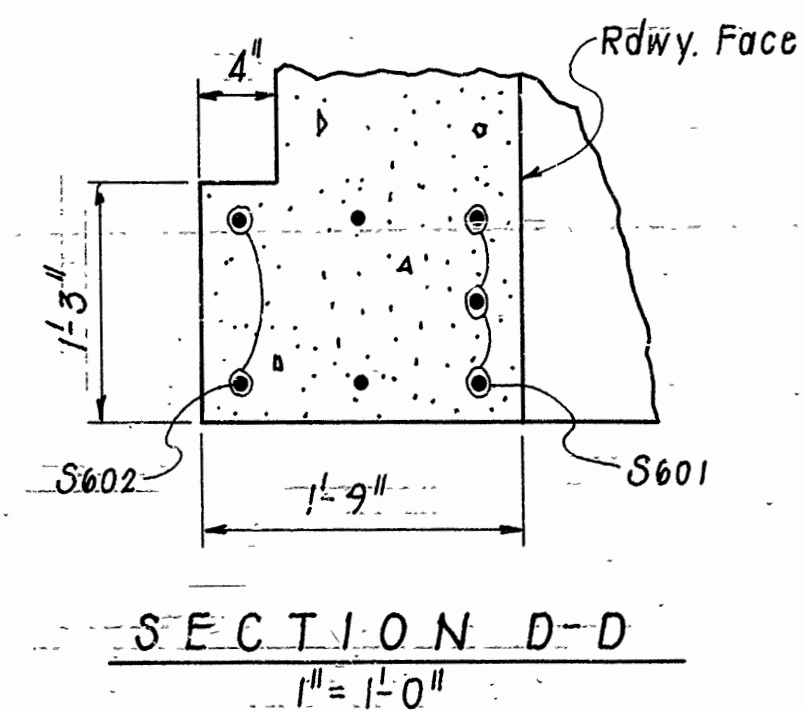
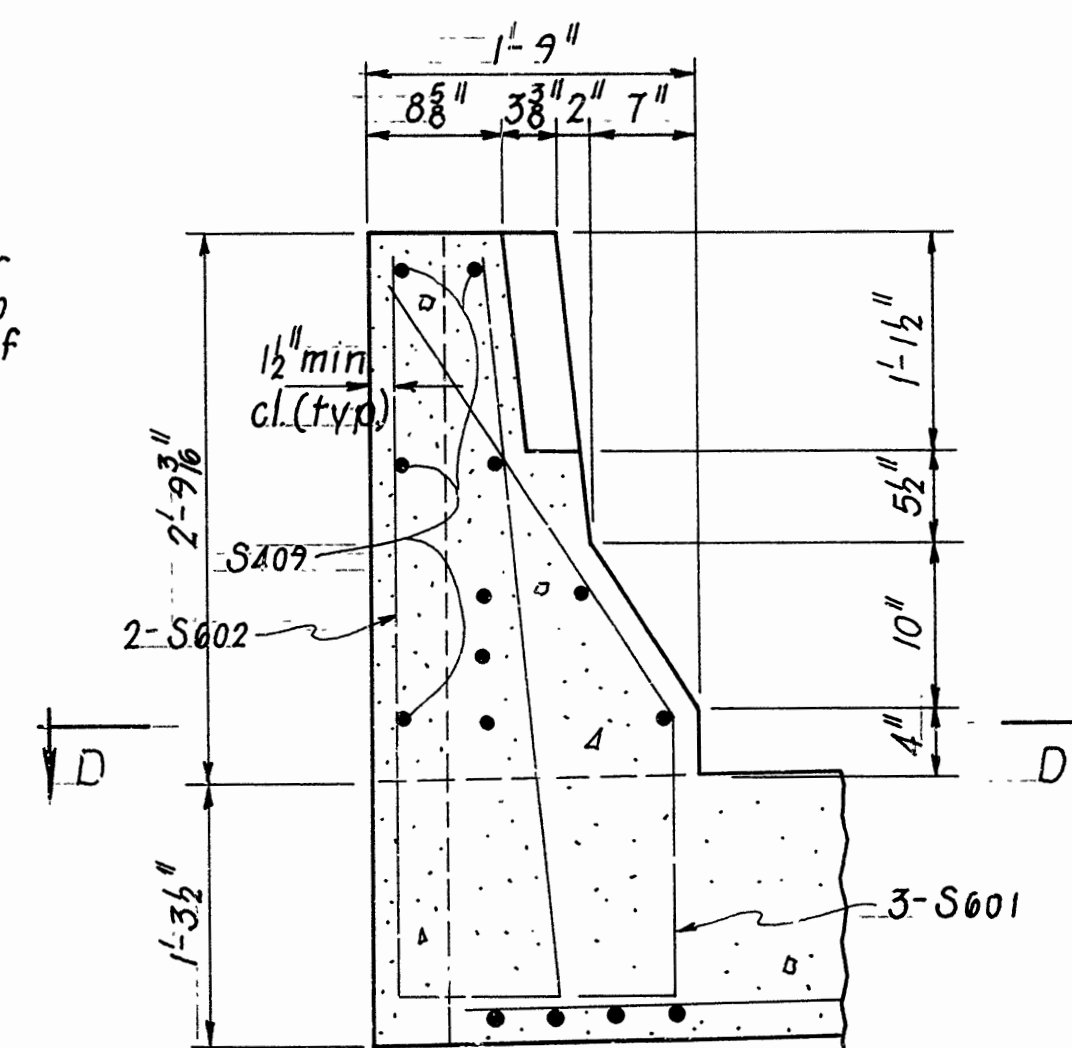
BRIDGE ENGINEER: *W. Pinkerton*

122

Note: The surfaces of the 3/4" Plates which will not be in contact with Concrete shall receive two coats of paint in the Shop. These coats shall be those specified as First Shop Coat and Second Field Coat in Subsection 807.59(a) and 807.59(c) and SP 807-10.



— Note: Drain shall taper from 3" x 6'-0" at curb to 3 $\frac{3}{8}$ " x 6'-0" at back face of Concrete Parapet Rail.

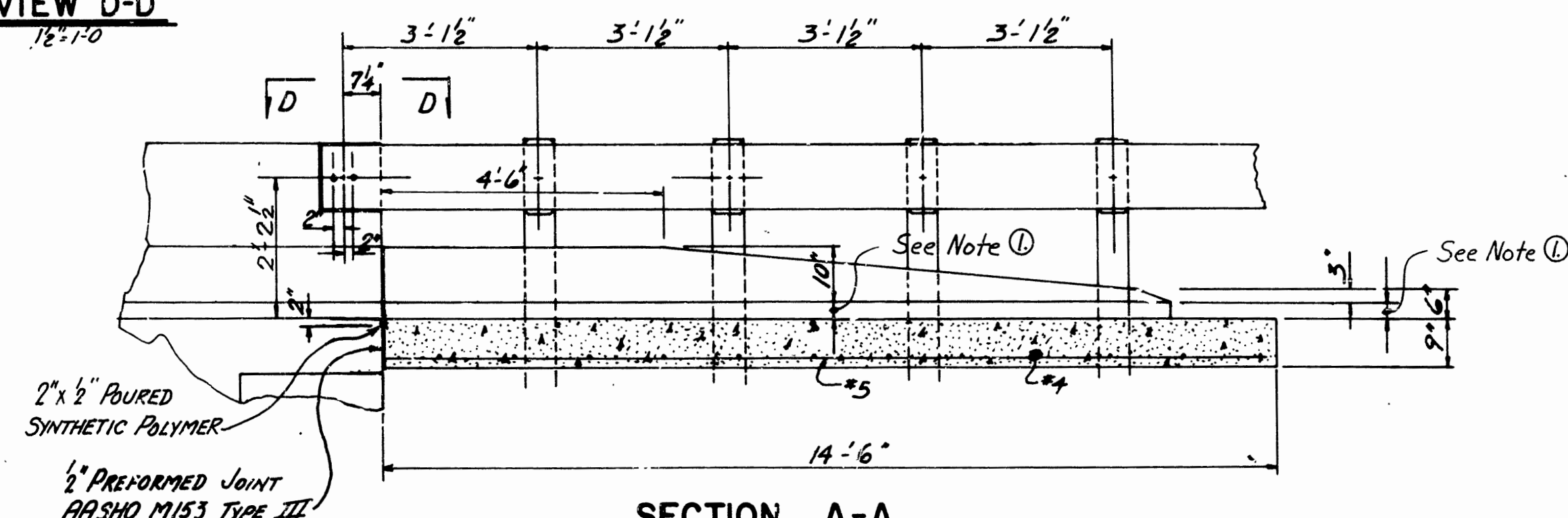


SHEET 2 OF 2
WIDENING DETAILS OF SPANS
BRUSHY CREEK
BRUSHY AND MINE CREEKS BRS. & APPRS.
HOWARD COUNTY
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.
DRAWN BY: H. May DATE: 1-23-84
CHECKED BY: HJD DATE: 2-15-84 SCALE: As shown
DESIGNED BY: mcc DATE: 1-20-84
BRIDGE NO. 2928W DRAWING NO. 26516

- (A) ~~(2)~~ x 8" A-325 High Strength Bolts with 1 $\frac{1}{2}$ " Threads.
 (A) (2) Clipped Hardened Washers.
 (C) (2) Full Hardened Washers.
 (C) (1) 2 $\frac{1}{2}$ " x $\frac{3}{16}$ " x 7" Double Washer.
 (C) 2 Nuts.

VIEW D-D
1 1/2" ± 1-0



SECTION A-A

MARK	NO. REQ'D	LENGTH
*B402	18	2'-4"
*B403	8	3'-0"
B501	8	14'-0"
B502	4	14'-0"
B503	2	4'-3"

*As shown for Square Bridge, x Sec. of angle for Skewed Bridge.

FOR INFORMATION ONLY
APPROX. QUANTITIES SQUARE BRIDGE
TWO GUTTERS

CONCRETE 3.00 Cu Yds.
REINFORCING STEEL 226 Lbs.

APPROACH SLAB NOTES.

CONCRETE IN APPROACH SLABS TO BE CLASS A OR S OR PAVEMENT MIXTURE.

REINFORCING STEEL TO BE ASTM A615 OR A617

APPROACH GUTTERS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR "APPROACH GUTTERS, TYPE P.". THE PRICE BID SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, INCLUDING REINFORCING STEEL, CONCRETE, EXCAVATION AND FORMS AND LABOR TO COMPLETE GUTTERS.

FOR DETAILS OF POSTS, GUARD RAIL AND ATTACHMENT OF GUARD RAIL TO POSTS SEE JOB DETAILS PERTAINING TO THESE ITEMS.

TYPE P APPROACH GUTTERS USED IN CONJUNCTION WITH TYPE L APPROACH SLABS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH BID FOR "APPROACH SLABS AND GUTTERS, TYPE P" WHICH PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, INCLUDING REINFORCING STEEL, CONCRETE, EXCAVATION AND FORMS AND LABOR TO COMPLETE THE SLABS AND GUTTERS.

DETAILS OF STANDARD
TYPE P

APPROACH GUTTERS

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

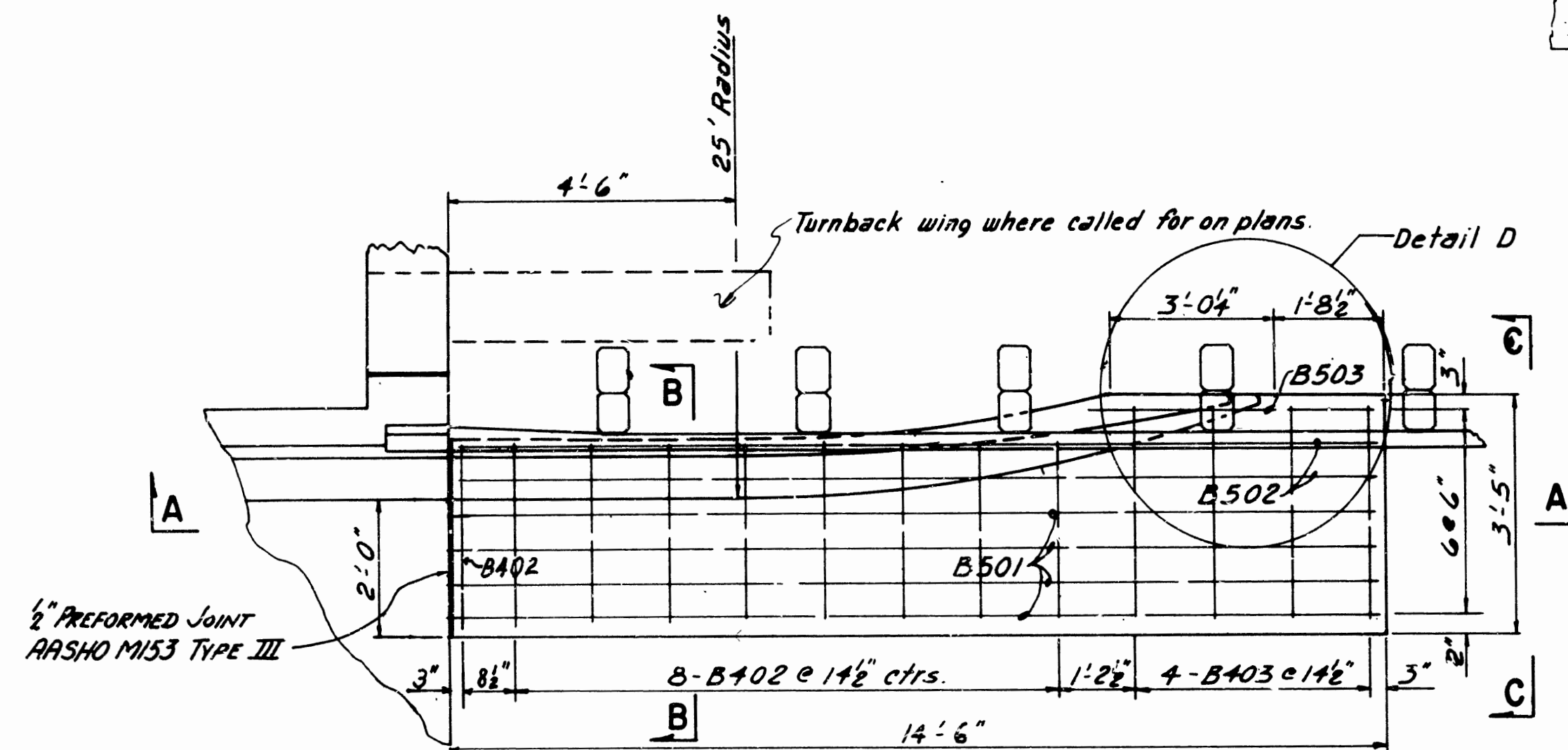
DRAWN BY: W.W.W. DATE: 2-18-71

TRACED BY: _____ DATE: _____
CHECKED BY: FMH DATE: 2-23-71

BRIDGE NO. 2928W

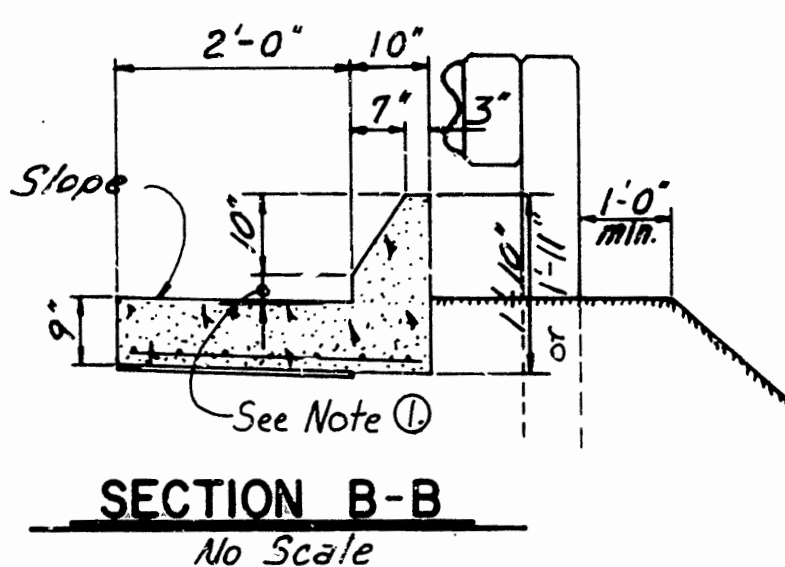
DRAWING NO. 26517

HALF PLAN OF APPROACH GUTTER FOR SQUARE BRIDGE



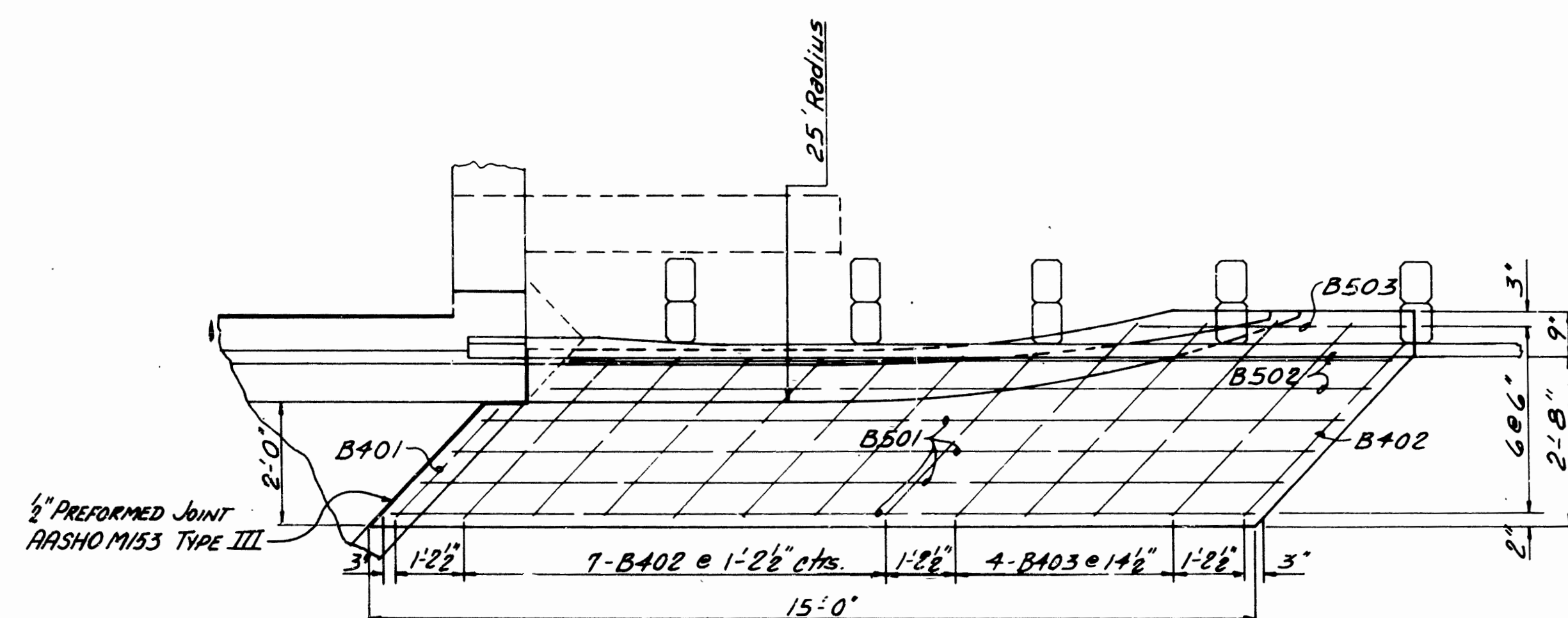
DETAIL D

Match Bridge Deck Slope

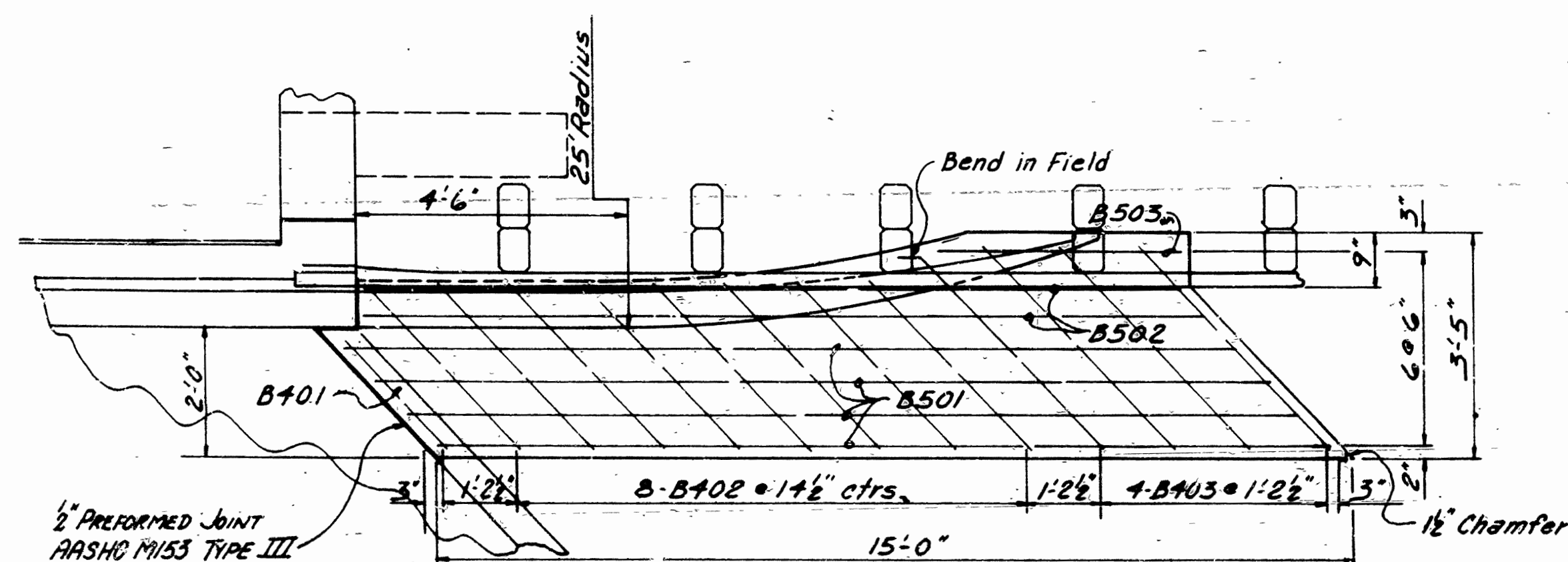


SECTION B-B
No Scale

HALF PLAN OF APPROACH GUTTER FOR LEFT FORWARD SKEW BRIDGE



HALF PLAN OF APPROACH GUTTER FOR RIGHT FORWARD SKEW BRIDGE



VIEW C-C

① 3" or 4" to match Bridge - See Bridge Details