

BRIDGE NO.	CODE NO.	NAME - PLATE TITLE	ITEM NO.	801	SP & 802	SF & 802	SP & 802-9	SF & 803	A SP & 804	SP & 805 (ALT. 1) 805 (ALT. 2)	SP & 806	SP & 806	812	817	SP	SP (ALT. 1) SP (ALT. 2)	SP			
																		UNIT OF BRIDGE	UNCLASSIFIED EXCAVATION FOR STRUCTURES	CLASS S CONCRETE
5320	ARKANSAS RIVER	UNIT OF BRIDGE	UNIT	CU YD	CU YD	CU YD	GAL	LB	LIN. FT	LIN. F	LB	LB	PLATE	CU YD	COMP. ITEM	LIN. FT	COMP. ITEM			
			FNL BENT 1	131			1.0	2,200	222			2,200			21.50					
			INT BENT 2	172		0														
			INT BENT 3	610																
			INT BENT 4	320							1,392									
			FND BENT 24				1.0						320							
			UNIT I				90.5	277,800	715			3,173,300	399,450					386		
			UNIT II				201.0	282,800	1,545			2,255,640	1,321,200					791		
			UNIT III				161.5	225,000	1,271			2,043,380	975,000					634		
			UNIT IV				278.3	311,800	2,197			3,034,740	3,740,000					1,097	1	
			UNIT V				161.5	225,000	1,271			2,043,380	975,000					634		
			UNIT VI				212.9	293,200	1,680			2,716,780	1,610,000					833		
			UNIT VII				152.1	214,300	1,241			2,033,370	685,000					619		
			TOTALS				1,233	751.70	# 14,076.10	1262.8	3,980,470	1,491	9,960	17,139,640	9,705,420	1	21.50	1	4,970	1

NOTE: THIS PROJECT IS DESIGNED AND DETAILED TO USE CONVENTIONAL REMOVABLE FORMING FOR THE BRIDGE DECK SLAB. NO PROPOSAL FOR THE USE OF PERMANENT METAL FORMS WILL BE CONSIDERED BY THE DEPARTMENT UNLESS IT CONFORMS IN ALL RESPECTS WITH THE FEDERAL HIGHWAY ADMINISTRATION REGULATIONS INCLUDING CREDIT OF 20¢ PER SQUARE FOOT AS SPECIFIED IN BPR CIRCULAR MEMORANDUM DATED AUGUST 19, 1969.

CLEARING & GRUBBING

LOCATION	STATION	STATION	PRESERVED VEGETATION	CLEARING	GRUBBING
ACRES					
	549+00	553+25	0.19	1.47	1.00
TOTAL			0.19	1.47	1.00

USE 2 1

EROSION CONTROL

STATION	STATION	LOCATION	SOD MULCH	WATER FOR GRASS	LIME	OVERSEEDING SOD MULCH	MULCH COVER
			C.Y.	M. GAL	TON	ACRE	
549+00	550+53.17	LEFT OF MAIN LANES	86.7	8.19	0.34	0.17	0.17
TOTAL			86.7	8.2	0.34	0.17	0.17

USE 87 8 1 1 1
BASIS OF ESTIMATE SOD MULCH: 85 SQ. FT. = 1 CU. YD.
WATER FOR GRASS: 10 GAL. PER SQ. YD.
LIME: 2 TONS PER ACRE

EARTHWORK

STATION	STATION	LOCATION	UNCL. EXC.	EMBK. MATERIAL	SPECIAL COMP. OF EARTHW'K
CU. YDS.					
549+00	550+53.17	1:450 MAIN LANES	17,729	7,126	16,209
TOTAL			17,729	7,126	16,209

NOTE: QUANTITIES ARE BASED ON 20% SHRINKAGE IN EMBANKMENT AND 25% SWELL IN ROCK EXCAVATION.

CONCRETE DITCH PAVING, SOLID SODDING

LOCATION	STATION	STATION	LENGTH LIN. FT.	CONC. DITCH PAVING			SOLID SODDING		
				AVERAGE WIDTH FT.	'V' SQ. YDS.	FLAT BOTTOM FT.	AVERAGE WIDTH FT.	SQ. YDS.	WATER FOR GRASS M. GAL.
LEFT OF MAIN LANES (STRIPS)	549+00	550+53.17					3.0	175.7	1.76
RIGHT OF MAIN LANES	549+00	552+60					11.0	416.8	4.17
AROUND BRIDGE ENDS	550+53.17	551+25					VARIES	179.4	1.79
LEFT OF MAIN LANES	549+00	552+60	387	9.0		344.0	3.0	178.3	1.78
LEFT OF MAIN LANES	549+00	551+15	239	4.0		106.2	3.0	79.7	0.80
RIGHT OF MAIN LANES	549+00	550+53.17	170	8.0		151.0			
RIGHT OF MAIN LANES	549+00	552+35	341	6.0	227.3		11.0	416.8	4.17
UNDER BRIDGE	550+53.17	551+15 LT	155	4.0		68.9			
UNDER BRIDGE	550+53.17	552+60 LT	80	4.0		35.6	6.0	58.3	0.53
TOTAL			1,372		227.3	706.7		1,500.00	15.00

USE 1,372 227 706 1,500 15
BASIS OF ESTIMATE WATER FOR GRASS: 10 GAL. PER SQ. YD.

RETAINING WALL

STATION	STATION	LOCATION	CLASS'S CONCRETE	REINF. STEEL	UNCL. EXC. FOR STR.
			CU YD	LB	CU YD
549+09.62	551+19.81	LEFT OF MAIN LANES	220.94	94,460	4238.23
TOTAL			220.94	94,460	4238.23
USE			722.90		1209

ROADWAY & BRIDGE QUANTITIES
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

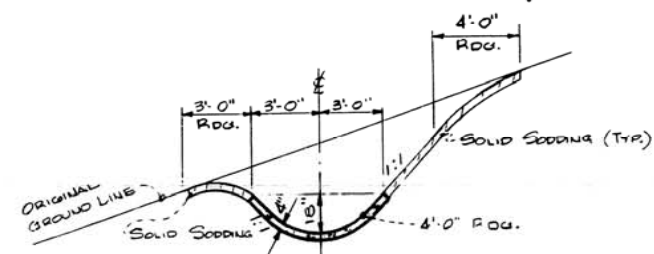
DRAWN BY: DGG DATE: 8/71
TRACED BY: DATE: 9/71
CHECKED BY: DEM DATE: 9/71
BRIDGE NO. 5320
DRAWING NO. 17406

Revised 11-12-71

BRIDGE ENGINEER

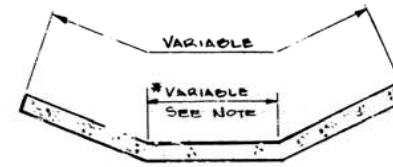
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90113)		6	78
				JOB NO. 6852					

① ② Drainage System 17407



SECTION A-A

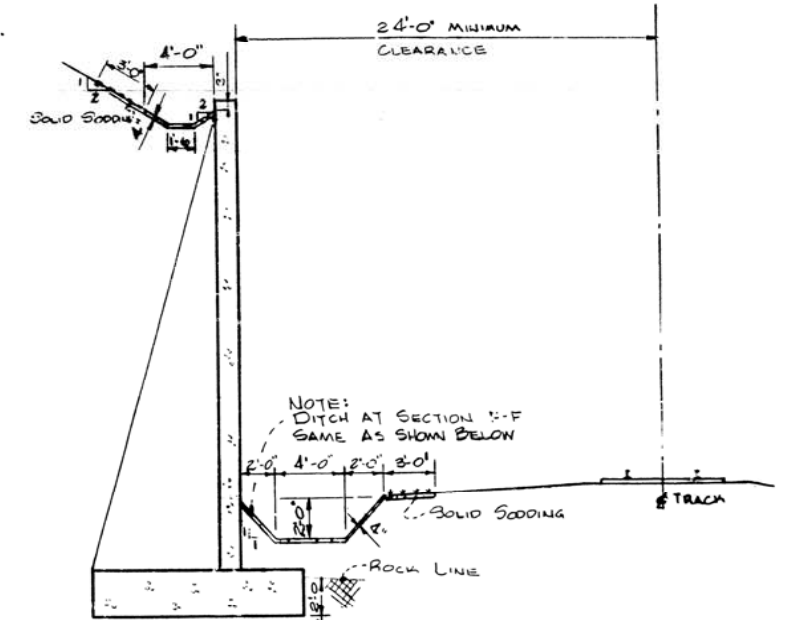
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SECTION B-B & C-C

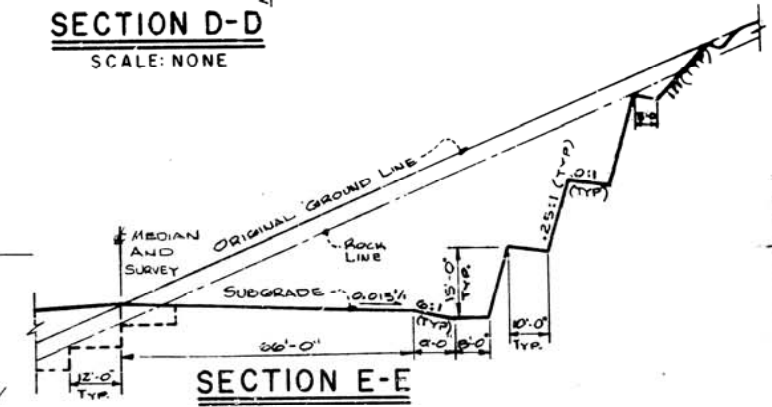
SCALE: NONE

NOTE:
* SECTION B-B: 0'-0"
* SECTION C-C: 4'-0"



SECTION D-D

SCALE: NONE

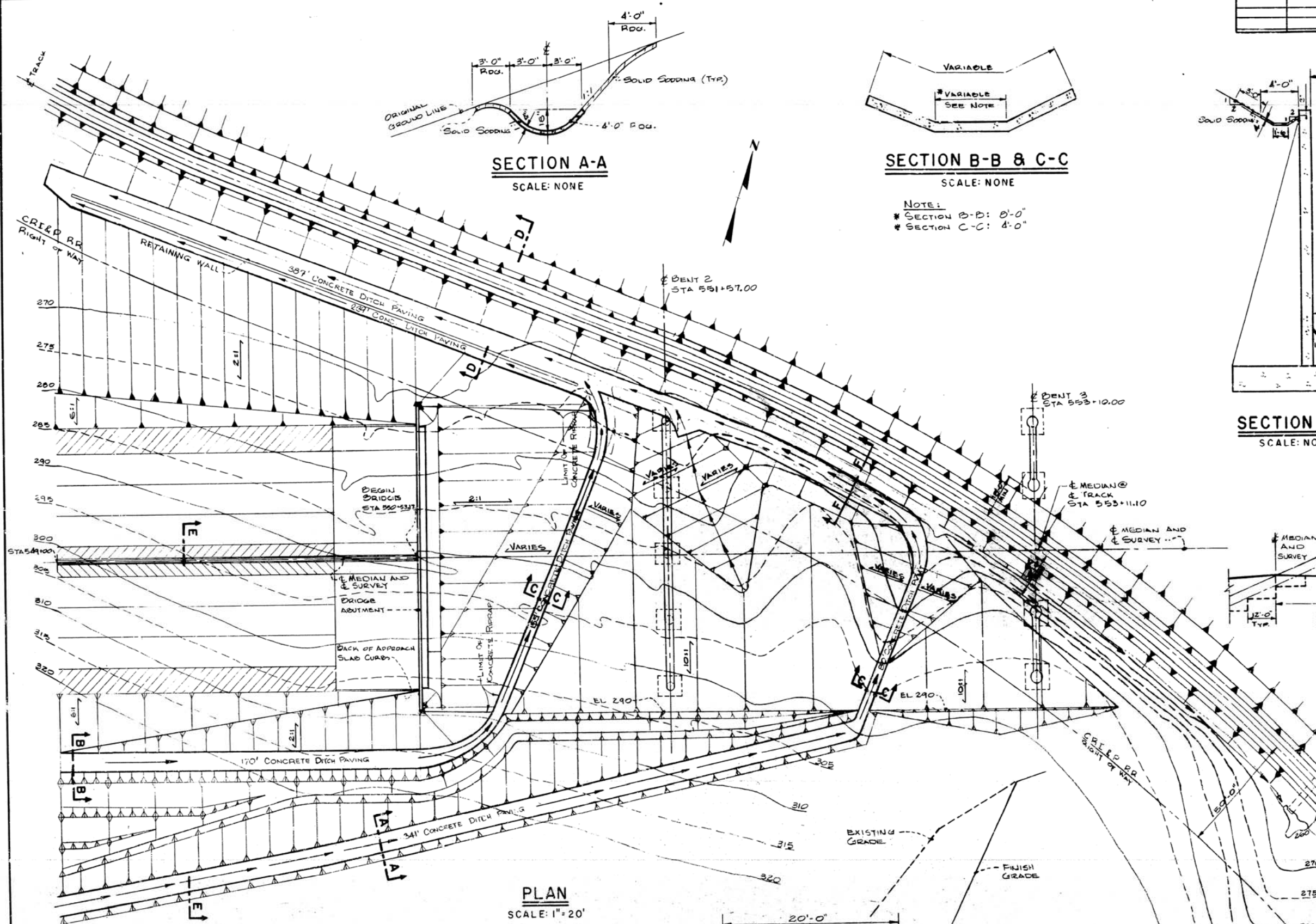


SECTION E-E

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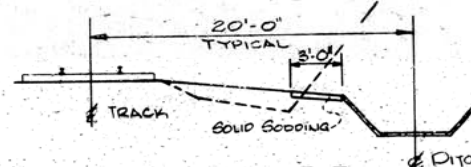
NOTES:
THIS DRAWING ILLUSTRATES THE GENERAL FEATURES OF THE DRAINAGE SYSTEM. ADJUSTMENT OF GRADES AND DITCHES TO FIT SITE CONDITIONS ARE TO BE MADE BY THE ENGINEER.

- ▲ INDICATES EMBANKMENT
- △ INDICATES CUT



PLAN

SCALE: 1"=20'



SECTION F-F

SCALE: NONE

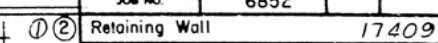
NOTE: SEE SECTION D-D FOR DITCH DIMENSIONS

DRAINAGE SYSTEM
BEGINNING OF BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: J.P.F. DATE: 3-5-70
TRACED BY: HGF DATE: 3-5-70
CHECKED BY: HGF DATE: 3-5-70
BRIDGE NO. 5320
DRAWING NO. 17407

REVISED 7-7-70 HGF

BRIDGE ENGINEER

149

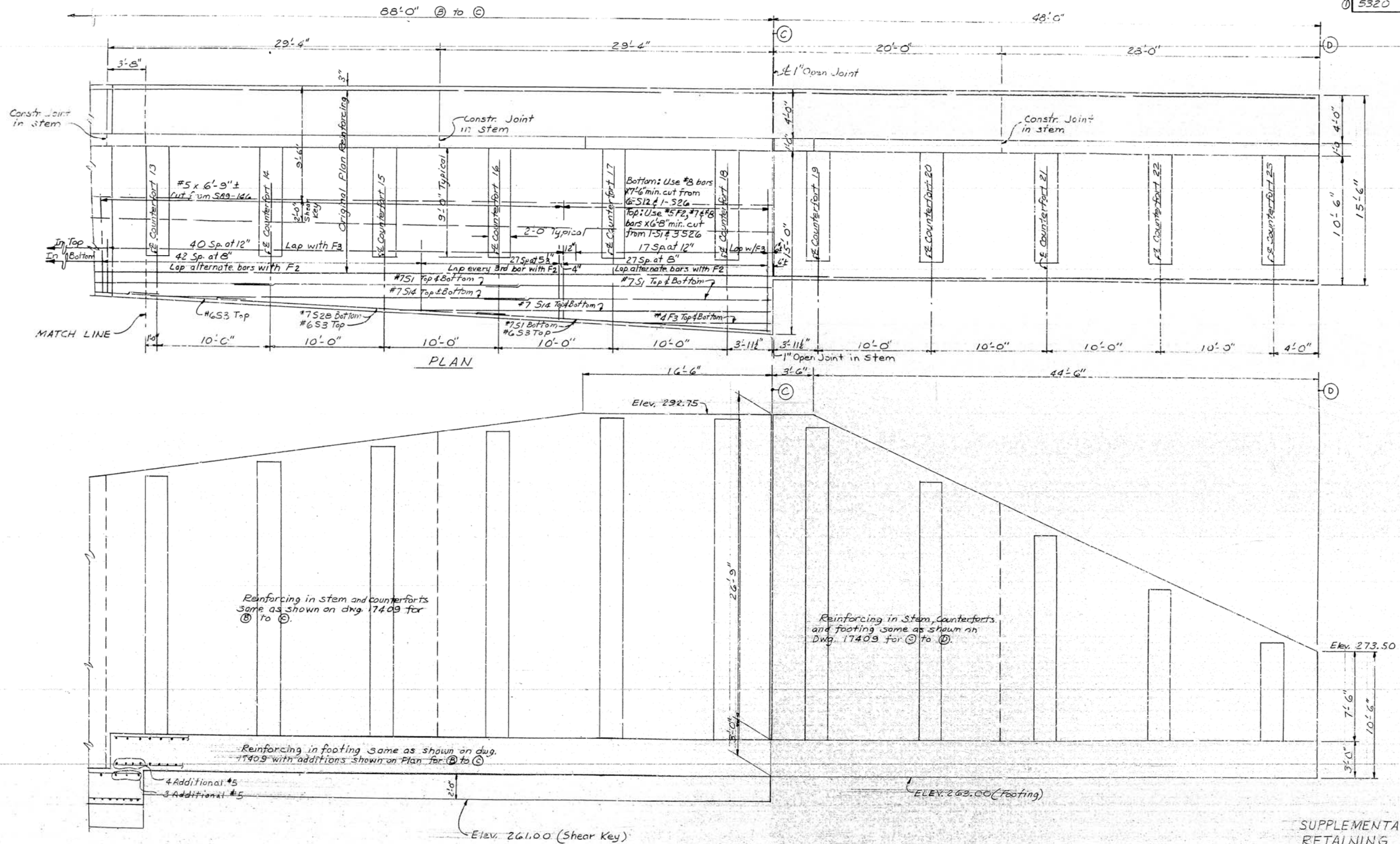
PLAN



RETAINING WALL
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.	
DRAWN BY: C.B.	DATE: 11/8/70
TRACED BY:	DATE:
CHECKED BY: DEM	DATE: 2/71
SCALE: 1/4" = 1'-0"	
BRIGHTON ENGINEERING CO. DWG 17409	

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	145-1		7A	
				JOB NO.		5320 RETAIN WALL - 17409A			



SUPPLEMENTAL DETAILS
RETAINING WALL

INT. ROUTE 430 SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: FH DATE: 11-10-71
TRACED BY: DATE:
CHECKED BY: LDF DATE: 11-12-71

BRIDGE NO.

DRAWING NO. 17409A

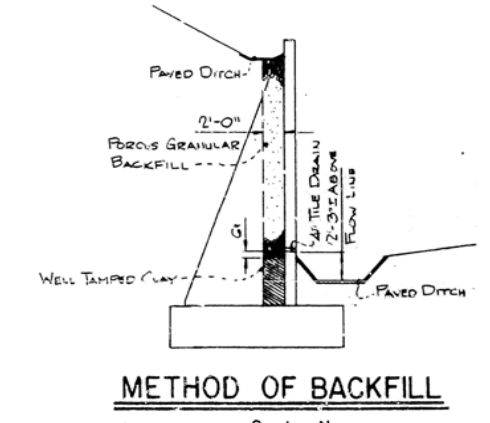
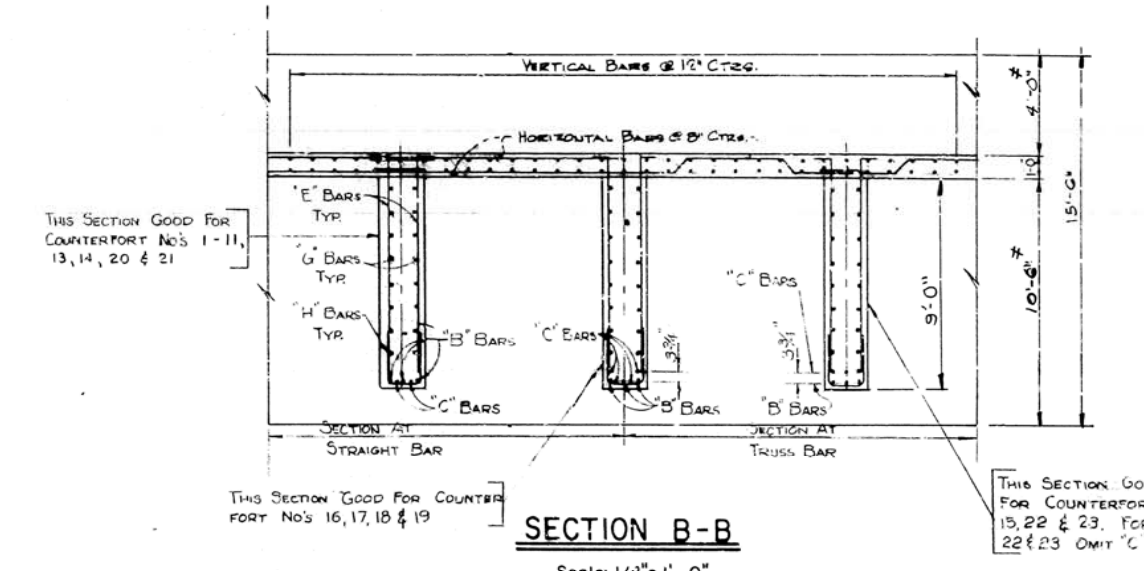
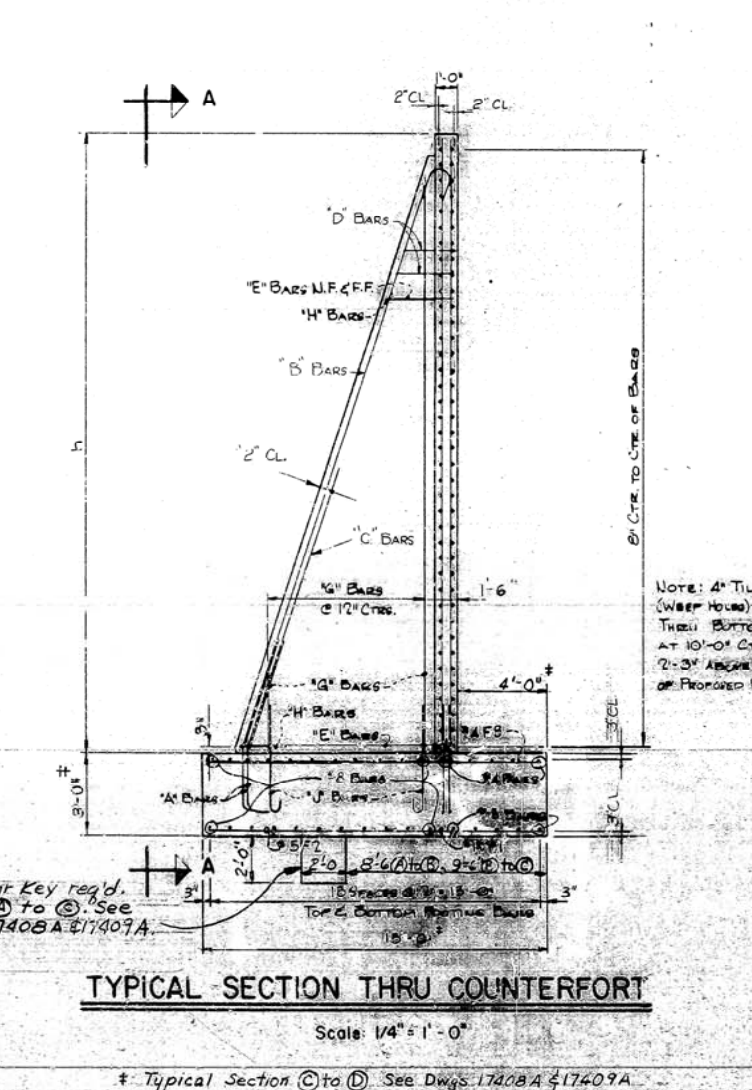
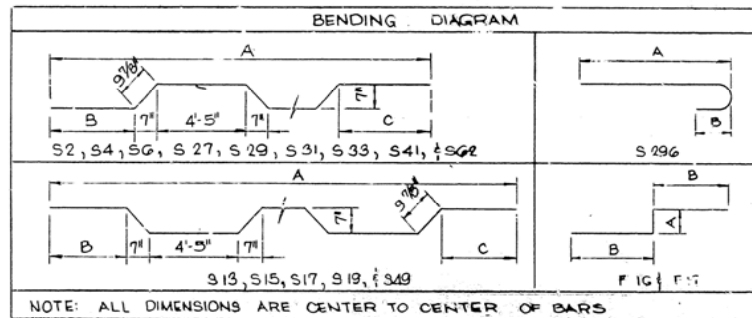
Ward Pinkerton
BRIDGE ENGINEER

SCALE: 4"=1'-0"

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
11-10-71	880-12-1-71			6	ARK.	1-430-2 (901)38		10	78
				JOB NO.		6852			
				① ② Retaining Wall		17410			

MARK	SIZE	NO. REQD.	LENGTH	A	B	C	FIN. DIA.
S1	7	34	25'-0"				Str.
S2	7	15	26'-0"	25'-4"	1'-0"	3'-8"	5 1/4"
S3	6	32	25'-0"	25'-4"	1'-0"	3'-8"	Str.
S4	6	14	26'-0"	25'-4"	1'-0"	3'-8"	4 1/2"
S5	4	16	25'-0"	25'-4"	1'-0"	3'-8"	Str.
S6	4	6	26'-0"	25'-4"	1'-0"	3'-8"	3"
S7	4	1	21'-0"				Str.
S8	4	2	17'-10"				Str.
S9	4	6	12'-10"				Str.
S10	4	1	10'-10"				Str.
S11	4	2	7'-8"				Str.
S12	8	6	34'-4"	34'-4"	3'-8"	5'-0"	8"
S13	8	3	33'-9"	33'-2"	3'-8"	3'-8"	8"
S14	7	15	33'-2"	33'-2"	3'-8"	3'-8"	5 1/4"
S15	7	9	34'-7"	33'-2"	3'-8"	3'-8"	Str.
S16	6	20	33'-2"	33'-2"	3'-8"	3'-8"	4 1/2"
S17	6	10	34'-7"	33'-2"	3'-8"	3'-8"	3"
S18	4	6	33'-2"	33'-2"	3'-8"	3'-8"	Str.
S19	4	4	34'-7"	33'-2"	3'-8"	3'-8"	Str.
S20	4	2	32'-10"				Str.
S21	4	7	30'-8"				Str.
S22	4	1	27'-9"				Str.
S23	4	2	22'-8"				Str.
S24	4	1	20'-5"				Str.
S25	4	1	10'-3"				Str.
S26	8	14	35'-5"	35'-5"	3'-8"	1'-0"	8"
S27	8	8	37'-1"	35'-5"	3'-8"	1'-0"	Str.
S28	7	20	35'-5"	35'-5"	3'-8"	1'-0"	5 1/4"
S29	7	10	37'-1"	35'-5"	3'-8"	1'-0"	Str.
S30	6	20	35'-5"	35'-5"	3'-8"	1'-0"	4 1/2"
S31	6	9	37'-1"	35'-5"	3'-8"	1'-0"	Str.
S32	4	10	35'-5"	35'-5"	3'-8"	1'-0"	3"
S33	4	4	37'-1"	35'-5"	3'-8"	1'-0"	Str.
S34 to S39	4	12 (2 ea.)	29'-0" to 31'-7" (5'-1" incr.)				Str.
S40	8	6	29'-8"	29'-8"	1'-0"	3'-11"	8"
S41	8	2	31'-1"	29'-8"	1'-0"	3'-11"	Str.
S42	4	2	18'-10"				Str.
S43	4	1	16'-9"				Str.
S44	4	1	13'-9"				Str.
S45	4	2	8'-8"				Str.
S46	4	3	6'-8"				Str.
S47	4	3	3'-7"				Str.
S48	8	6	33'-2"	33'-2"	3'-8"	3'-11"	8"
S49	8	3	34'-7"	33'-2"	3'-8"	3'-11"	6"
S50	4	2	28'-6"				Str.
S51	4	1	24'-7"				Str.
S52	4	1	23'-5"				Str.
S53	4	2	18'-4"				Str.
S54	4	3	14'-5"				Str.
S55	4	1	13'-3"				Str.
S56	4	4	8'-2"				Str.
S57 to S60	4	8 (2 ea.)	35'-0" to 19'-9" (5'-1" incr.)				Str.
S61	8	10	25'-3"	25'-3"	1'-0"	3'-11"	8"
S62	8	5	26'-5"	25'-3"	1'-0"	3'-11"	Str.
S63 to S67	6	10 (2 ea.)	24'-3" to 18'-0" (1'-7" incr.)				Str.
S68 to S76	4	18 (2 ea.)	16'-8" to 4'-0" (1'-7" incr.)				Str.
S77	6	1	26'-7"				Str.
S78	6	2	23'-7"				Str.
S79	6	2	22'-0"				Str.
S80	6	2	20'-5"				Str.
S81	6	2	18'-10"				Str.
S82	6	1	17'-3"				Str.
S83	6	2	15'-11"				Str.
S84	4	1	17'-4"				Str.
S85	4	2	11'-3"				Str.
S86	4	2	9'-9"				Str.
S87	4	1	5'-11"				Str.
S88	4	4	34'-10"				Str.
S89	8	2	15'-10"				Str.
S90 to S144	5	114 (2 ea.)	13'-11" to 21'-2" (1 9/16" a incr.)				Str.
S145 to S176	5	60 (2 ea.)	18'-10" to 22'-7" (1 9/16" a incr.)				Str.
S177	5	2	22'-8"				Str.
S178	5	2	19'-9"				Str.
S179 to S208	5	60 (2 ea.)	19'-11" to 23'-8" (1 9/16" a incr.)				Str.
S209 to S249	5	82 (2 ea.)	20'-9" to 26'-0" (1 9/16" a incr.)				Str.
S250	5	42	26'-1"				Str.
S251 to S284	5	80 (2 ea.)	25'-10" to 7'-3" (5 3/16" a incr.)				Str.
S285	5	2	6'-11"				Str.
S286	5	2	5'-3"				Str.

MARK	SIZE	NO. REQD.	LENGTH	A	B	FIN. DIA.
F1	10	349	9'-5"			Str.
F2	5	177	9'-5"			Str.
F3	4	233	19'-0"			Str.
F4	4	15	30'-7"			Str.
F5	5	5	23'-0"			Str.
F6	5	5	37'-3"			Str.
F7	4	5	33'-4"			Str.
F8	5	5	33'-4"			Str.
F9	8	22	33'-4"			Str.
F10	4	5	32'-5"			Str.
F11	5	5	32'-5"			Str.
F12	8	22	32'-5"			Str.
F13	4	10	29'-7"			Str.
F14	5	10	34'-10"			Str.
F15	8	22	29'-7"			Str.
F16	5	32	9'-7"	5'-9"	2'-1"	1 3/4"
F17	5	64	10'-1"	5'-11"	2'-1"	1 3/4"
F18	8	11	25'-5"			Str.
F19	8	11	37'-5"			Str.
F20	4	5	20'-3"			Str.
F21	8	11	20'-3"			Str.
F22	8	33	30'-7"			Str.
F23	5	5	40'-1"			Str.
F24	8	22	34'-10"			Str.
F25	8	11	40'-1"			Str.



- NOTES:
1. ALL CONCRETE TO BE CLASS "5". ALL EXPOSED CORNERS TO BE CHAMFERED 3/4".
 2. CONSTRUCTION JOINTS SHALL BE HORIZONTAL OR AS SHOWN AND SHALL BE PROVIDED WITH KEYS NOT LESS THAN THREE (3) INCHES HIGH, COVERING THE MIDDLE HALF OF BOTH DIMENSIONS.
 3. REINFORCING STEEL SHALL BE DEFORMED BARS OF INTERMEDIATE OR HARD GRADE. SHOP LISTS AND BENDING DIAGRAMS SHALL BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.
 4. POROUS AND CLAY BACKFILL SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE ITEM "EMBANKMENT MATERIAL".
 5. TILE DRAINS AND PERFORATED JOINT SEALER TO BE INCIDENTAL TO THIS ITEM "CLASS '5' CONCRETE".
 6. ALL BARS TO BE LAPPED 40-BAR DIAMETERS.
 7. ROCK SHALL BE EXCAVATED TO THE NEAR LINES OF THE FOUNDATION. ROCK FACE SHALL BE CLEANED BEFORE THE POURING OF THE CONCRETE.

RETAINING WALL
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: C.S. DATE: 1/20/70
TRACED BY: DATE:
CHECKED BY: D.E.M. DATE: 2/7/71

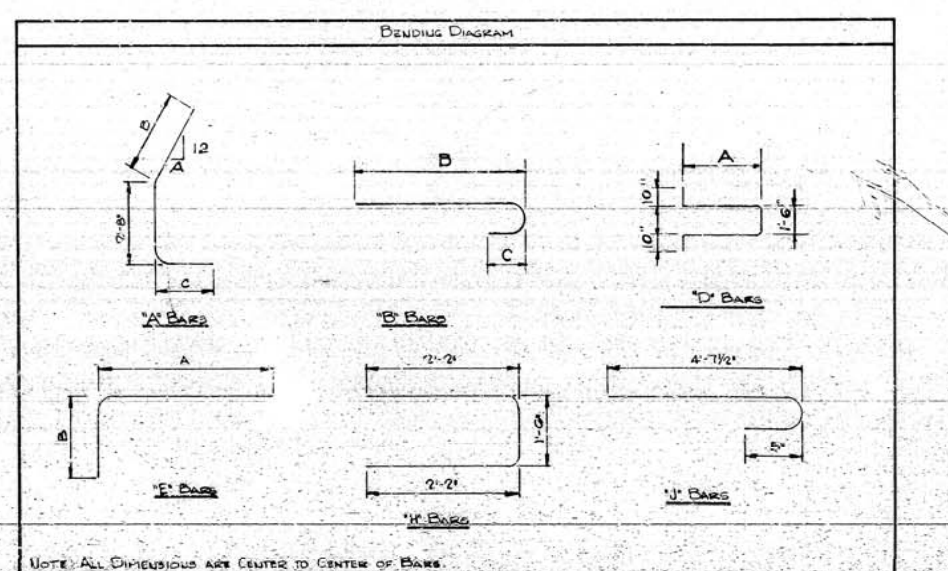
SCALE: AS SHOWN

BRIGHTON ENGINEERING CO. DWG. 17410

MARK	SIZE	NO. REQD.	LENGTH	A	B	C	PIN DIA.	COUNTER-FORT NO.
A1	7	5	6'-10"	7 1/2	2'-11"	1'-3"	5 1/4"	1
A2	7	5	6'-10"	6 7/8	2'-11"	1'-3"	5 1/4"	2
A3	8	5	7'-5"	6 3/8	3'-4"	1'-5"	8"	3
A4	9	5	8'-1"	6	3'-10"	1'-7"	9"	4
A5	10	5	8'-9"	5 1/2	4'-3"	1'-10"	10"	5
A6	10	5	8'-9"	5 1/8	4'-3"	1'-10"	10"	6
A7	10	5	8'-9"	5 1/2	4'-3"	1'-10"	10"	7
A8	10	5	8'-9"	5 1/8	4'-3"	1'-10"	10"	8
A9	11	5	9'-6"	4 7/8	4'-9"	2'-1"	11 1/4"	9
A10	10	5	8'-9"	5 3/8	4'-3"	1'-10"	10"	10
A11	11	5	9'-6"	5	4'-9"	2'-1"	11 1/4"	11
A12	11	6	9'-6"	4 3/4	4'-9"	2'-1"	11 1/4"	12
A13	11	5	9'-6"	5 1/8	4'-9"	2'-1"	11 1/4"	13
A14	11	5	9'-6"	4 3/4	4'-9"	2'-1"	11 1/4"	14
A15	11	6	9'-6"	4 1/2	4'-9"	2'-1"	11 1/4"	15
A16	11	7	9'-6"	4 1/4	4'-9"	2'-1"	11 1/4"	16
A17	11	14	9'-6"	4 1/8	4'-9"	2'-1"	11 1/4"	17 & 18
A18	11	7	9'-6"	4 1/4	4'-9"	2'-1"	11 1/4"	19
A19	11	5	9'-6"	5 1/8	4'-9"	2'-1"	11 1/4"	20
A20	8	5	7'-5"	6 3/8	3'-4"	1'-5"	8"	21
A21	10	5	8'-10"	6 5/8	3'-11"	1'-9"	5 1/4"	22
A22	5	3	5'-7"	13 1/8	2'-1"	10"	3 3/4"	23
B1	7	3	17'-1"		16'-3"	7"	5 1/4"	1
B2	7	3	18'-1"		17'-3"	7"	5 1/4"	2
B3	8	3	19'-7"		18'-6"	9"	8"	3
B4	9	3	20'-9"		19'-8"	10"	9"	4
B5	10	3	22'-1"		20'-8"	11"	10"	5
B6	10	3	23'-4"		21'-11"	11"	10"	6
B7	10	3	22'-5"		21'-0"	11"	10"	7
B8	10	3	23'-8"		22'-1"	11"	10"	8
B9	11	3	24'-9"		23'-2"	11"	11 1/4"	9
B10	10	3	22'-10"		21'-5"	11"	10"	10
B11	11	3	24'-2"		22'-7"	11"	11 1/4"	11
B12	11	3	25'-6"		23'-11"	11"	11 1/4"	12
B13	11	3	23'-10"		23'-3"	11"	11 1/4"	13
B14	11	3	25'-0"		23'-5"	11"	11 1/4"	14
B15	11	3	26'-2"		24'-7"	11"	11 1/4"	15
B16	11	3	27'-6"		25'-11"	11"	11 1/4"	16
B17	11	6	28'-7"		27'-0"	11"	11 1/4"	17 & 18
B18	11	3	27'-9"		26'-2"	11"	11 1/4"	19
B19	11	3	23'-10"		22'-3"	11"	11 1/4"	20
B20	8	3	19'-5"		18'-4"	9"	8"	21
B21	7	3	15'-5"		14'-8"	7"	5 1/4"	22
B22	5	3	12'-0"		11'-5"	5"	3 3/4"	23
C1	7	2	8'-6"				Str.	1
C2	7	2	9'-0"				Str.	2
C3	8	2	9'-6"				Str.	3
C4	9	2	10'-0"				Str.	4
C5	10	2	10'-9"				Str.	5
C6	10	2	11'-3"				Str.	6
C7	10	2	10'-9"				Str.	7
C8	10	2	11'-5"				Str.	8
C9	11	2	12'-0"				Str.	9
C10	10	2	11'-3"				Str.	10
C11	11	2	11'-9"				Str.	11
C12	11	3	12'-3"				Str.	12
C13	11	2	11'-5"				Str.	13
C14	11	2	12'-3"				Str.	14
C15	11	3	12'-8"				Str.	15
C16	11	4	13'-3"				Str.	16
C17	11	8	13'-10"				Str.	17 & 18
C18	11	4	13'-7"				Str.	19
C19	11	2	11'-5"				Str.	20
C20	8	2	9'-6"				Str.	21
D1	5	1	6'-6"	1'-8"			1 3/4"	23
D2	5	7	7'-0"	1'-11"			1 3/4"	A*
D3	5	1	7'-2"	2'-0"			1 3/4"	22
D4	5	6	7'-4"	2'-1"			1 3/4"	B*
D5	5	6	7'-8"	2'-3"			1 3/4"	C*
D6	5	7	8'-0"	2'-5"			1 3/4"	D*
D7	5	8	8'-2"	2'-6"			1 3/4"	E*
D8	5	6	8'-5"	2'-9"			1 3/4"	F*

A* 1-5, 7, 21
B* 6, 8-10, 14, 15, 17, 18
C* 11-13, 16, 19, 20
D* 1-5, 7, 21
E* 6, 8-10, 14, 15, 17, 18
F* 11-13, 16, 19, 20

MARK	SIZE	NO. REQD.	LENGTH	A	B	PIN DIA.	COUNTER-FORT NO.
E1 to E11	5	22 (2 ea.)	3'-9" to 10'-1" (7 5/8" ± Incr.)	2'-11" to 9'-3"	10"	1 3/4"	1
E12 to E23	5	24 (2 ea.)	3'-9" to 10'-1" (6 15/16" ± Incr.)	2'-11" to 9'-3"	10"	1 3/4"	2
E24 to E36	5	26 (2 ea.)	3'-8" to 10'-2" (6 1/2" Incr.)	2'-10" to 9'-4"	10"	1 3/4"	3
E37 to E50	5	28 (2 ea.)	3'-8" to 10'-2" (6" Incr.)	2'-10" to 9'-4"	10"	1 3/4"	4
E51 to E65	5	30 (2 ea.)	3'-8" to 10'-3" (5 5/8" ± Incr.)	2'-10" to 9'-5"	10"	1 3/4"	5
E66 to E81	5	32 (2 ea.)	3'-8" to 10'-3" (5 1/4" ± Incr.)	2'-10" to 9'-5"	10"	1 3/4"	6
E82 to E96	5	30 (2 ea.)	3'-8" to 10'-2" (5 9/16" ± Incr.)	2'-10" to 9'-4"	10"	1 3/4"	7
E97 to E112	5	32 (2 ea.)	3'-8" to 10'-2" (5 3/16" ± Incr.)	2'-10" to 9'-4"	10"	1 3/4"	8
E113 to E129	5	34 (2 ea.)	3'-8" to 10'-3" (4 15/16" Incr.)	2'-10" to 9'-5"	10"	1 3/4"	9
E130 to E144	5	30 (2 ea.)	3'-10" to 10'-2" (5 7/16" ± Incr.)	3'-0" to 9'-4"	10"	1 3/4"	10
E145 to E160	5	32 (2 ea.)	3'-10" to 10'-2" (5 1/16" ± Incr.)	3'-0" to 9'-4"	10"	1 3/4"	11
E161 to E177	5	34 (2 ea.)	3'-10" to 10'-2" (4 3/4" Incr.)	3'-0" to 9'-4"	10"	1 3/4"	12
E178 to E193	5	32 (2 ea.)	3'-8" to 10'-2" (5 3/16" ± Incr.)	2'-10" to 9'-4"	10"	1 3/4"	13
E194 to E210	5	34 (2 ea.)	3'-8" to 10'-2" (4 7/8" Incr.)	2'-10" to 9'-4"	10"	1 3/4"	14
E211 to E228	5	36 (2 ea.)	3'-8" to 10'-2" (4 9/16" ± Incr.)	2'-10" to 9'-4"	10"	1 3/4"	15
E229 to E247	5	38 (2 ea.)	3'-8" to 10'-2" (4 5/16" ± Incr.)	2'-10" to 9'-4"	10"	1 3/4"	16
E248 to E267	5	80 (4 ea.)	3'-8" to 10'-3" (4 3/16" ± Incr.)	2'-10" to 9'-5"	10"	1 3/4"	17 & 18
E268 to E286	5	38 (2 ea.)	3'-9" to 10'-2" (4 1/4" ± Incr.)	2'-11" to 9'-4"	10"	1 3/4"	19
E287 to E302	5	32 (2 ea.)	3'-9" to 10'-2" (5 1/8" ± Incr.)	2'-11" to 9'-4"	10"	1 3/4"	20
E303 to E315	5	26 (2 ea.)	3'-8" to 10'-2" (6 1/2" Incr.)	2'-10" to 9'-4"	10"	1 3/4"	21
E316 to E325	5	20 (2 ea.)	3'-8" to 10'-2" (8 11/16" ± Incr.)	2'-10" to 9'-4"	10"	1 3/4"	22
E326 to E331	5	12 (2 ea.)	4'-5" to 10'-1" (13 5/8" ± Incr.)	3'-7" to 9'-3"	10"	1 3/4"	23



NOTE: ALL DIMENSIONS ARE CENTER TO CENTER OF BARS.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (86) 140		11	78
				JOB NO.		6850			
				① ② Retaining Wall				17411	

MARK	SIZE	NO. REQD.	LENGTH	PIN DIA.	COUNTER- FORT NO.
G1 to G7	5	14 (2 ea.)	3'-9" to 13'-0" (18 1/2" Incr.)	Str.	1
G8 to G14	5	14 (2 ea.)	4'-1" to 14'-4" (20 7/16" ± Incr.)	Str.	2
G15 to G21	5	14 (2 ea.)	4'-6" to 15'-6" (22" Incr.)	Str.	3
G22 to G28	5	14 (2 ea.)	4'-6" to 16'-6" (24" Incr.)	Str.	4
G29 to G36	5	16 (2 ea.)	3'-0" to 17'-9" (25 5/16" ± Incr.)	Str.	5
G37 to G44	5	16 (2 ea.)	3'-2" to 19'-3" (27 9/16" ± Incr.)	Str.	6
G45 to G52	5	16 (2 ea.)	3'-0" to 18'-1" (25 7/8" ± Incr.)	Str.	7
G53 to G60	5	16 (2 ea.)	3'-2" to 19'-4" (27 3/4" ± Incr.)	Str.	8
G61 to G68	5	15 (2 ea.)	3'-5" to 20'-6" (29 1/4" ± Incr.)	Str.	9
G69 to G76	5	16 (2 ea.)	3'-1" to 18'-8" (26 3/4" ± Incr.)	Str.	10
G77 to G84	5	16 (2 ea.)	3'-3" to 19'-8" (28 3/16" ± Incr.)	Str.	11
G85 to G92	5	16 (2 ea.)	3'-6" to 21'-1" (30 1/8" ± Incr.)	Str.	12
G93 to G100	5	16 (2 ea.)	3'-3" to 19'-5" (27 3/4" ± Incr.)	Str.	13
G101 to G108	5	16 (2 ea.)	3'-5" to 20'-7" (29 3/8" ± Incr.)	Str.	14
G109 to G116	5	16 (2 ea.)	3'-7" to 21'-9" (31 1/8" ± Incr.)	Str.	15
G117 to G124	5	16 (2 ea.)	3'-10" to 23'-1" (33" Incr.)	Str.	16
G125 to G132	5	32 (2 ea.)	3'-11" to 34'-1" (33 9/16" ± Incr.)	Str.	17 & 18
G133 to G140	5	16 (2 ea.)	3'-10" to 23'-5" (33 9/16" ± Incr.)	Str.	19
G141 to G148	5	16 (2 ea.)	3'-3" to 19'-5" (27 3/4" ± Incr.)	Str.	20
G149 to G155	5	14 (2 ea.)	4'-5" to 15'-4" (21 13/16" ± Incr.)	Str.	21
G156 to G162	5	14 (2 ea.)	3'-3" to 11'-5" (16 5/16" ± Incr.)	Str.	22
G163 to G169	5	14 (2 ea.)	2'-2" to 7'-5" (10 1/2" Incr.)	Str.	23
H1	5	351	5'-9"	1 3/4"	1-23
J1	5	354	5'-3"	3 3/4"	1-23

NOTE:
1. FOR NOTES SEE SHEET 10

RETAINING WALL

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

INT ROUTE 430 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

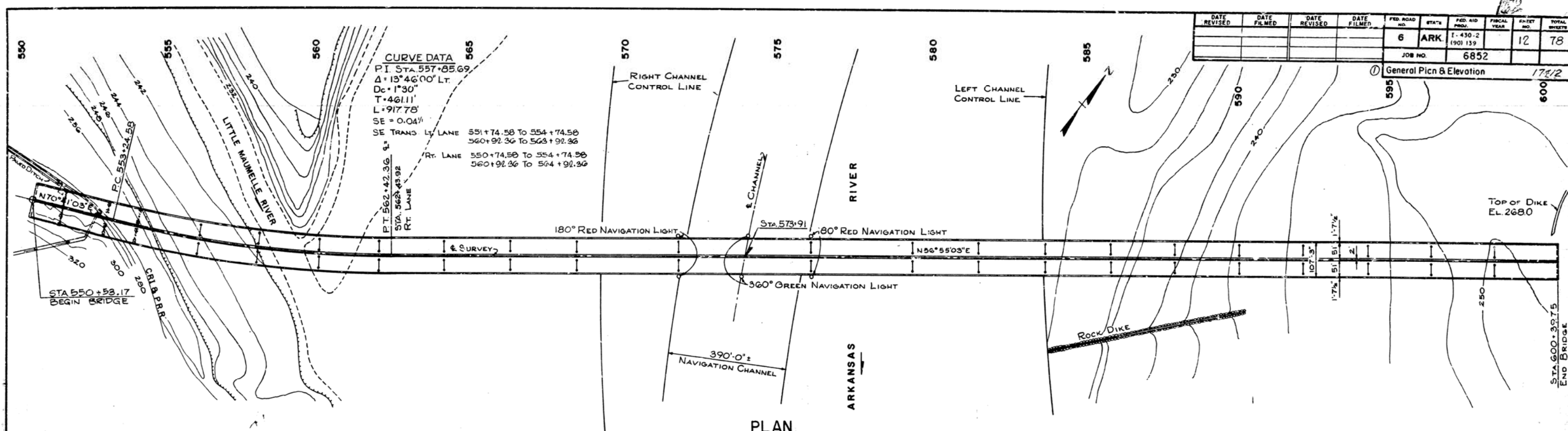
DRAWN BY: C.S. DATE: 11/19/70

TRACED BY: DATE:

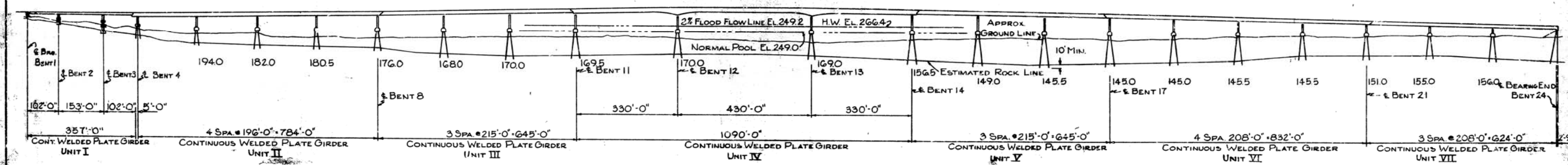
CHECKED BY: D.E.M. DATE: 2/71

SCALE: NONE

BRIGHTON ENGINEERING CO. DWG. 17411



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	EX-101 NO.	TOTAL SHEETS
				6	ARK.	I-430-2 (90) 139		12	78
				JOB NO. 6852		General Plan & Elevation 174/2			



ELEVATION

GENERAL NOTES

SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1959 EDITION, THE 1966 SUPPLEMENTAL SPECIFICATIONS THEREON, AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: A.A.S.H.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1946 EDITION.
 DESIGN LIVE LOADING: HS20-44 AND/OR MILITARY DESIGN UNIT STRESSES:
 CLASS "C" CONCRETE (N-10) 1,200 P.S.I.
 REINFORCING STEEL 20,000 P.S.I.
 STRUCTURAL STEEL A-36 20,000 P.S.I.
 A-572 27,000 P.S.I.

ELEVATIONS: VERTICAL DATUM IS REFERRED TO MEAN SEA LEVEL DATUM, U.S.C. & G.S. ELEVATIONS OF GROUND SURFACE AND VARIOUS SUBSURFACE STRATA SHOWN ON THIS AND ACCOMPANYING DRAWINGS ARE BASED ON THE BEST INFORMATION PRESENTLY AVAILABLE BUT MUST BE CONSIDERED AS APPROXIMATE ONLY.

REMARKS: CONCRETE MONUMENT WITH BRASS CAP STAMPED 1969, 69' RT. STA. 553+36 EL. 271.43 AND RR SPIKE IN 16' PECAN, 500' LT. STA. 613+09, ELEV. 214.37.

PILING: ALL PILING SHALL BE 12BP 53 STEEL BEARING PILES DRIVEN WITH AN APPROVED AIR STEAM OR DIESEL HAMMER TO A BEARING CAPACITY OF 70 TONS PER PILE. ORDER LENGTHS SHOWN. CUT-OFF OR BUILT UP IF NECESSARY SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

CONCRETE: CONCRETE SHALL BE OF THE CLASS SHOWN ON THE DETAIL DRAWING. ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

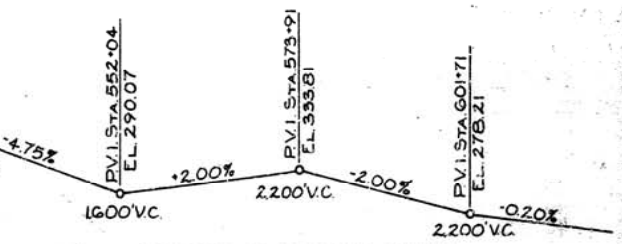
REINFORCING STEEL: REINFORCING BARS SHALL BE DEFORMED BARS OF THE GRADE REQUIRED BY THE SPECIFICATIONS. BARS NO. 11 AND SMALLER SHALL BE LAPPED 40 BAR DIAMETERS AT SPACES SHOWN OR APPROVED BY THE ENGINEER. SPIRAL BARS SHALL BE LAPPED 1 1/4 TURNS AT EACH SPICE POINT AND 1 1/2 CLOSED COILS SHALL BE PROVIDED AT BOTH ENDS OF EACH SPIRAL UNIT. ANY LAPS NOT SHOWN ON THE PLANS MADE BY THE CONTRACTOR FOR HIS CONVENIENCE SHALL NOT BE INCLUDED IN MEASUREMENT FOR PAYMENT. SHOP LIST AND BENDING DIAGRAMS MUST BE SUBMITTED FOR APPROVAL BEFORE FABRICATION IS BEGUN.

RAILING: SHOP DRAWINGS SHOWING DETAILS OF RAILING SHALL BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.

FOOTING: FOOTING SHALL BE SET A MINIMUM OF 2'-0" INTO ROCK. ROCK EXCAVATION SHALL BE MADE TO NEAT LINES OF CONCRETE FOOTING. CARE SHALL BE EXERCISED TO AVOID SHATTERING OF ROCK FACES BY EXCESSIVE BLASTING.

STRUCTURAL STEEL: STRUCTURAL STEEL SHALL BE WELDED IN ACCORDANCE WITH AMERICAN WELDING SOCIETY "STANDARD SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGES", CURRENT EDITION, AS MODIFIED BY SP 806-13. THE WELDING PROCEDURE THAT IS TO BE USED SHALL BE SUBMITTED TO THE ENGINEER AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN. SEE SPECIAL PROVISION, "WELDING OF STRUCTURAL STEEL".

PROFILE GRADE DATA

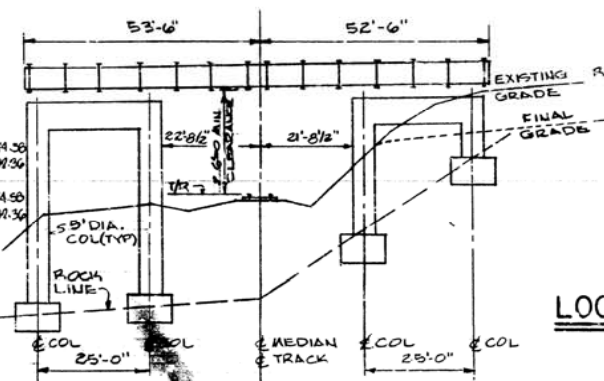


GENERAL PLAN AND ELEVATION
 ARKANSAS RIVER BRIDGE
 PULASKI COUNTY
 INT. ROUTE 430 SEC. 2
 ARKANSAS STATE HIGHWAY COMMISSION

DRAWN BY J.B.S.	CHECKED BY J.B.S.	DATE 10/67	SCALE 1"=130'-0"
TRACED BY C.R.	CHECKED BY J.M.W.	DATE 10/67	
BRIDGE NO. 5320		DRAWING NO. 174/2	

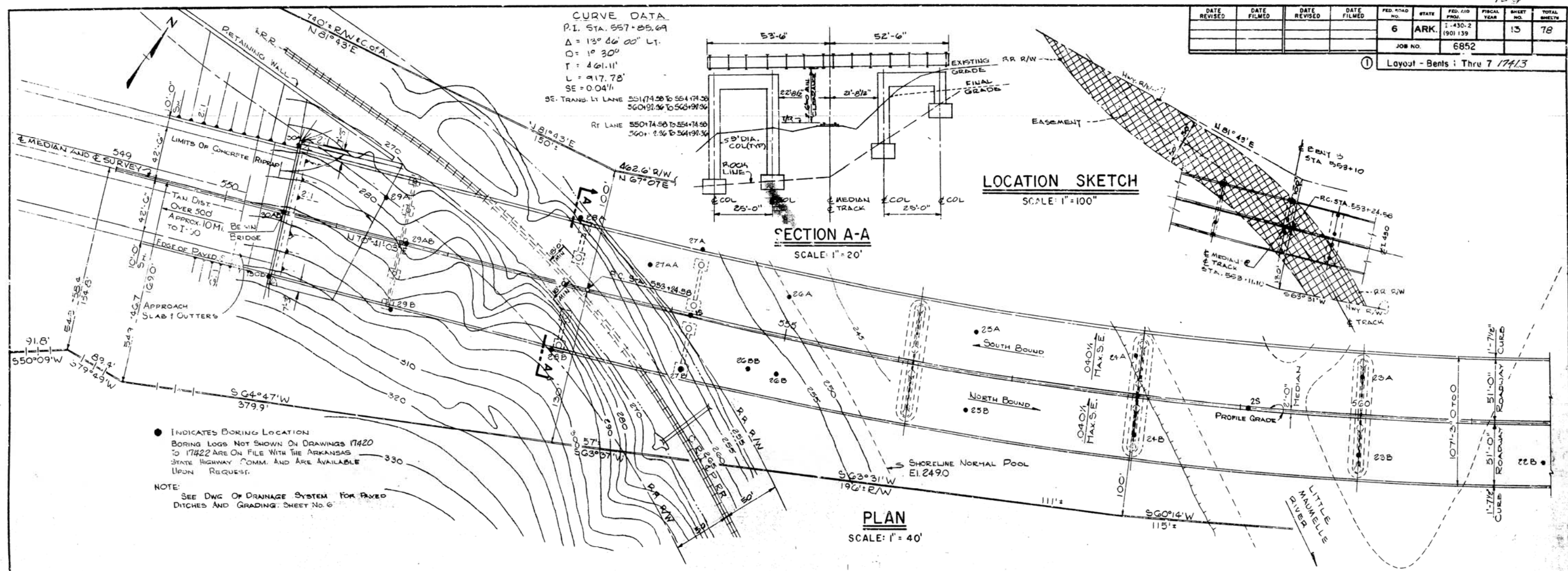
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (190) 139	13	78	
JOB NO. 6852									
① Layout - Bents 1 Thru 7 17413									

CURVE DATA
P.I. STA. 557+85.69
 $\Delta = 130^\circ 46' 00''$ LT.
 $D = 10^\circ 30'$
 $T = 461.11'$
 $L = 917.78'$
 $SE = 0.041''$
SE. TRANS. LT. LANE 551+74.50 TO 554+74.50
560+191.36 TO 563+191.36
RT. LANE 550+74.50 TO 554+74.50
560+191.36 TO 563+191.36

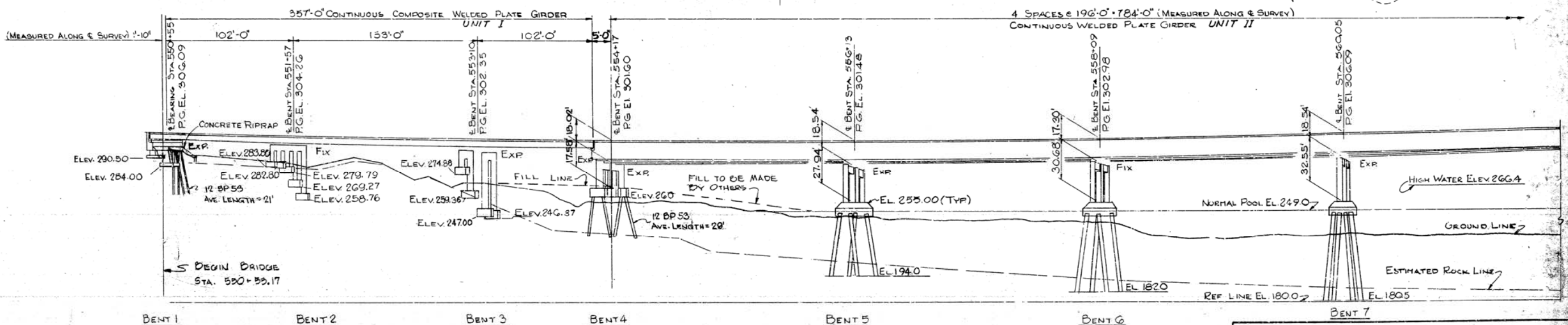


SECTION A-A
SCALE: 1" = 20'

LOCATION SKETCH
SCALE: 1" = 100'



● INDICATES BORING LOCATION
BORING LOGS NOT SHOWN ON DRAWINGS 17420 TO 17422 ARE ON FILE WITH THE ARKANSAS STATE HIGHWAY COMM. AND ARE AVAILABLE UPON REQUEST.
NOTE: SEE DWG. OF DRAINAGE SYSTEM FOR PAVED DITCHES AND GRADING. SHEET NO. 6



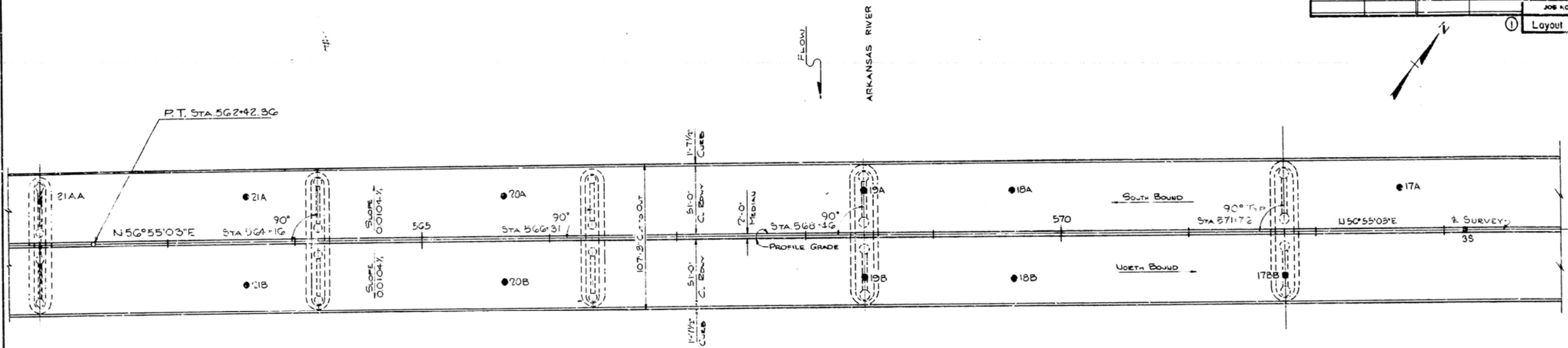
ELEVATION
SCALE: 1" = 40'

NOTE:
1. VERTICAL DIMENSIONS SHOWN ARE FROM PROFILE GRADE LINE TO LOWEST BRIDGE SEAT AND SHORTEST COLUMN HEIGHT.
2. DATA PERTAINING TO BENTS 5 THRU 28 ARE GIVEN FOR INFORMATIONAL PURPOSES ONLY.
3. REFER TO DRAWING NO. 17418 FOR STAKE OUT PLAN BENTS 1 THRU 4

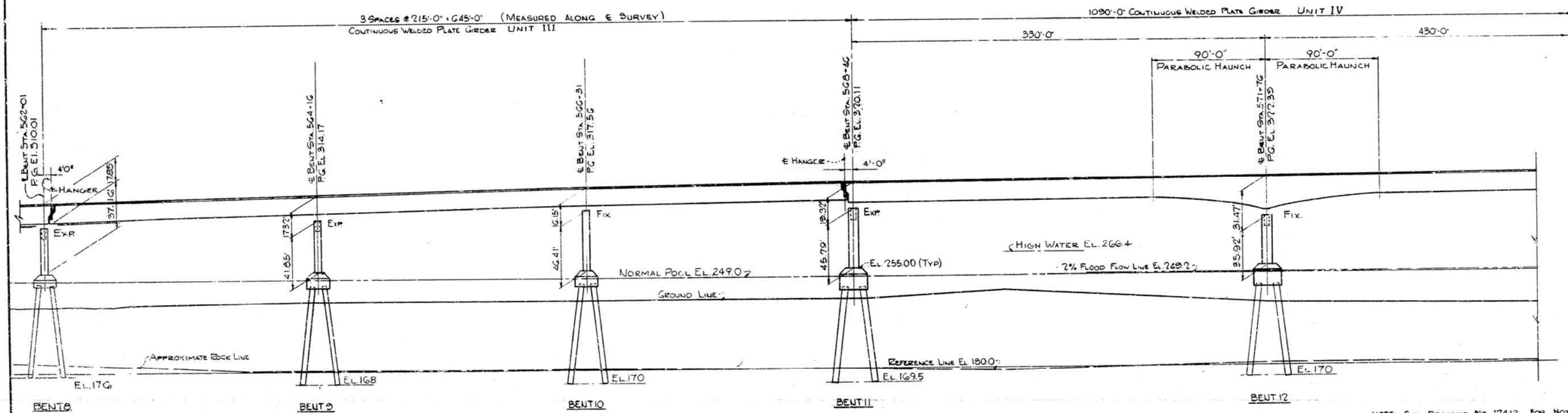
LAYOUT - BENTS 1 THRU 7
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: IRK/KE	DATE: 5-4-70	SCALE: AS SHOWN
TRACED BY:	DATE:	
CHECKED BY: JEL	DATE: 5-4-72	
BRIDGE NO. 5320	DRAWING NO. 17413	

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROG.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-430-1 (90) 159		14	78
				JOB NO.		6852			
				① Layout - Bents 8 Thru 12 17414					



● INDICATES BORING LOCATION
BORING LOGS NOT SHOWN ON DWGS 17420 TO 17422 ARE ON FILE WITH THE ARKANSAS STATE HIGHWAY COMM. AND ARE AVAILABLE UPON REQUEST.

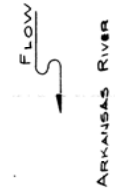


NOTE: SEE DRAWING NO. 17412 FOR NOTES.

LAYOUT - BENTS 8 THRU 12
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: CS	DATE: 2/21/69	SCALE: 1" = 40'-0"
TRACED BY:	DATE:	
CHECKED BY: D.E.M.	DATE: 3-71	
BRIDGE NO. 5320		DRAWING NO. 17414

BRIDGE ENGINEER

155

1090'-0" CONTINUOUS WELDED PLATE GIRDER UNIT IV

430'-0"

90'-0" PARABOLIC HAUNCH

90'-0" PARABOLIC HAUNCH

330'-0"

3 SPACERS @ 215'-0" + 645'-0" CONTINUOUS WELDED PLATE GIRDER UNIT V

EL 255.00 (TYP.)

EL 266.4

EL 249.0

EL 169

EL 156.5

EL 149

EL 145.5

GROUND LINE

APPROXIMATE ROCK LINE

HIGH WATER EL 266.4

NORMAL POOL EL 249.0

BENT 13

BENT 14

BENT 15

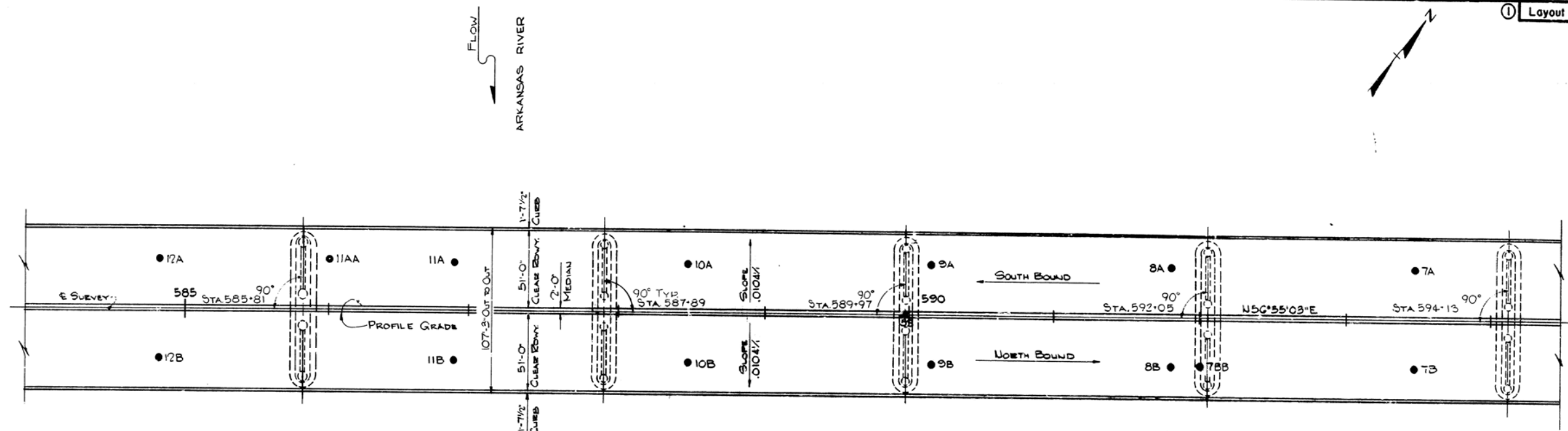
BENT 16

Diagram illustrating a vertical curve. The curve is defined by a horizontal line with a vertical curve segment. The curve is labeled with "PVI STA 573.01" and "TAN ELEV 333.81". The horizontal distance between the two segments is labeled "2200'VC". The vertical curve is labeled with "-2.00%" on both sides.

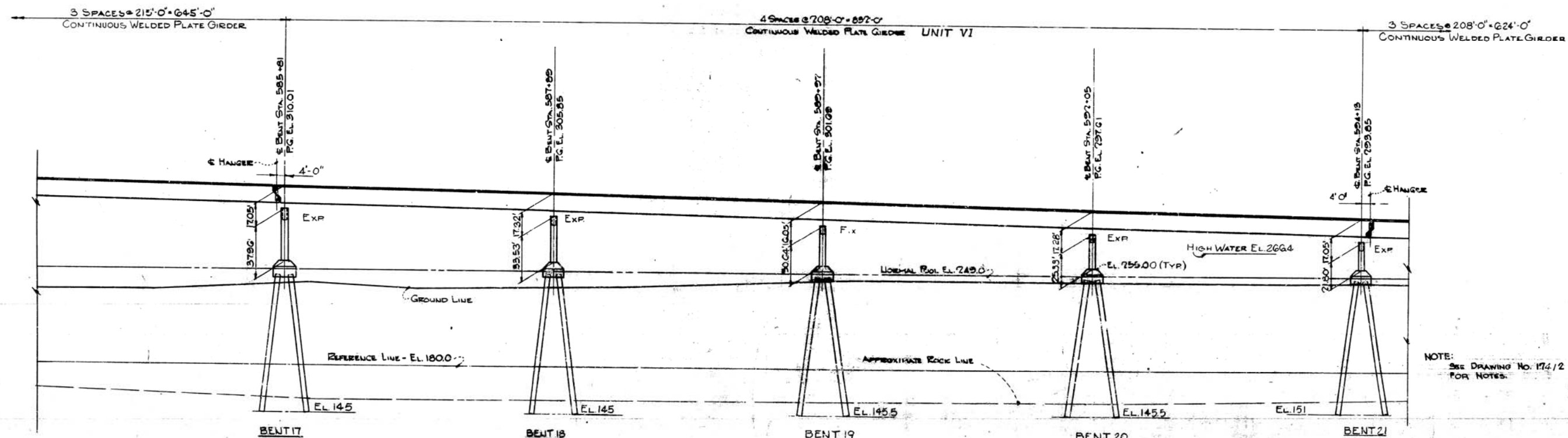
DRAWN BY: <u>CS</u> DATE: <u>2-20-69</u>	SCALE: <u>1 1/2" = 40'-0"</u>
TRACED BY: _____ DATE: _____	
CHECKED BY: <u>DEM</u> DATE: <u>3-71</u>	
BRIDGE NO. 5320	DRAWING NO. 17415

BRIDGE NO. 5320	DRAWING NO. 17415
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	PER. ROAD NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-450-2 (90) 139	16	78
				JOB NO. 6852				
				① Layout - Bents 17 Thru 21 174/6				



● INDICATES BORING LOCATION
BORING LOGS NOT SHOWN ON DRAWINGS 17420 TO 17422 ARE ON FILE WITH THE ARKANSAS STATE HIGHWAY COMM. AND ARE AVAILABLE UPON REQUEST.



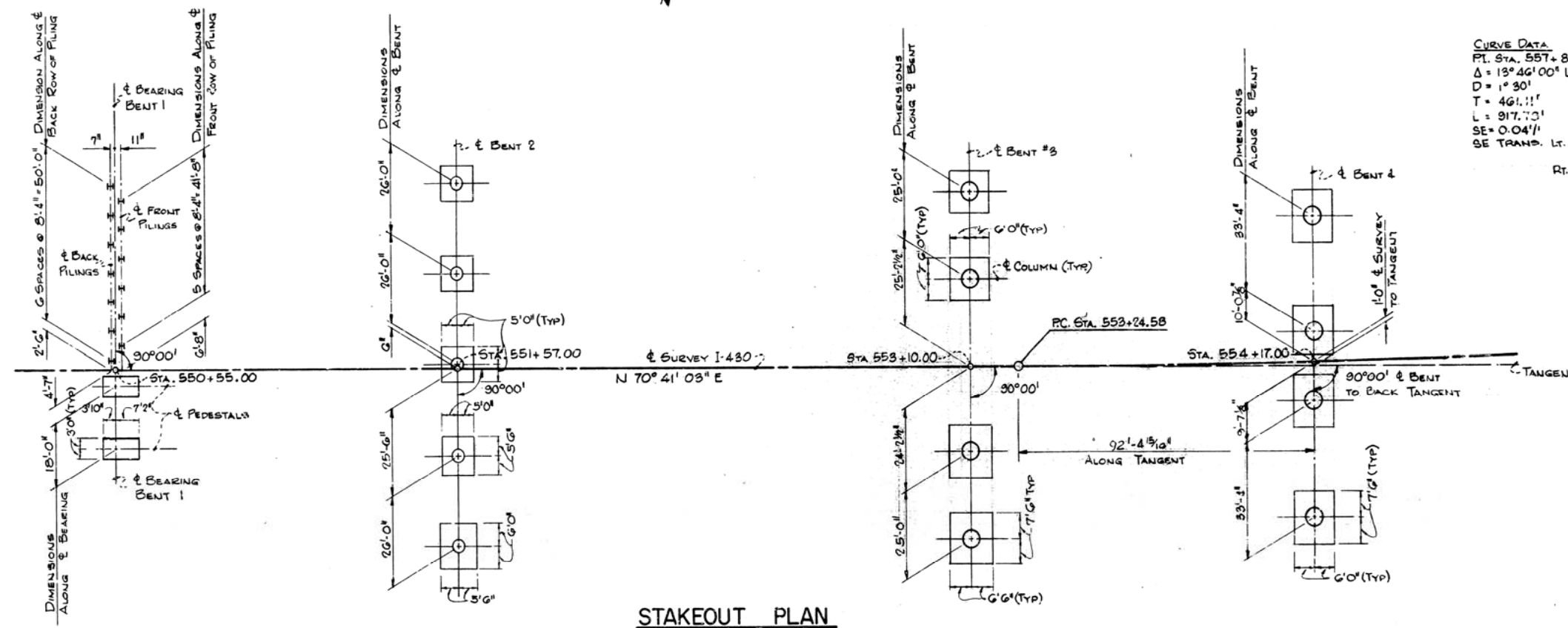
NOTE:
SEE DRAWING NO. 174/2 FOR NOTES.

LAYOUT - BENTS 17 THRU 21
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 450 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DESIGNED BY: C.E. DATE: 1-17-66
TRAINED BY: DEM DATE: 3-77
CHECKED BY: DEM DATE: 3-77
SCALE: 1"=40'-0"
JOB NO. 6852 DRAWING NO. 174/6

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PERCENT	PERCENT YEAR	THICKNESS	SPALLS
				6	ARK.	1.430-2 (90)		18	78
				JOB NO.		6852			

① Stakeout Plan Bents 1 to 4 17418



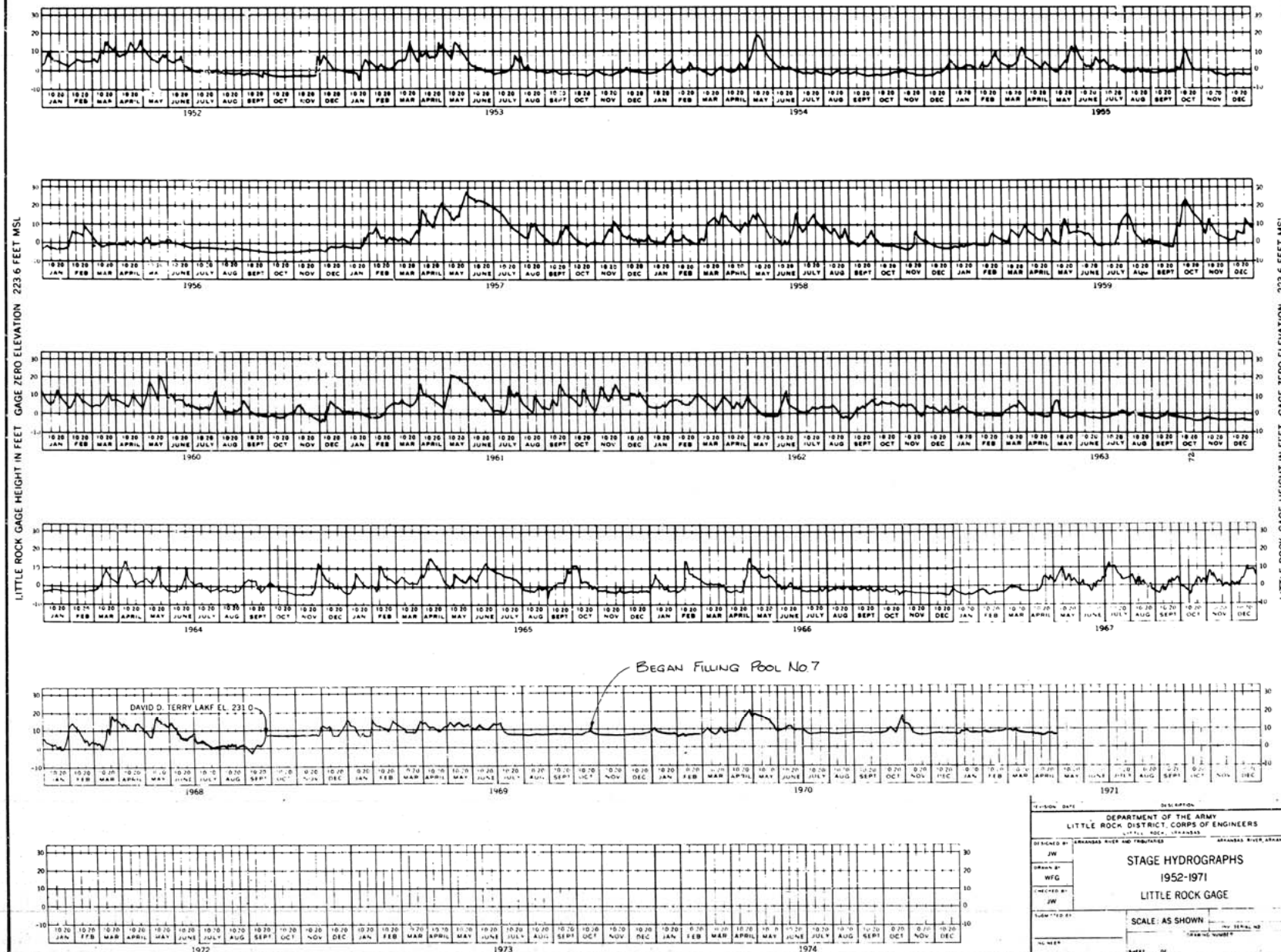
STAKEOUT PLAN

NOTES:

1. DIMENSIONS ARE FROM & SURVEY.

STAKEOUT PLAN BENTS 1 TO 4
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

DRAWN BY: D.G.G. DATE: 11-22-60
 TRACED BY: DATE: 3-71
 CHECKED BY: D.E.M. DATE: 3-71
 BRIDGE NO. 5320
 SCALE: 1" = 20'
 DRAWING NO. 17418



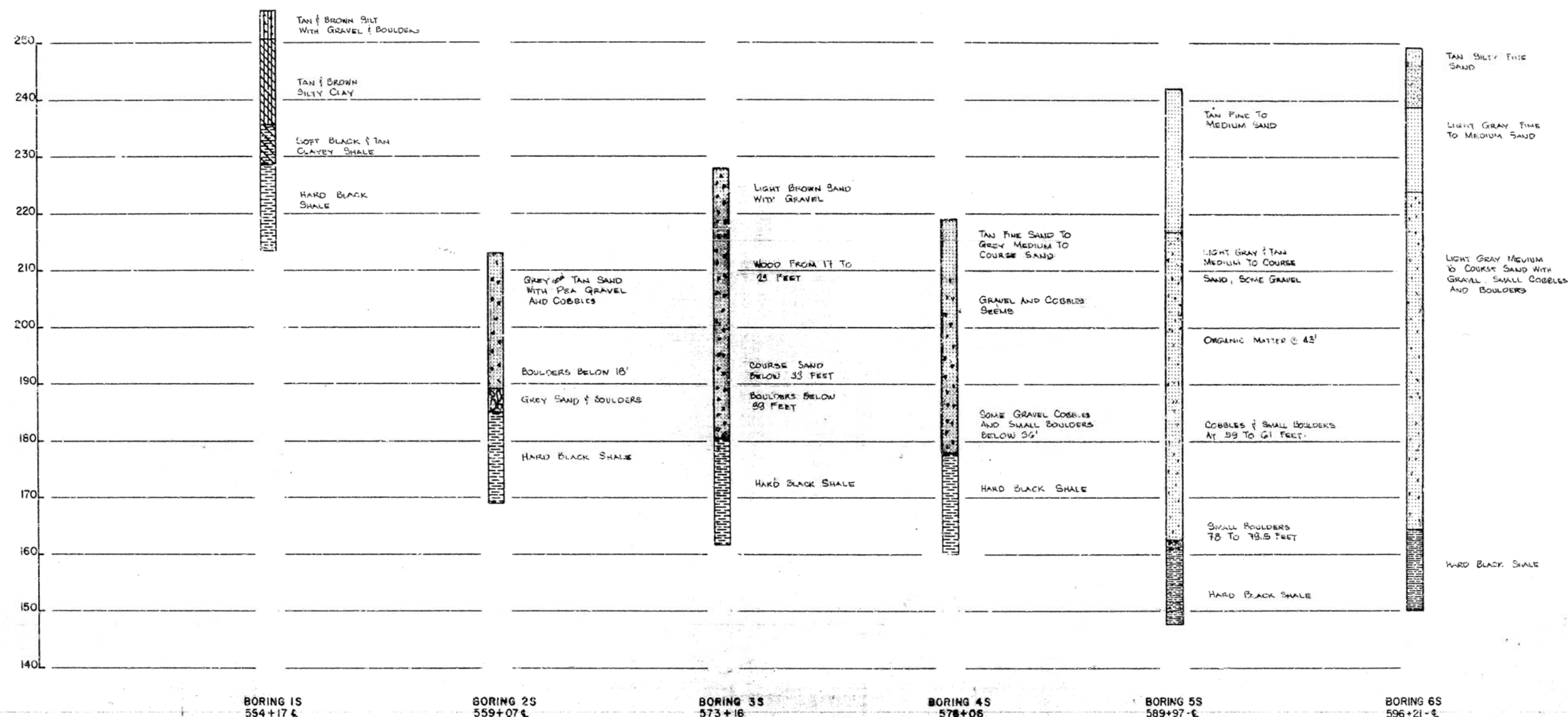
NOTE: THIS DRAWING WAS PREPARED BY THE LITTLE ROCK DISTRICT CORPS OF ENGINEERS, U.S. ARMY FOR INFORMATION ONLY.

THE DATA SHOWN ON THIS DRAWING IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT DOES NOT GUARANTEE THE RELIABILITY OF HIS CONSTRUCTION PLAN AND THE COVER DOES NOT GUARANTEE THE RELIABILITY OF ACCURACY OF THIS INFORMATION AND ASSUMES RESPONSIBILITY FOR ANY DEDUCTIONS, CONCLUSIONS, OR INTERPRETATIONS MADE BY THE CONTRACTOR.

HYDROGRAPHS
 ARKANSAS RIVER BRIDGE
 PULASKI COUNTY
 AT ROUTE 400 SEC. 2
 ARKANSAS STATE HIGHWAY COMMISSION

DATE REVISED	DATE FILED	DATE REVISED	DATE FILED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	PISTON NO.	TOTAL SHEETS
				6	ARK.	1-150-2 (90)		20	78
				JOB NO.		6852			

① Boring Logs No. 1S - 6S 17420



Notes: All Borings Shown on this Sheet are 6" Diameter Cores.

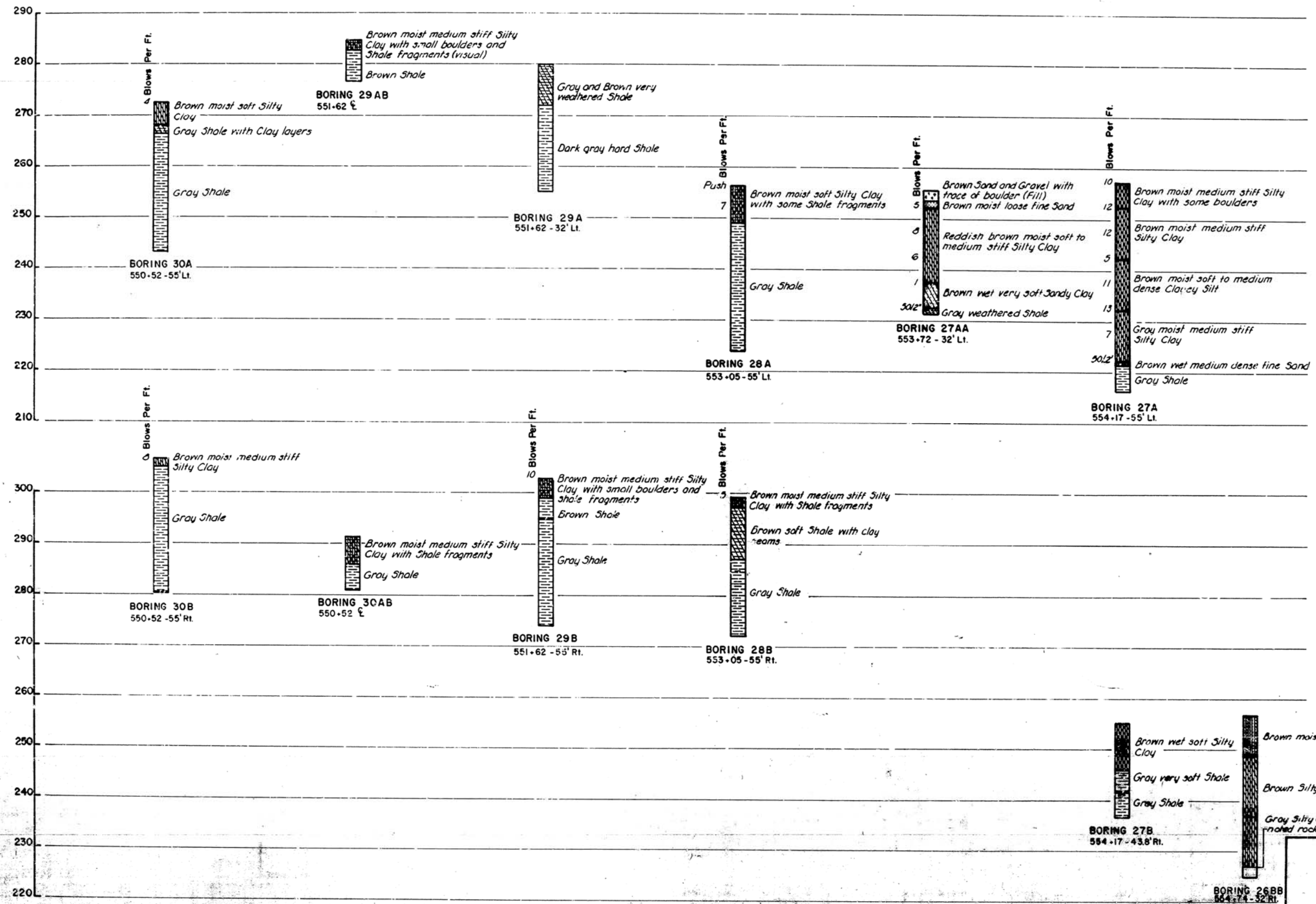
NOTES:
1. BORING LOGS FOR BORINGS 5 THRU 24 ARE ON FILE WITH ARKANSAS STATE HIGHWAY COMMISSION AND ARE AVAILABLE TO CONTRACTOR UPON REQUEST.

BORING LOGS
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: C.P. FA. DATE: 4/15/68	SCALE: 1" = 10' Vert
CHECKED BY: RA. DATE: 5/15/68	
BRIDGE NO. 5320	DRAWING NO. 171420

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90)		21	78
				JOB NO.		6852			

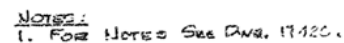
① Boring Log No. 26BB - 30B / 7421



NOTES:
1. For Notes See Dwg. 17420.

BORING LOGS			
ARKANSAS RIVER BRIDGE			
PULASKI COUNTY			
INT. ROUTE 430 SEC. 2			
ARKANSAS STATE HIGHWAY COMMISSION			
LITTLE ROCK, ARK.			
DESIGNED BY	JMH	DATE	3-1-68
CHECKED BY		DATE	
BRIDGE NO.	5320	DRAWN BY	NO. 17421
SCALE: 1" = 10' Vert.			

① Boring Logs No. 2688 - 308 (74) /



LITTLE ROCK ARK	
DRAWN BY: J.W.H.	DATE: 3-1-88
TRACED BY: _____	SCALE: 1" = 10' Vert.
CHECKED BY: J.W.H.	DATE: 5-2-88
BRIDGE NO. 5320	DRAWING NO. 17421

① Boring Logs 17422

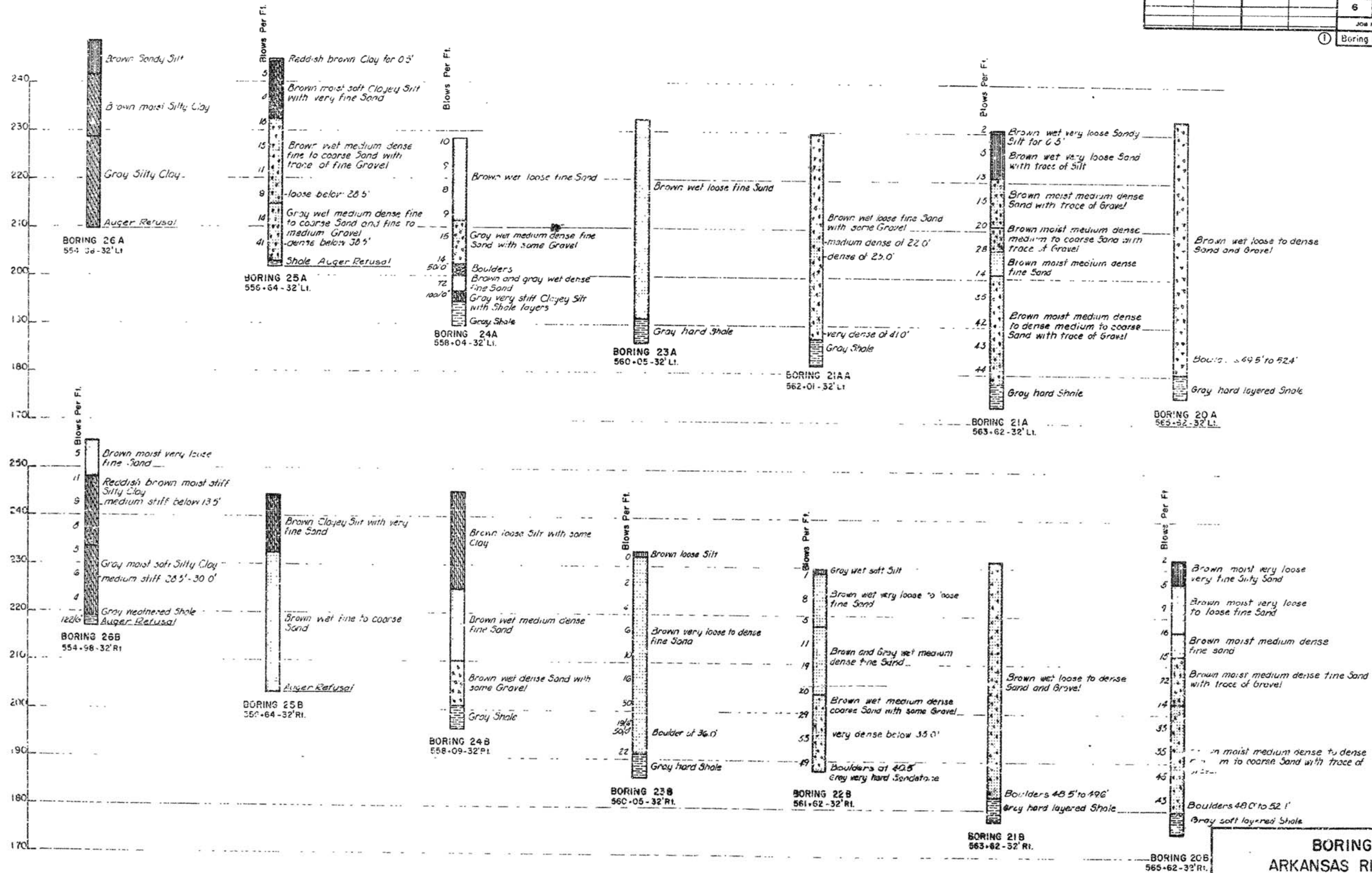


LITTLE ROCK, ARK.

SCALE 1"=10' 140K 7-10-10

DRAWING NO. 17422

DATE REVISED	DATE FILMED	DATE - REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-170-7 (180)		27	78
				JOB NO.		6852			
① Boring Logs 1/422									

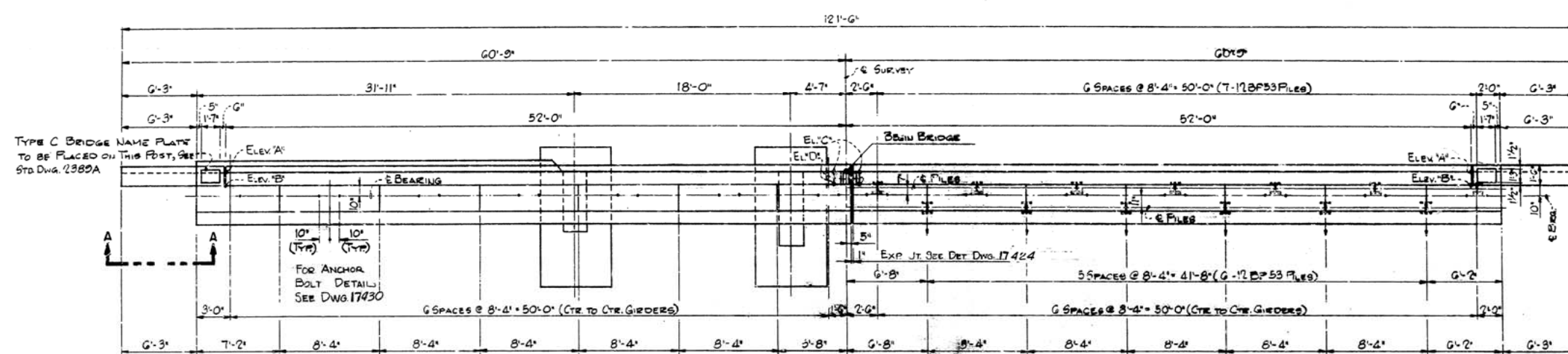


Notes:
1. FOR NOTES SEE DWG No. 17420

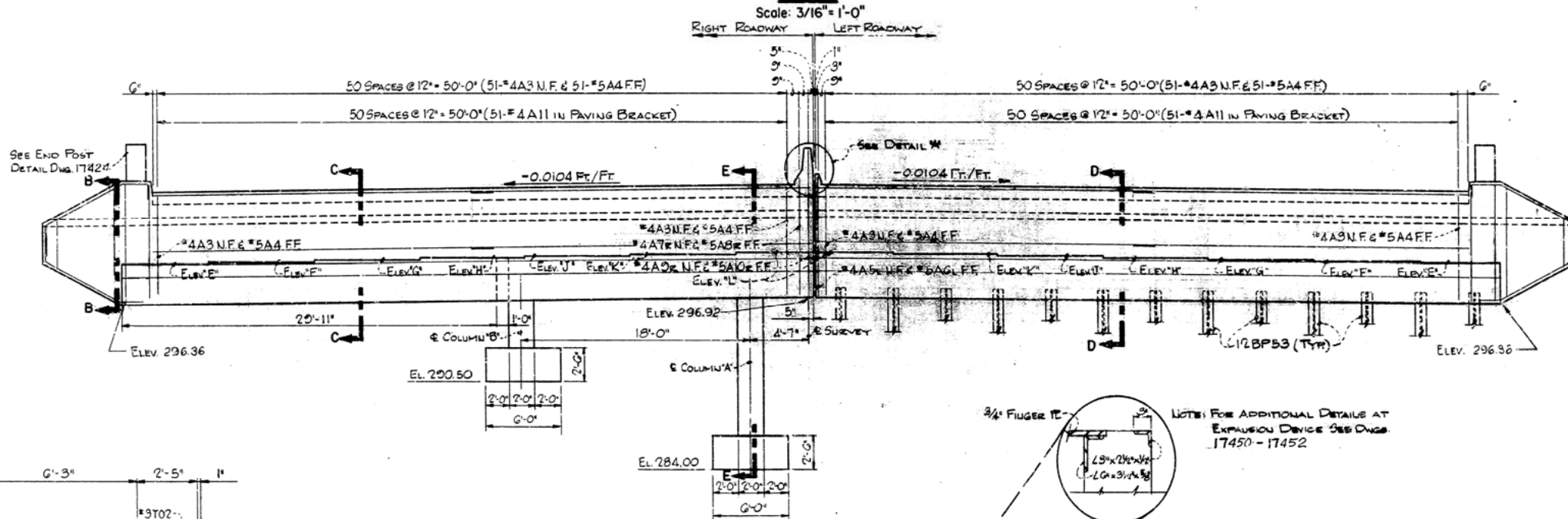
BORING LOGS ARKANSAS RIVER BRIDGE PULASKI COUNTY INT. ROUTE 430 SEC. 2 ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.			
DRAWN BY: <u>W. B. BROWN</u> DATE: <u>11-25-67</u> TRACED BY: <u>W. B. BROWN</u> DATE: <u>11-25-67</u> CHECKED BY: <u>W. B. BROWN</u> DATE: <u>11-25-67</u>	SCALE: <u>1" = 10' VERT</u> BRIDGE NO. <u>5-20</u> DRAWING NO. <u>17420</u>		

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	T-430-3 (90) 139		23	78
				JOB NO.		6852			

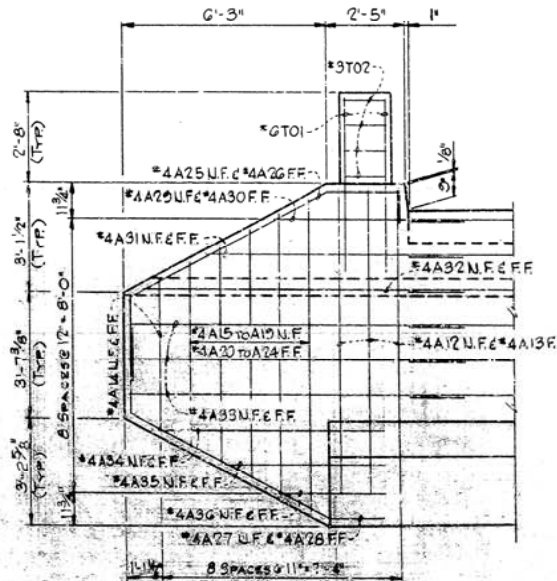
① End Bent 1 17423



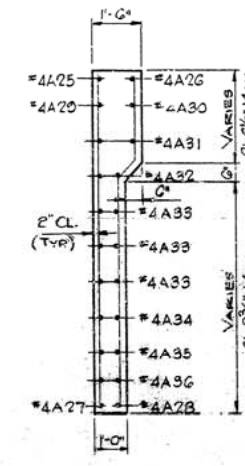
PLAN
Scale: 3/16" = 1'-0"



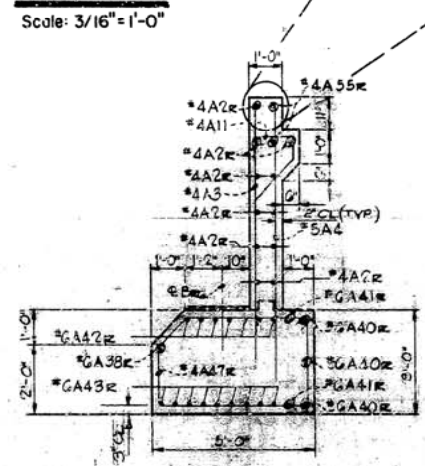
ELEVATION
Scale: 3/16" = 1'-0"



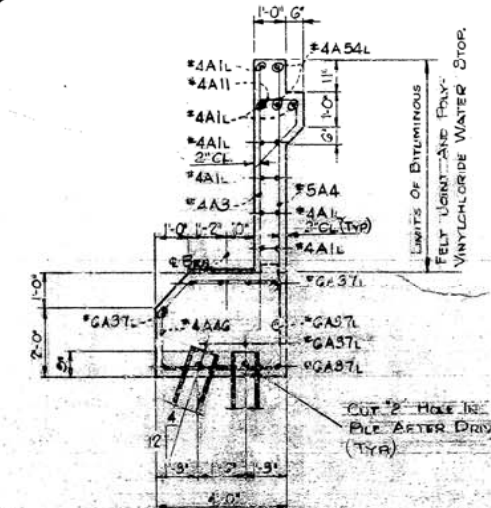
VIEW A-A
Scale: 3/8" = 1'-0"



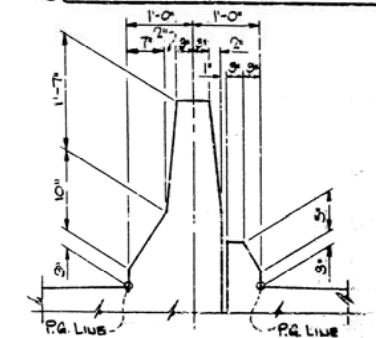
SECTION B-B
Scale: 3/8" = 1'-0"



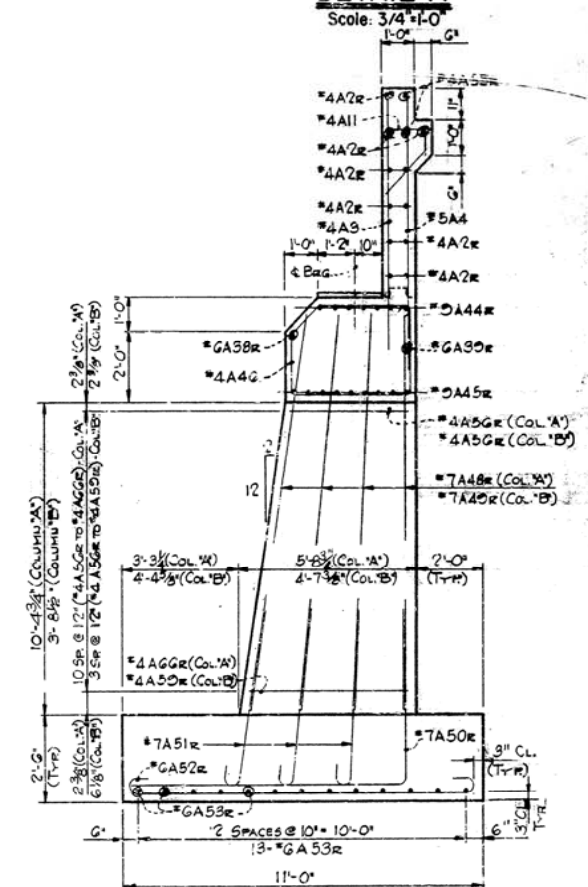
SECTION C-C
Scale: 3/8" = 1'-0"



SECTION D-D
Scale: 3/8" = 1'-0"



DETAIL A
Scale: 3/4" = 1'-0"



SECTION E-E
Scale: 3/8" = 1'-0"

- NOTES:**
1. FOR DETAILS OF EXPANSION DEVICE SEE DWGS. 17450-17452
 2. FOR GENERAL NOTES AND ADDITIONAL DETAILS SEE DWG. 17424
 3. FOR ELEVATIONS A THRU L SEE DWG. 17424
 4. FOR STAKEOUT PLAN SEE DWG. 17418
 5. FOR DRAIN CONNECTION DETAILS SEE DWG. NO. 17451

END BENT 1

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

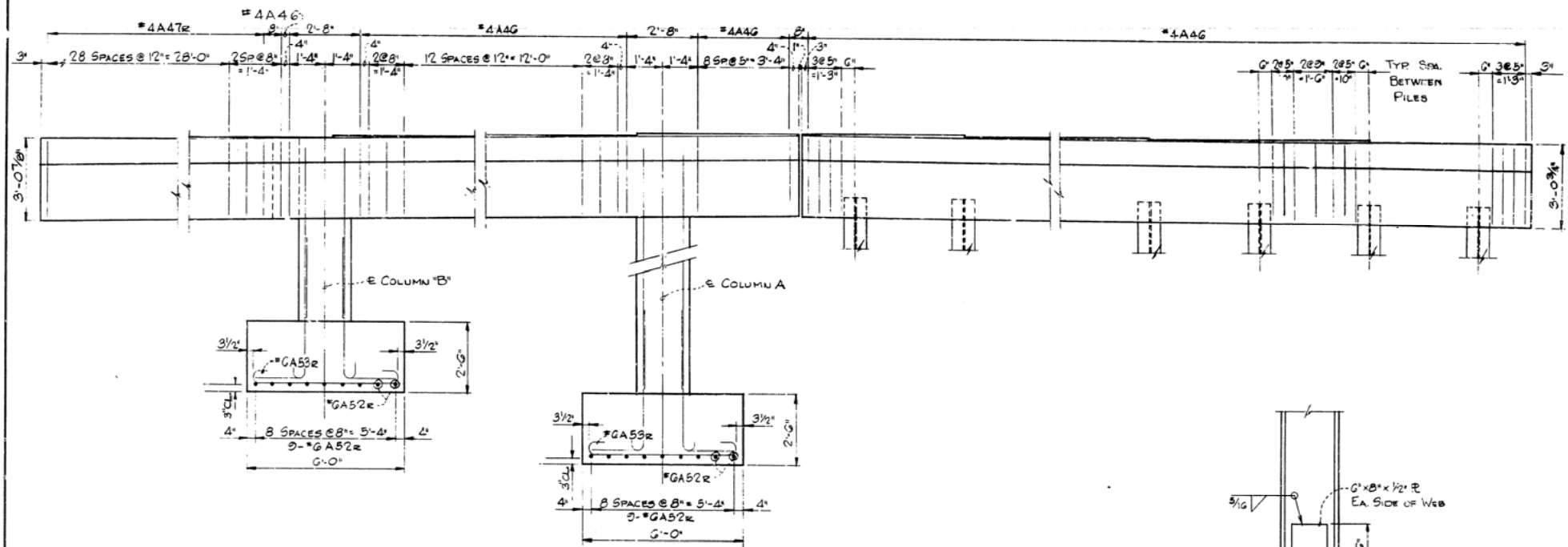
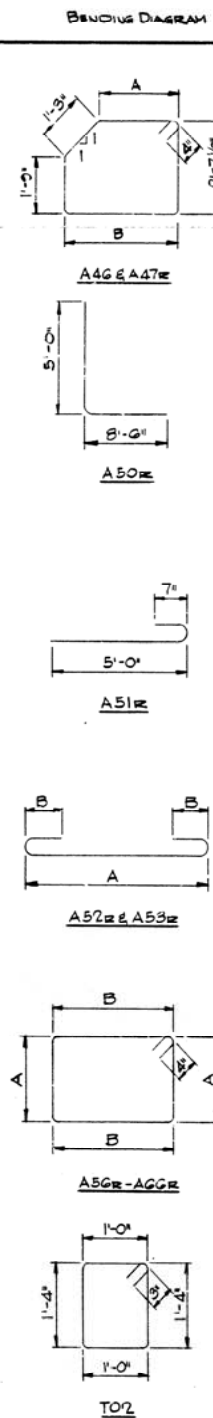
T. ROUTE 430 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

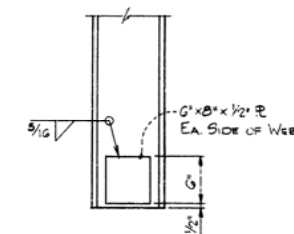
DRAWN BY: G.S.	DATE: 2-9-70	SCALE: AS SHOWN
TRACED BY: DATE:	CHECKED BY: D.E.M. DATE: 3/71	
BRIDGE NO. 5320		DRAWING NO. 17423

MARK	SIZE	NO. REQD.	LENGTH	A	B	FIN DIA.
A1L	#4	22	26'-6"	-	-	STR.
A2L	#4	22	26'-10"	-	-	STR.
A3	#4	102	7'-8"	-	-	STR.
A4	#5	102	7'-11"	-	-	STR.
A5L	#4	1	8'-4"	-	-	STR.
AGL	#5	1	8'-7"	-	-	STR.
A7L	#4	1	8'-3"	-	-	STR.
A8L	#5	1	8'-0"	-	-	STR.
A9L	#4	1	10'-4"	-	-	STR.
A10L	#5	1	10'-7"	-	-	STR.
A11	#4	102	9'-9"	-	-	3"
A12	#4	6	8'-5"	-	-	STR.
A13	#4	6	8'-7"	2'-5"	5'-5 1/2"	1 1/2"
A14	#4	4	4'-3"	-	-	STR.
A15 TO A19	#4	10 (2EA)	5'-2" TO 8'-10" (11' INCR.)	-	-	STR.
A20 TO A24	#4	10 (2EA)	5'-4" TO 9'-0" (11' INCR.)	0'-4" TO 2'-2" 5 1/2" INCR.	4'-4" TO 6'-2" 5 1/2" INCR.	1 1/2"
A25	#4	2	11'-7"	-	-	1 1/2"
A26	#4	2	7'-2"	-	-	1 1/2"
A27	#4	2	11'-7"	2'-8"	2'-8"	1 1/2"
A28	#4	2	12'-1"	3'-2"	2'-3"	1 1/2"
A29	#4	2	5'-3"	-	-	STR.
A30	#4	2	3'-10"	-	-	STR.
A31	#4	4	7'-9"	-	-	STR.
A32	#4	4	9'-9"	-	-	STR.
A33	#4	12	10'-3"	-	-	STR.
A34	#4	4	7'-2"	-	-	STR.
A35	#4	4	5'-2"	-	-	STR.
A36	#4	4	3'-2"	-	-	STR.
A37L	#6	26	28'-4"	-	-	STR.
A38L	#6	2	28'-6"	-	-	STR.
A39L	#6	1	27'-4"	-	-	STR.
A40L	#6	3	33'-8"	-	-	2 1/2"
A41L	#6	2	29'-9"	-	-	STR.
A42L	#6	7	17'-0"	-	-	STR.
A43L	#6	9	33'-0"	-	-	STR.
A44L	#6	7	40'-1"	-	-	STR.
A45L	#6	9	24'-1"	-	-	STR.
A46	#4	122	12'-0"	2'-7 1/2"	3'-7 1/2"	1 1/2"
A47L	#4	31	14'-6"	3'-7 1/2"	4'-7 1/2"	1 1/2"
A48L	#7	12	18'-0"	-	-	STR.
A49L	#7	12	6'-4"	-	-	STR.
A50L	#7	10	18'-5"	-	-	5 1/4"
A51L	#7	14	5'-10"	-	-	5 1/4"
A52L	#6	18	11'-11"	10'-0"	6"	4 1/2"
A53L	#6	26	6'-11"	5'-6"	0"	4 1/2"
A54L	#4	4	27'-4"	-	-	STR.
A55L	#4	4	27'-10"	-	-	STR.
A56L TO A59L	#4	8 (2EA)	10'-9" TO 11'-0" (4" INCR.)	1'-7"	3'-5 3/4" TO 3'-11 3/4"	1 1/2"
AGG TO AGG	#4	7 (1EA)	12'-1" TO 14'-11" (4" INCR.)	1'-7"	4'-1 3/4" TO 5'-1 3/4"	1 1/2"
T01	#6	12	5'-0"	-	-	STR.
T02	#9	8	5'-1"	-	-	1 1/4"



ELEVATION

Scale: 3/8" = 1'-0"



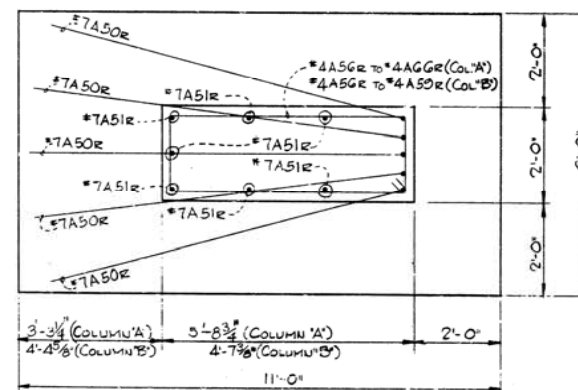
DETAIL OF PILE TIP REINFORCEMENT

Scale: 1" = 1'-0"

PILE TIP REINFORCEMENT NOT TO BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE ITEM "STEEL BEARING PILING".

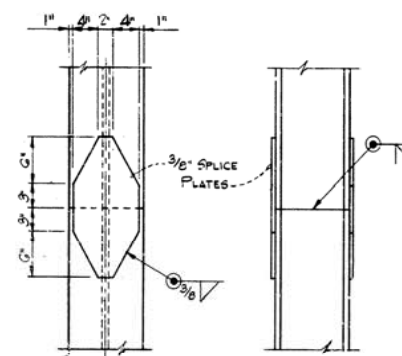
GENERAL NOTES:

- ALL CONCRETE TO BE CLASS "S". ALL EXPOSED CONCRETE TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.
- REINFORCING STEEL SHALL BE DEFORMED BARS OF INTERMEDIATE OR HARD GRADE. SHOP LISTS AND BENDING DIAGRAMS SHALL BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN. ALL BARS SHALL BE LAPPED 40 BAR DIAMETERS.
- ALL PILING SHALL BE 12BP53 TO BE DRIVEN TO A MINIMUM CAPACITY OF 70 TONS PER PILE.
- ALL STRUCTURAL STEEL, EXCEPT STEEL PILING, SHALL BE A.S.T.M. A-36 UNLESS OTHERWISE NOTED.
- FOR ADDITIONAL NOTES SEE DWG. 17412
- FOR ADDITIONAL DETAILS SEE DWG. 17423
- THE 1" BITUMINOUS FELT JOINT WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE ITEM OF CLASS "S" CONCRETE.
- UNLESS OTHERWISE NOTED ALL BARS SHALL HAVE 2" CONCRETE PROTECTION.



PLAN OF FOOTING

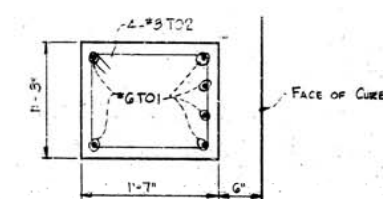
Scale: 1/2" = 1'-0"



PILE SPICE DETAIL

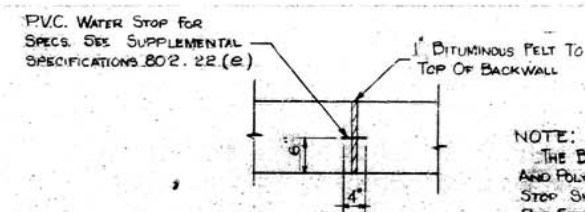
Scale: 1" = 1'-0"

THE CONTRACTOR MAY FOR HIS CONVENIENCE AND AT HIS EXPENSE PROVIDE AS MANY AS THREE SPICES PER PILE. MINIMUM SPACING BETWEEN SPICES SHALL BE FIVE (5) FEET.



END POST DETAIL

Scale: 1" = 1'-0"



WALL EXPANSION JOINT DETAIL

Scale: 3/4" = 1'-0"

NOTE:
THE BITUMINOUS FELT JOINT AND POLYVINYLCHLORIDE WATER STOP SHALL BE MEASURED AND PAID FOR AS CLASS "S" CONCRETE SEE SECTION D-D DWG. 17423

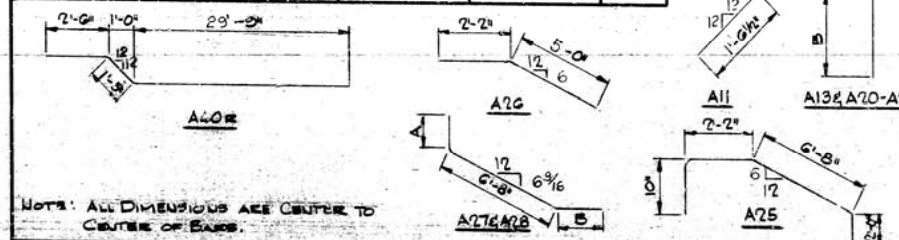
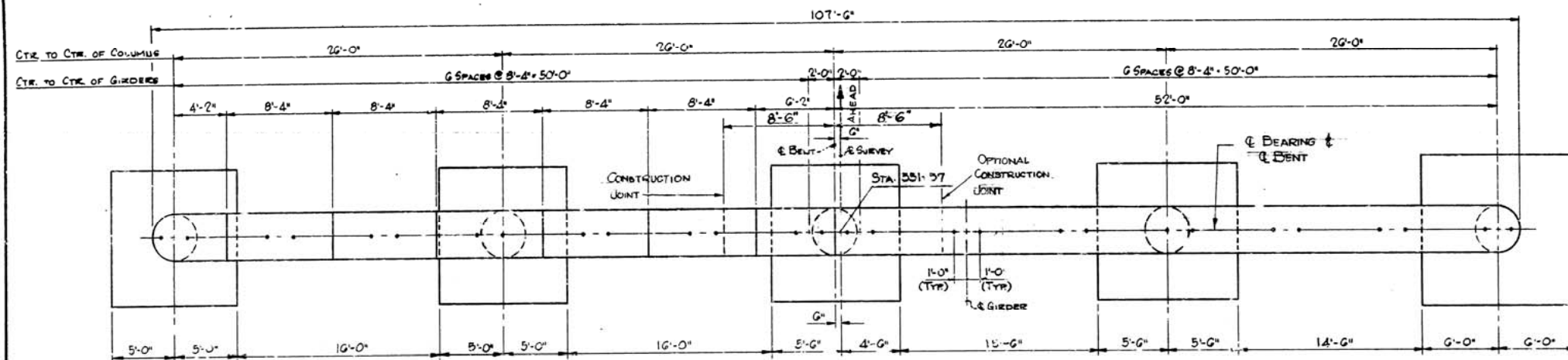


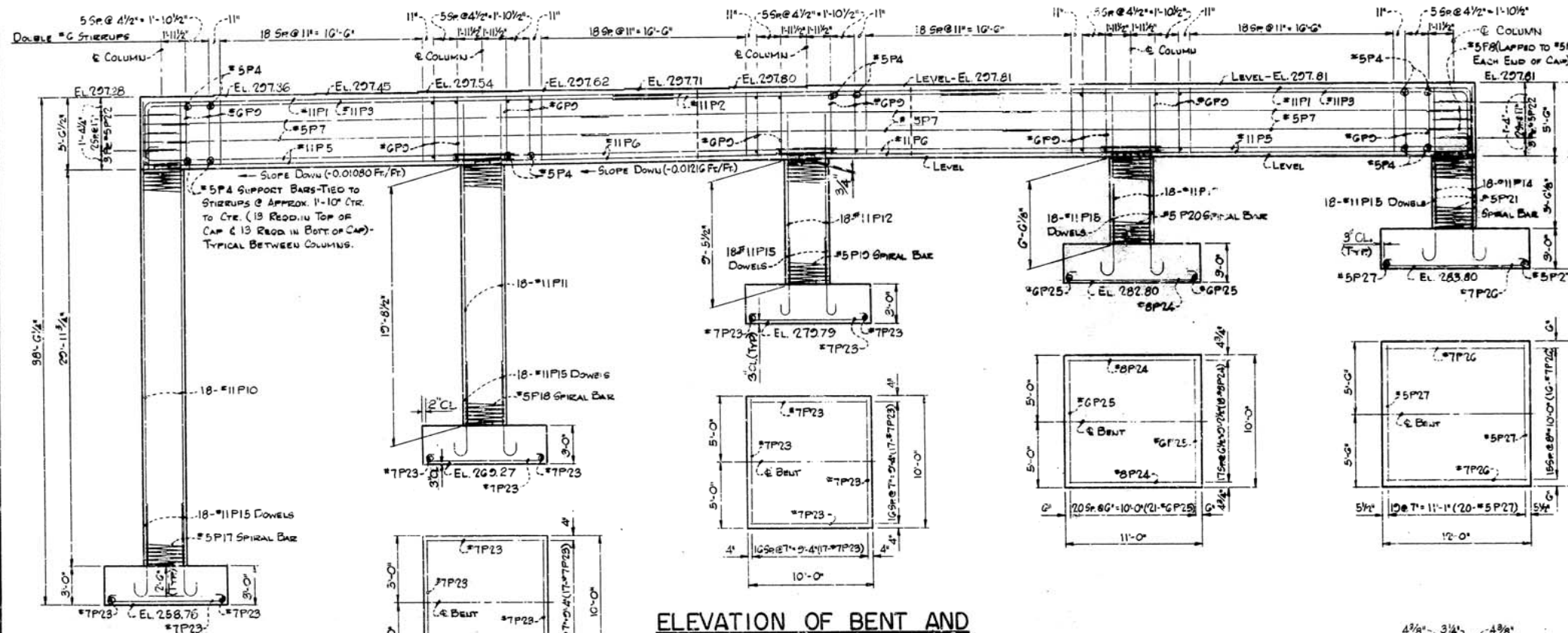
TABLE OF ELEVATIONS

ELEVATION	A	B	C	D	E	F	G	H	J	K	L
LT. R.W.Y.	805.57	808.35	806.10	806.08	809.42	809.50	809.59	809.68	809.76	809.85	809.94
RT. R.W.Y.	805.57	808.35	806.10	806.08	809.43	809.51	809.60	809.69	809.77	809.86	809.95

END BENT 1		ARKANSAS RIVER BRIDGE	
PULASKI COUNTY		INT. ROUTE 430 SEC. 2	
ARKANSAS STATE HIGHWAY COMMISSION			
LITTLE ROCK, ARK.			
DRAWN BY: C.S.	DATE: 9-15-70	SCALE: AS SHOWN	
TRACED BY: C.S.	DATE: 9-15-70		
CHECKED BY: D.E.M.	DATE: 3/71		
BRIDGE NO. 5320		DRAWING NO. 17424	

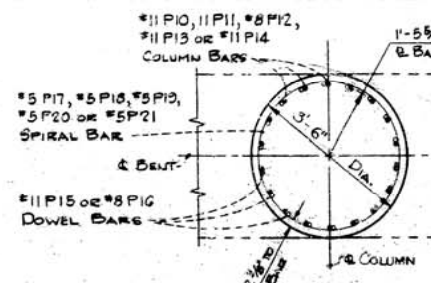
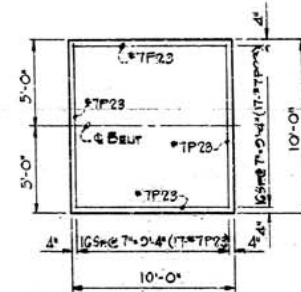


PLAN
Scale: 3/16" = 1'-0"



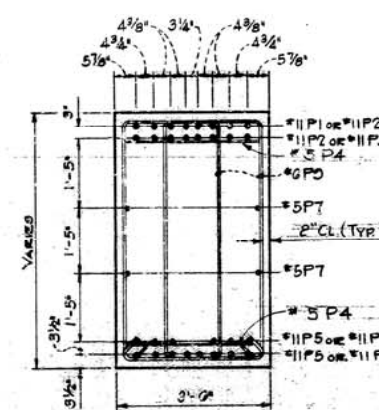
**ELEVATION OF BENT AND
PLAN OF FOOTINGS**

Scale: 3/16" = 1'-0"



SECTION THRU COLUMN

Scale: 1/2" = 1'-0"



SECTION THRU CAP

Scale: 1/2" = 1'-0"

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	TR. AND BLK.	FILE NO.	DATE REVISED	DATE FILMED
				6	ARK.	1-430-2 (90) 13	25	78	

Bent 2 17425

BAR LIST

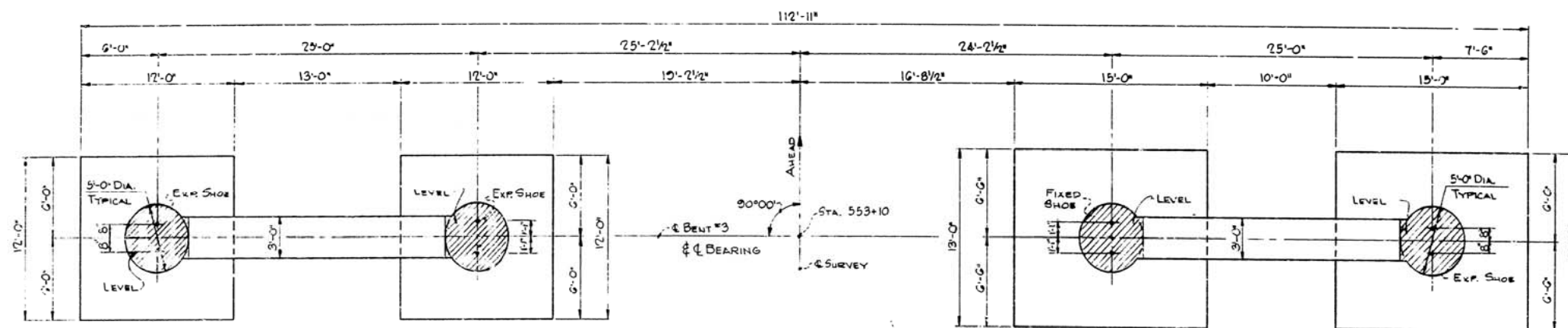
MARK	SIZE	NO. REQD.	LENGTH	A	B	FIN DIA.	BENDING DIAGRAM
P1	#11	16	44'-10"	40'-0 3/4"	5'-0"	1 1/8"	A
P2	#11	16	32'-8"	-	-	STR.	A
P3	#11	16	44'-10"	39'-0"	4'-0"	1 1/8"	A
P4	#5	104	5'-2"	-	-	STR.	A
P5	#11	28	29'-7"	28'-1"	1'-0"	1 1/8"	A
P6	#11	28	30'-8"	-	-	STR.	A
P7	#5	12	36'-1"	-	-	STR.	A
P8	#5	4	5'-0"	-	-	STR.	A
P9	#6	248	15'-4"	-	-	STR.	A
P10	#11	18	35'-9"	-	-	STR.	A
P11	#11	18	24'-5"	-	-	STR.	A
P12	#11	18	12'-10"	-	-	STR.	A
P13	#11	18	11'-2"	-	-	STR.	A
P14	#11	18	10'-0"	-	-	STR.	A
P15	#11	90	8'-8"	7'-2"	1'-0"	1 1/8"	A
P17	#5	1	1043'-0"	30'-2"	-	-	A
P18	#5	1	693'-0"	10'-11"	-	-	A
P19	#5	1	351'-0"	9'-8"	-	-	A
P20	#5	1	253'-0"	6'-8 1/2"	-	-	A
P21	#5	1	224'-0"	5'-8 1/2"	-	-	A
P22	#5	12	7'-5"	-	-	-	A
P23	#7	102	17'-1"	9'-5"	7"	5/8"	A
P24	#8	18	12'-8"	10'-5"	9"	8"	A
P25	#6	21	10'-10"	9'-5"	6"	1 1/4"	A
P26	#7	16	13'-1"	11'-5"	7"	5/8"	A
P27	#5	20	11'-8"	10'-5"	5"	3/4"	A

NOTE: ALL DIMENSIONS ARE CENTER TO CENTER OF BARS.
ALL SPIRALS TO HAVE 1 1/2 EXTRA TURNS
AT TOP AND BOTTOM.

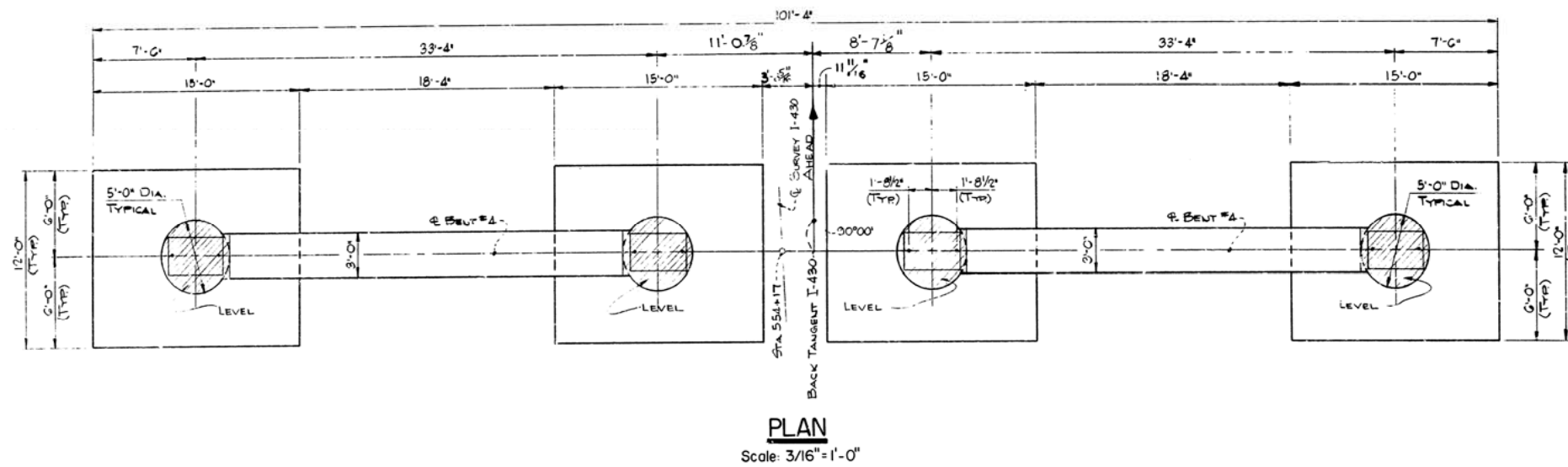
GENERAL NOTES:

1. ALL CONCRETE SHALL BE CLASS "S" AND SHALL BE PLACED IN THE DRY. ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.
2. REINFORCING BARS TO BE DEFORMED BARS OF INTERMEDIATE OR HARD GRADE STEEL. SHOP LISTS AND BENDING DIAGRAMS SHALL BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.
3. CONSTRUCTION JOINTS SHALL BE HORIZONTAL OR AS SHOWN AND SHALL BE PROVIDED WITH KEYS NOT LESS THAN THREE INCHES (3") HIGH COVERING THE MIDDLE THIRD OF BOTH DIMENSIONS.
4. SPACERS SHALL BE PLACED ON ALL SPIRAL BARS. THE CONTRACTOR SHALL DETERMINE THE SIZE AND NUMBER REQUIRED. NO DIRECT PAYMENT WILL BE MADE FOR SPACERS, THEY ARE TO BE CONSIDERED SUBSIDIARY TO THE ITEM OF REINFORCING STEEL. ALL SPIRAL BARS TO BE ASTM A 496.
5. FOR ADDITIONAL NOTES SEE DWG. 17412.
6. FOR STAKEOUT PLAN SEE DWG. NO. 17418.

<p align="center">BENT 2 ARKANSAS RIVER BRIDGE PULASKI COUNTY INT. ROUTE 430 SEC. 2 ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.</p>			
<p>DRAWN BY: C.S. DATE: 10/7/70</p> <p>TRACED BY: S.T. DATE: 10/9/70</p> <p>CHECKED BY: S.T. DATE: 10/9/70</p>	<p>BRIDGE NO. 5320</p> <p>DRAWING NO. 17425</p>		

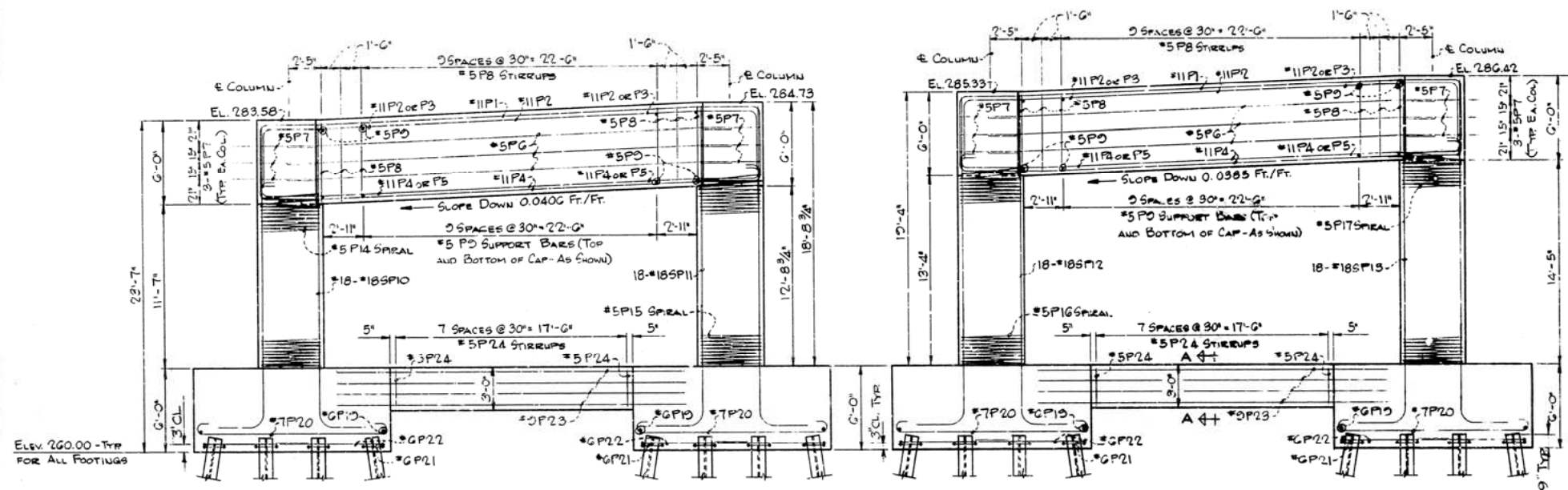


① Bent 4 17427



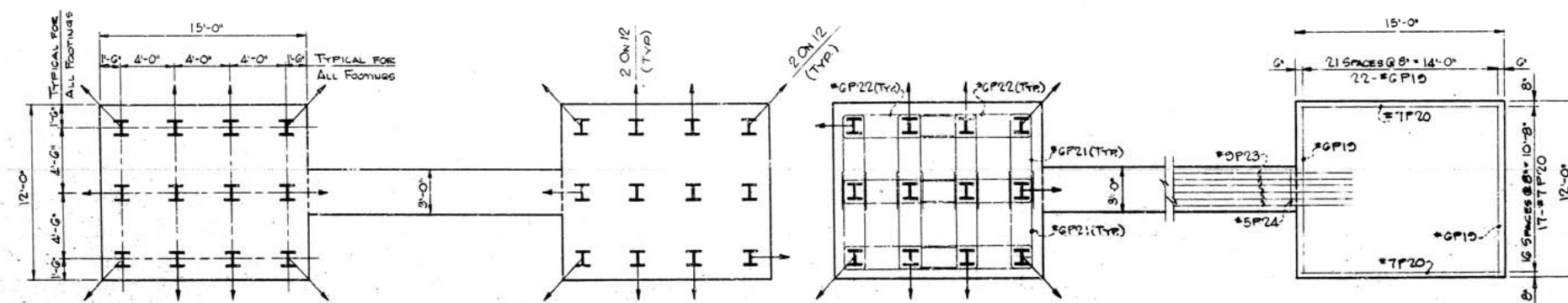
PLAN

Scale: $3/16" = 1'-0"$



ELEVATION

Scale: $3/16" = 1'-0"$



NOTES: 1. PILING SHALL BE BATTERED
2 ON 12-IN DIRECTION SHOWN.
2. ALL PILING SHALL BE
12 SP 55.

PLAN OF FOOTINGS

Scale: $3/16" = 1' - 0"$

BAR LIST

MARK	SIZE	No REQD.	LENGTH	A	B	PIN Dia.
P1	#11	12	40'-0"	37'-4 $\frac{1}{2}$ "	4'-8"	11 $\frac{1}{2}$ "
P2	#11	4	45'-5"	30'-6 $\frac{1}{2}$ "	4'-8"	11 $\frac{1}{4}$ "
P3	#11	16	14'-8"	10'-9"	4'-8"	11 $\frac{1}{4}$ "
P4	#11	16	40'-1"	37'-1"	12'	11 $\frac{1}{2}$ "
P5	#11	16	11'-0"	-	-	11 $\frac{1}{4}$ "
P6	#5	12	33'-4"	-	-	STEEL
P7	#5	12	8'-3"	-	-	-
P8	#5	28	17'-1"	5'-7"	2'-7"	13 $\frac{1}{4}$ "
P9	#5	48	7'-8"	-	-	STEEL
P10	#18S	18	24'-3"	21'-7"	3'-6"	24
P11	#18S	18	25'-5"	22'-9"	3'-6"	24
P12	#18S	18	26'-0"	23'-4"	3'-6"	24
P13	#18S	18	27'-1"	24'-5"	3'-6"	24
P14	#5	1	636'-0"	11'-10"	-	-
P15	#5	1	694'-0"	13'-0"	-	-
P16	#5	1	723'-0"	13'-7"	-	-
P17	#5	1	766'-0"	14'-8"	-	-
P18	#6	88	12'-10"	11'-5"	6"	4 $\frac{1}{2}$ "
P19	#7	68	16'-1"	14'-5"	7"	5 $\frac{1}{2}$ "
P20	#6	32	14'-5"	6'-0"	1'-0"	2 $\frac{1}{4}$ "
P21	#6	24	17'-5"	8'-0"	1'-0"	2 $\frac{1}{4}$ "
P22	#5	32	26'-4"	-	-	STEEL
P23	#5	16	11'-2"	2'-7 $\frac{1}{4}$ "	2'-7 $\frac{1}{4}$ "	13 $\frac{1}{4}$ "

BENDING DIAGRAM

P1 & P2

P3, P10, P11, P12 & P13

P4, P10 & P20

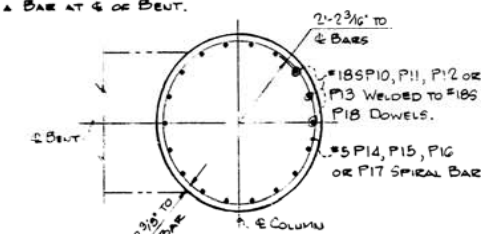
P5

P6 & P24

P8 & P22

NOTE: ALL DIMENSIONS ARE CENTER TO CENTER OF BARS.
ALL SPIRALS TO HAVE $1\frac{1}{2}$ EXTRA TURNS
AT TOP AND BOTTOM.

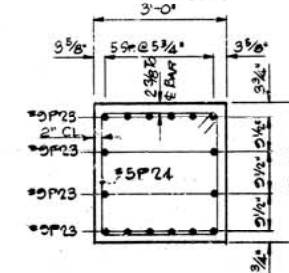
NOTE:
CARE SHALL BE EXERCISED WHEN PLACING
DOWELS SO COLUMN BARS WILL NOT
INTERFERE WITH CAP STEEL. DOWELS
ARE TO BE EQUALLY SPACED, BEGINNING
WITH A BAR AT 4" OR BENT.



TYPICAL SECTION

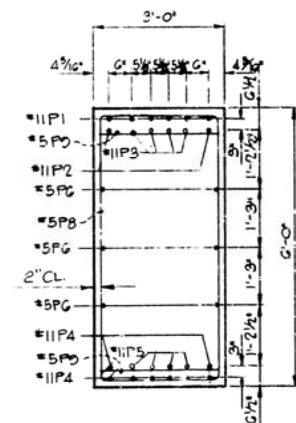
THRU COLUMN

Scale: $3/8" = 1'-0"$



SECTION A-A

Scale: $1/2'' = 1'-0''$



TYPICAL SECTION

THRU CAP

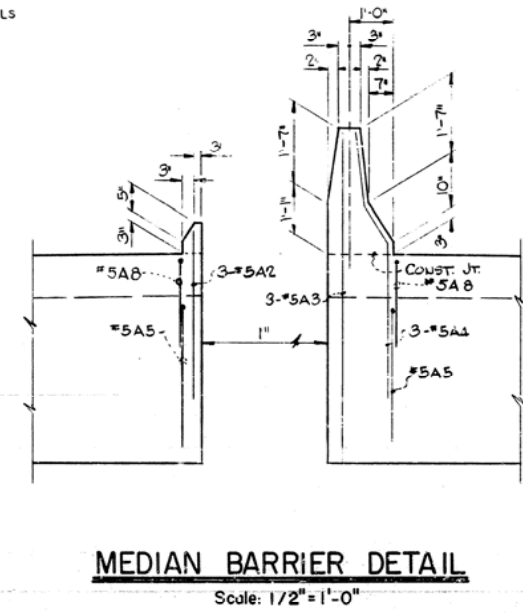
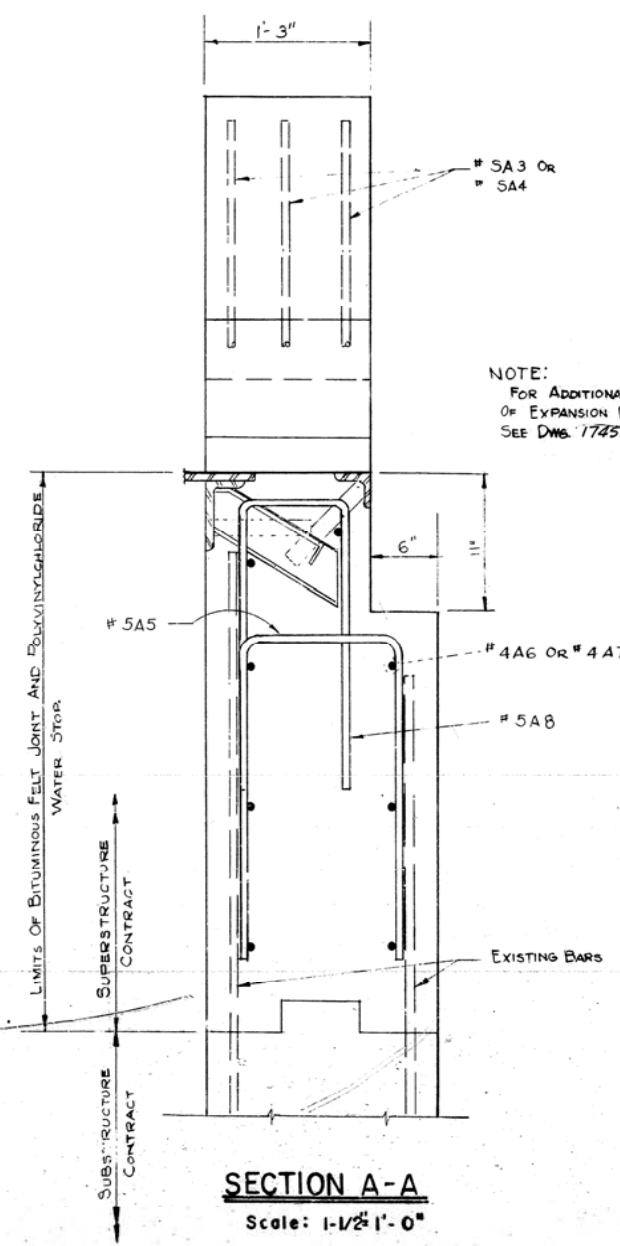
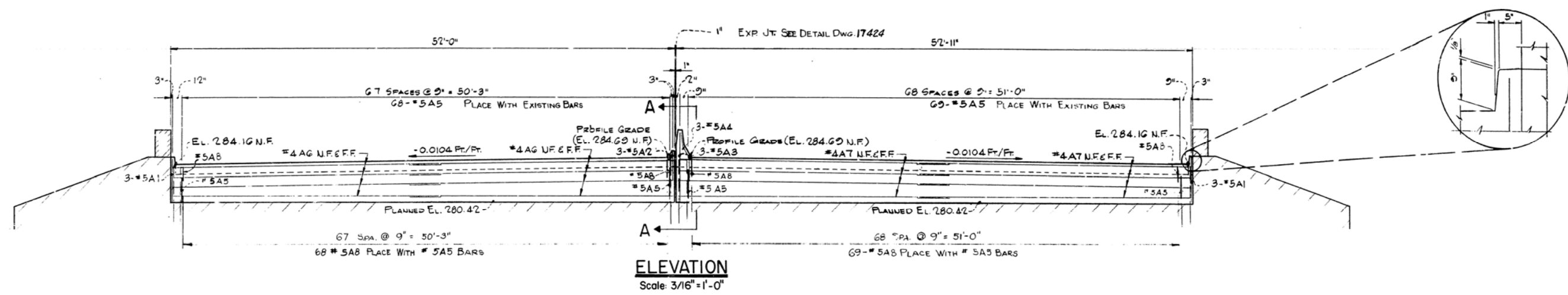
Scale: $1/2" = 1'-0"$

NOTE:
FOR NOTES SEE DRAWING NO. 17425.

BENT 4
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: C.S.	DATE: 10/22/70	SCALE: AS SHOWN
TRACED BY:	DATE:	
CHECKED BY: S.T.	DATE: 11/70	
BRIDGE NO. 5320		DRAWING NO. 17427

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90) 139		28	78
				JOB NO.		6852			
				② End Bent 24 / 7428					



MARK	SIZE	No	LENGTH	PIU DIA.
A1	#5	6	4'-4"	STR.
A2	#5	3	2'-7"	STR.
A3	#5	3	6'-6"	STR.
A4	#5	3	4'-8"	2"
A5	#5	137	5'-6"	2"
A6	#4	16	26'-8"	STR.
A7	#4	16	27'-2"	STR.
A8	#4	137	5'-0"	2"

BAR LIST

BENDING DIAGRAM

NOTE:

FOR ADDITIONAL DETAILS OF EXPANSION DEVICE SEE DWG. 17452

NOTE:

ALL DIMENSIONS ARE CENTER TO CENTER OF BARS.

- NOTES:
1. THE CONTRACTOR SHALL THOROUGHLY CLEAN THE EXISTING CONCRETE & REINFORCING STEEL BEFORE PLACING ANY NEW CONCRETE. THE COST OF THIS CLEANING WILL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "S" CONCRETE.
 2. ALL REINFORCING STEEL TO HAVE 2" CONCRETE PROTECTION.
 3. FOR GENERAL NOTES SEE DRAWING NO. 17424.

END BENT 24

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

INT. ROUTE 430 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: C.E. DATE: 10/30/70

TRACED BY: ST DATE: 11/30

CHECKED BY: ST DATE: 11/30

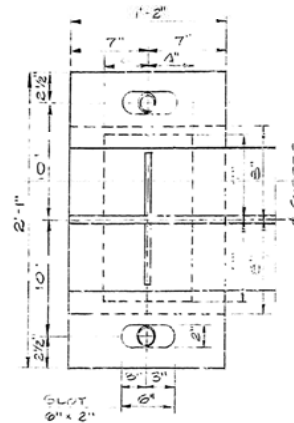
BRIDGE NO. 5320

DRAWING NO. 17428

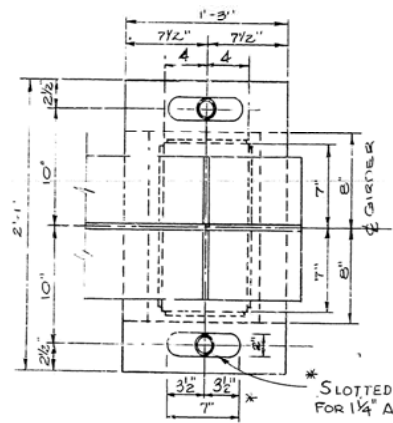
SCALE: AS SHOWN

BRIDGE ENGINEER

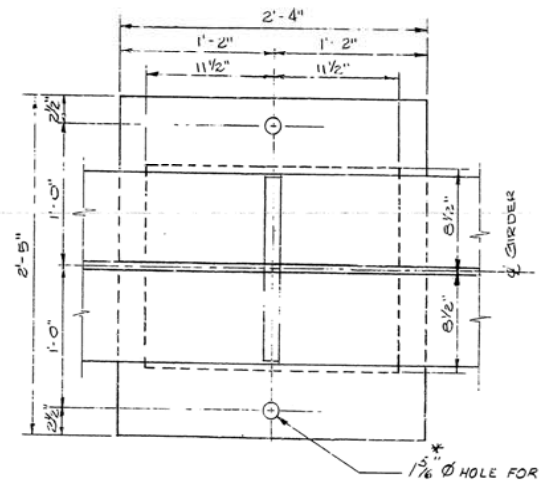
REVISED	FILED	REVISED	FILED	NO.	STATE	PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
#10-20-71	510-10-28-71			6	ARK	1-430-2 (90)139	30	78	
				Misc. Steel Details - Unit 1 17430					



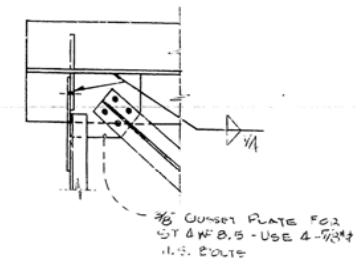
PLAN



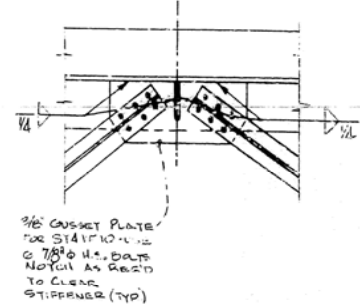
PLAN



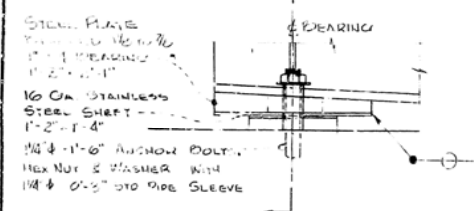
PLAN



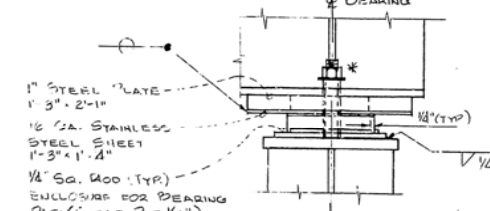
DETAIL A



DETAIL B

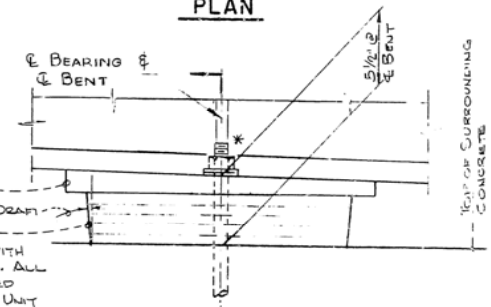


ELEVATION

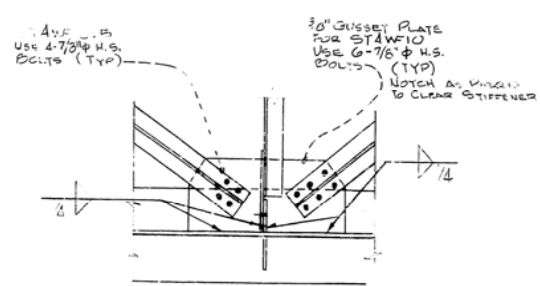


ELEVATION

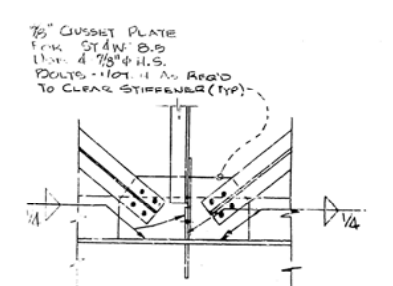
STEEL PLATE
BEVELED 1/8" TO 7/8"
1" & DEADING
2'-4" x 2'-5"
2" MAX PERMISSIBLE MOLD DRAFT
(5) 0.85" LAYERS OF EO
OUTERMOST ELASTOMER WITH
(4) 1/16" LAMINATE PLATES. ALL
COMPONENTS TO BE MOLDED
TOGETHER AS AN INTEGRAL UNIT



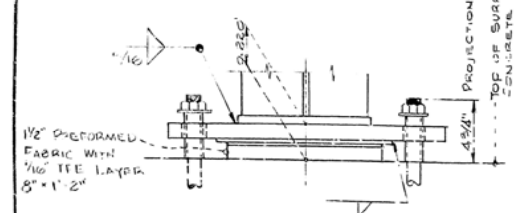
ELEVATION



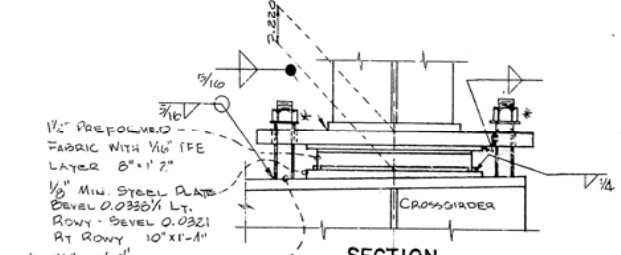
DETAIL C



DETAIL D

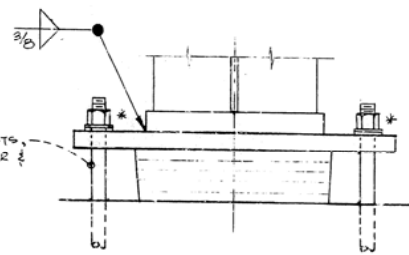


SECTION

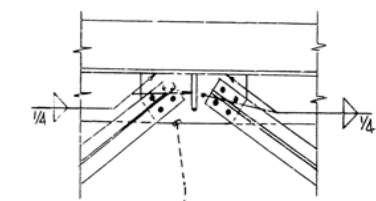


SECTION

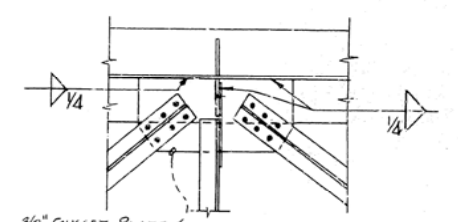
1/4" x 1'-6" ANCHOR BOLTS
* HEX NUT & 1 FELT WASHER &
1 PLAIN WASHER
7/16" BOLT PROJECTION



SECTION



DETAIL E

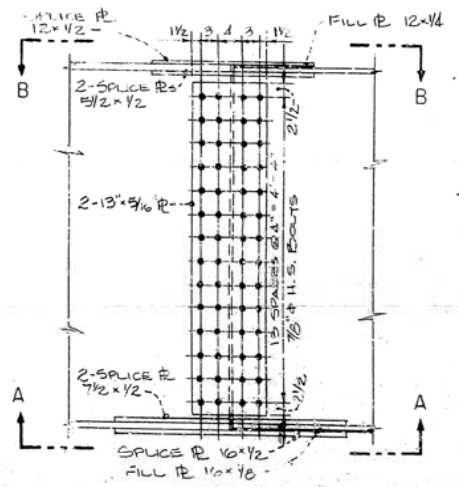


DETAIL F

EXPANSION SHOE - BENT 1

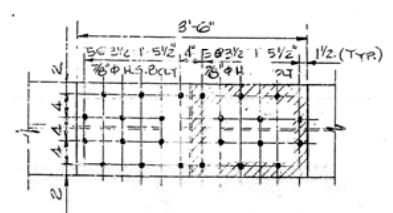
EXPANSION SHOE - BENT 4 CROSS GIRDER

FIXED SHOE - BENT 2

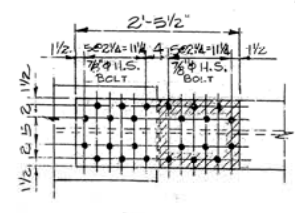


ELEVATION

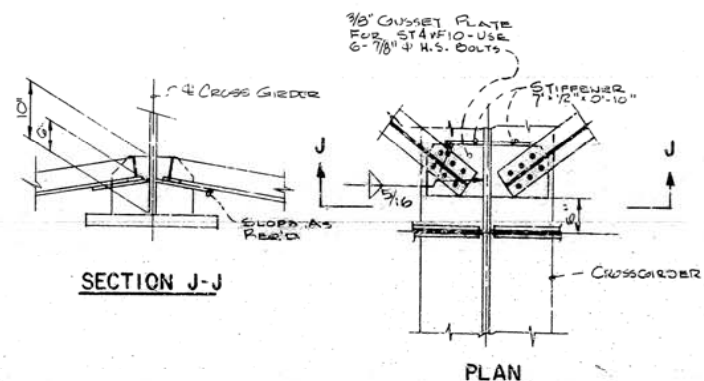
DETAILS OF FIELD SPLICE - SPAN 2



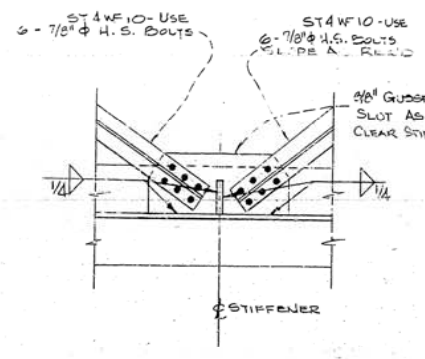
SECTION A-A



SECTION B-B



DETAIL H



DETAIL G

NOTE:
1. FOR FRAMING PLAN, GIRDER ELEVATION AND
LOCATION OF DETAILS SEE DWG. NO. 17429

MISCELLANEOUS STEEL DETAILS - UNIT I

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

INT. ROUTE 430 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

BRIDGE ENGINEER

BRIDGE NO. 5320

DRAWING NO. 17430

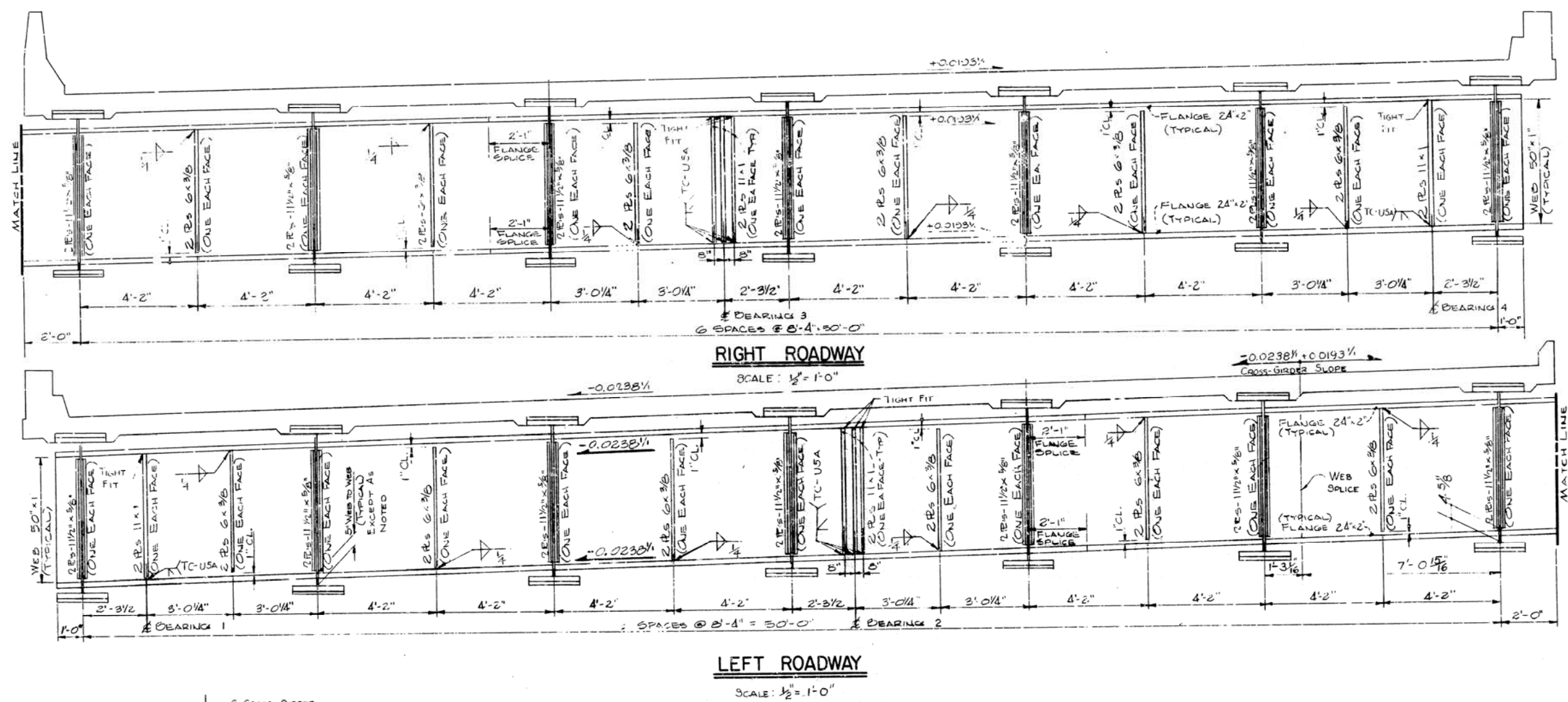
SCALE NONE

DATE 6/70

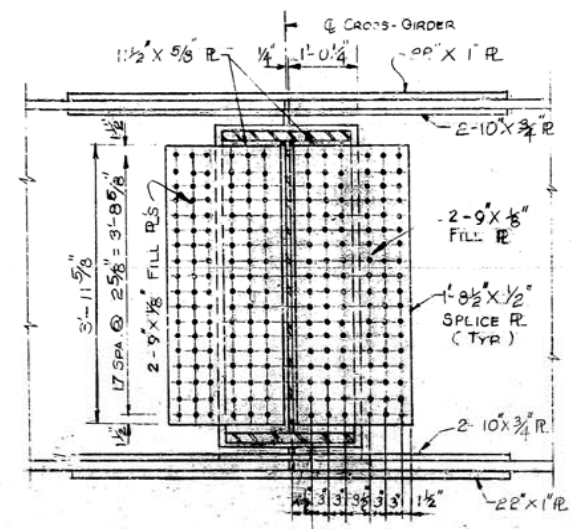
DATE 11/70

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90) 139		31	78
				JOB NO.		6852			

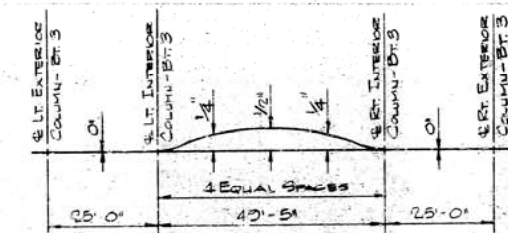
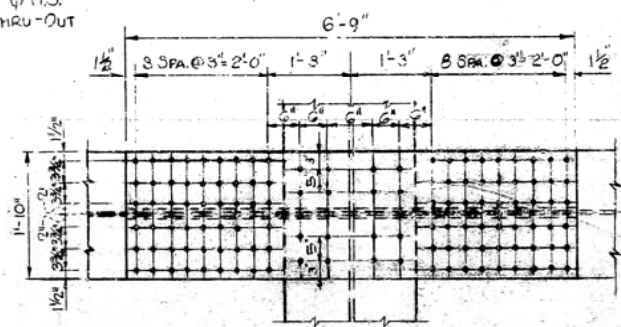
① Cross - Girder At Bent 3 17431



NOTE CHANGE OF SLOPE OF CROSS-GIRDER AT WEB SPLICE BEWD FLANGE AS REQ'D TO MATCH SLOPE OF WEB



NOTE:
USE 7/8" Ø H.S.
BOLTS THRU-OUT



NOTES:

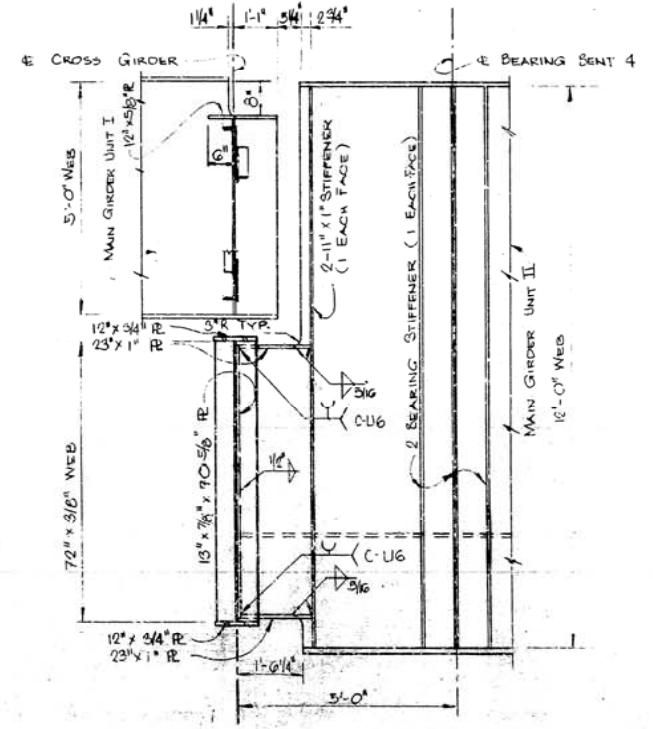
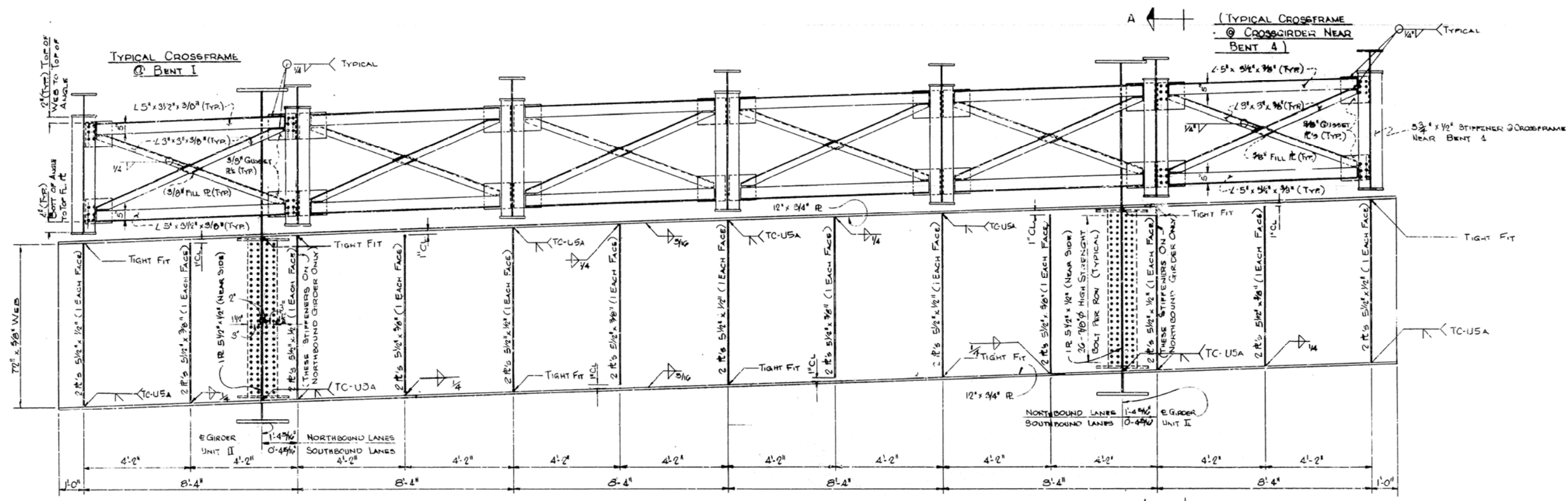
- FOR LONGITUDINAL GIRDER DETAILS SEE DWG. 17429
 - CROSS GIRDER WEB AND FLANGES TO BE A.S.T.M. A 368 STEEL
STIFFENERS TO BE A.S.T.M. A-36 STEEL
 - FOR BEARING DETAILS SEE DWG. 17446.
- SPLICE FOR LONGITUDINAL GIRDER:
SPLICE MATERIAL - TO BE ASTM A 588 STEEL.

CROSS-GIRDER AT BENT 3
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: K.E.G. DATE: 6-22-70 TRACED BY: DATE: 10/70 CHECKED BY: DEM. DATE: 10/70	SCALE: AS SHOWN BRIDGE NO. 5320 DRAWING NO. 17431
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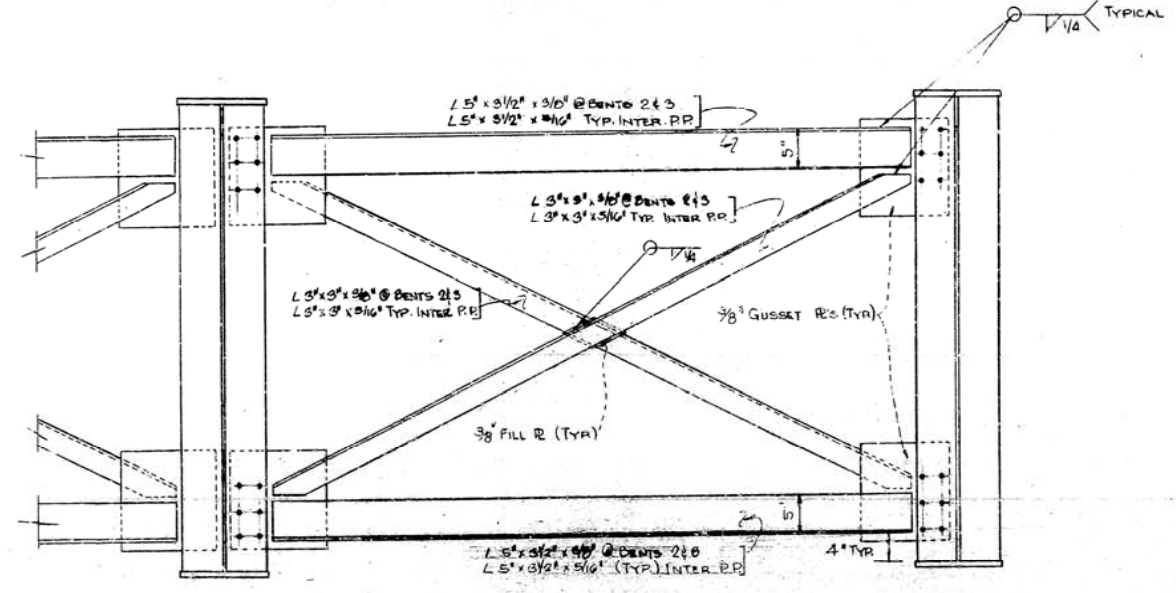
DATE REVISION	DATE FILMED	DATE REVISION	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (1981)		32	78
				JOB NO. 6852					

① Cross Girder Near Bent 4 17432



SECTION A-A

CROSS GIRDER ELEVATION



TYPICAL CROSSFRAME DETAIL

(Except @ Bent 1 & Crossgirder Near Bent 4)
Scale: 1" = 1'-0"

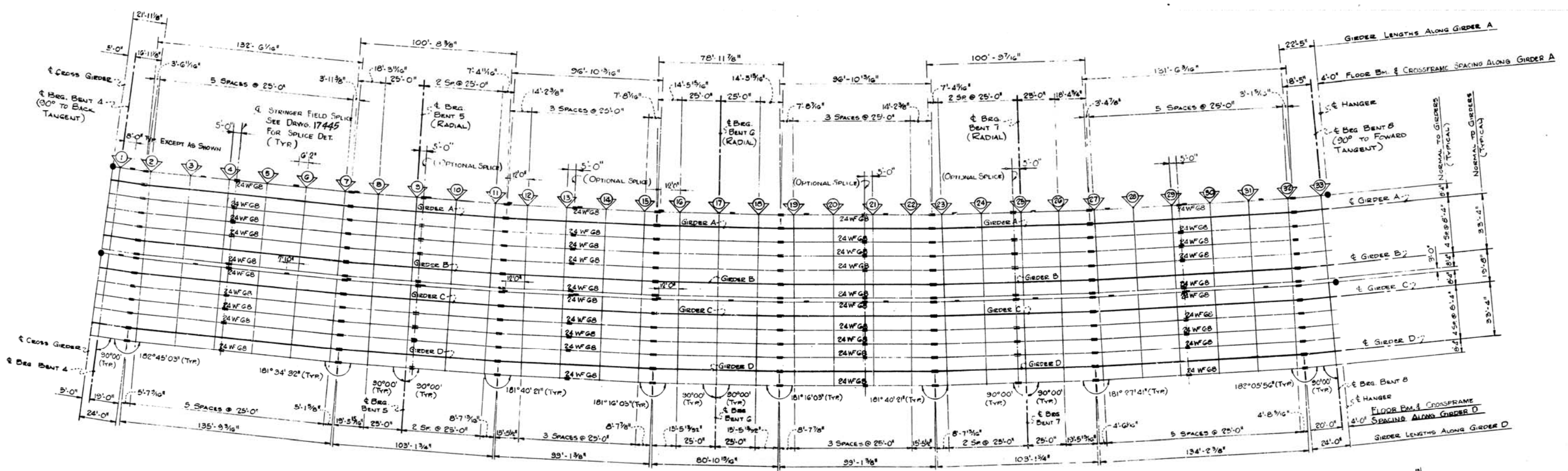
- NOTES:
1. FOR WELD SIZES SEE TABLE DWG. NO. 17454.
 2. FOR STRUCTURAL STEEL NOTES SEE DWG. NO. 17453.
 3. ALL STEEL IN CROSS GIRDER ASTM A-36.
 4. NO CAMBER REQ'D.

CROSS GIRDER NEAR BENT 4 ARKANSAS RIVER BRIDGE PULASKI COUNTY INT. ROUTE 430 SEC. 2 ARKANSAS STATE HIGHWAY COMMISSION <small>LITTLE ROCK, ARK.</small>	
<small>DRAWN BY: DGG/FA DATE: 11-8-79</small> <small>TRACED BY: DATE:</small> <small>CHECKED BY: D.E.M. DATE: 3/71</small>	<small>SCALE: 1/2" = 1'-0" & AS SHOWN</small>
BRIDGE NO. 5320	DRAWING NO. 17432

BRIDGE ENGINEER

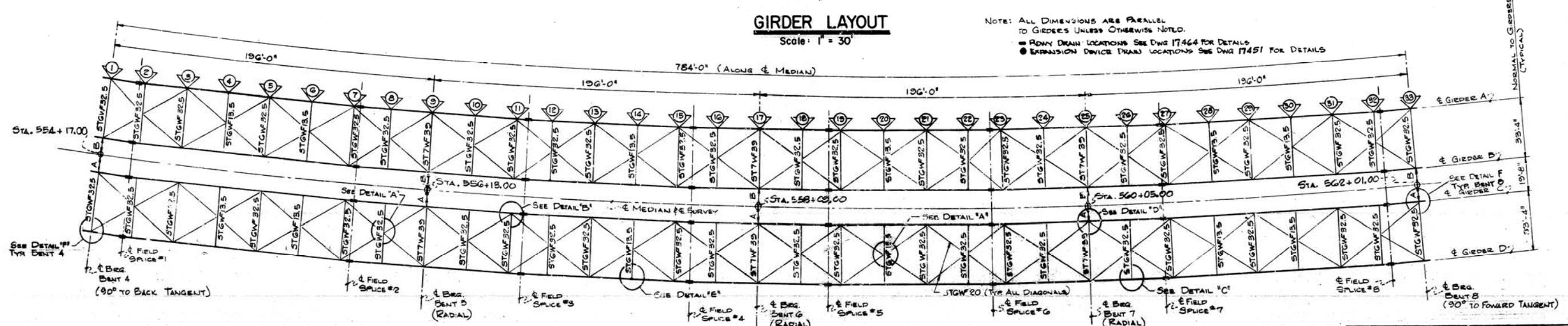
DATE REVISION	DATE FILMED	DATE REVISION	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (190) 139		33	78
				JOB NO.		6852			

① Framing Plan - Unit II / 7433



GIRDER LAYOUT
Scale: 1" = 30'

NOTE: ALL DIMENSIONS ARE PARALLEL TO GIRDERS UNLESS OTHERWISE NOTED.
 - RAINY DRAIN LOCATIONS SEE DWG 17444 FOR DETAILS
 - EXPANSION DEVICE DRAIN LOCATIONS SEE DWG 17451 FOR DETAILS



LATERAL SYSTEM LAYOUT
Scale: 1" = 30'

TABLE OF DIMENSIONS

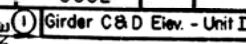
LOCATION	BENT 4	BENT 5	BENT 6	BENT 7	BENT 8
A	9'-7 1/8"	9'-7 1/8"	9'-8 1/8"	9'-7 1/8"	10'-0 1/8"
B	10'-0 3/8"	10'-0 1/8"	9'-11 1/8"	10'-0 1/8"	9'-7 1/8"

NOTE: DIMENSIONS ARE FROM & SURVEY TO & GIRDER.

NOTES:
 1. FOR DETAILS A THRU F SEE DWG. NO. 17436
 2. FOR GIRDER ELEVATIONS SEE DWG. NO. 17434 & 17435
 3. FOR FLOOR BEAM & STRINGER DETAILS SEE DWG. NO. 17445
 4. FOR STRUCTURAL STEEL NOTES SEE DWG. NO. 17438

FRAMING PLAN - UNIT II
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

DRAWN BY: D.G.G.	DATE: 9-24-70	SCALE: AS SHOWN
TRACED BY: _____	DATE: _____	
CHECKED BY: DEM.	DATE: 9/71	
BRIDGE NO. 5320	DRAWING NO. 17433	

174

Scale: 1/8" = 1'-0"

NOTE:

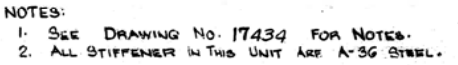
GRIDED 2 2 2 ELEVATION UNIT 1

DRAWN BY: D.G.G.:FA DATE: 9-29-70

DRAWN BY: D.G.G.:FA DATE: 9-29-70

CHECKED BY: SEM DATE: 5/11

① Girder A & B Elev. - Unit II 17435

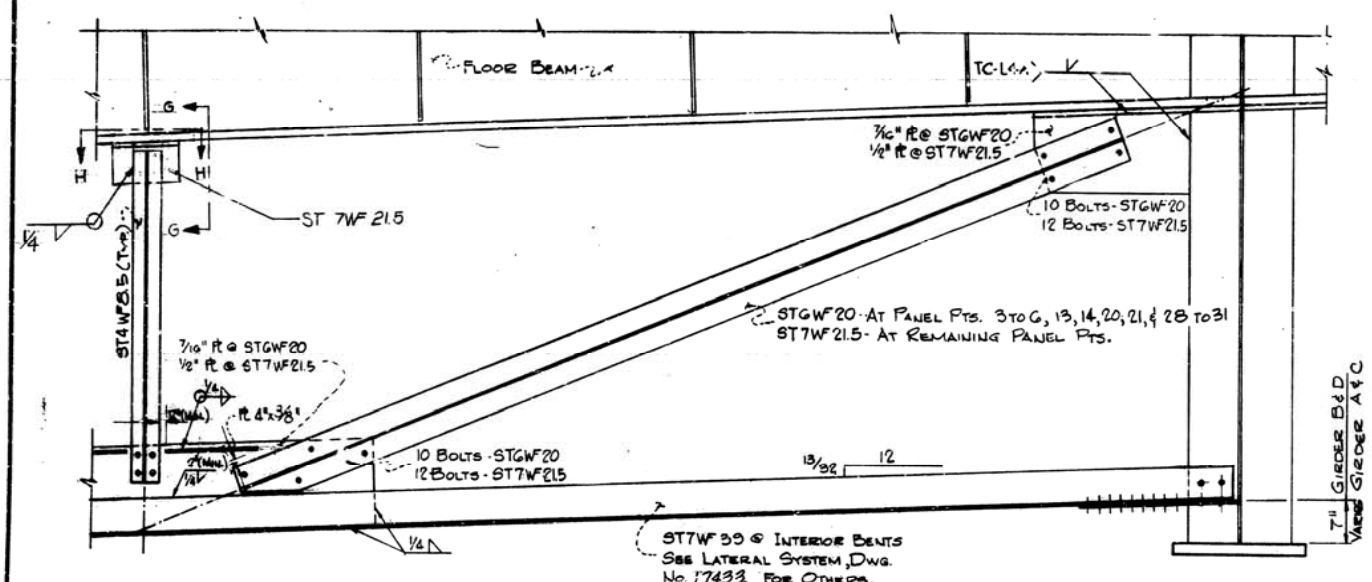


LITTLE ROCK, ARK.	
DRAWN BY: <u>D.G.G.</u>	DATE: <u>11-20-70</u>
TRACED BY: _____	DATE: _____
CHECKED BY: <u>D.E.M.</u>	DATE: <u>2/71</u>
BRIDGE NO. 5320	SCALE: $\frac{1}{8"} = 1'-0"$
	DRAWING NO. 17435

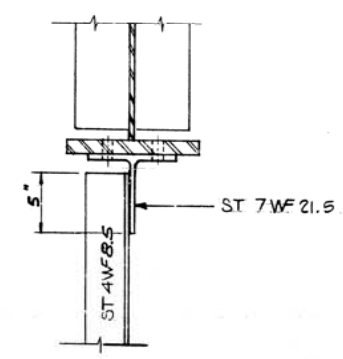
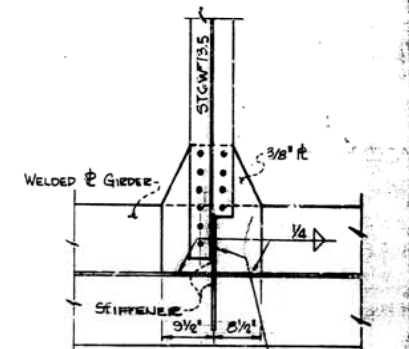
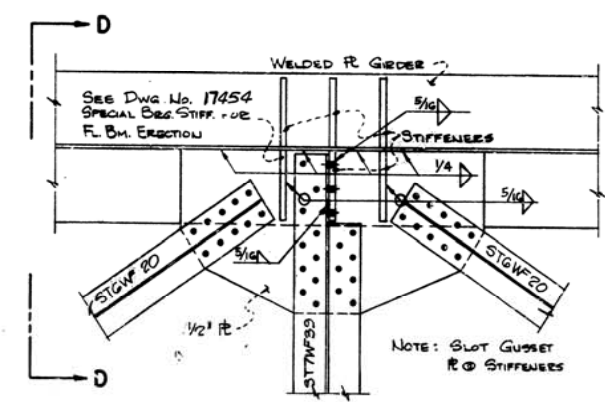
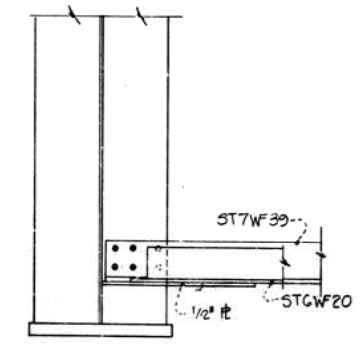
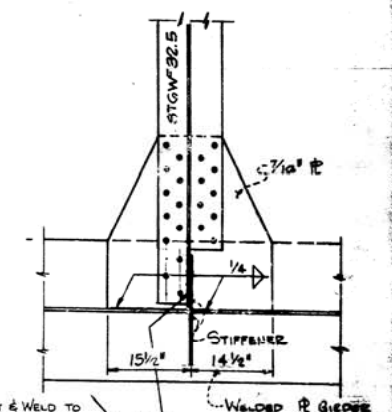
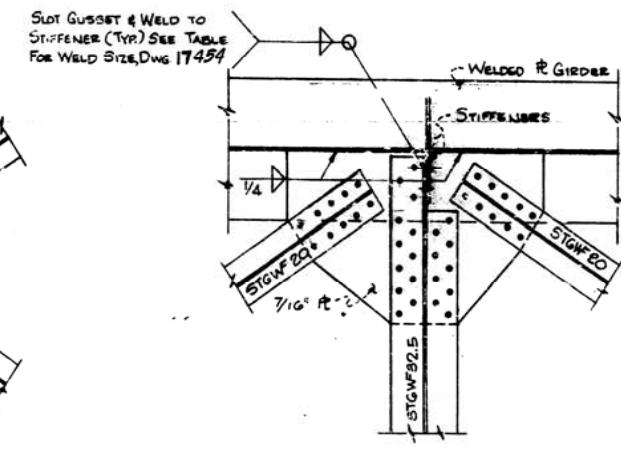
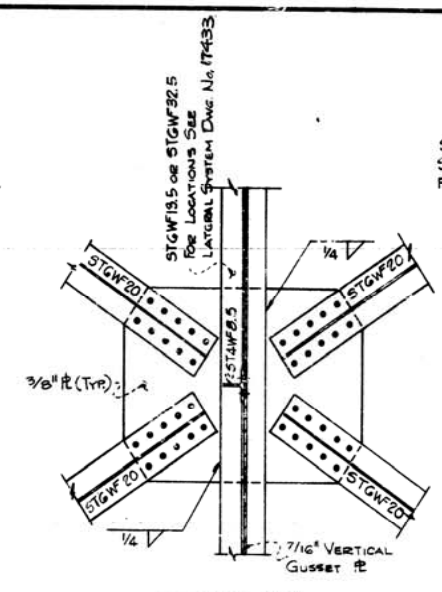
(A-56 STEEL) (A-500-STEEL)
ELEVATION OF GIRDER
(LOOKING AT LATERAL SIDE)

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (80) 139		36	78
				JOB NO. 6852					

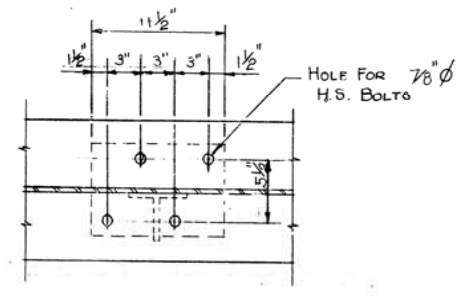
① Misc. Steel Details - Unit II 17436



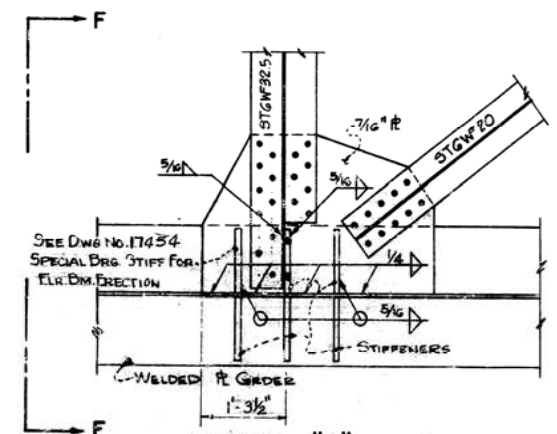
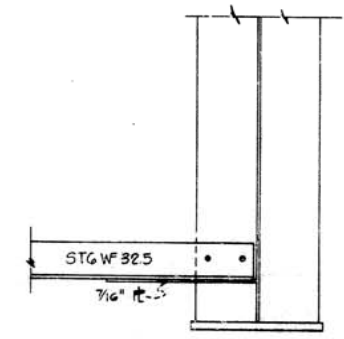
TYPICAL CROSSFRAME DETAIL



SCALE: 1 1/2" = 1'-0"



SCALE: 1 1/2" = 1'-0"



- NOTES:
1. FOR LOCATION OF DETAILS A THRU F SEE DWG. NO. 17433.
 2. FOR FLOOR BEAM CONNECTIONS AND DETAILS SEE DWG. NO. 17445.
 3. FOR TYPICAL WELDS AND MISC. STEEL DETAILS SEE DWG. NO. 17454.
 4. FOR STRUCTURAL STEEL NOTES SEE DWG. NO. 17453.
 5. STRUCTURAL STEEL FOR ALL LATERALS, CROSSFRAMES AND GUSSET PLATES IS ASTM DESIGNATION A-36.

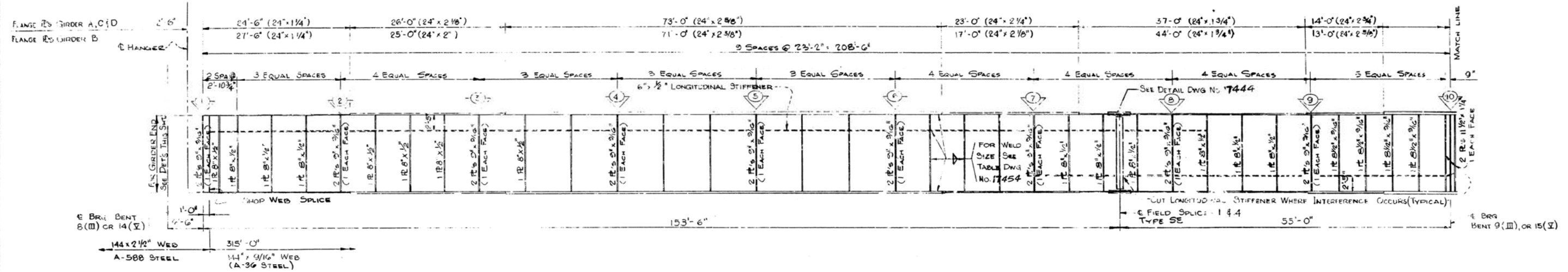
MISCELLANEOUS STEEL DETAILS
UNIT II
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

BRIDGE NO. 5320 DRAWING NO. 17436

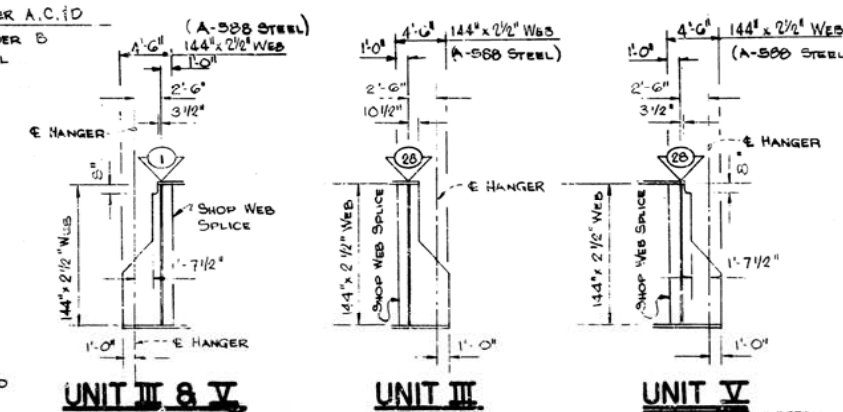
DATE: 10-3-70
CHECKED BY: D.E.M. DATE: 2/71
SCALE: 3/4" = 1'-0"

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (1901133)		37	76
				JOB NO.		6852			

① Fr. Plan & Gird. Elev. Unit III & V 17437



GIRDER ELEVATION
(LOOKING AT LATERAL SIDE)

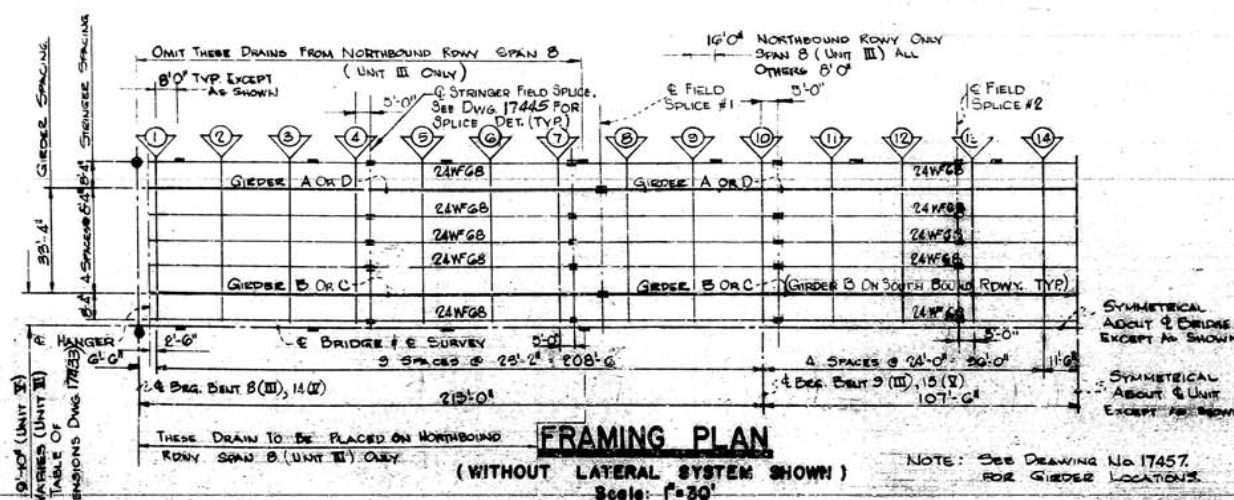


UNIT III & V
(SEE DWG 17454 FOR HANGER DETAIL)

UNIT III

UNIT V

- NOTES:**
1. ALL STIFFENERS TO BE 7"x7/16" EXCEPT AS SHOWN.
 2. ALL INTERMEDIATE STIFFENERS SHALL BE PLACED ON SAME FACE OF GIRDER AS LATERAL SYSTEM.
 3. INTERMEDIATE STIFFENER TO BE WELDED TO TOP FLANGE EXCEPT BETWEEN PANEL PTS. 7+113 WHICH SHALL BE WELDED TO BOTTOM FLANGE.
 4. LONGITUDINAL STIFFENERS TO BE PLACED ON OPPOSITE FACE OF GIRDER AS LATERAL SYSTEM.
 5. FOR SPlice DETAILS SEE DWG. NO. 17444.
 6. FOR LATERAL SYSTEM & CONNECTION DETAILS SEE DWG. NO. 17444.
 7. FOR TYP. WELDS AND OTHER MISC. STEEL DETAILS SEE DWG. NO. 17452.
 8. FOR FLOOR BEAM DETAILS SEE DWG. NO. 17445.
 9. ALL STIFFENERS TO BE A-36 STEEL.
 10. REFER TO SLAB SECTION FOR GIRDER LOCATIONS DWG. NO. 17457.
 11. ALL STIFFENERS SHALL HAVE A 1/2" HOLE 4'-0" ABOVE THE BOTTOM FLANGE & 4" FROM THE GIRDER WEB FOR WIRE ROPE.
 12. ALL PLANGES TO BE A-588.



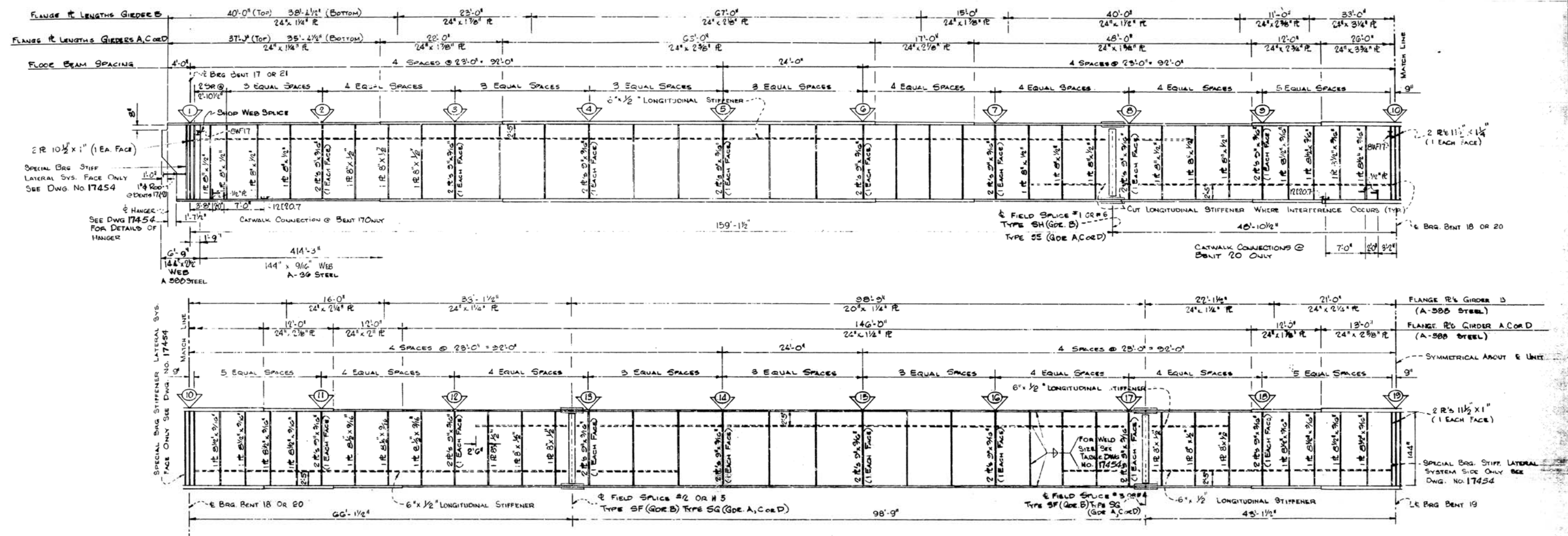
FRAMING PLAN
(WITHOUT LATERAL SYSTEM SHOWN)

NOTE: SEE DRAWING NO. 17457 FOR GIRDER LOCATIONS.

FRAMING PLAN & GIRDER ELEVATION
UNIT III & V
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

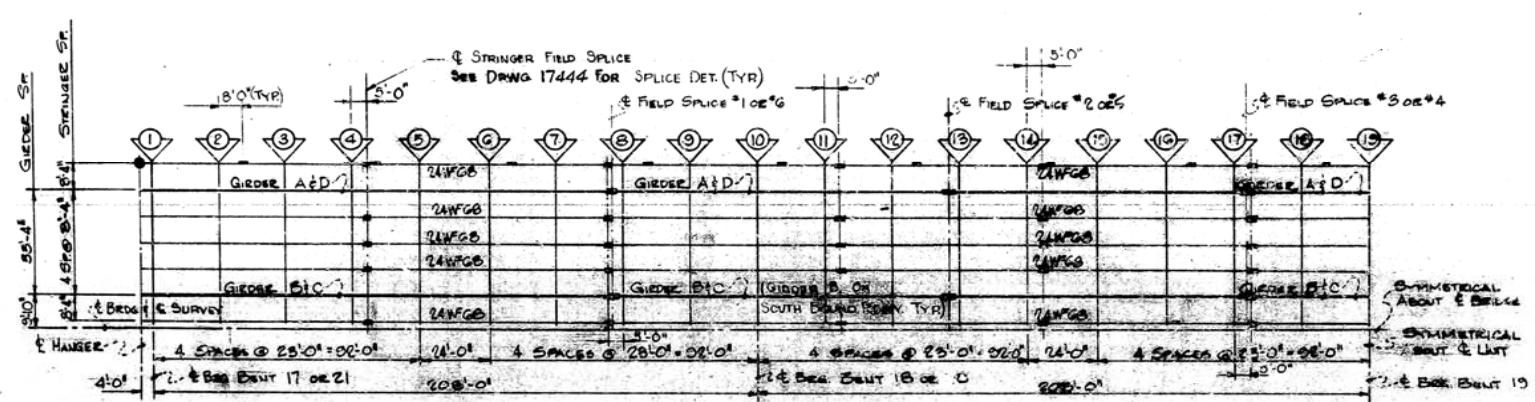
DRAWN BY: DG & FA	DATE: 11-2-70
TRACED BY: DATE:	SCALE: 1/8" = 1'-0" OR AS SHOWN
CHECKED BY: D.E.M. DATE: 2/7/71	
BRIDGE NO. 5320	DRAWING NO. 17437

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. ALL. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90)139		38	78
				JOB NO. 6852		1 Fr. Plan & Gird. Elev. Unit. VI 17438			



GIRDER ELEVATION
(LOOKING AT LATERAL SIDE)

- NOTES:
1. ALL STIFFENERS TO BE 7" x 7/16" EXCEPT AS SHOWN.
 2. ALL INTERMEDIATE STIFFENERS SHALL BE PLACED ON SAME FACE OF GIRDER AS LATERAL SYSTEM.
 3. INTERMEDIATE STIFFENERS TO BE WELDED TO TOP FLANGE EXCEPT BETWEEN PANEL PTS 8 & 13, 17 THRU 19 WHICH SHALL BE WELDED TO BOTTOM FLANGE.
 4. LONGITUDINAL STIFFENERS TO BE PLACED ON OPPOSITE FACE OF GIRDER AS LATERAL SYSTEM.
 5. FOR SPlice DETAILS SEE DWG. NO. 17444.
 6. FOR LATERAL SYSTEM & CONNECTION DETAILS SEE DWG. NO. 17440.
 7. FOR TYP. WELDS AND OTHER MISC. STEEL DETAILS SEE DWG. NO. 17454.
 8. FOR FLOOR BEAM DETAILS SEE DWG. NO. 17445.
 9. ALL STIFFENERS TO BE A-36 STEEL.
 10. REFER TO SLAB SECTION FOR GIRDER LOCATIONS DWG. NO. 17457.
 11. ALL STIFFENERS SHALL HAVE A 1/2" HOLE 4'-0" ABOVE THE BOTTOM FLANGE 4' FROM THE GIRDER WEB FOR THE WIRE ROPE.
 12. 2 CATWALK & HAND CABLE DETAILS SEE DWG. NO. 17466 & 17467.
 13. ALL FLANGES TO BE A528



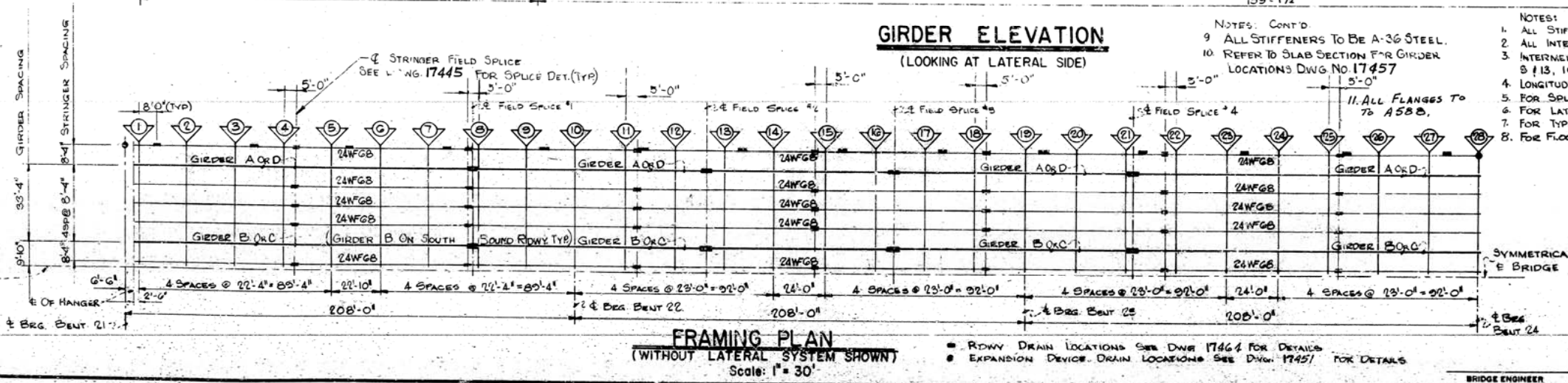
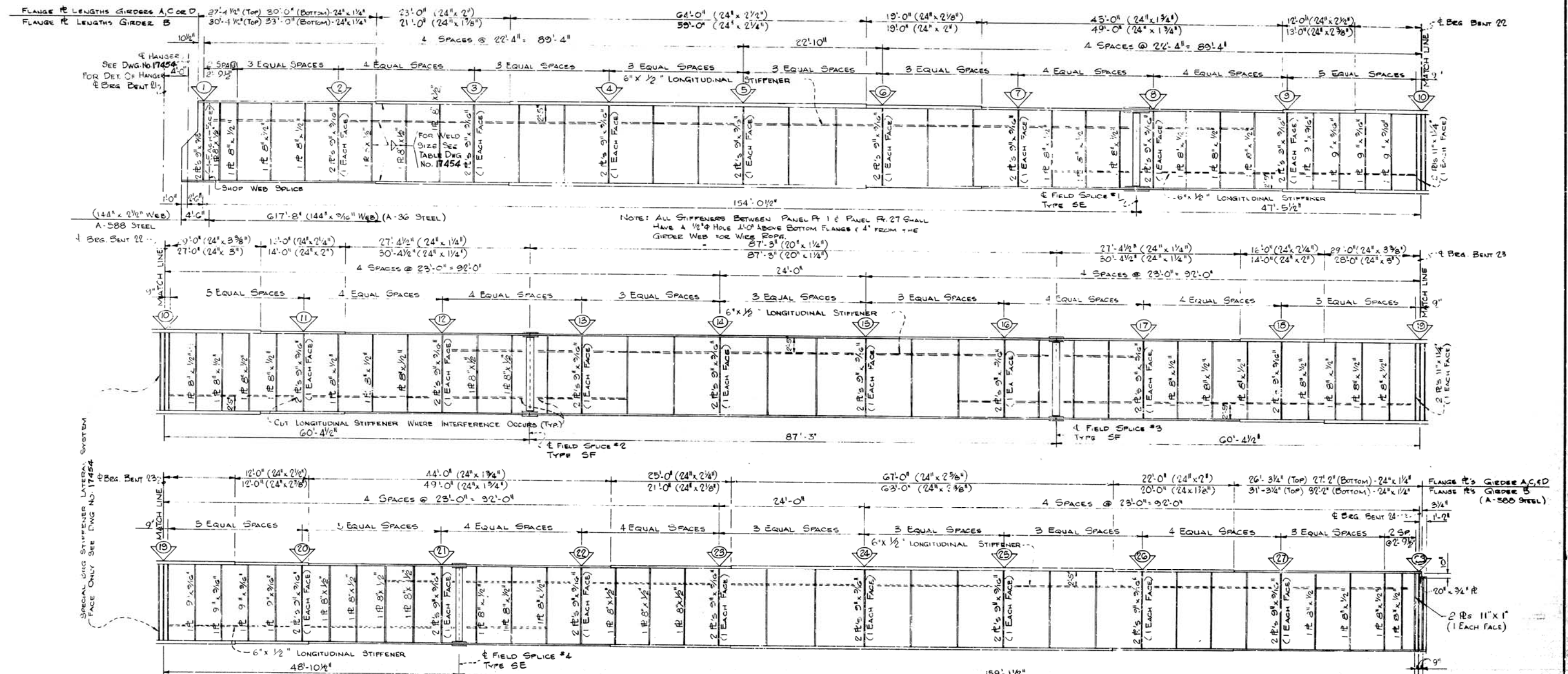
FRAMING PLAN
(WITHOUT LATERAL SYSTEM SHOWN)
Scale: 1" = 30'-0"

POIN. DRAWN LOCATIONS SEE DWG. 17444 FOR DETAILS
EXPANSION DEVICE DRAWN LOCATIONS SEE DWG. 17451 FOR DETAILS

FRAMING PLAN & GIRDER ELEVATION
UNIT VI
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: DG:FA	DATE: 11-8-79	SCALE: 1/8" = 1'-0"
TRACED BY:	DATE:	
CHECKED BY: D.E.M.	DATE: 2/71	
BRIDGE NO. 5320		DRAWING NO. 17438

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-430-2 (1901) 139		39	78
				JOB NO.		6852			
① Fr. Plan & Gird Elev Unit VII 17439									



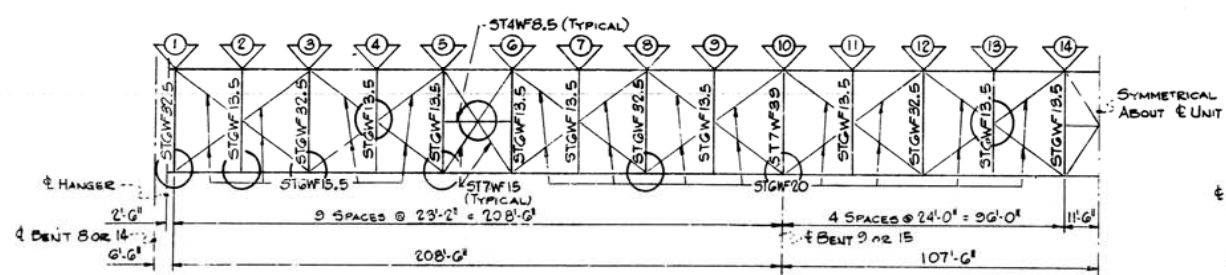
FRAMING PLAN & GIRDER ELEVATION
UNIT VII
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: DG & FA DATE: 11-12-70
 TRACED BY: DATE: 4/71
 CHECKED BY: DEM DATE: 4/71

BRIDGE NO. 5320 DRAWING NO. 17439

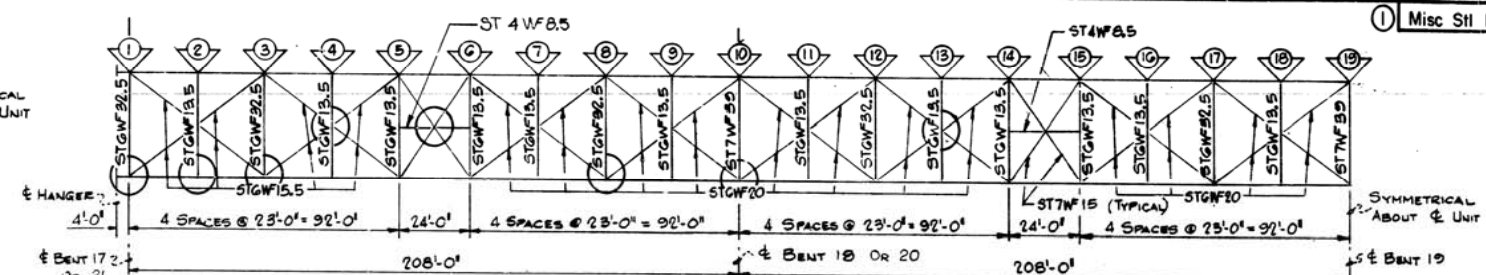
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-430-2 (90) 139		40	78
				JOB NO.		6852			

① Misc SH Det - Unit III, V, VI, VII / 7440



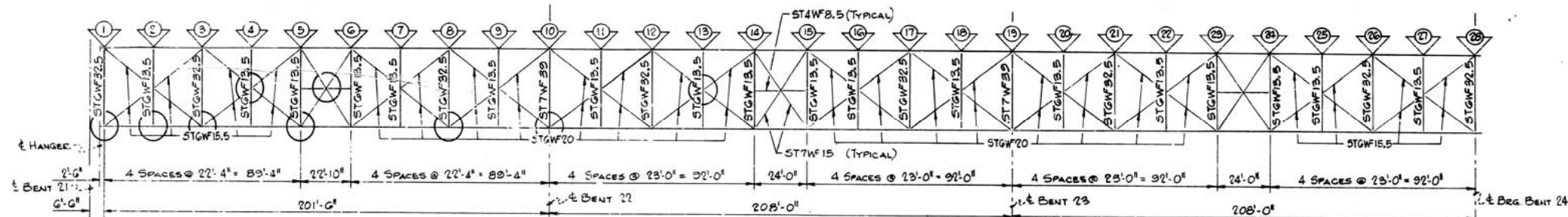
LATERAL SYSTEM LAYOUT UNIT III OR V

Scale: 1" = 30'



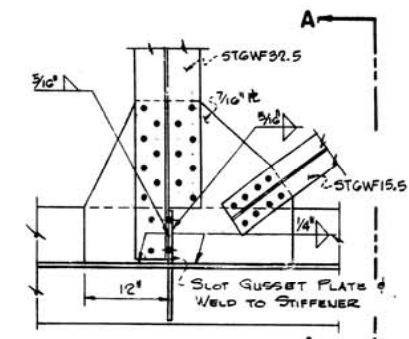
LATERAL SYSTEM LAYOUT UNIT VI

Scale: 1" = 30'

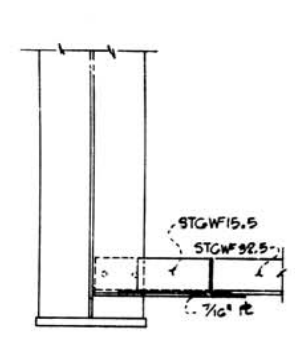


LATERAL SYSTEM LAYOUT UNIT VII

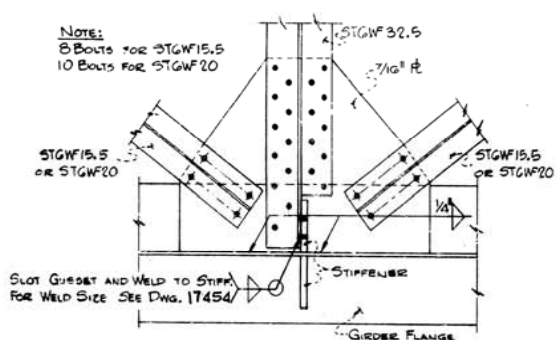
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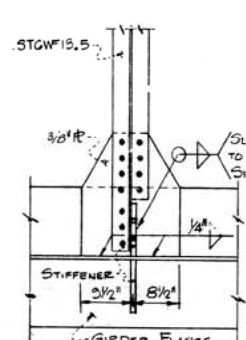
DETAIL AT P.P. 1



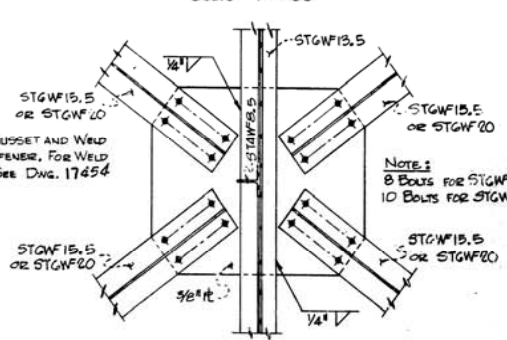
SECTION A-A



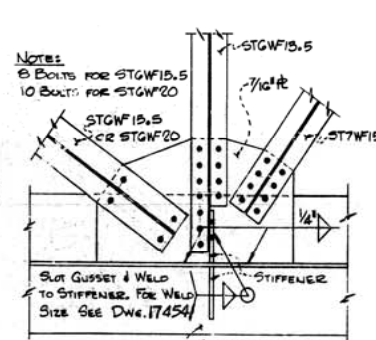
DETAIL AT P.P. 3 OR 8



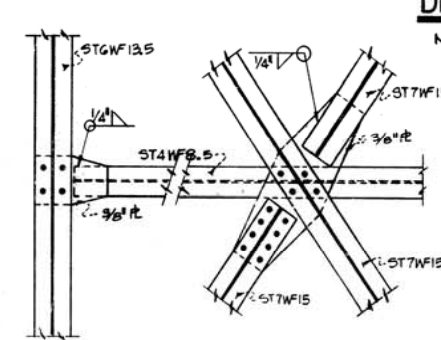
DETAIL AT P.P. 2



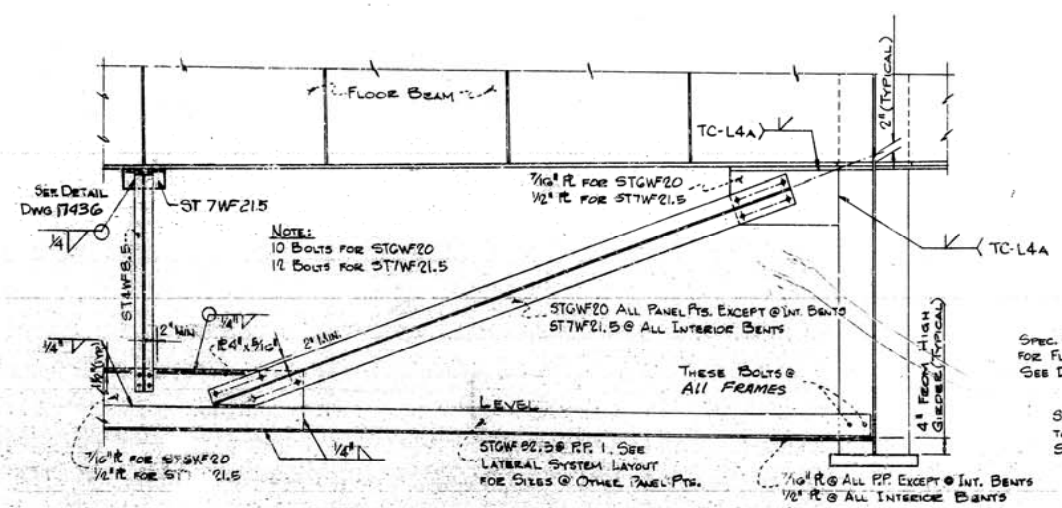
DETAIL AT P.P. 4 OR 13



DETAIL AT P.P. 5

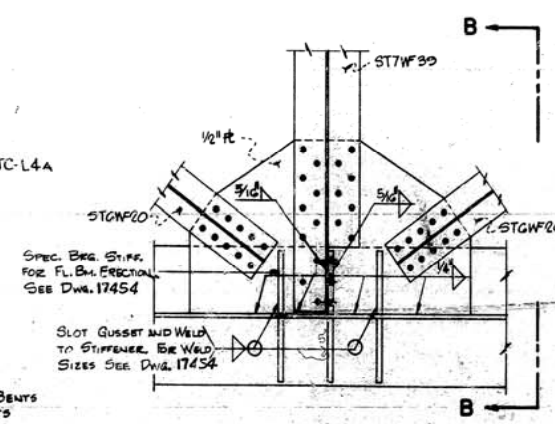


DETAIL BETWEEN P.P. 5 & 6

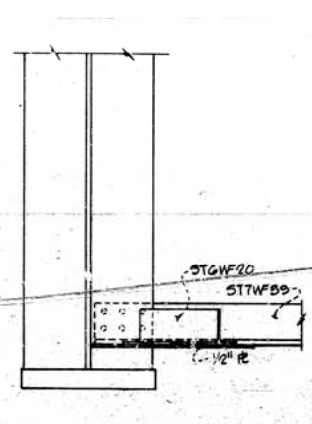


TYPICAL CROSSFRAME DETAIL

Scale: 1/2" = 1'-0"



DETAIL AT P.P. 10



SECTION B-B

- NOTES:**
1. FOR WELD SIZES, SEE TABLE DWG. NO. 17454.
 2. FOR FLOOR BEAM CONNECTIONS & DETAILS SEE DWG. NO. 17445.
 3. FOR STRUCTURAL STEEL NOTES SEE DWG. NO. 17453.
 4. STRUCTURAL STEEL FOR LATERALS, CROSSFRAMES AND GUSSET PLATES IS ASTM DESIGNATION A-36.

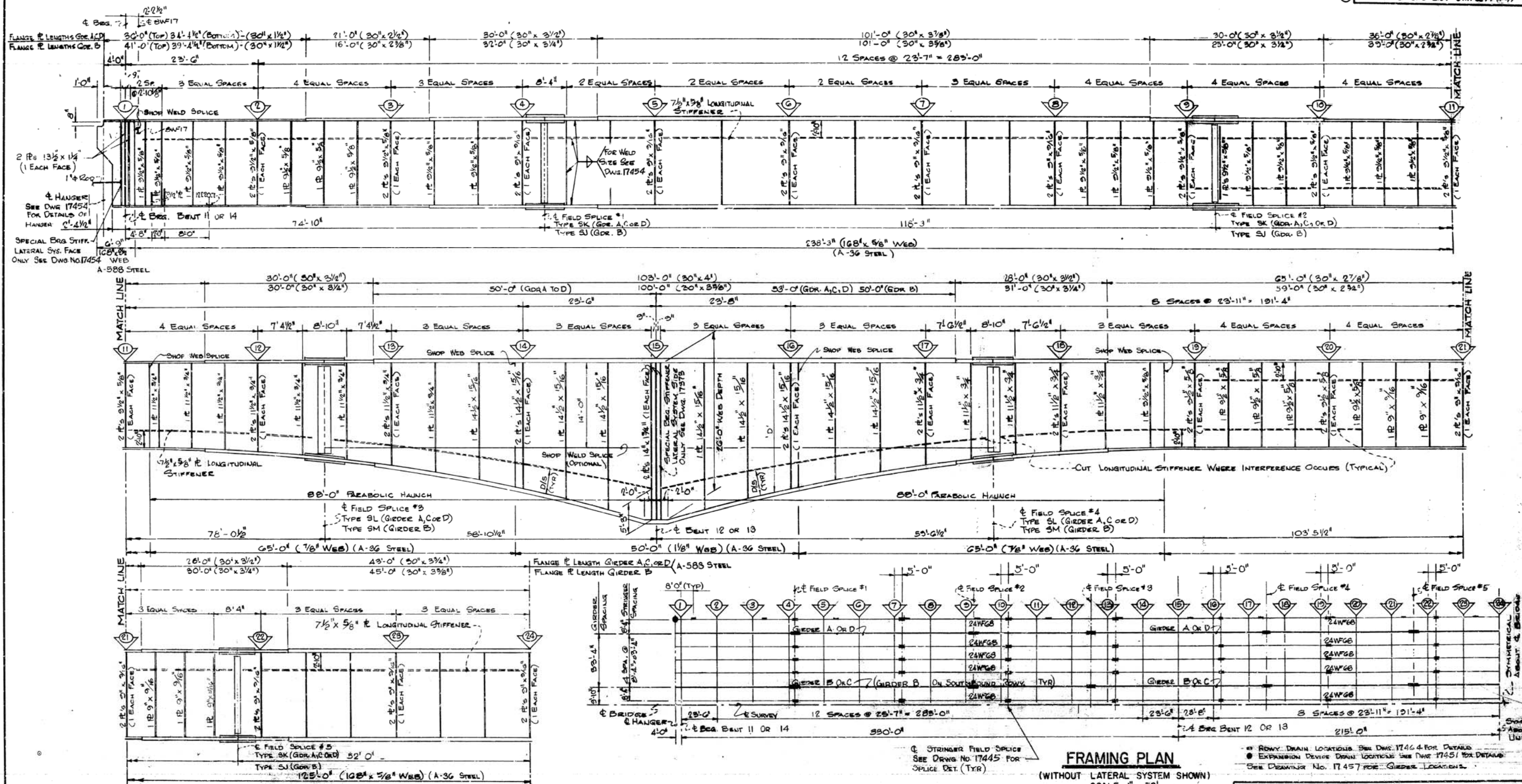
**MISCELLANEOUS STEEL DETAILS
UNITS III, V, VI & VII
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.**

DRAWN BY: D.G.G.	DATE: 10-18-70	SCALE: 1/4" = 1'-0"
CHECKED BY: D.E.M.	DATE: 4/71	
BRIDGE NO. 5320		DRAWING NO. 17440

BRIDGE ENGINEER

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	DIST. NO.	SHEET NO.
				6	ARK.	T-430-2	(1901) 139	41	75
				JOB NO.		6852			

① Fr Plan & Gird Elev Unit IV 17441



GIRDER ELEVATION
(LOOKING AT LATERAL SIDE)

12. FOR CATWALK & HAND CABLE DETAILS SEE DWG. NO. 17466 & 17467.
13. ALL STIFFENERS TO BE A36.
14. ALL FLANGES TO BE A588.

NOTES:

1. ALL STIFFENERS TO BE 3/4" X 9/16" EXCEPT AS SHOWN.
2. ALL INTERMEDIATE STIFFENERS SHALL BE PLACED ON SAME FACE OF GIRDER AS LATERAL SYSTEM.
3. INTERMEDIATE STIFFENERS TO BE WELDED TO TOP FLANGE BETWEEN PANEL PYS. 1 & 10, 20 & 24. ALL OTHERS SHALL BE WELDED TO BOTTOM FLANGE.
4. LONGITUDINAL STIFFENERS TO BE PLACED ON OPPOSITE FACE OF GIRDER AS LATERAL SYSTEM.
5. FOR SPURCE DETAILS SEE DWG. NO. 17444.
6. FOR LATERAL SYSTEM AND CONNECTION DETAILS SEE DWG. NO. 17442 & 17443.
7. FOR TYPICAL WELDS AND OTHER MISCELLANEOUS STEEL DETAILS SEE DWG. NO. 17454.
8. FOR FLOOR BEAM DETAILS SEE DWG. NO. 17445.
9. FOR DETAILS OF NAVIGATION LIGHTING SEE DWG. NO. 17468.
10. REFER TO SLAB SECTION FOR GIRDER LOCATIONS DWG. NO. 17457.
11. ALL STIFFENERS SHALL HAVE A 1/2" X 1/2" GUSSET PLATE 1'-0" ABOVE THE BOTTOM FLANGE & 2" FROM THE GIRDER WEB FOR WELD JOINTS.

FRAMING PLAN

(WITHOUT LATERAL SYSTEM SHOWN)
SCALE: 1" = 30'

FRAMING PLAN & GIRDER ELEVATION
UNIT IV
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: D.G.G. DATE: 11-21-70
TRACED BY: DATE:
CHECKED BY: D.E.M. DATE: 4/71

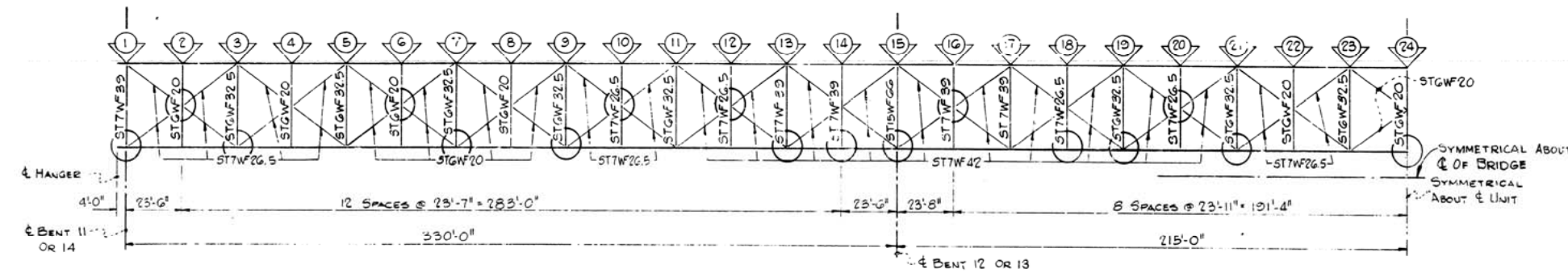
SCALE: 1/8" = 1'-0" OR AS SHOWN

BRIDGE NO. 5320

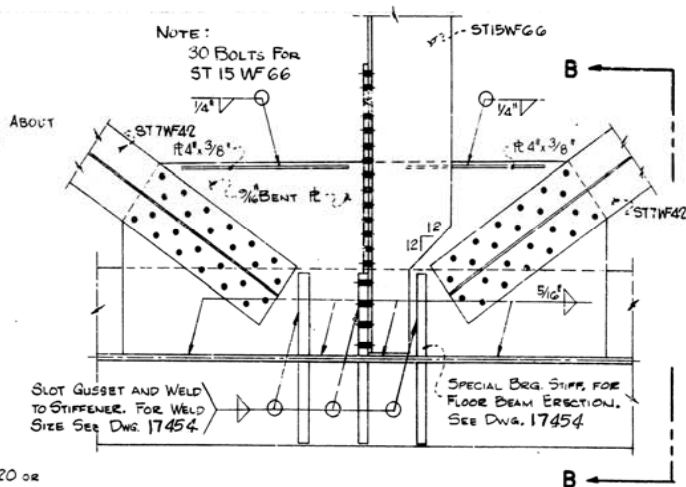
DRAWING NO. 17441

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD PROJ.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90) 139		42	78
				JOB NO.		6852			

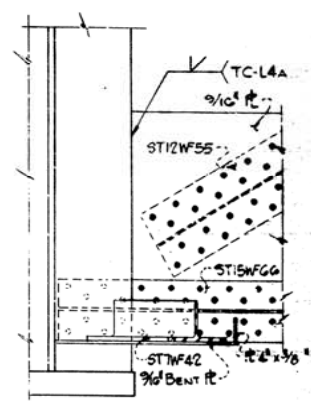
① Misc. Steel Details - Unit IV 17442



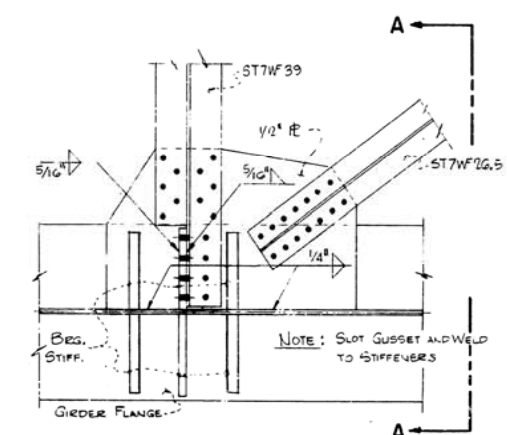
LATERAL SYSTEM LAYOUT
Scale 1" = 30'



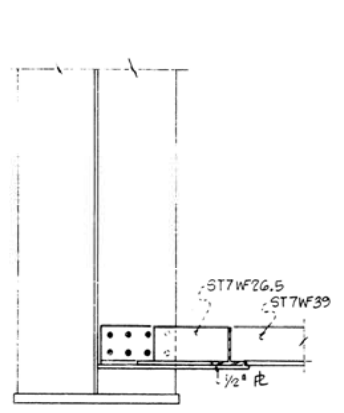
DETAIL AT P.P. 15



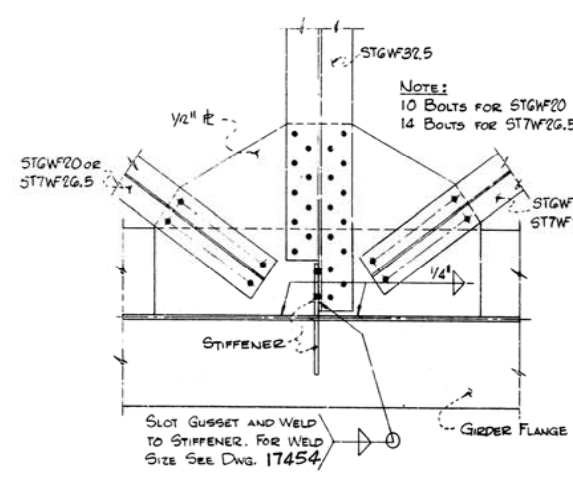
SECTION B-B



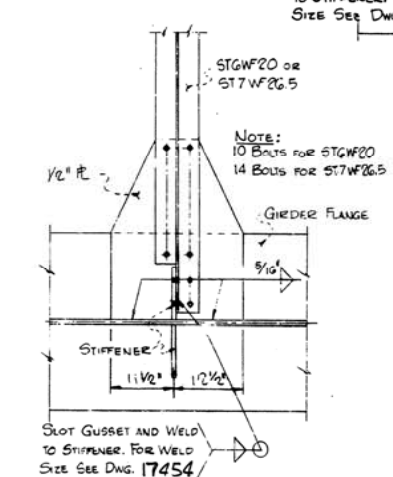
DETAIL AT P.P. 1



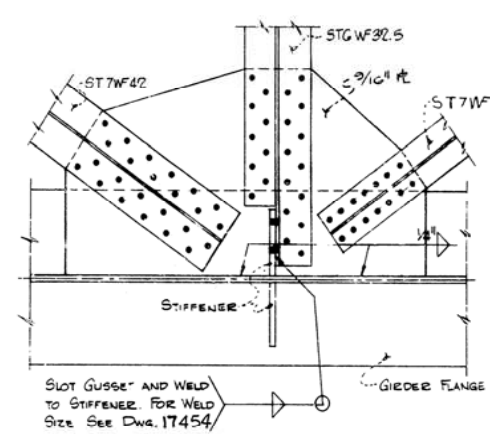
SECTION A-A



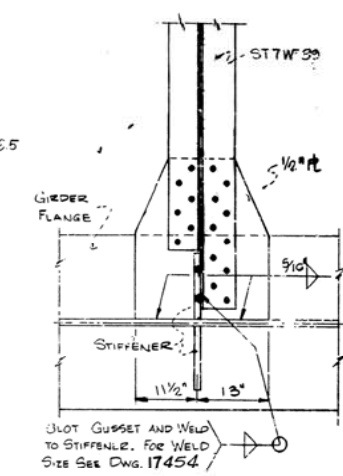
DETAIL AT P.P. 3, 7, OR 9



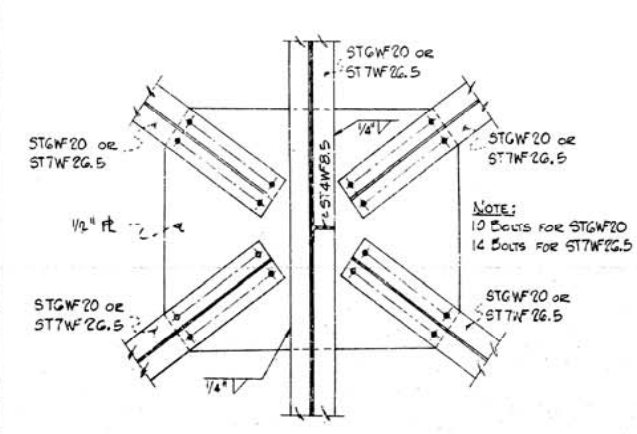
DETAIL AT P.P. 18 OR 24



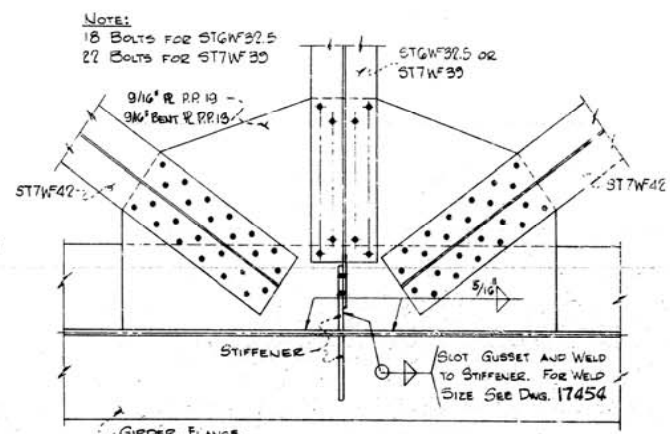
DETAIL AT P.P. 21



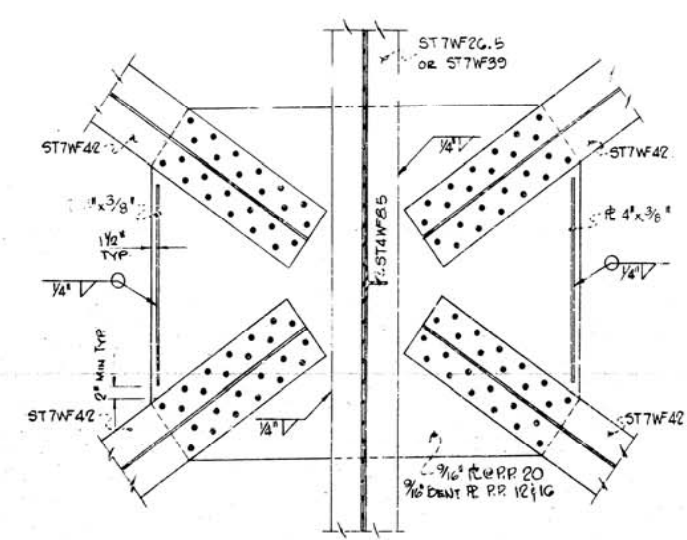
DETAIL AT P.P. 14



DETAIL AT P.P. 2, 6, OR 10



DETAIL AT P.P. 13 OR 19



DETAIL AT P.P. 12, 16, OR 20

- NOTES:**
1. FOR FLOOR BEAM CONNECTION & DETAILS SEE DWG. NO. 17445.
 2. FOR TYPICAL WELDS AND OTHER MISC. STEEL DETAILS, SEE DWG. NO. 17442 & 17452.
 3. FOR STRUCTURAL STEEL NOTES SEE DWG. NO. 17454.
 4. STRUCTURAL STEEL FOR LATERALS, CROSSFRAMES AND GUSSET PLATES IS A.S.T.M. DESIGNATION A-36.

MISCELLANEOUS STEEL DETAILS
UNIT IV
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

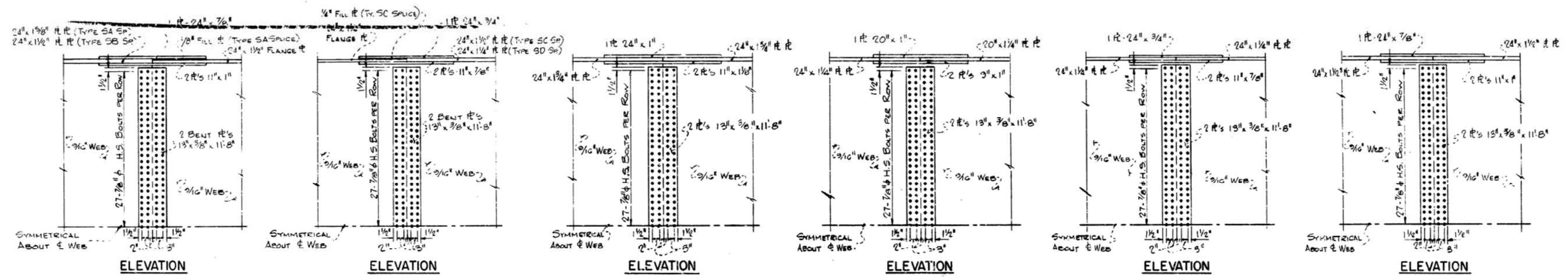
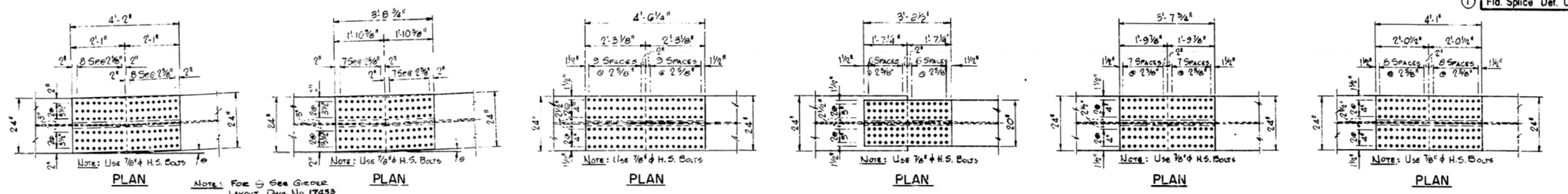
DRAWN BY: D.G.G. DATE: 10-17-70
TRACED BY: DATE: 4/71
CHECKED BY: D.E.M. DATE: 4/71

BRIDGE NO. 5320
DRAWING NO. 174 42

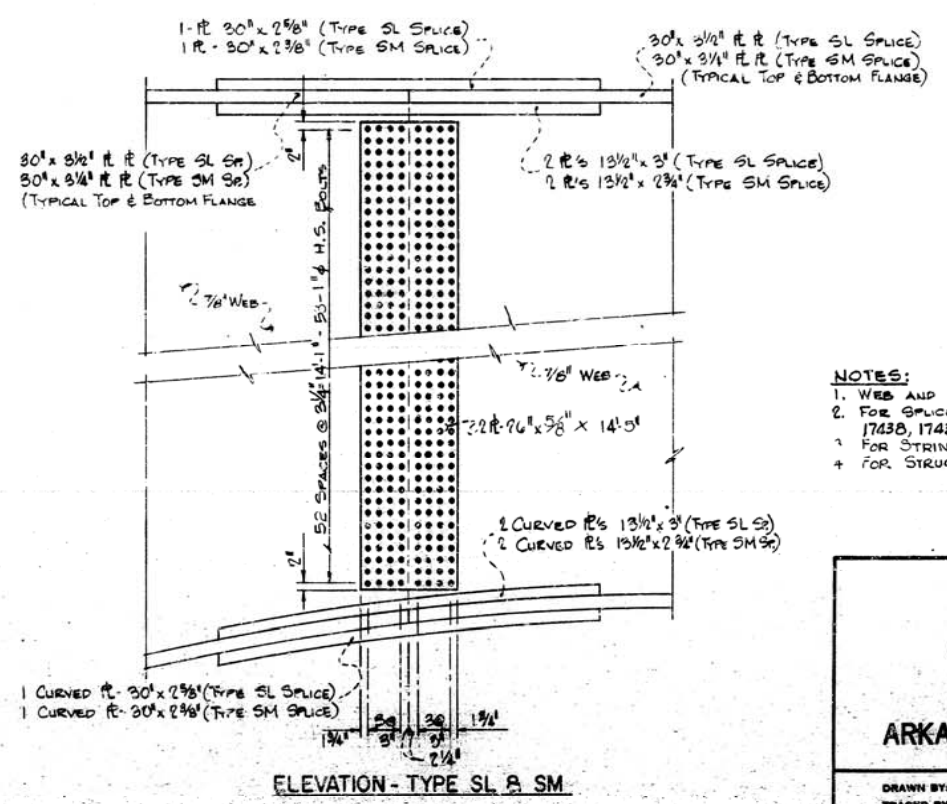
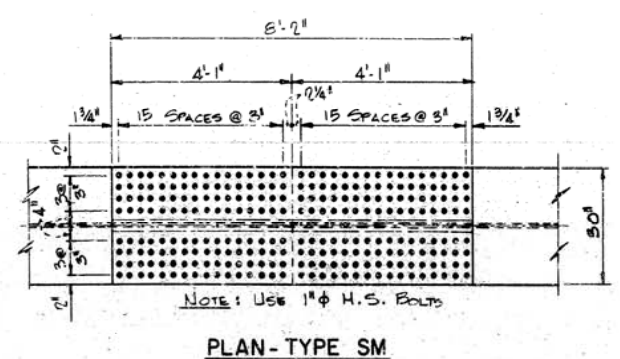
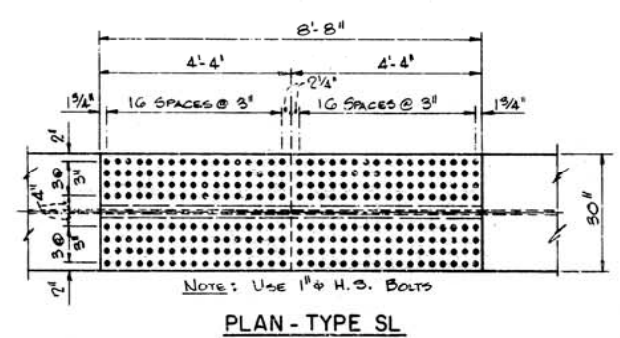
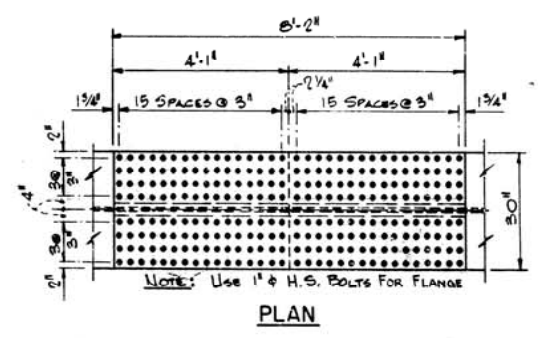
SCALE: 3/4" = 1'-0" OR AS SHOWN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (190)		44	78
				JOB NO.		6852			

① Field Splice Det. Unit II - VII / 17444



TYPE SA & SB SPLICE TYPE SC & SD SPLICE TYPE SE SPLICE TYPE SF SPLICE TYPE SG SPLICE TYPE SH SPLICE



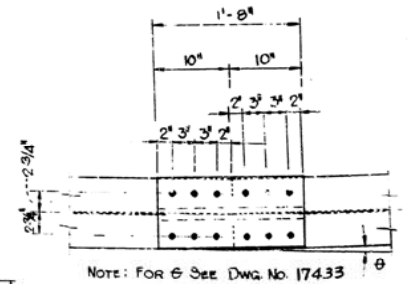
NOTES:
 1. WEB AND FLANGE SPLICE PLATES SHALL BE A588 STEEL.
 2. FOR SPLICE LOCATIONS SEE DWG. NO. 17434, 17435, 17437, 17438, 17439 & 17441.
 3. FOR STRINGER SPLICE SEE DWG. NO. 17445.
 4. FOR STRUCTURAL STEEL NOTES, SEE DWG. NO. 17453.

FIELD SPLICE DETAILS
UNITS II THRU VII
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

DRAWN BY: D.G.G.	DATE: 11-12-70	SCALE: 1/2" = 1'-0"
TRACKED BY:	DATE:	
CHECKED BY: D.E.M.	DATE: 3/71	
BRIDGE NO. 5320		DRAWING NO. 17444

TYPE SJ & SK SPLICE

TYPE SL & SM SPLICE



Technical drawing of a rectangular panel. The overall dimensions are 18 9/16" wide by 31 1/8" high. The panel features a grid of 28 circular holes arranged in 7 rows and 4 columns. The distance between the center of the first and last row of holes is 28 1/8". The distance between the center of the first and last column of holes is 14 1/8". The panel is labeled "7 Rows Plus Row" and "14 1/8\".

Scale: 1" = 1'-0"

1/2" 9 SPACES @ 27/8" 1 1/2" 5/8" 3/16" 1/2"

1 R T & B 5/8" x 3/16"

STIFFENER

FLOOR BEAM

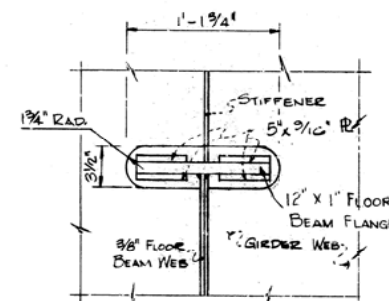
12"

1 1/2" 9 SPACES @ 27/8" 1 1/2" 5/8" 3/16"

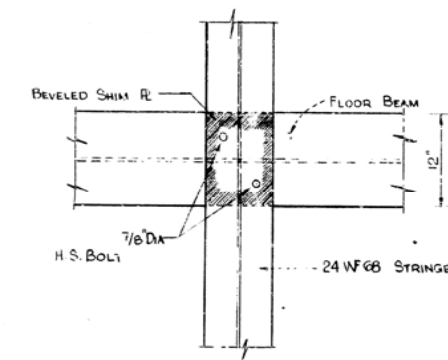
1 R T & B 5/8" x 3/16"

NOTE: CUT 1 3/4" x 1 1/4" HOLE IN GIRDER WEB FOR FLANGE SPICE PLATES

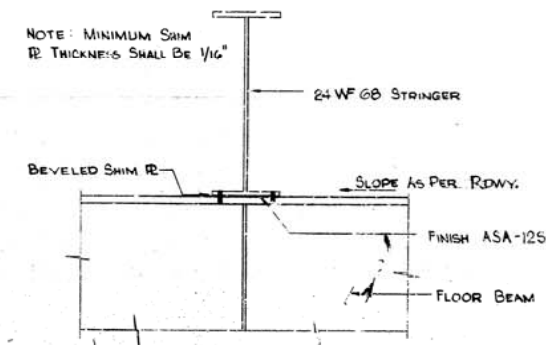
Scale: 1" = 1'-0"



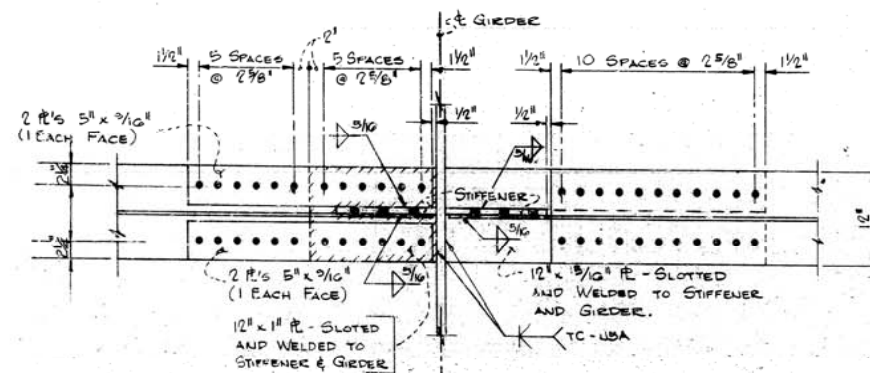
Scale: 1 1/2" = 1'-0"



NOTE: MINIMUM SLAB
THICKNESS SHALL BE 1/16"



Scale: 1" = 1' - 0"



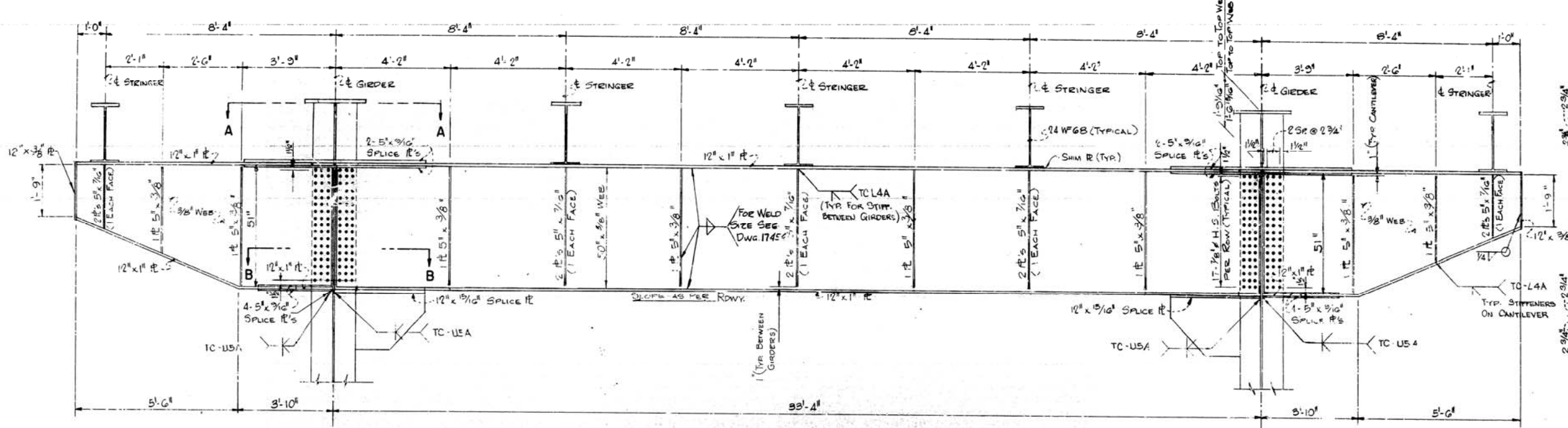
Scale: 1" = 1'-0"

- FLOOR BEAM DETAILS
UNITS II THRU VII
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.**

DRAWN BY: <u>DGG:FA</u> DATE: <u>A-89-70</u> TRACED BY: _____ DATE: _____ CHECKED BY: <u>P.E.M</u> DATE: <u>3/71</u>	SCALE: <u>AS SHOWN</u>
BRIDGE NO. <u>5320</u>	DRAWING NO. <u>174 45</u>

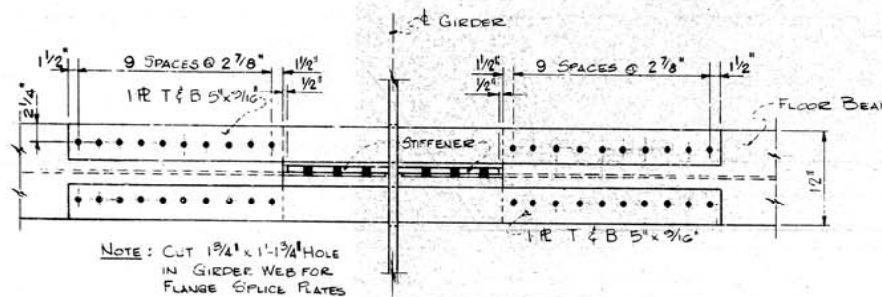
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	2-430-2 (90) 139		45	78
				JOB NO. 6852					

185
① Fl Bm Details - Unit II Thru VII 17445.



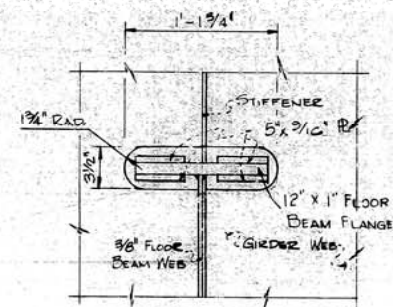
TYPICAL FLOOR BEAM ELEVATION

Scale: 1/2" = 1'-0"



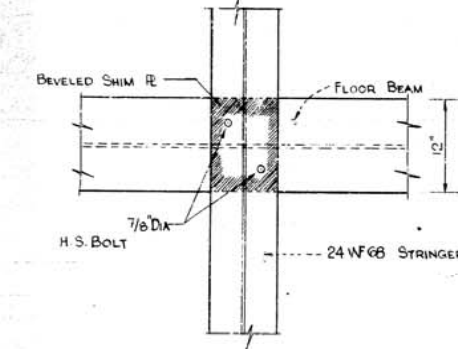
SECTION A-A

Scale: 1" = 1'-0"

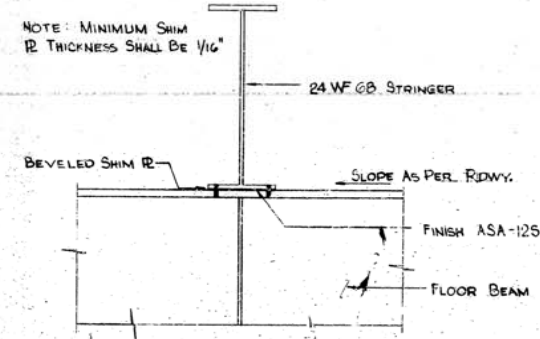


GIRDER WEB SLOT DETAIL

Scale: 1 1/2" = 1'-0"

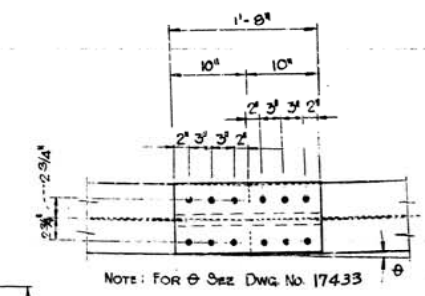


PLAN

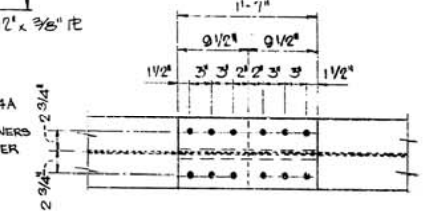


STRINGER CONNECTION DETAIL

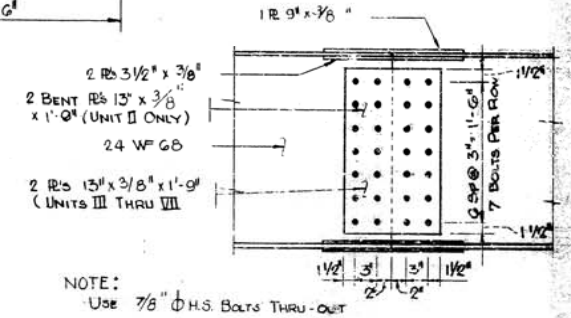
Scale: 1" = 1'-0"



PLAN - UNIT II



PLAN - UNITS III THRU VII



ELEVATION - UNITS II THRU VII

TYPICAL STRINGER SPLICE

Scale: 1" = 1'-0"

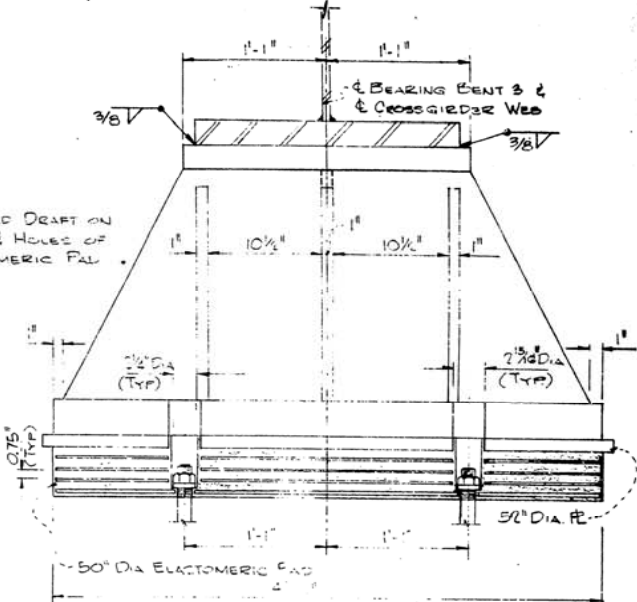
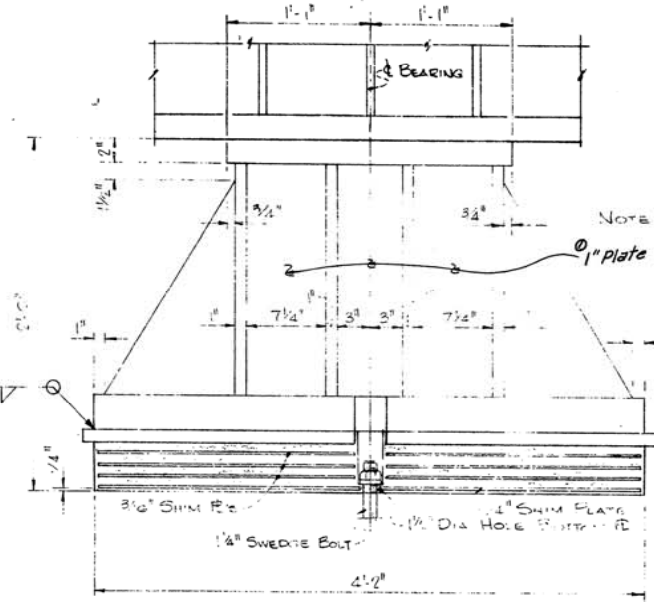
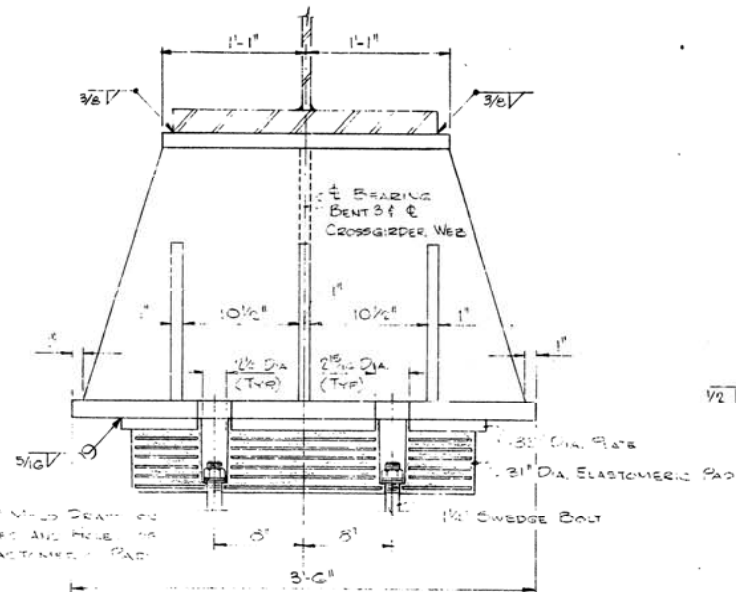
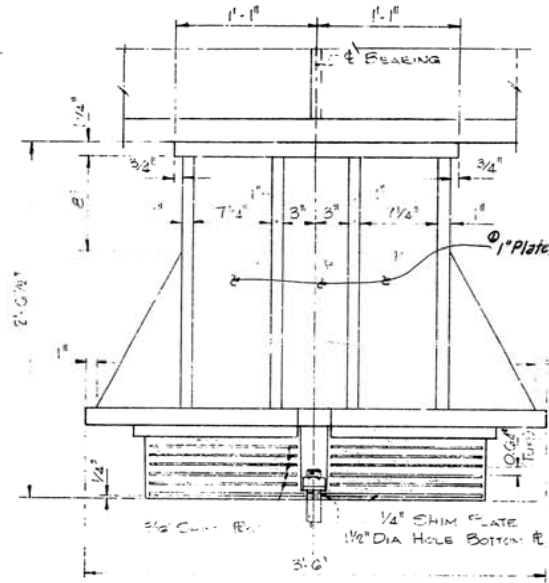
- NOTES:
1. FOR STRUCTURAL STEEL NOTES SEE DWG. NO. 17453.
 2. FOR TYPICAL WELDS SEE DWG. NO. 17454.
 3. STRUCTURAL STEEL FOR ALL FLOOR BEAMS AND STRINGERS IS ASTM DESIGNATION A-36.

**FLOOR BEAM DETAILS
UNITS II THRU VII
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.**

DRAWN BY: D.G.G. JR.	DATE: 2-23-70	SCALE: AS SHOWN
CHECKED BY: D.E.M.	DATE: 3/7/71	
BRIDGE NO. 5320	DRAWING NO. 17445	

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FILE NO.	FILE NO.
8-3-71				6	ARK
				JOB NO.	6852

SHOE DETAILS Bent 3 1246

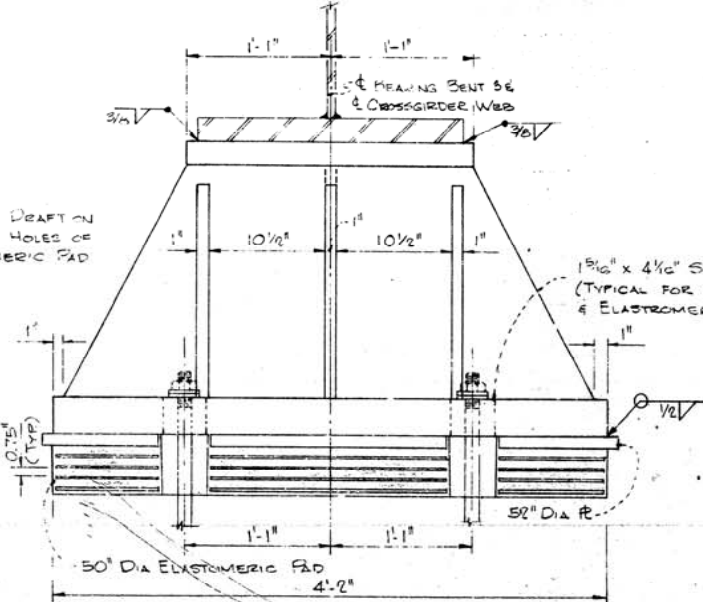
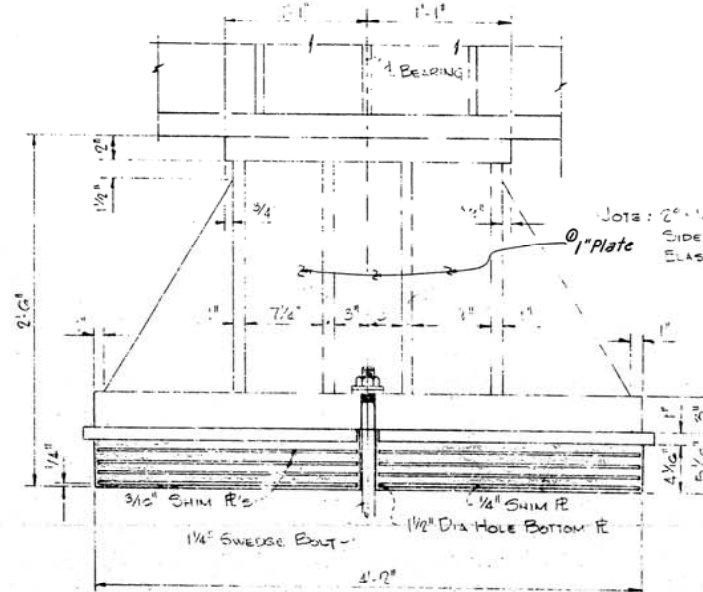


BENT 3 EXPANSION BEARING 1 & 4

SCALE: 1 1/2" = 1'-0"

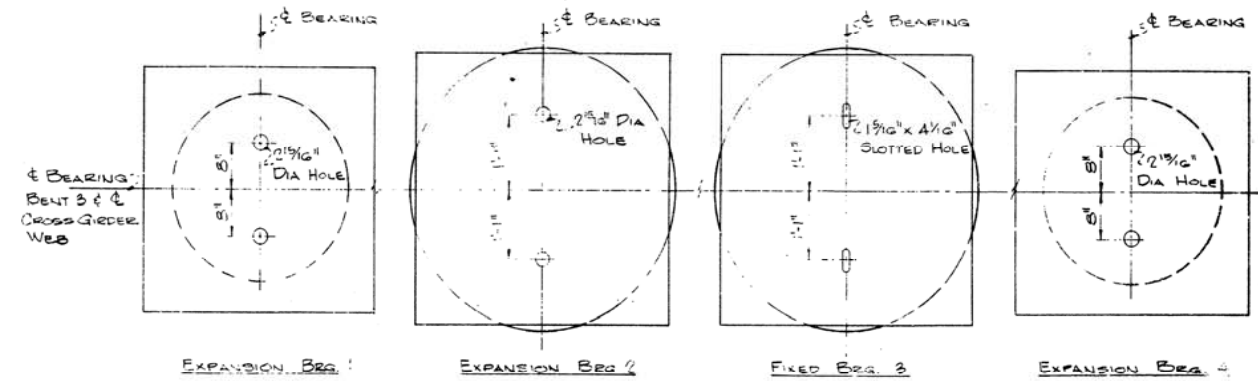
BENT 3 EXPANSION BEARING 2

SCALE: 1 1/2" = 1'-0"



BENT 3 FIXED BEARING 3

SCALE: 1 1/2" = 1'-0"

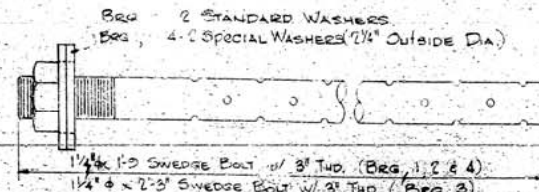


BEARING LAYOUT BENT 3

SCALE: NONE

NOTES:

- FOR BEARING LOCATIONS SEE DWG 17437.
- PROVIDE ONE HEX NUT, ONE FLAT WASHER AND ONE LOCK WASHER WITH EACH SWEDGE BOLT.
- AFTER THE CROSSGIRDER IS IN PLACE THE TOP PLATE IS TO BE WELDED TO THE CROSSGIRDER AS INDICATED ON THE DRAWING.
- ALL MATERIAL AND FABRICATION IS TO BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- SOLE PLATES AND ANCHOR BOLTS ARE TO BE ASTM A-36 STEEL.



ANCHOR BOLT DETAIL

SCALE: NONE

Rev 8-3-71 noted 1" Plate

SHOE DETAILS BENT 3

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

INT. ROUTE 430 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: D.G.G. DATE: 5/71

TRACED BY: DATE:

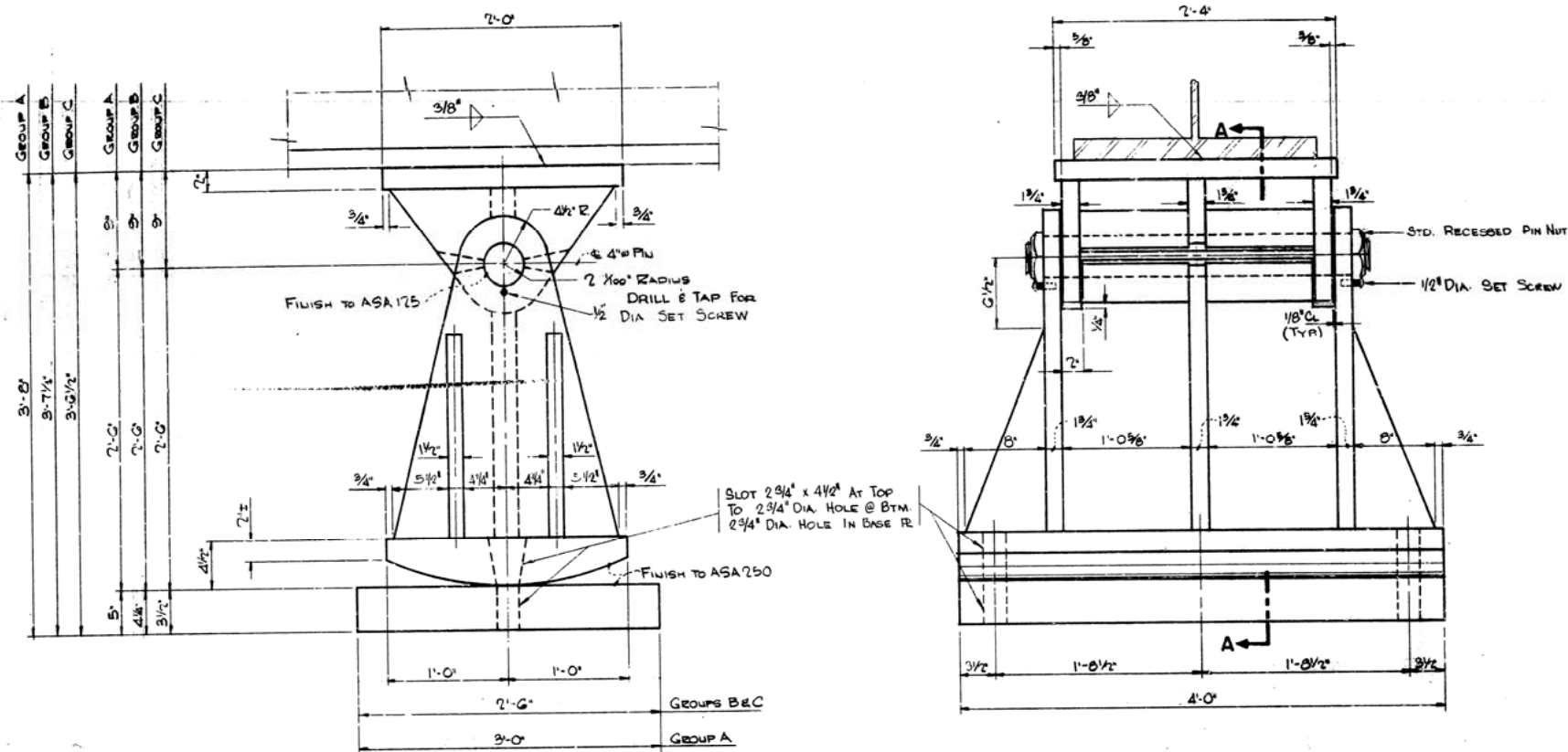
CHECKED BY: D.E.M. DATE: 5/71

BRIDGE NO. 5320

SCALE: As Shown

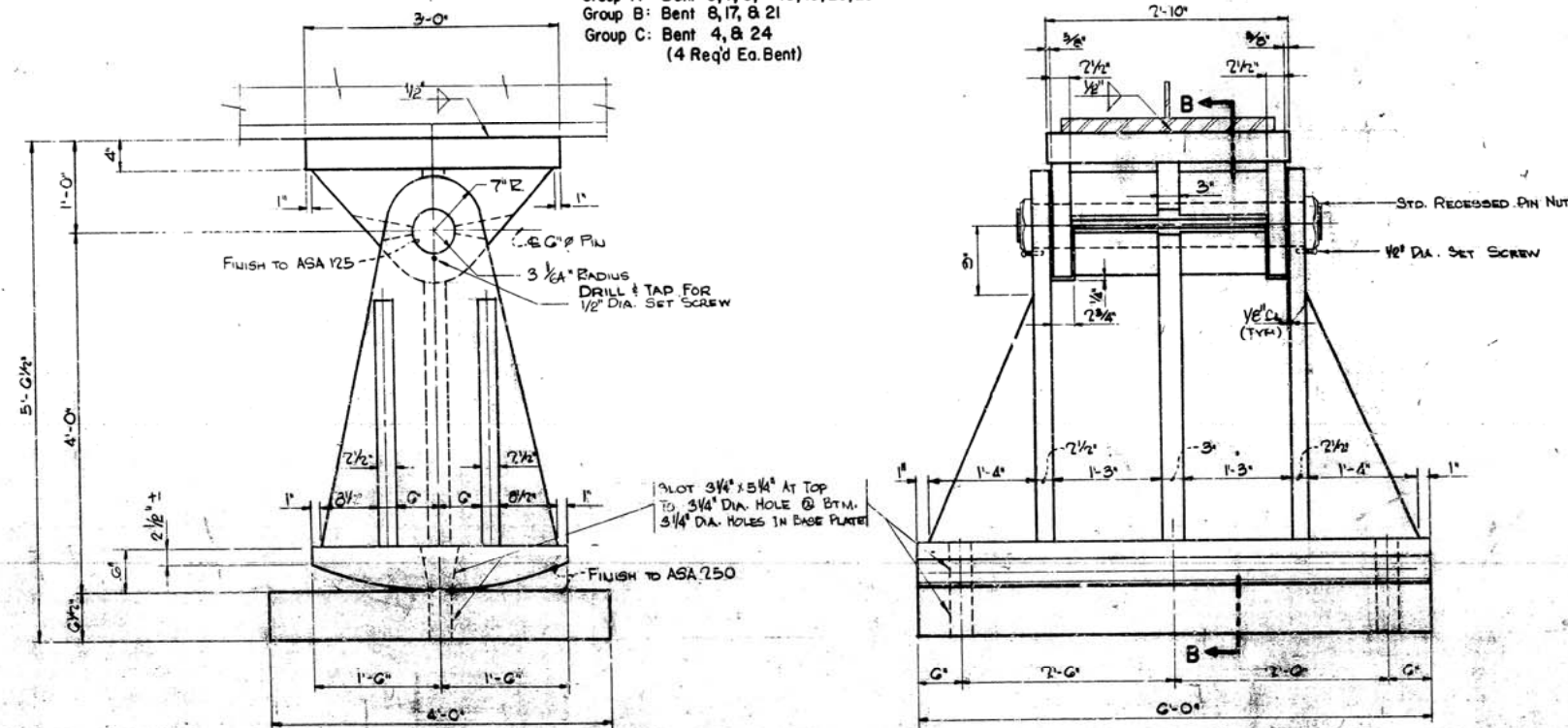
DRAWING NO. 174 46

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90) 139		47	78
				JOB NO. 6852		Shoe Details 17447			



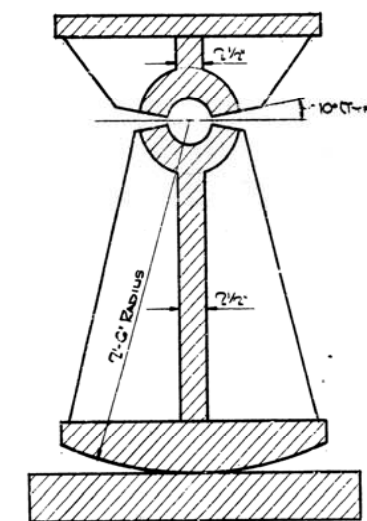
EXPANSION ROCKER - GROUPS A, B & C

Scale: 1-1/2" = 1'-0"
 Group A: Bent 5, 7, 9, 16, 18, 20, 23
 Group B: Bent 8, 17, & 21
 Group C: Bent 4, & 24
 (4 Req'd Ea. Bent)



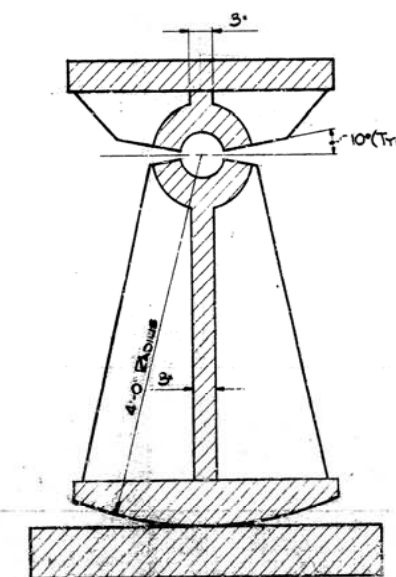
EXPANSION ROCKER BENT 13

Scale: 1" = 1'-0"
 (4 Req'd)



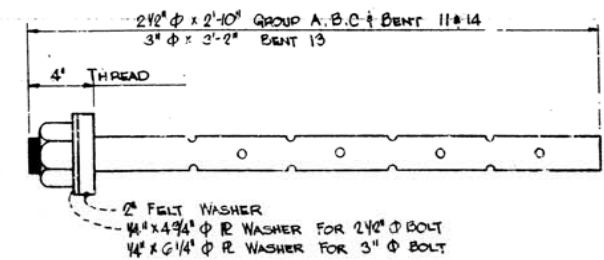
SECTION A-A

Scale: 1-1/2" = 1'-0"



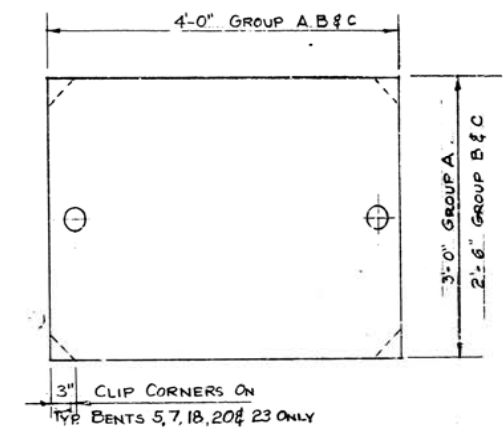
SECTION B-B

Scale: 1" = 1'-0"



ANCHOR BOLT DETAIL

Scale: None



**BASE PLATE PLAN
 FOR GROUP A, B & C**

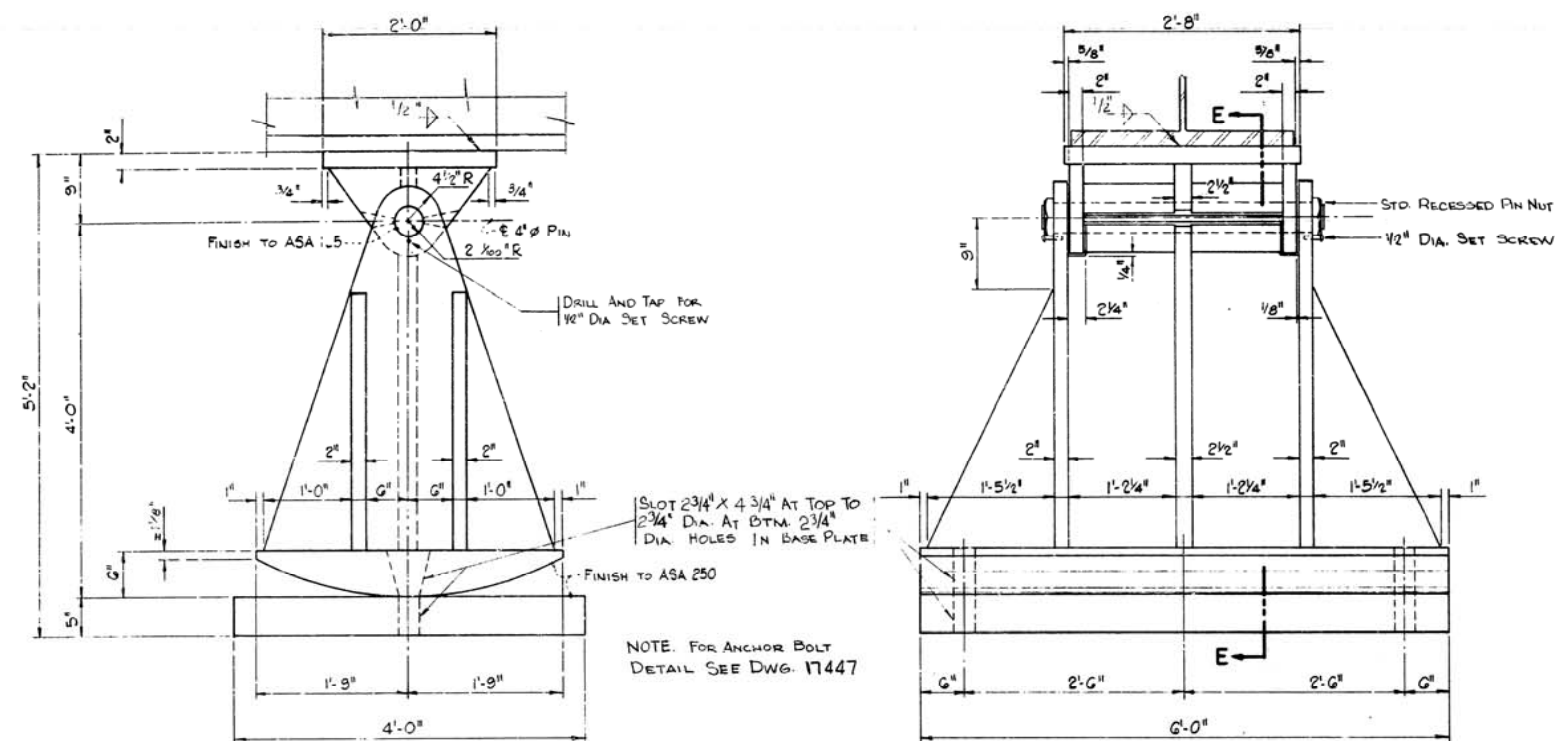
SCALE: 1" = 1'-0"

NOTE:
 1. FOR NOTES SEE DNG. NO. 17448

SHOE DETAILS			
ARKANSAS RIVER BRIDGE			
PULASKI COUNTY			
ROUTE 430 SEC. 2			
ARKANSAS STATE HIGHWAY COMMISSION			
LITTLE ROCK, ARK.			
DESIGNED BY	7/5/50	11/2/50	
CHECKED BY			
DATE	7/5/50	11/2/50	
PROJECT NO.	6852	17447	

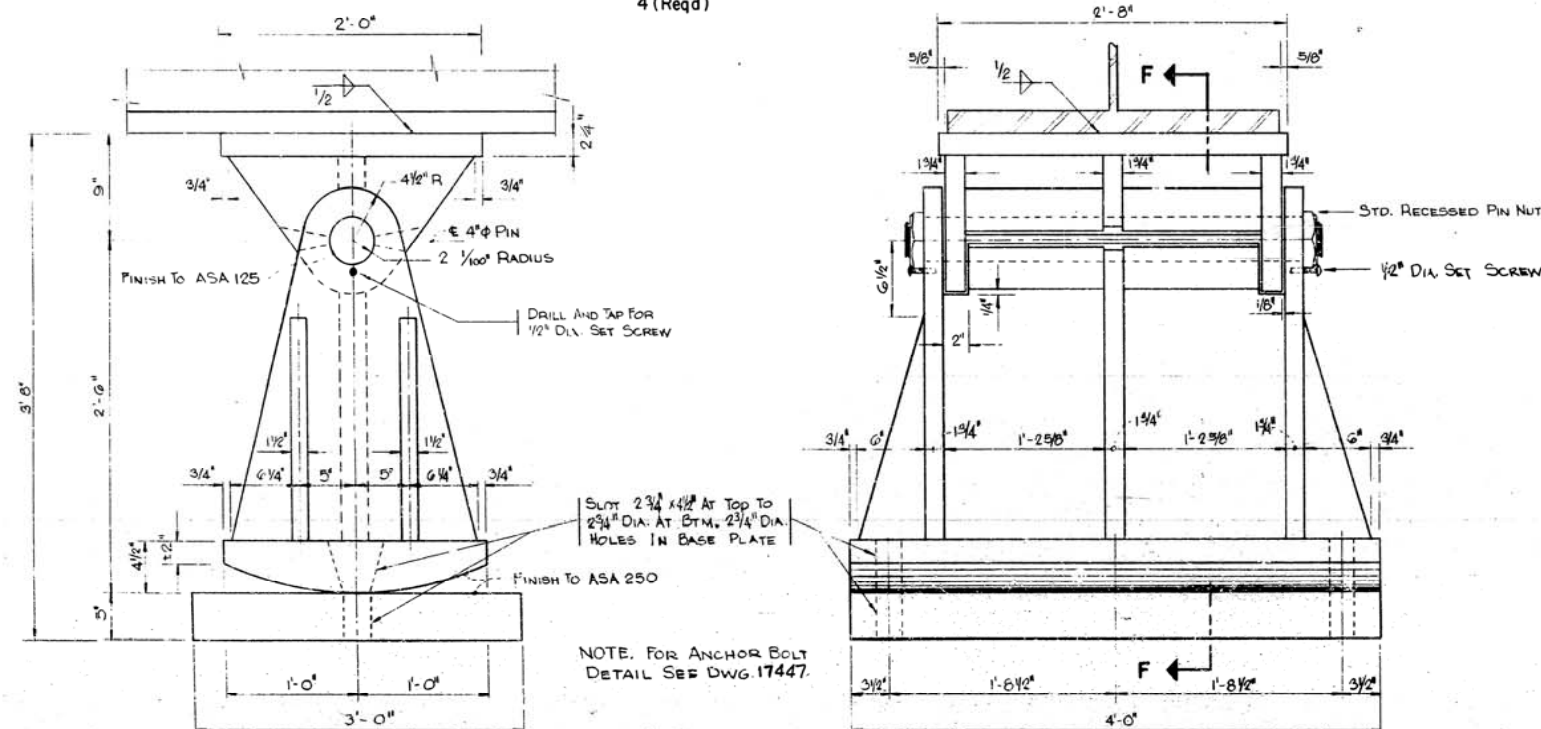
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-430-2 (901) 139		48	78
				JOB NO.		6852			

① Shoe Details 17448



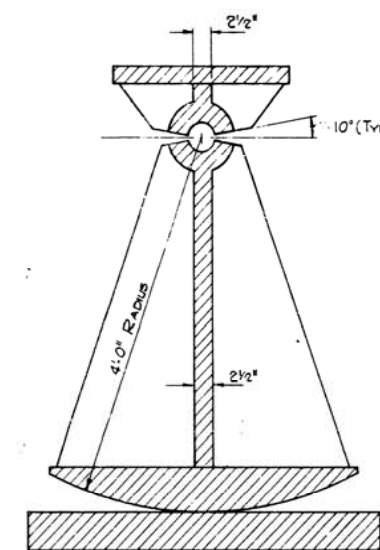
EXPANSION ROCKER BENT 14

Scale: 1" = 1'-0"
4 (Req'd)



EXPANSION ROCKER BENT II

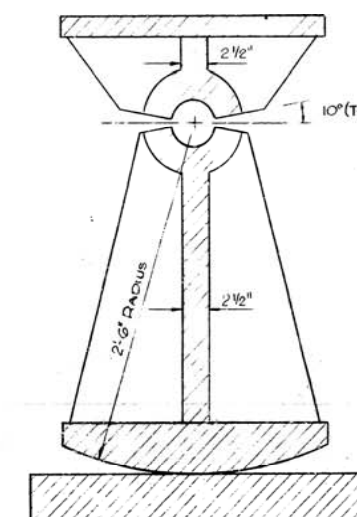
Scale: 1 1/2" = 1'-0"
4 (Req'd)



SECTION E-E
Scale: 1" = 1'-0"

NOTES:

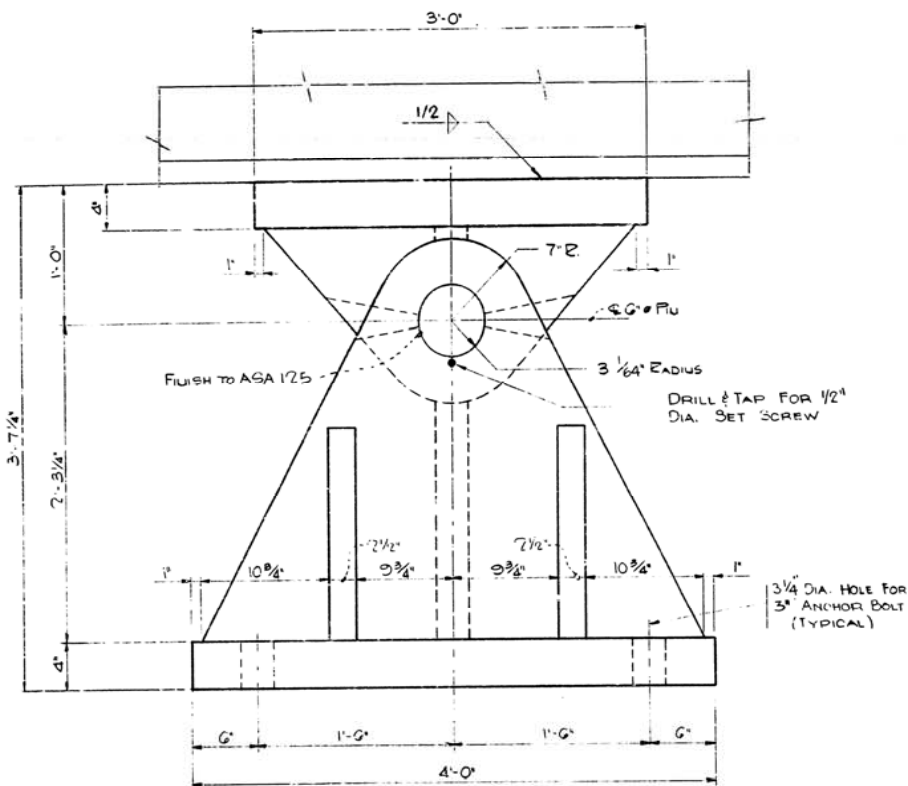
1. ALL SHOES SHALL BE OF CARBON STEEL AND MAY BE CAST OR BUILT UP WELDED PLATING. MAJORITY PLATES FOR EXPANSION SHOES AND ANCHOR BOLTS SHALL BE ASTM A36. ALL SHOE CASTINGS SHALL BE ASTM A27- GRADE 70-36. ALL PINS SHALL BE A108- GRADE 1016-1030 INCLUSIVE.
2. ALL SHOES AND ANCHOR BOLTS SHALL BE MEASURED AND PAID FOR AS "STRUCTURAL STEEL IN PLATE GIRDER SPANS (A 36)".
3. ANCHOR BOLTS SHALL BE GALVANIZED TO CONFORM TO ASTM SPECIFICATIONS A153.
4. BEARINGS SHALL BE FINALLY SEATED IN ACCORDANCE WITH SECTION 806.54, INCLUDING ALTERNATE, OF THE STD. SPECIFICATIONS.
5. IF SHOES ARE MADE OF WELDED PLATES, THE MINIMUM SIZE OF FILLET WELDS FOR PLATES INTERSECTING AT 90° SHALL BE IN ACCORDANCE WITH THE TABLE OF WELDS ON DWG. NO. 17373. SURFACES INTERSECTING AT OTHER ANGLES SHALL HAVE SEAM WELDS OF SIZES CORRESPONDING TO FILLET WELDS.
6. ALL CAST SHOES SHALL HAVE 1/2" MIN. FILLETS AT ALL INTERSECTING MEMBERS.
7. TOP PLATE TO BE BEVELED TO GRADE WHERE THE GRADE IS 1% OR GREATER.
8. FOR ADDITIONAL NOTES SEE DWG. NO. 17453.



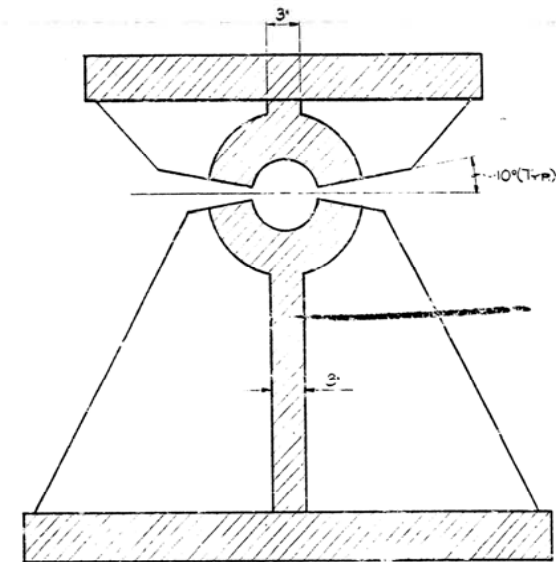
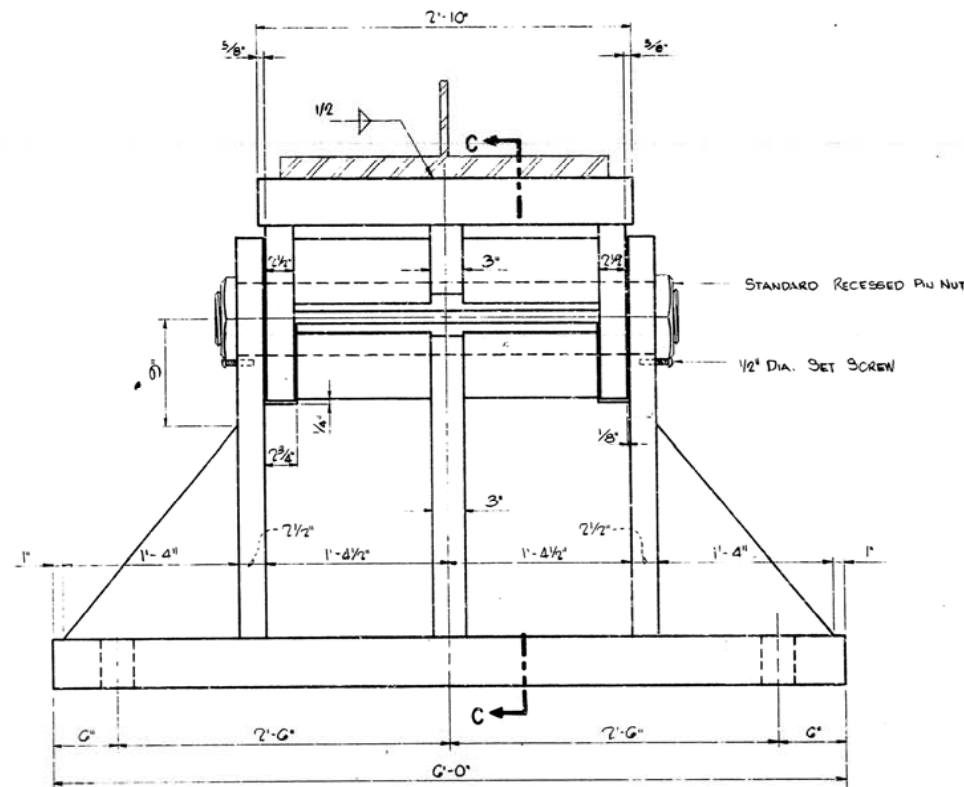
SECTION F-F
Scale: 1 1/2" = 1'-0"

SHOE DETAILS			
ARKANSAS RIVER BRIDGE			
PULASKI COUNTY			
INT. ROUTE 430 SEC. 2			
ARKANSAS STATE HIGHWAY COMMISSION			
LITTLE ROCK, ARK.			
DRAWN BY: F.A.	DATE: 11/19/70	SCALE: AS SHOWN	
TRACED BY: DATE:	CHECKED BY: D.E.M. DATE: 4/71		
BRIDGE NO. 5320		DRAWING NO. 17448	

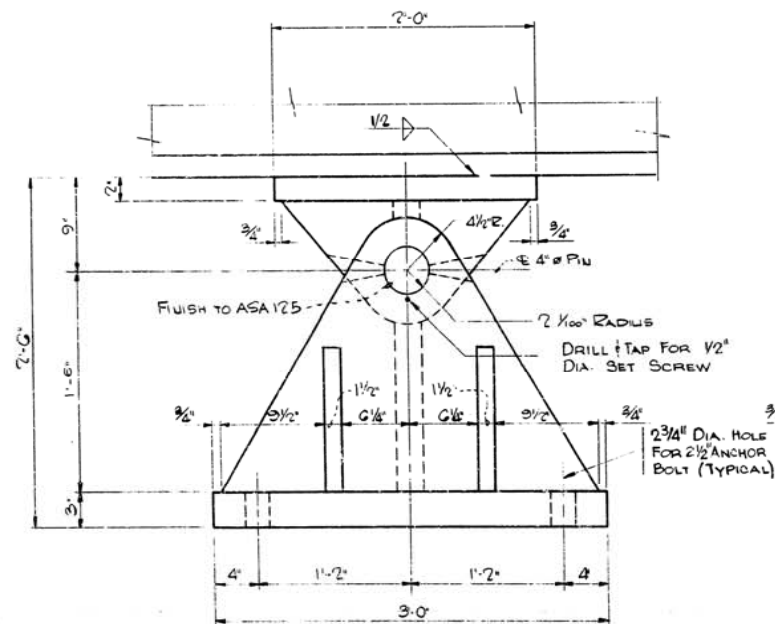
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1 - 430-2 (901) 139		49	78
				JOB NO.		6852			
				① Shoe Details 17449					



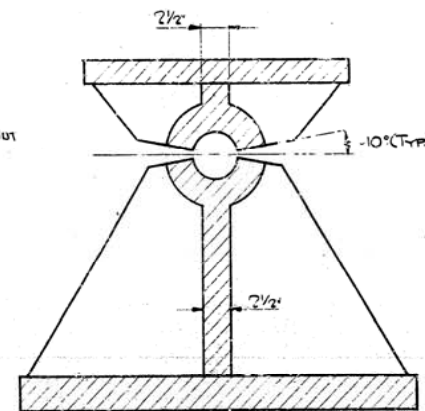
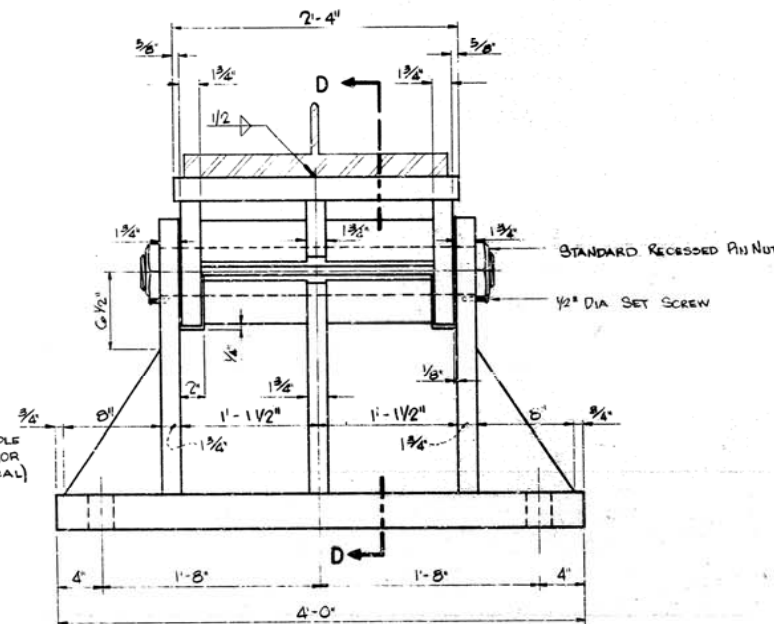
FIXED SHOE BENT 12
Scale: 1-1/2" = 1'-0"
(4 Req'd)



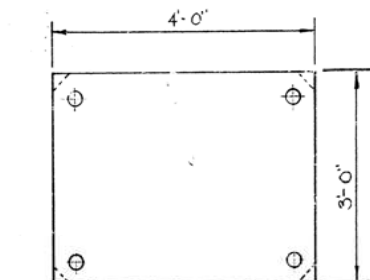
SECTION C-C
Scale: 1-1/2" = 1'-0"



FIXED SHOE - GROUP D
Scale: 1-1/2" = 1'-0"
Bent. 6, 10, 15, 19, & 22
(20 Req'd)

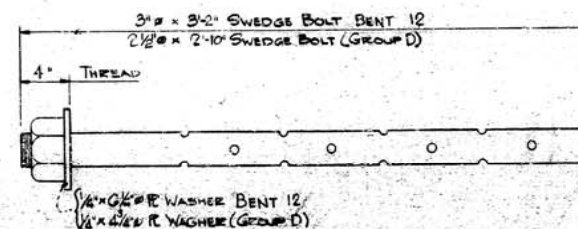


SECTION D-D
Scale: 1-1/2" = 1'-0"



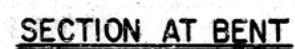
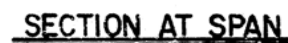
BASE PLATE PLAN FOR GROUP D
Scale: 3/4" = 1'-0"

NOTE: FOR NOTES SEE DWG. NO. 17448



ANCHOR BOLT DETAIL
Scale: None

SHOE DETAILS ARKANSAS RIVER BRIDGE PULASKI COUNTY INT. ROUTE 430 SEC. 2 ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.			
DRAWN BY: FA	DATE: 11/20/70	SCALE: 1/2" = 1'-0"	
TRACED BY: DEM	DATE: 6/7/71		
BRIDGE NO. 5320		DRAWING NO. 17449	



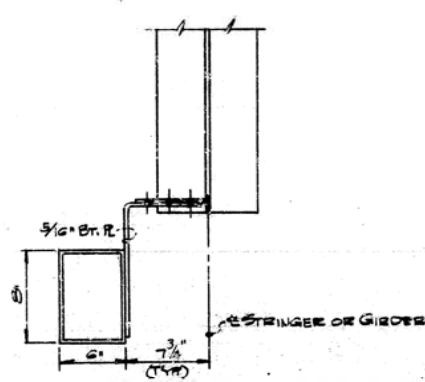
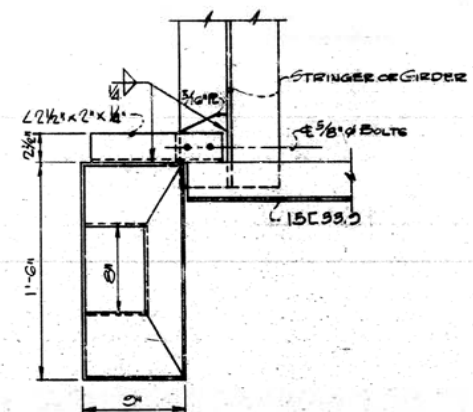
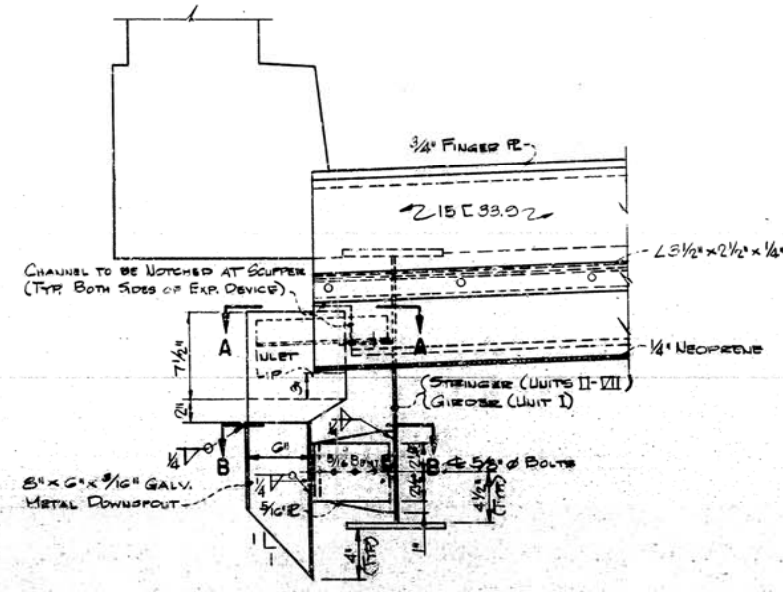
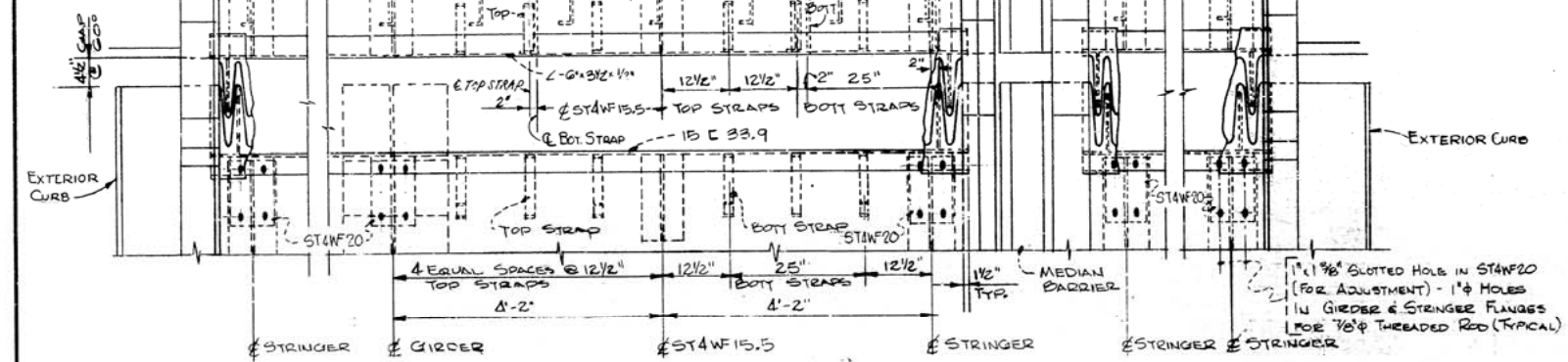
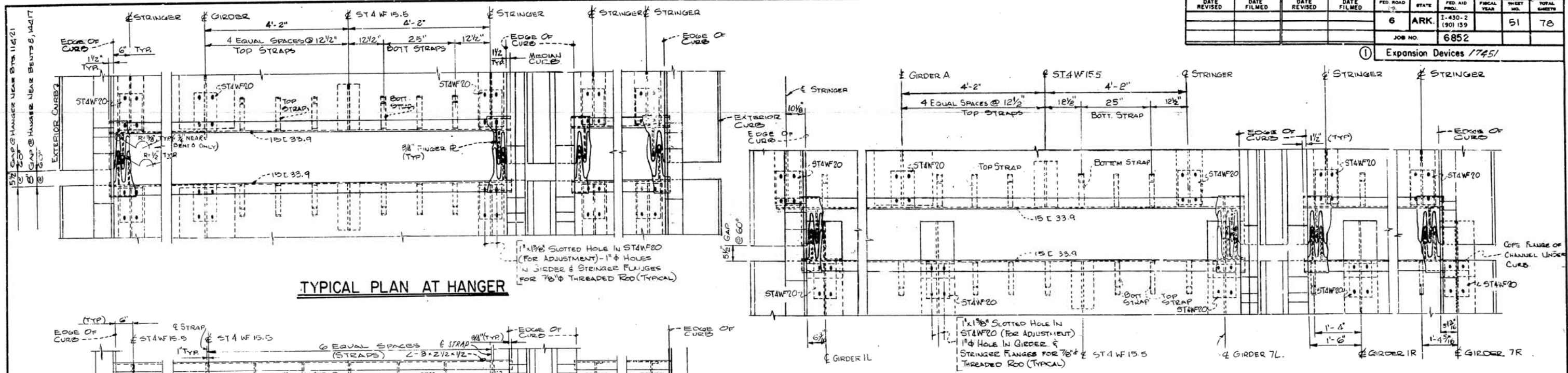
- NOTES:
1. FOR EXP. DEVICE SECTIONS SEE DWG. NO. 17452.
 2. FOR STRUCTURAL STEEL NOTES SEE DWG. NO. 17453.
 3. ALL STRUCTURAL STEEL IN THE EXPANSION DEVICES SHALL BE A.S.T.M. A-36

EXPANSION DEVICES
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: <u>K. E. F. R.</u> DATE: <u>6-24-70</u>	SCALE: <u>NONE</u>
TRACED BY: _____ DATE: _____	
CHECKED BY: <u>K. S. Y.</u> DATE: <u>6-30-71</u>	
BRIDGE NO. 5320	DRAWING NO. 17450

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-430-2 (190) 139		51	78
				JOB NO.		6852			

① Expansion Devices 17451

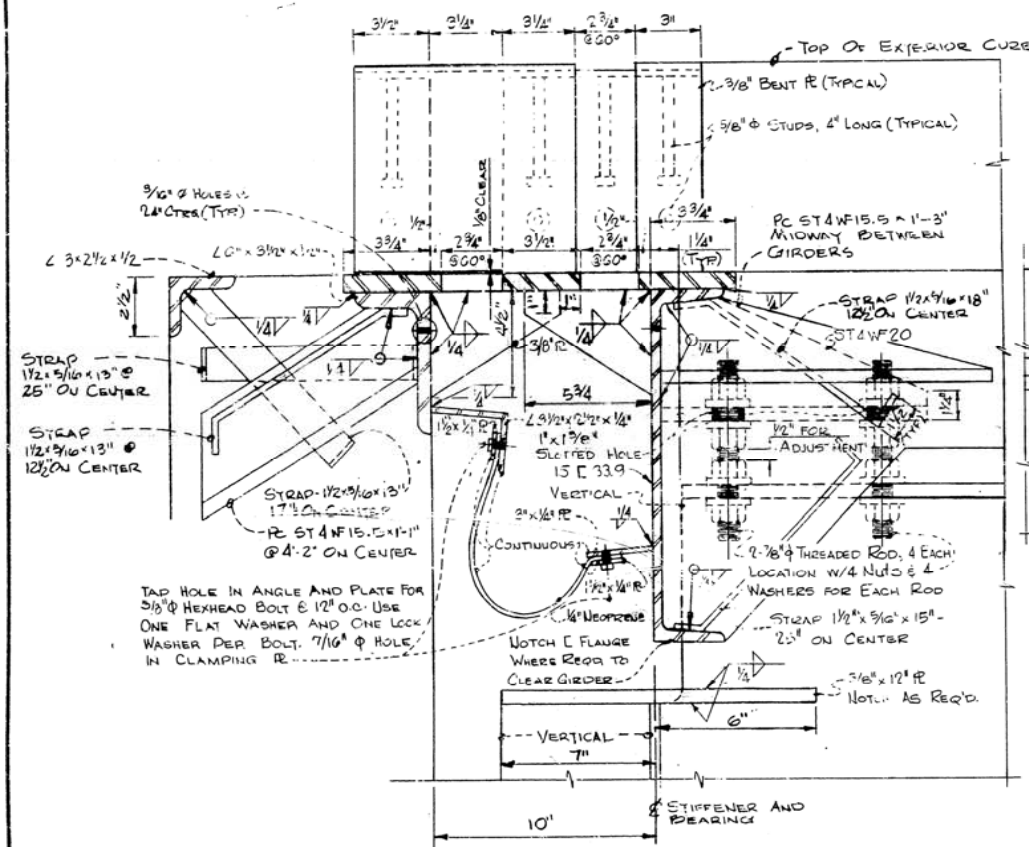


- NOTES:
1. FOR EXP. DEVICE SECTIONS SEE DWG. NO. 17452.
 2. FOR STRUCTURAL STEEL NOTES SEE DWG. NO. 17453.

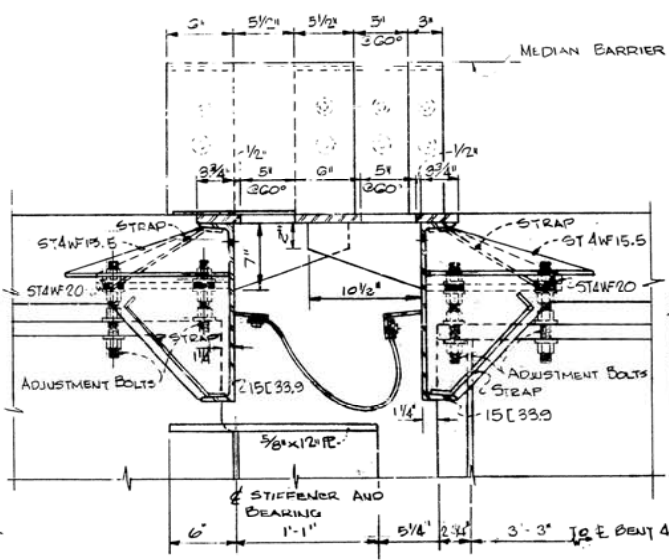
EXPANSION DEVICES	
ARKANSAS RIVER BRIDGE	
PULASKI COUNTY	
INT. ROUTE 430 SEC. 2	
ARKANSAS STATE HIGHWAY COMMISSION	
LITTLE ROCK, ARK.	
DRAWN BY: KGF:FA DATE: 6-23-70	SCALE: NONE
TRACED BY: DATE:	
CHECKED BY: KSY DATE: 5/71	
BRIDGE NO. 5320	DRAWING NO. 14451

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-430-2 (90) 139		52	78
				JOB NO. 6852					

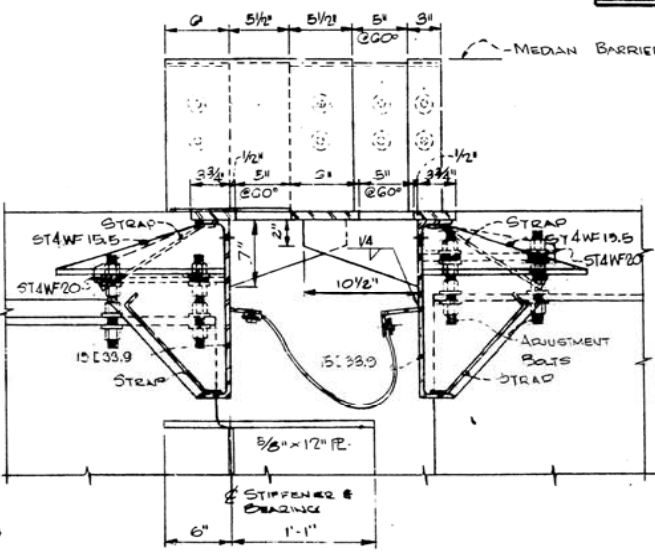
① Expansion Devices 17452



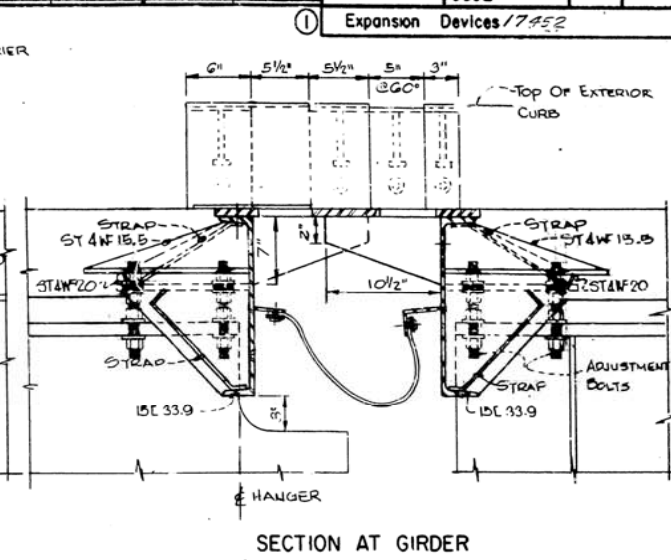
TYPICAL SECTION AT END BENT 1



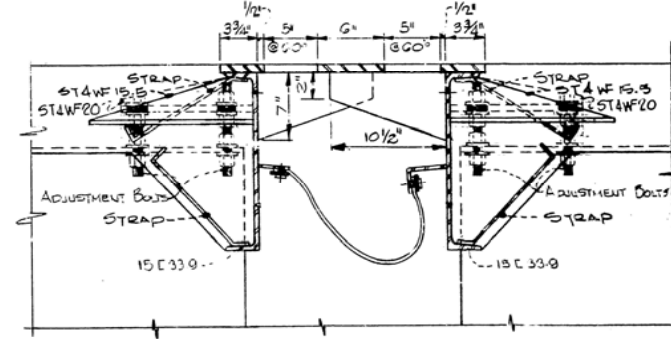
SECTION AT GIRDER



SECTION AT STRINGER



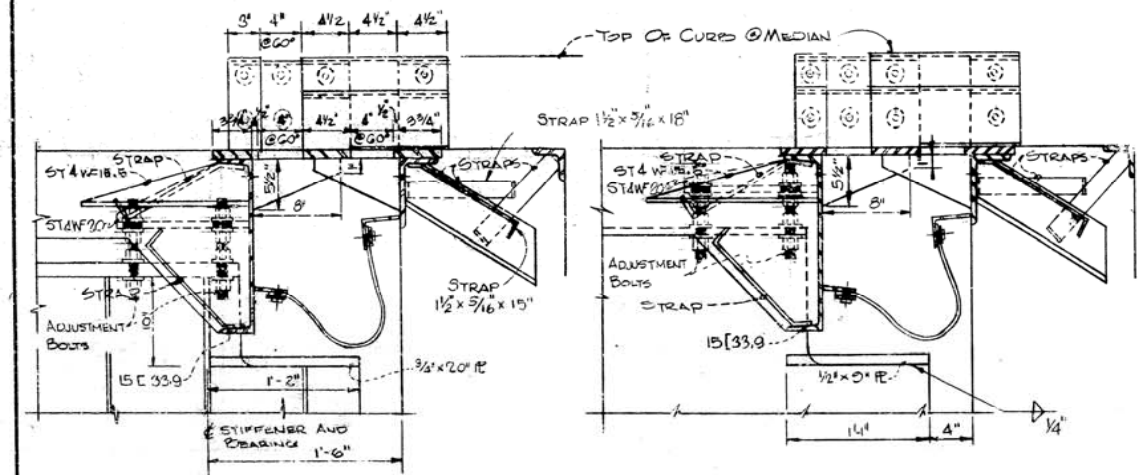
SECTION AT GIRDER



SECTION AT STRINGER

TYP. HANGER W/ 5" OPENING

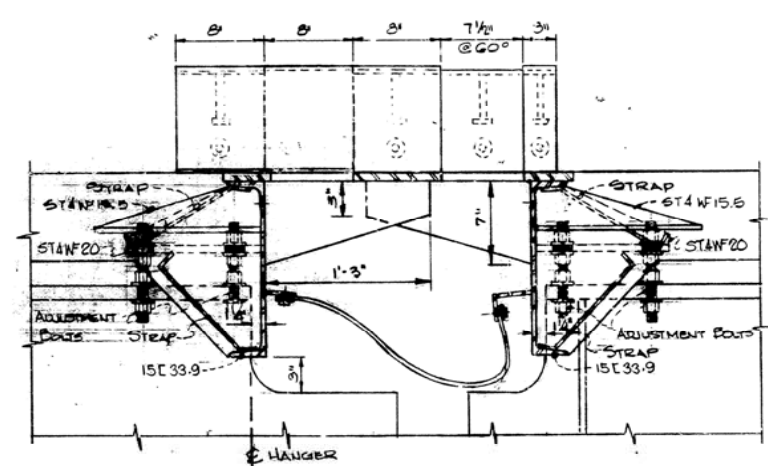
(NEAR BENTS 11, 21, BENT 21 SHOWN BENT 11 OPPOSITE HAND)



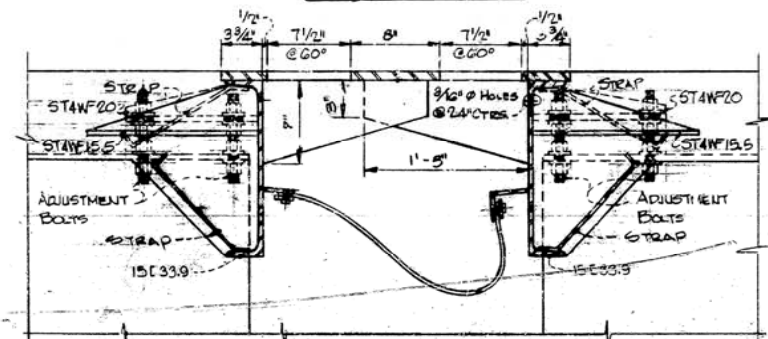
SECTION AT GIRDER

SECTION AT STRINGER

TYPICAL SECTIONS AT END BENT 24



SECTION AT GIRDER



SECTION AT STRINGER

TYP. HANGER W/ 7 1/2" OPENING

(NEAR BENTS 8, 14, 17) (BENT 8 & 14 SHOWN, BENT 17 OPPOSITE HAND)

- NOTES:
1. DATA SHOWN ON TYPICAL SECTION AT END BENT 11 TYPICAL FOR ALL SECTIONS UNLESS NOTED OTHERWISE.
 2. DIMENSIONS SHOWN AT OPENINGS ARE AT 60° FAHRENHEIT.
 3. THE 1/4" NEOPRENE DRAIN WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO THE ITEM OF STRUCTURAL STEEL IN PLATE GIRDER SPANS A-30°.

EXPANSION DEVICES
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: KGE/DATE: 6-23-72	SCALE: NONE
TRACED BY: DATE: 5/71	
CHECKED BY: KSY DATE: 5/71	
BRIDGE NO. 5320	DRAWING NO. 17452

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. AID NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-430-2 (901) 139		53	78
				JOB NO.		6852			

STRUCTURAL STEEL NOTES:

① Deflections - All Units /7453

- THESE DRAWINGS SHOW GENERAL FEATURES OF DESIGN ONLY. SHOP DRAWING SHALL BE MADE IN ACCORDANCE WITH THE SPECIFICATIONS SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.
- ALL STRUCTURAL STEEL SHALL BE ASTM DESIGNATION A-36 EXCEPT AS NOTED ON THE PLANS AND EXCEPT THE FLANGE PLATES, SPLICE PLATES AND LINK PLATES FOR UNITS II THRU VII INCL. WHICH SHALL BE HIGH STRENGTH LOW ALLOY STEEL, ASTM DESIGNATION A-588. PAY ITEMS ARE "STRUCTURAL STEEL IN PLATE GIRDER SPANS, A-36 OR A-588".
- ALL METAL BEARING AND ROADWAY EXPANSION DEVICES TO BE PAID FOR AS "STRUCTURAL STEEL IN PLATE GIRDER SPANS (A-36)".
- ALL CONNECTIONS SHALL BE BOLTED WITH 7/8" HIGH STRENGTH BOLTS WITH 15/16" HOLES OR 1" HIGH STRENGTH BOLTS WITH 1 1/16" HOLES, EXCEPT SUPPORTS FOR ROADWAY DRAINS WHICH SHALL BE BOLTED WITH 5/8" MACHINE BOLTS WITH 11/16" HOLES. BOLTS SHALL BE PLACED WITH HEADS ON THE OUTSIDE FACE OF EXTERIOR GIRDERS AND BOTTOM OF GIRDER FLANGES.
- ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY "STANDARD SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGES", CURRENT EDITION. CURRENT SUPPLEMENTAL SPECIFICATIONS SHALL ALSO APPLY. WELD INSPECTION CONFORMING TO AMERICAN WELDING SOCIETY AND THE 1964 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY SP-806-13 SHALL BE MADE BY THE ARKANSAS STATE HIGHWAY DEPARTMENT. FOR SUBMERGED ARC WELDING SEE AMERICAN WELDING SOCIETY DESIGNATION 2.0.
- STRUCTURAL SHAPES OF EQUAL OR GREATER STRENGTH MAY BE SUBSTITUTED FOR SHAPES SHOWN, BUT PAYMENT WILL BE MADE ON THE BASIS OF THE SHAPES SHOWN OR THOSE ACTUALLY USED, WHICHEVER IS LESS.
- ASTM DESIGNATION A172 GRADE 50 STRUCTURAL STEEL MAY BE USED IN PLACE OF ASTM A-588 FOR PLATES UP TO 1 1/2" IN THICKNESS.
- THE WELDING PROCEDURE THAT IS TO BE USED FOR STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ENGINEER AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN. SEE SPECIAL PROVISION "WELDING OF STRUCTURAL STEEL".
- ALL GIRDERS OF CONTINUOUS UNITS SHALL BE BLOCKED UP IN THEIR TRUE ALIGNMENT WITH THE WEB HORIZONTAL IN THE SHOP IN GROUPS OF A MINIMUM OF THREE SECTIONS. FIELD SPLICE PLATES SHALL BE CLAMPED IN PLACE AND HOLES REAMED WHILE MEMBERS ARE BLOCKED IN POSITION. MEMBERS AND SPLICE PLATES SHALL BE MATCH MARKED. CAMBER, LENGTH OF SECTIONS, AND DISTANCE BETWEEN BEARINGS SHALL BE MEASURED AND MADE A PERMANENT RECORD OF THIS JOB BY THE INSPECTOR. THE INSPECTOR SHALL BE AN AGENT ASSIGNED BY THE ARKANSAS HIGHWAY DEPARTMENT AND SHALL BE PRESENT DURING THE OPERATIONS OF REAMING HOLES, MATCH MARKING, AND MEASUREMENT OF SECTIONS. THE INSPECTOR SHALL PROVIDE THE RESIDENT ENGINEER WITH THE DATA OBTAINED FROM THE SHOP INSPECTION.
- ALL MEMBERS OF UNITS I THRU IV SHALL BE IN PLACE BEFORE THE DECK CONCRETE IS POURED IN UNITS I, II & III AND ALL MEMBERS OF UNITS IV THRU VII SHALL BE IN PLACE BEFORE THE DECK CONCRETE IS POURED IN UNITS V THRU VII. THE CONCRETE POURING SEQUENCE SHALL BE AS SHOWN ON THE SLAB PLANS UNLESS THE CONTRACTOR SUBMITS AN ALTERNATE PLAN TO THE ENGINEER FOR APPROVAL THIRTY DAYS BEFORE HE PLANS TO POUR THE DECK.
- GIRDER WEBS AND FLANGES MAY BE FABRICATED BY SHOP SPLICING FROM SECTIONS A MINIMUM OF 25'-0" LONG OR PLAN LENGTH. NO ADDITIONAL PAYMENT WILL BE MADE FOR WELDING PLATES WHERE SPLICES ARE NOT INDICATED ON THE PLANS.
- NO WELDING ON THE GIRDERS SUCH AS SUPPORTS FOR FORMS OR EQUIPMENT OTHER THAN THAT SHOWN ON THE PLANS WILL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
- BEARINGS SHALL BE FINALLY SEATED IN ACCORDANCE WITH SEC. 806.54, INCLUDING ALTERNATE STD. SPECS. THIS WORK AND MATERIALS ARE TO BE CONSIDERED SUBSIDIARY TO THE ITEM "STRUCTURAL STEEL IN PL. GIRDER SPANS (A-36)" AND WILL NOT BE PAID FOR DIRECTLY.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF THE SUBSTRUCTURE UNITS AND MAKE ANY NECESSARY ADJUSTMENTS OF THE SUPERSTRUCTURE TO FIT THE COMPLETED SUBSTRUCTURE UNITS.

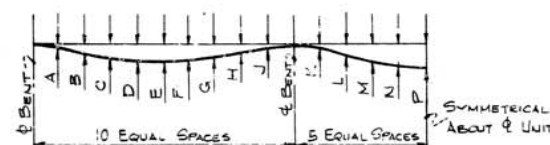
DEFLECTION TABLES

Unit - Pt.	Str. Steel Girder	Concrete Girder				
		ALL	1L	2-6 L & R	7L	7R
A	0.04	0.23	0.27	0.21	0.27	0.27
B	0.07	0.40	0.44	0.35	0.46	0.45
C	0.08	0.50	0.57	0.44	0.56	0.55
D	0.07	0.50	0.57	0.46	0.58	0.57
E	0.05	0.42	0.48	0.37	0.49	0.48
F	0.02	0.28	0.31	0.25	0.32	0.31
G	-0.01	0.12	0.13	0.11	0.13	0.13
H	-0.03	-0.01	0.00	0.00	-0.02	-0.02
I	-0.03	-0.06	-0.06	-0.05	-0.06	-0.06
K	0.10	0.35	0.36	0.28	0.39	0.39
L	0.25	0.85	0.88	0.70	1.00	0.95
M	0.39	1.37	1.45	1.15	1.59	1.54
N	0.49	1.74	1.85	1.47	2.01	1.94
P	0.52	1.85	2.06	1.57	2.14	2.07

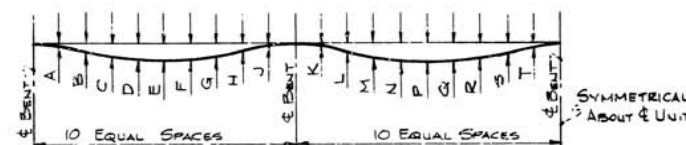
Unit - Pt.	Structural Steel Girder	Concrete Girder			
		A, C & D	B	C	D
A	0.23	0.23	0.86	0.68	0.84
B	0.44	0.43	1.56	1.27	1.54
C	0.57	0.56	2.04	1.66	2.03
D	0.64	0.65	2.25	1.85	2.26
E	0.63	0.62	2.21	1.83	2.25
F	0.56	0.55	1.93	1.60	1.97
G	0.42	0.41	1.44	1.22	1.50
H	0.26	0.25	0.84	0.72	0.89
J	0.11	0.09	0.31	0.27	0.35
K	-0.04	-0.03	-0.03	-0.03	-0.07
L	-0.01	-0.00	0.15	0.11	0.09
M	0.05	0.06	0.45	0.36	0.40
N	0.12	0.12	0.74	0.60	0.68
P	0.16	0.17	0.90	0.72	0.84
Q	0.16	0.16	0.87	0.72	0.84
R	0.14	0.13	0.63	0.56	0.65
S	0.08	0.08	0.38	0.31	0.36
T	0.02	0.02	0.10	0.09	0.10

Unit - Pt.	Structural Steel Girder		Concrete Girder			
	A, C & D		A	B	C	D
III & V A	0.26	0.28	0.92	1.00	0.89	0.89
B	0.57	0.59	1.99	1.90	1.93	1.94
C	0.78	0.81	2.73	2.53	2.55	2.67
D	0.90	0.94	3.12	2.86	3.03	3.06
E	0.92	0.95	3.13	2.85	3.05	3.07
F	0.83	0.86	2.81	2.52	2.73	2.75
G	0.66	0.68	2.17	1.94	2.11	2.13
H	0.42	0.43	1.35	1.21	1.31	1.32
J	0.18	0.18	0.56	0.49	0.54	0.54
K	-0.11	-0.11	-0.25	-0.22	-0.24	-0.25
L	-0.14	-0.14	-0.19	-0.16	-0.18	-0.20
M	-0.12	-0.11	0.03	0.07	0.03	0.02
N	-0.09	-0.08	0.26	0.29	0.24	0.22
P	-0.07	-0.07	0.34	0.37	0.32	0.31
IV A	0.86	0.89	1.89	1.78	1.89	1.82
B	1.53	1.57	3.32	3.06	3.32	3.20
C	1.94	1.99	4.16	3.81	4.15	4.00
D	2.06	2.11	4.37	3.97	4.34	4.21
E	1.90	1.94	3.97	3.58	3.92	3.82
F	1.50	1.53	3.05	2.74	3.00	2.94
G	0.95	0.97	1.82	1.65	1.81	1.75
H	0.42	0.43	0.68	0.63	0.71	0.66
J	0.10	0.10	0.08	0.07	0.09	0.08
K	0.15	0.16	0.59	0.56	0.58	0.57
L	0.09	0.09	0.28	0.26	0.28	0.28
M	1.49	1.54	4.10	3.70	3.88	3.95
N	2.09	2.15	5.57	5.05	5.31	5.37
P	2.30	2.37	6.09	5.50	5.84	5.87
VI A	0.29	0.29	1.09	0.95	1.05	1.05
B	0.52	0.54	1.99	1.74	1.91	1.92
C	0.69	0.71	2.59	2.28	2.45	2.50
D	0.77	0.79	2.86	2.53	2.76	2.76
E	0.76	0.78	2.81	2.48	2.70	2.70
F	0.66	0.68	2.44	2.16	2.35	2.35
G	0.50	0.52	1.81	1.61	1.74	1.74
H	0.30	0.31	1.07	0.97	1.02	1.03
J	0.12	0.12	0.40	0.37	0.38	0.38

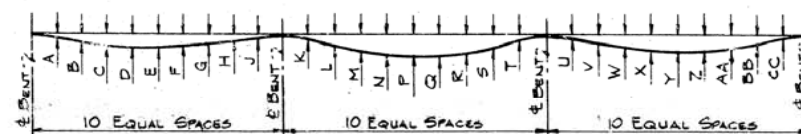
Unit - Pt.	Structural Steel Girder		Concrete Girder			
	A, C & D		A	B	C	D
VI K	-0.05	-0.05	-0.13	-0.08	-0.12	-0.13
L	-0.04	-0.03	0.05	0.08	0.05	0.05
M	0.04	0.05	0.41	0.40	0.39	0.39
N	0.12	0.13	0.77	0.70	0.74	0.74
P	0.17	0.18	0.96	0.91	0.92	0.93
Q	0.18	0.19	0.96	0.89	0.92	0.93
R	0.16	0.16	0.76	0.69	0.73	0.73
S	0.09	0.10	0.44	0.39	0.42	0.42
T	0.03	0.03	0.14	0.11	0.13	0.14
VII A	0.22	0.24	0.78	0.82	0.75	0.75
B	0.50	0.52	1.76	1.67	1.69	1.69
C	0.70	0.73	2.46	2.27	2.34	2.37
D	0.82	0.84	2.83	2.58	2.72	2.73
E	0.83	0.86	2.87	2.59	2.76	2.76
F	0.76	0.78	2.57	2.31	2.47	2.48
G	0.61	0.62	2.01	1.79	1.92	1.93
H	0.39	0.40	1.25	1.11	1.20	1.20
J	0.17	0.17	0.51	0.46	0.49	0.49
K	-0.09	-0.10	-0.19	-0.18	-0.18	-0.18
L	-0.13	-0.13	-0.15	-0.12	-0.14	-0.14
M	-0.13	-0.12	0.05	0.08	0.05	0.05
N	-0.11	-0.11	0.26	0.27	0.25	0.25
P	-0.11	-0.10	0.32	0.34	0.32	0.31
Q	-0.11	-0.11	0.22	0.25	0.22	0.22
R	-0.14	-0.14	0.02	0.05	0.02	0.02
S	-0.14	-0.14	-0.20	-0.16	-0.18	-0.19
T	-0.11	-0.11	-0.21	-0.20	-0.20	-0.20
U	0.18	0.18	0.55	0.49	0.52	0.53
V	0.42	0.43	1.32	1.18	1.27	1.27
W	0.65	0.66	2.14	1.90	2.05	2.06
X	0.83	0.84	2.77	2.46	2.64	2.67
Y	0.92	0.94	3.12	2.76	2.99	3.00
Z	0.91	0.93	3.14	2.78	3.02	3.03
AA	0.82	0.84	2.83	2.48	2.71	2.72
BB	0.62	0.63	2.19	1.92	2.10	2.10
CC	0.35	0.36	1.22	1.06	1.16	1.17



UNIT I, III, IV & V



UNIT II & VI



UNIT VII

D.L. DEFLECTION DIAGRAMS

NOTE: DEFLECTIONS SHOWN ARE FOR DEAD LOAD OF CONCRETE AND STEEL ONLY (VERTICAL CURVE CORRECTION NOT INCLUDED). SHOP DRAWINGS SHALL BE BASED ON THE DEFLECTIONS SHOWN COMBINED WITH THE APPLICABLE VERTICAL CURVE CORRECTIONS.

DEFLECTIONS ARE BASED ON THE VARIABLE WEIGHT PER LINEAR FOOT OF GIRDER FLANGES AND WEB, PLUS A UNIFORM LOAD PER FOOT. CONCRETE DEFLECTIONS DO NOT INCLUDE DEFLECTIONS AS PER WEIGHT OF FUTURE WEARING SURFACE.

DEFLECTIONS-ALL UNITS
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC.2

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: V.F. DATE: 11-21-70

TRACED BY: DATE: 5/71

CHECKED BY: K.S.Y. DATE: 5/71

SCALE: NONE

BRIDGE NO. 5320

DRAWING NO. 17453

BRIDGE ENGINEER

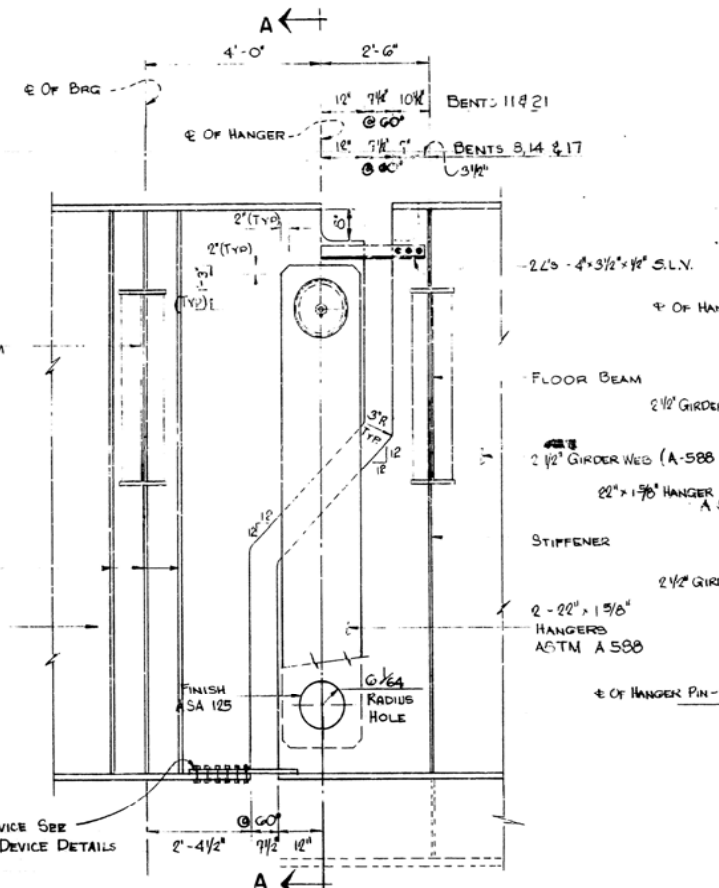
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	2-430-2 (201) 139		54	78
				JOB NO.		6852			

① Misc. Steel Details - Unit I Thru VII / 745

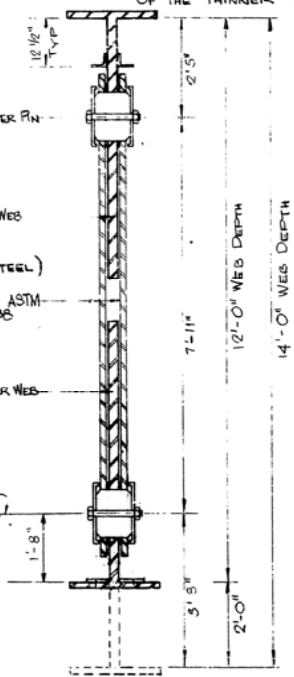
WELD TABLE

MATERIAL THICKNESS OF THICKER PART JOINED	* MINIMUM SIZE OF FILLET WELD
TO 3/4" INCL.	1/4"
OVER 3/4" TO 1 1/2"	5/16"
OVER 1 1/2" TO 2 1/4"	3/8"
OVER 2 1/4" TO 4"	1/2"
OVER 4" TO 6"	5/8"

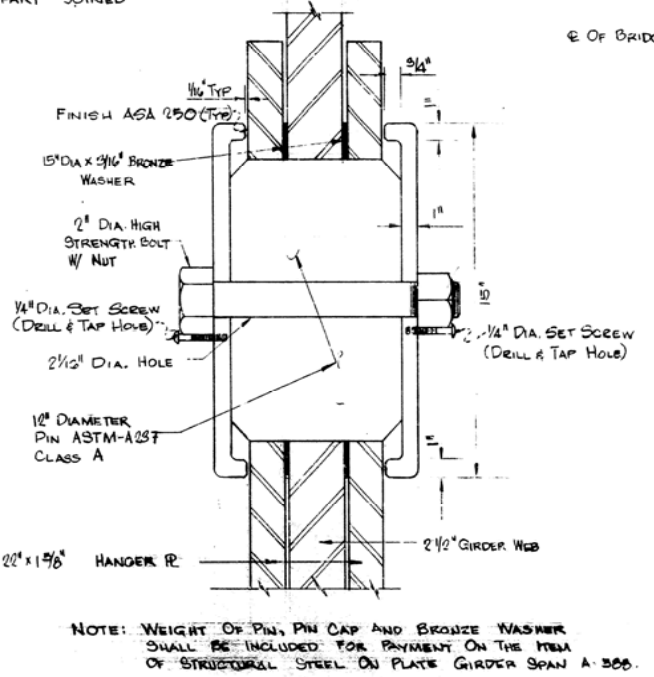
* EXCEPT THAT THE WELD SIZE NEED NOT EXCEED THE THICKNESS OF THE THINNER PART JOINED



HANGER ELEVATION
Scale: 1/2" = 1'-0"

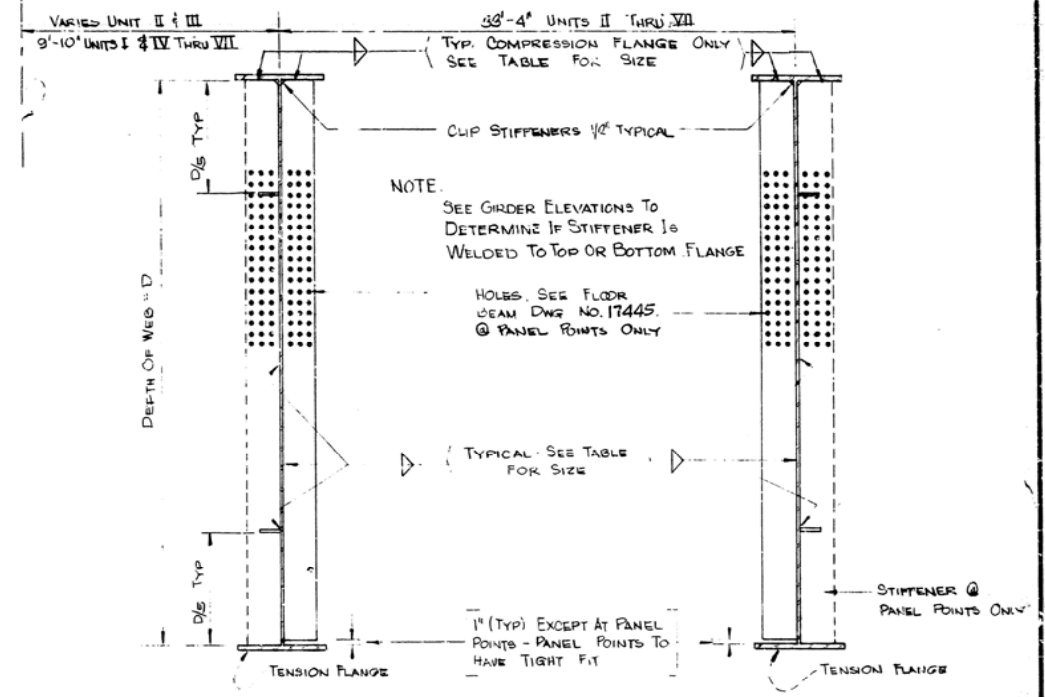


SECTION A-A
Scale: 1/2" = 1'-0"



HANGER PIN DETAIL
Scale: 3" = 1'-0"

NOTE: WEIGHT OF PIN, PIN CAP AND BRONZE WASHER SHALL BE INCLUDED FOR PAYMENT ON THE ITEM OF STRUCTURAL STEEL ON PLATE GIRDER SPAN A-300.

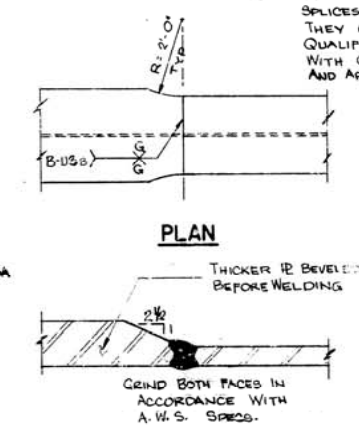


MEDIAN GIRDER

EXTERIOR GIRDER

INTERMEDIATE STIFFENERS

Scale: None
NOTE: OTHER TYPE OF WELDED SPLICES MAY BE USED PROVIDED THEY ARE PREQUALIFIED OR QUALIFIED IN ACCORDANCE WITH CURRENT A.W.S. SPECIFICATIONS AND APPROVED BY THE ENGINEER.



PLAN

ELEVATION

SECTION

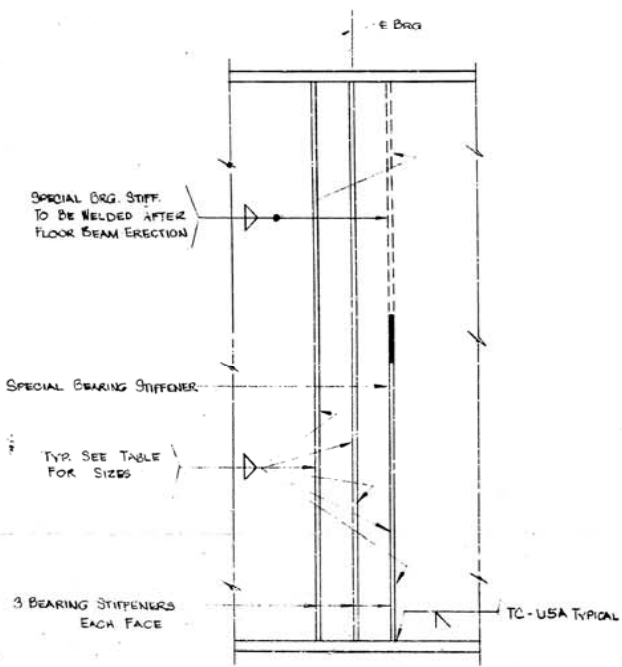
SECTION

SHOP FLANGE SPLICE

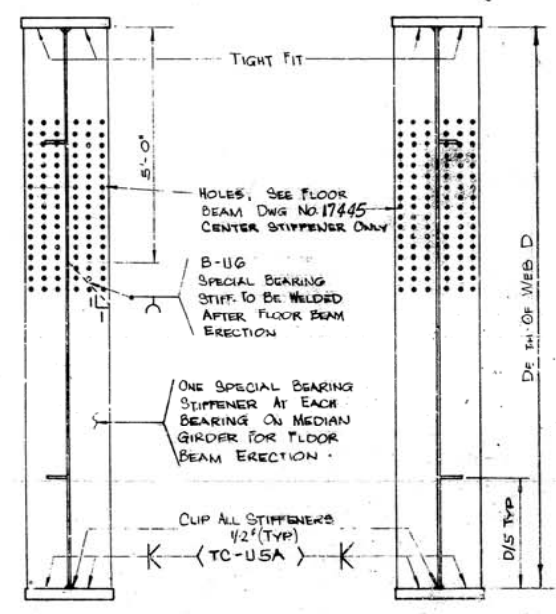
SHOP WEB SPLICE

Scale: None

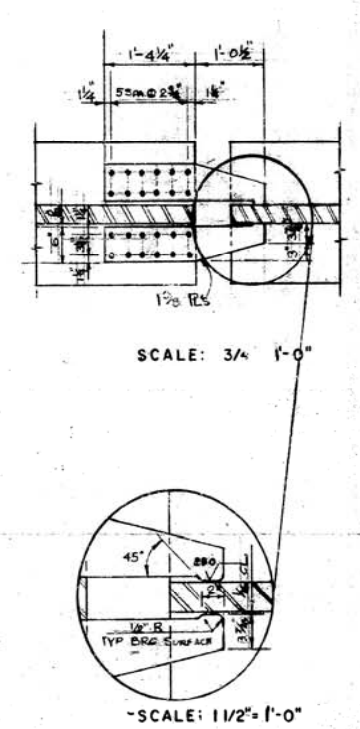
Scale: None



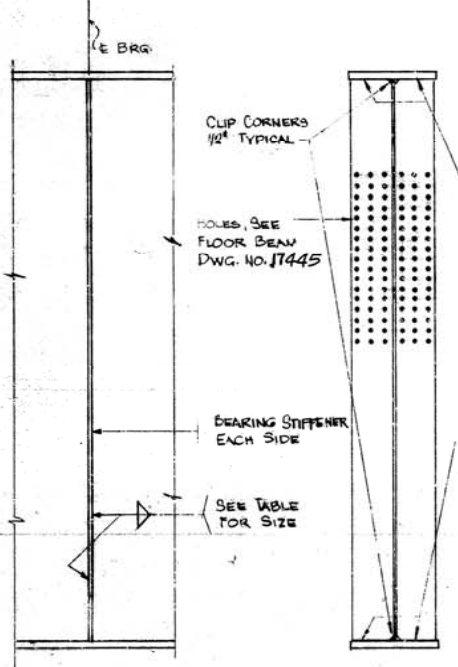
ELEVATION



MEDIAN GIRDER



WIND SHEAR DEVICE DETAILS
Scale: 1 1/2" = 1'-0"



ELEVATION

SECTION

BEARING STIFFENERS
(WITH TWO STIFFENERS)
Scale: None

BEARING STIFFENERS
(WITH SIX STIFFENERS)
Scale: None

MISCELLANEOUS STEEL DETAILS
UNIT I THRU VII
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: DGG STA	DATE: 11-18-70	SCALE: AS SHOWN
TRACED BY:	DATE:	
CHECKED BY: DEM	DATE: 9/71	
BRIDGE NO. 5320	DRAWING NO. 17454	

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (903 139)		55	78
				JOB NO.		6852			

① Slab Section - Unit I. 17-55

BAR LIST

MARK	SIZE	No. REQ'D	LENGTH	A	B	PIV DIA.
S1	G	710	19'-7"	-	-	STR.
S1A	G	555	36'-0"	-	-	STR.
S2	G	555	35'-1"	-	-	STR.
S3	G	355	32'-0"	31'-0 1/2"	G	3 1/2"
S3A	G	710	24'-5"	23'-3 1/2"	G	3 1/2"
S4	G	355	31'-7"	30'-10 1/2"	G	3 1/2"
S5	G	648	29'-5"	2'-10 1/2"	3'-10"	3 1/2"
S6	G	216	28'-5"	2'-10 1/2"	2'-10"	3 1/2"
S7	S	357	6'-6"	-	-	2"
S8	S	358	6'-0"	-	-	2"
S9	A	286	3'-4"	-	-	1 1/2"
S10	A	716	4'-11"	-	-	1 1/2"
S11	A	714	5'-9"	-	-	1 1/2"
S12	S	348	28'-10"	-	-	STR.
S13	S	2035	41'-2"	-	-	5'-R.
S14	S	304	21'-5"	-	-	STR.
S15	A	112	23'-7"	-	-	STR.
S15A	A	8	21'-2"	-	-	STR.
S16	A	135	40'-10"	-	-	STR.
S17	A	65	6'-0"	6'-0"	4"	3"
S18	A	16	9'-0"	-	-	1'-0"
S19	G	48	3'-3"	-	-	3"
S20	G	32	4'-7"	3'-11"	G	4 1/2"

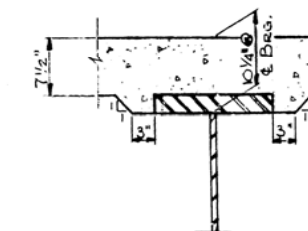
NOTE: ALL DIMENSIONS ARE CENTER TO CENTER OF BARS.

NOTE: BARS TO BE LAPPED 30 BAR DIAMETERS AT ALL SPICES.

TABLE OF OFFSETS

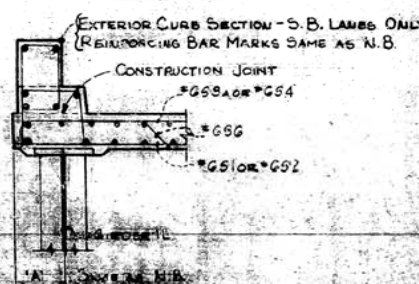
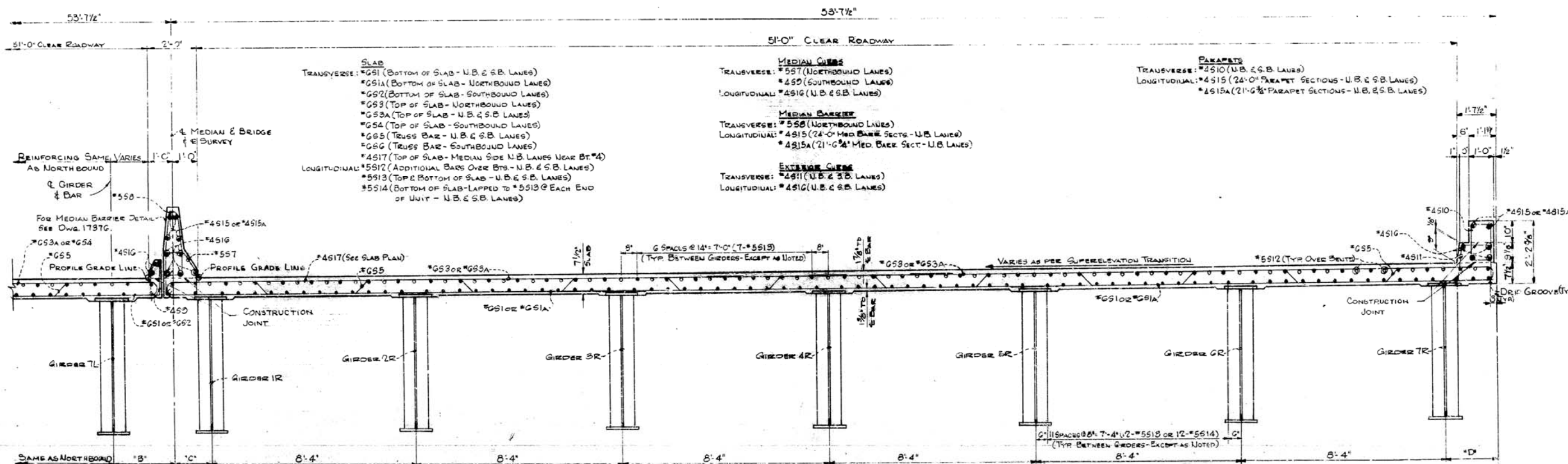
X	A	B	C	D
25'	1'-1 3/4"	2'-5 3/8"	1'-6 1/8"	2'-1 3/8"
35'	1'-2 1/4"	2'-5 3/8"	1'-6 5/8"	2'-0 3/8"
45'	1'-3"	2'-4 5/8"	1'-7 3/8"	2'-0 1/8"
55'	1'-4 1/8"	2'-3 1/2"	1'-8 1/2"	1'-10 3/8"
65'	1'-5 1/2"	2'-2"	1'-10"	1'-9 1/2"
75'	1'-7 3/8"	2'-0 1/4"	1'-11 3/4"	1'-7 3/4"
85'	1'-9 3/8"	1'-10 1/4"	2'-1 3/4"	1'-5 3/8"
95'	1'-11 3/8"	1'-7 3/8"	2'-4 1/4"	1'-3 1/2"

X = DISTANCE MEASURED ALONG
GIRDERS FROM THE C BENT # 3



DETAIL OF HAUNCH

Scale: 1" = 1'-0"



DIMENSIONS A, B, C, D
FROM BEGINNING OF UNIT I TO P.C. (E SURVEY STA. 553+24.58)
A = 1'-1 1/2"
B = 2'-6"
C = 1'-6"
D = 2'-1 1/2"
FROM P.C. TO END OF UNIT I - DIM. A THRU D VARIES
SEE TABLE OF OFFSETS

TYPICAL SECTION THRU SLAB

Scale: 3/8" = 1'-0"

LONGITUDINAL REINFORCING IN TOP AND BOTTOM OF SLAB TO BE ADJUSTED TO EQUAL SPACINGS WHERE SLAB IS CURVED. TYPICAL BETWEEN GIRDERS (1L2L, 1L6L, 1L2R, 1L6R) AND INCLUDING SLAB OVERHANG.

NOTES:

1. FOR CROSS-MEASUREMENTS SEE DWG. 17430 AND 17432.
2. FOR SLAB PLAN SEE DWG. 17456.
3. FOR MISCELLANEOUS SLAB DETAILS SEE DWG. 17464.
4. FOR MEDIAN BARRIER DETAILS SEE DWG. 17457.
5. FOR CURB AND CONC. DETAIL SEE DWG. 17465.

SLAB SECTION - UNIT I

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

INT. ROUTE 430 SEC. 2

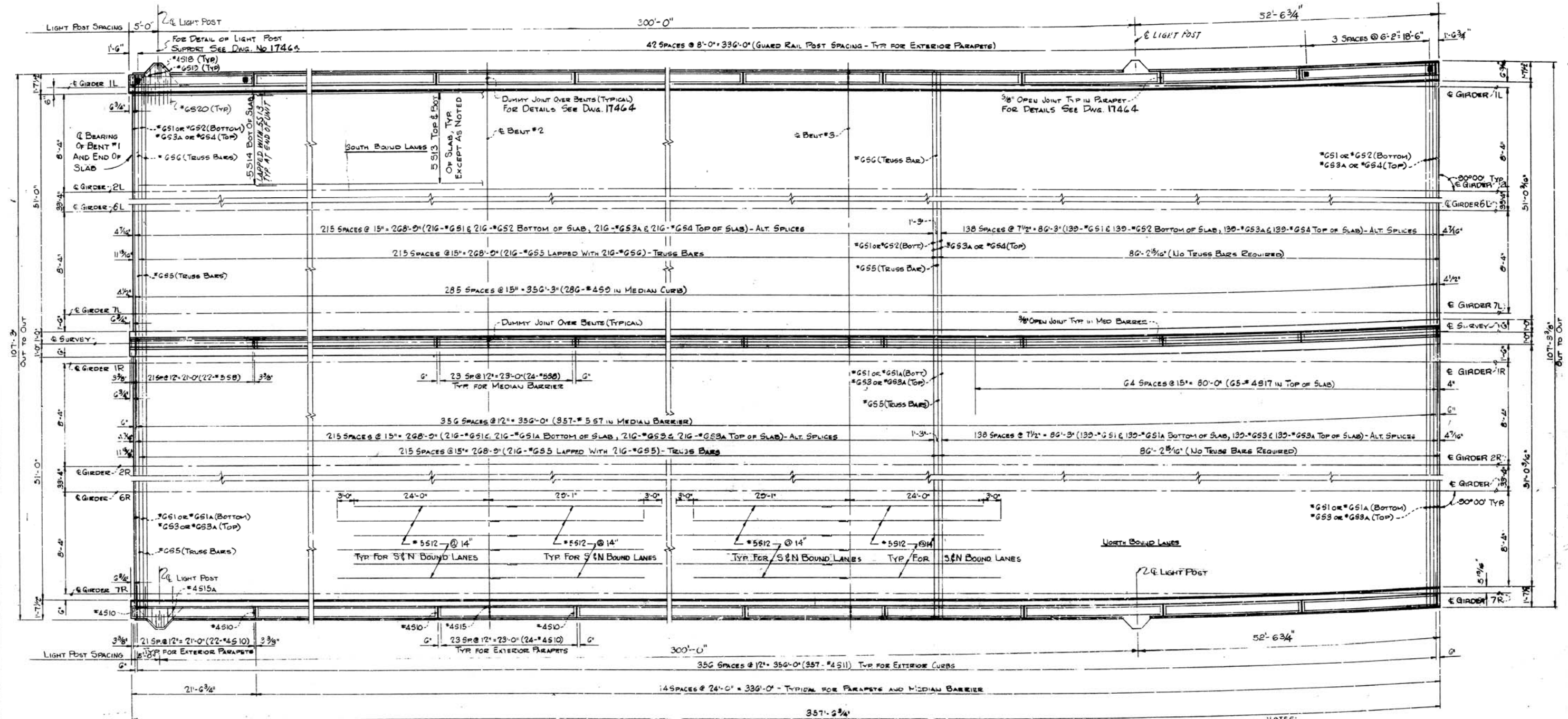
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: K.F. JONES	DATE: 8/28/50	SCALE: AS SHOWN
CHECKED BY: J.V.	DATE: 8/28/50	
DESIGNED BY: J.V.	DATE: 8/28/50	
PROJECT NO. 5320	DRAWING NO. 7455	

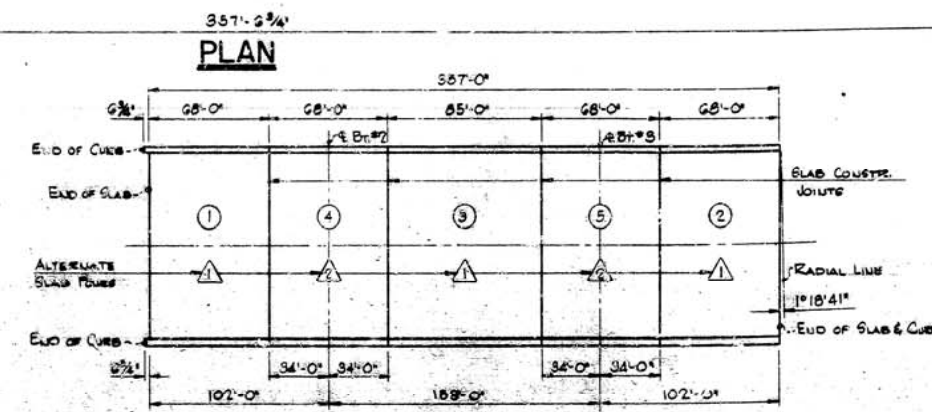
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90) 139		56	70
				JOB NO.		6852			

① Slab Plan - Unit I/7456



POURING NOTE:
SLAB IS TO BE POURED IN THE ORDER SHOWN OR IN ONE CONTINUOUS POUR FROM END TO END IN LESS THAN 10 HOURS. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND CAREFULLY CLEANED BEFORE ADJACENT SECTION IS POURED. AFTER THE FIRST SECTION IS POURED NOT LESS THAN 48 HOURS SHALL ELAPSE BEFORE THE SECOND SECTION IS POURED AND NOT LESS THAN 72 HOURS SHALL ELAPSE BETWEEN ADJACENT POURS. A MINIMUM OF 72 HOURS SHALL ELAPSE BETWEEN COMPLETION OF THE SLAB POUR AND THE POURING OF THE CURBS SECTION OR MEDIAN BARRIER.

FINISHING NOTE:
MOVEMENT OF THE FINISHING MACHINE ACROSS NEW CONCRETE SHALL BE PROHIBITED FOR 72 HOURS AFTER FINISHING THE POUR. PROTECTIVE PLANKING SHALL BE USED THEREAFTER AS REQUIRED BY THE ENGINEER. SEE SPECIAL PROVISION JOB 6852, REVISION OF SECTION 802- CONCRETE FOR STRUCTURES.



SLAB POURING DIAGRAM

- NOTES:
- FOR BAR LIST SEE DWG. 17374
 - FOR SLAB CONSTR./JT. DETAIL SEE DWG. 17464
 - FOR TYPICAL SECTION THRU SLAB SEE DWG. 17455
 - FOR GLARE SCREEN POST SPACING SEE DWG. 17465
 - FOR DRAIN LOCATION SEE FRAMING PLAN DWG. 17429
 - FOR LONGITUDINAL BARS IN EXTERIOR CURBS & IN MEDIAN SEE DWG. 17466
 - FOR LIGHT POST SUPPORT DETAILS SEE DWG. 17466

SLAB PLAN-UNIT I

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

INT. ROUTE 430 SEC. 2

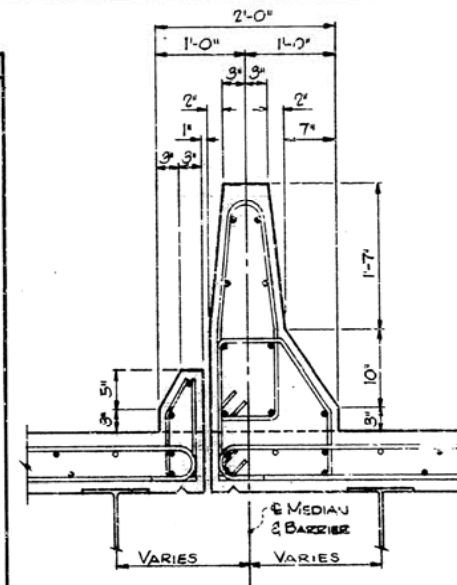
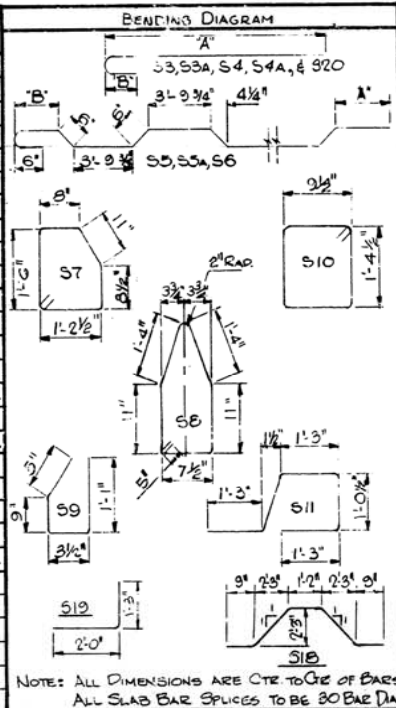
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

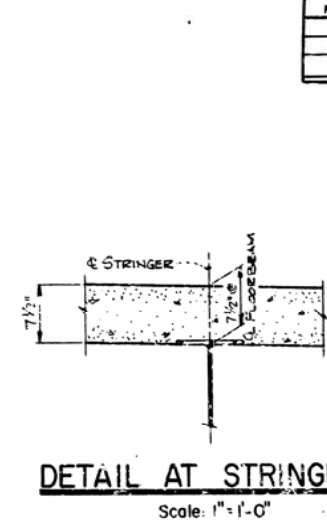
DRAWN BY: C.S.	DATE: 2/28/70	SCALE: NONE
TRACED BY: J.T.	DATE: 10/20/70	
CHECKED BY: J.T.	DATE: 10/20/70	
BRIDGE NO. 5320		DRAWING NO. 17456

BAR LIST

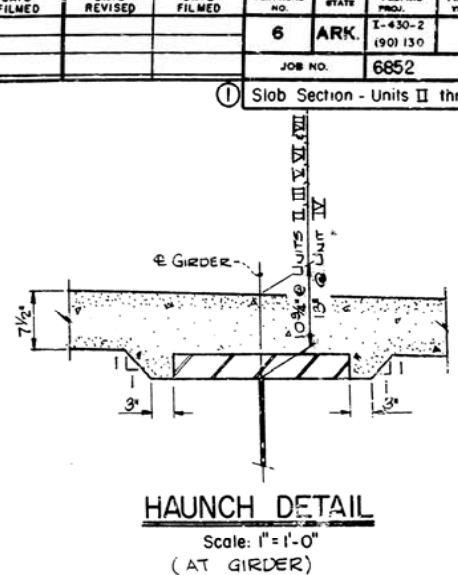
MAK	SIZE	NUMBER REQUIRED						LENGTH						DIM. "A"	DIM. "B"	PIN DIA.	
		II	III	IV	V	VI	VII	UNIT I	UNIT II	UNIT IV	UNIT V	UNIT VI	UNIT VII				
51	*G	2555	1014	1758	1012	1344	990	19'-7"	19'-7"	19'-7"	19'-7"	19'-7"	19'-7"	-	-	STR.	
51A	*G	1267	507	879	506	672	495	36'-0"	36'-0"	36'-0"	36'-0"	36'-0"	36'-0"	-	-	STR.	
52	*G	1288	507	879	506	672	495	35'-1"	35'-1"	35'-1"	35'-1"	35'-1"	35'-1"	-	-	STR.	
53	*G	1267	507	879	506	672	495	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	31'-9 1/2"	G"	3 1/2"	
53A	*G	2555	1014	1758	1012	1344	990	24'-5"	24'-5"	24'-5"	24'-5"	24'-5"	24'-5"	23'-8 1/2"	G"	3 1/2"	
54	*C	1288	507	879	506	672	495	31'-7"	31'-7"	31'-7"	31'-7"	31'-7"	31'-7"	30'-10 1/2"	G"	3 1/2"	
55	*G	-	1012	1756	1010	1342	988	-	29'-5"	29'-5"	29'-5"	29'-5"	29'-5"	29'-5"	29'-5"	3'-10"	3 1/2"
55A	*G	-	506	878	505	671	494	-	29'-3"	29'-3"	29'-3"	29'-3"	29'-3"	29'-3"	29'-3"	2'-10 1/2"	3 1/2"
56	*G	-	506	878	505	671	494	-	28'-4"	28'-4"	28'-4"	28'-4"	28'-4"	28'-4"	28'-4"	2'-8 1/2"	3 1/2"
57	*5	791	634	1098	636	840	619	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	5'-6"	SEE DIAGRAM	2"	SEE DIAGRAM	
58	*5	792	636	1098	636	840	620	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	SEE DIAGRAM	2"	SEE DIAGRAM	
59	*4	633	507	879	506	672	495	3'-4"	3'-4"	3'-4"	3'-4"	3'-4"	3'-4"	SEE DIAGRAM	1 1/2"	SEE DIAGRAM	
510	*4	1586	1272	2196	1272	1680	1240	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	SEE DIAGRAM	1 1/2"	SEE DIAGRAM	
511	*4	1584	1268	2196	1268	1680	1238	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	SEE DIAGRAM	1 1/2"	SEE DIAGRAM	
512	*5	534	534	892	594	801	534	4'-0"	29'-9"	35'-8"	29'-9"	28'-9"	28'-9"	-	-	STR.	
513	*5	2313	4206	6463	4318	5047	3621	39'-2"	38'-9"	40'-9"	41'-0"	39'-8"	40'-2"	-	-	STR.	
513A	*5	2472	-	-	-	-	-	38'-2"	-	-	-	-	-	-	-	STR.	
514	*5	290	290	290	290	290	290	20'-5"	20'-2"	21'-2"	21'-4"	20'-8"	20'-10"	-	-	STR.	
515	*4	248	290	392	192	280	192	23'-7"	23'-7"	23'-7"	23'-7"	23'-7"	23'-7"	-	-	STR.	
515A	*4	4	16	16	16	16	16	29'-6"	17'-5"	20'-9"	25'-4"	-	21'-11"	-	-	STR.	
515B	*4	4	-	-	-	-	-	18'-3"	-	-	-	-	-	-	-	STR.	
515C	*4	8	-	-	-	-	-	23'-11"	-	-	-	-	-	-	-	STR.	
516	*4	84	255	420	240	315	240	35'-6"	38'-7"	40'-5"	40'-11"	41'-2"	39'-11"	-	-	STR.	
516A	*4	147	-	-	-	-	-	38'-11"	-	-	-	-	-	-	-	STR.	
516B	*4	84	-	-	-	-	-	38'-4"	-	-	-	-	-	-	-	STR.	
518	*4	16	16	32	16	24	16	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	SEE DIAGRAM	1 1/2"	SEE DIAGRAM	
519	*G	48	48	96	48	72	48	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	SEE DIAGRAM	9"	SEE DIAGRAM	
520	*G	32	32	64	32	48	32	4'-7"	4'-7"	4'-7"	4'-7"	4'-7"	4'-7"	G"	4 1/2"	SEE DIAGRAM	
521	*G	32	-	32	-	32	-	3'-0"	-	3'-0"	-	3'-0"	-	-	-	STR.	



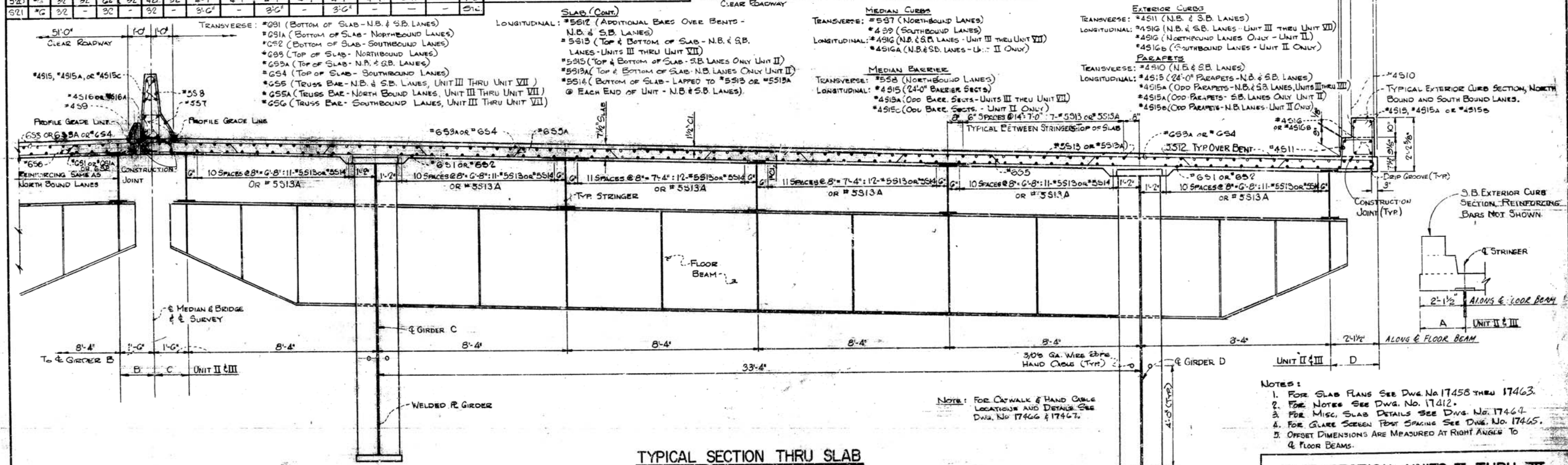
MEDIAN BARRIER DETAIL
Scale: 1" = 1'-0"



DETAIL AT STRINGER
Scale: 1" = 1'-0"



HAUNCH DETAIL
Scale: 1" = 1'-0"
(AT GIRDER)



TYPICAL SECTION THRU SLAB
Scale: 1/2" = 1'-0"

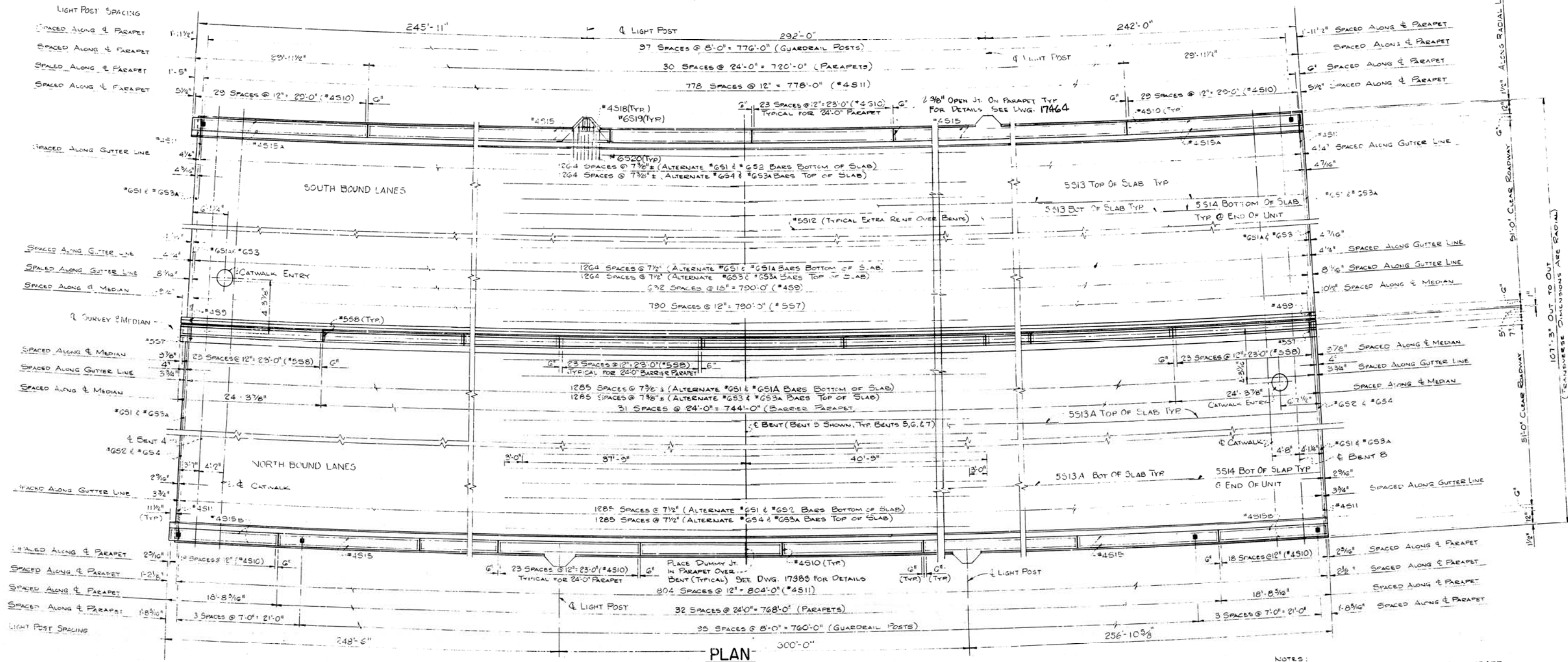
- NOTES:
1. FOR SLAB PLANS SEE DWG. NO. 17458 THRU 17463.
 2. FOR NOTES SEE DWG. NO. 17412.
 3. FOR MISC. SLAB DETAILS SEE DWG. NO. 17464.
 4. FOR SLAB SCREEN POST SPACING SEE DWG. NO. 17465.
 5. OFFSET DIMENSIONS ARE MEASURED AT RIGHT ANGLES TO & FLOOR BEAMS.

SLAB SECTION - UNITS II THRU VII
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

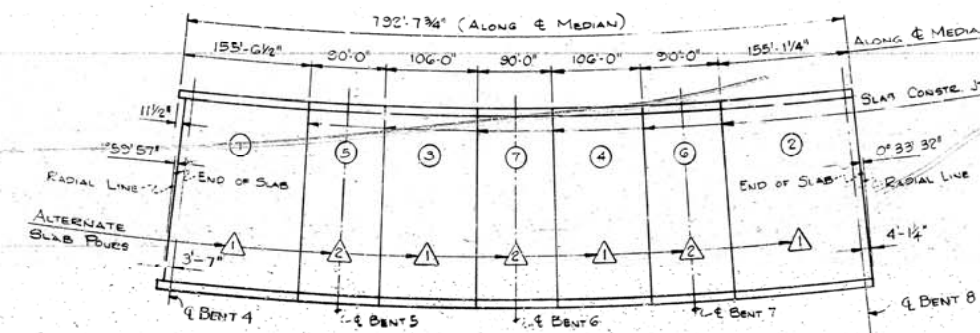
DESIGNED BY: C.S.D.G.	DATE: 5/23/70	SCALE: 1/2" = 1'-0"
TRACED BY: J.S.Y.	DATE: 5/27/71	
CHECKED BY: J.S.Y.	DATE: 5/27/71	
BRIDGE NO. 5320	DRAWING NO. 17457	

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (501) 159		58	78
				JOB NO.		6852			

① Slab Plan-Unit II/7458



PLAN



SLAB POURING DIAGRAM

POURING NOTE:

SLAB IS TO BE POURED IN THE SEQUENCE SHOWN OR IN ONE CONTINUOUS POUR FROM END TO END IN LESS THAN 90 HOURS. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND CAREFULLY CLEANED BEFORE ADJACENT SECTION IS POURED. AFTER THE FIRST SECTION IS POURED NOT LESS THAN 48 HOURS SHALL ELAPSE BEFORE THE SECOND SECTION IS POURED AND NOT LESS THAN 72 HOURS SHALL ELAPSE BETWEEN ADJACENT POURS. A MINIMUM OF 72 HOURS SHALL ELAPSE BETWEEN COMPLETION OF THE SLAB POUR AND THE POURING OF THE CURB SECTION OR MEDIAN BARRIER.

NOTE:

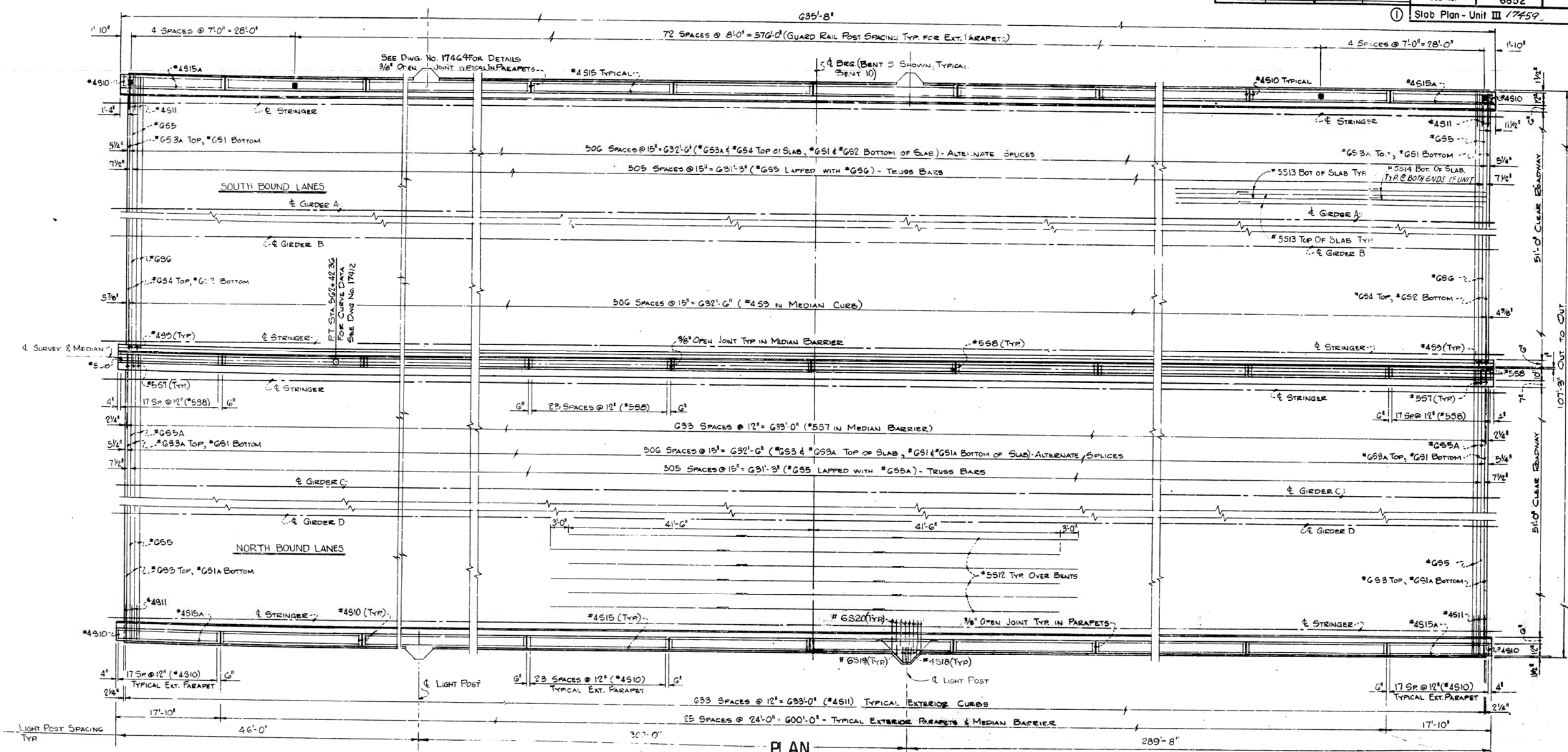
MOVEMENT OF THE FINISHING MACHINE ACROSS NEW CONCRETE WHEN PROTECTED BY MEANS OF PLANKING PLACED ON THE SURFACE SHALL BE PROHIBITED FOR 72 HOURS AFTER FINISHING THE FOUR PROTECTIVE PLANKING SHALL BE USED THEREAFTER AS REQUIRED BY THE ENGINEER. SEE SPECIAL PROVISIONS JOB 6852, REVISION OF SECTION 802-CONCRETE FOR STRUCTURES.

- NOTES:
1. FOR REINFORCING BAR LIST SEE DWG. 17457.
 2. FOR SLAB CONSTRUCTION DETAIL SEE DWG. 17464.
 3. FOR TYPICAL SECTION THROUGH BRIDGE SEE DWG. 17457.
 4. FOR ADDITIONAL NOTES SEE DWG. NO. 17412.
 5. FOR CLARE SCREEN PAV. SPACING SEE DWG. NO. 17445.
 6. FOR DRAIN LOCATION SEE FRAMING PLAN DWG. NO. 17433.
 7. FOR STRINGER LOCATION WITH RESPECT TO SLAB SEE DWG. 17457.
 8. FOR ADDITIONAL BARS IN MEDIAN & CURBS SEE DWG. 17457.
 9. FOR LIGHT POST SUPPORT DETAILS SEE DWG. NO. 17464.

SLAB PLAN-UNIT II
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

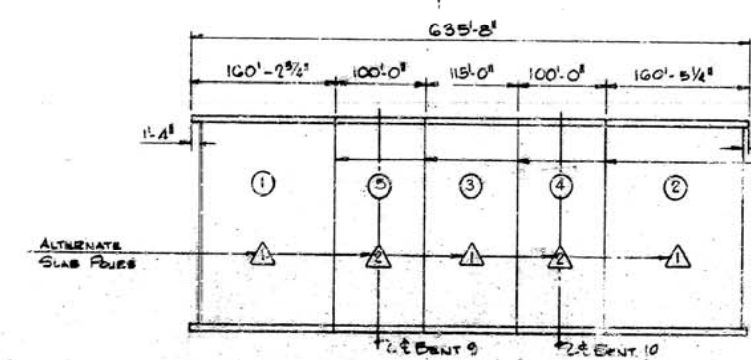
DRAWN BY: D.G.G.	DATE: 2-23-70	SCALE: NONE
TRACED BY: K.S.Y.	DATE: 4-8-71	
CHECKED BY: K.S.Y.	DATE: 4-8-71	
BRIDGE NO. 5320	DRAWING NO. 17458	

194									
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-4 (66) 129		59	78
				JOB NO.		6852			
				① Slab Plan - Unit III 17459					



POURING NOTE:
SLAB IS TO BE POURED IN THE ORDER SHOWN OR IN ONE CONTINUOUS POUR FROM END TO END IN LESS THAN 10 HOURS. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND CAREFULLY CLEANED BEFORE ADJACENT SECTION IS POURED. AFTER THE FIRST SECTION IS POURED NOT LESS THAN 48 HOURS BETWEEN ADJACENT POURS AND NOT LESS THAN 72 HOURS SHALL ELAPSE BETWEEN ADJACENT POURS. A MINIMUM OF 72 HOURS SHALL ELAPSE BETWEEN COMPLETION OF THE SLAB POUR AND THE POURING OF THE CURB SECTION OR MEDIAN BARRIER.

FINISHING NOTE:
MOVEMENT OF THE FINISHING MACHINE ACROSS NEW CONCRETE SHALL BE PROHIBITED FOR 72 HOURS AFTER FINISHING THE POUR. PROTECTIVE PLANKING SHALL BE USED THEREAFTER AS REQUIRED BY THE ENGINEER. SEE SPECIAL PROVISION JOB 6852, REVISION OF SECTION 602- CONCRETE FOR STRUCTURES.



SLAB POURING DIAGRAM

- NOTES:**
1. FOR REINFORCING BAR LIST SEE DWG. NO. 17457.
 2. FOR MISC. SLAB DETAILS SEE DWG. NO. 17464.
 3. FOR ADDITIONAL NOTES SEE DWG. NO. 17412.
 4. FOR TYP. SECTION THRU BRIDGE SEE DWG. NO. 17457.
 5. FOR DRAIN LOCATION SEE FRAMING PLAN DWG. NO. 17437 (TO BE CONTINUED)

SLAB PLAN - UNIT III

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

INT ROUTE 430 SEC. 2

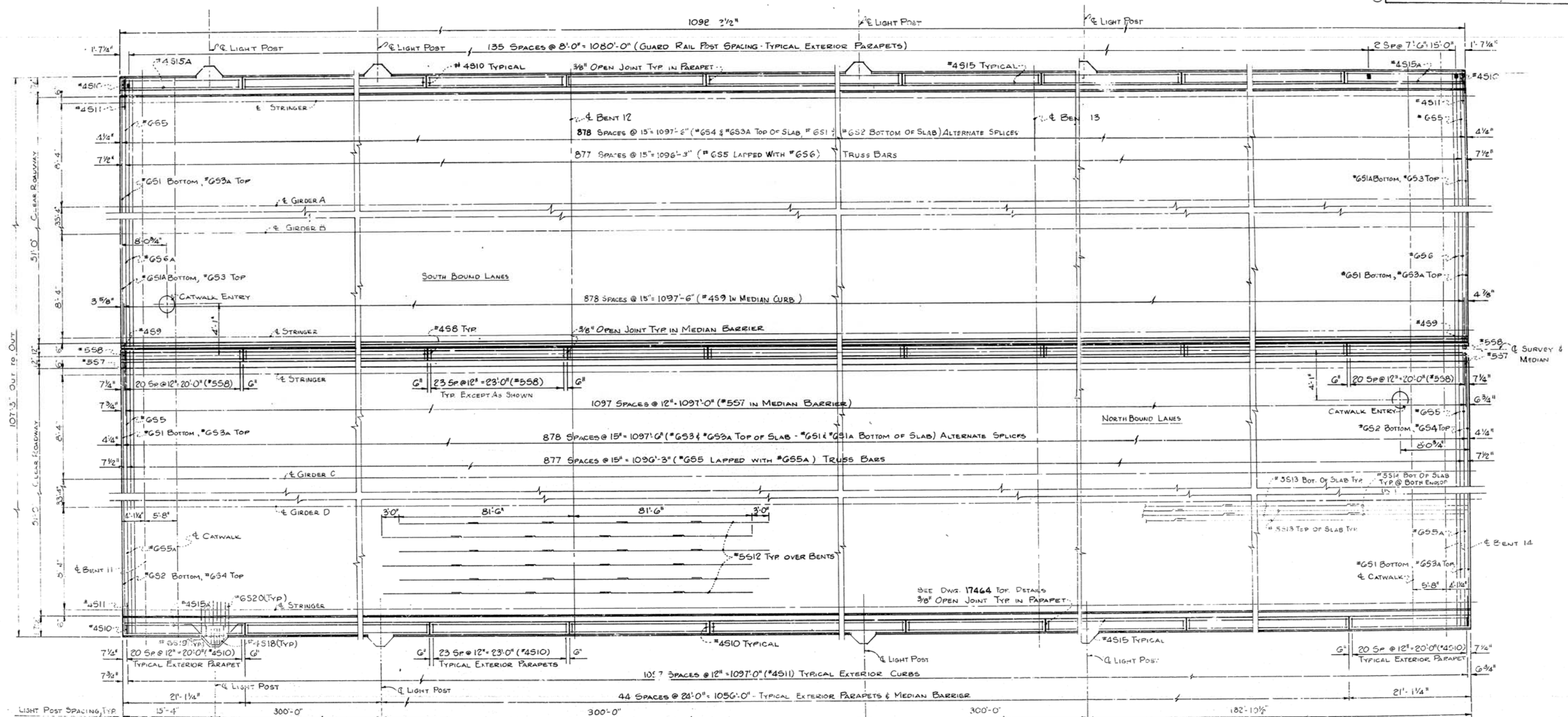
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: D.G.G. DATE: 10-7-70 CHECKED BY: K.S.V. DATE: 3-22-71	SCALE: NONE BRIDGE NO. 5320 DRAWING NO. 17459
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BRIDGE ENGINEER

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90) 139		60	78
				JOB NO.		6852			
① Slab Plan - Unit IV 17460									



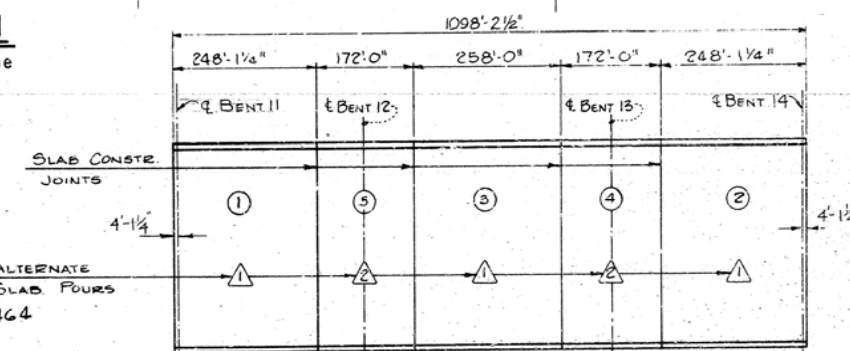
POURING NOTE: Slab is to be poured in the order shown or in one continuous pour from end to end in less than 10 hours. Construction joints shall be properly formed and carefully cleaned before adjacent section is poured. After the first section is poured not less than 48 hours shall elapse before the second section is poured and not less than 72 hours shall elapse between adjacent pours.

A minimum of 72 hours shall elapse between completion of the slab pour and the pouring of the curb section or median barrier.

FINISHING NOTE: Movement of the finishing machine across new concrete shall be prohibited for 72 hours after finishing the pour. Protective plankings shall be used thereafter as required by the engineer. See special provision job 6852, revision of section 802 - concrete for structures.

PLAN
Scale: None

- NOTES (CONT'D)**
7. FOR LIGHT POST SUPPORT DETAILS SEE DWG. NO. 17464
 8. FOR ADDITIONAL LONGITUDINAL BARS IN EXTERIOR CURBS & IN MEDIAN SEE DWG. NO. 17457
 9. FOR CATWALK DETAILS SEE DWG. NO. 17466 & 17467.



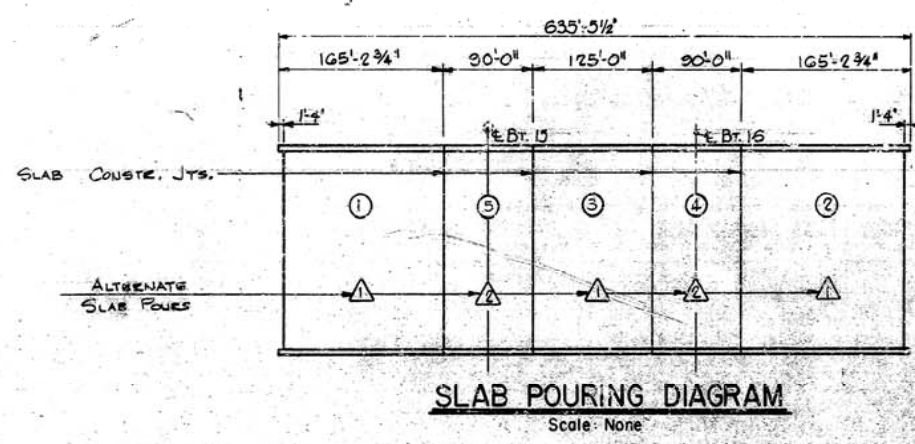
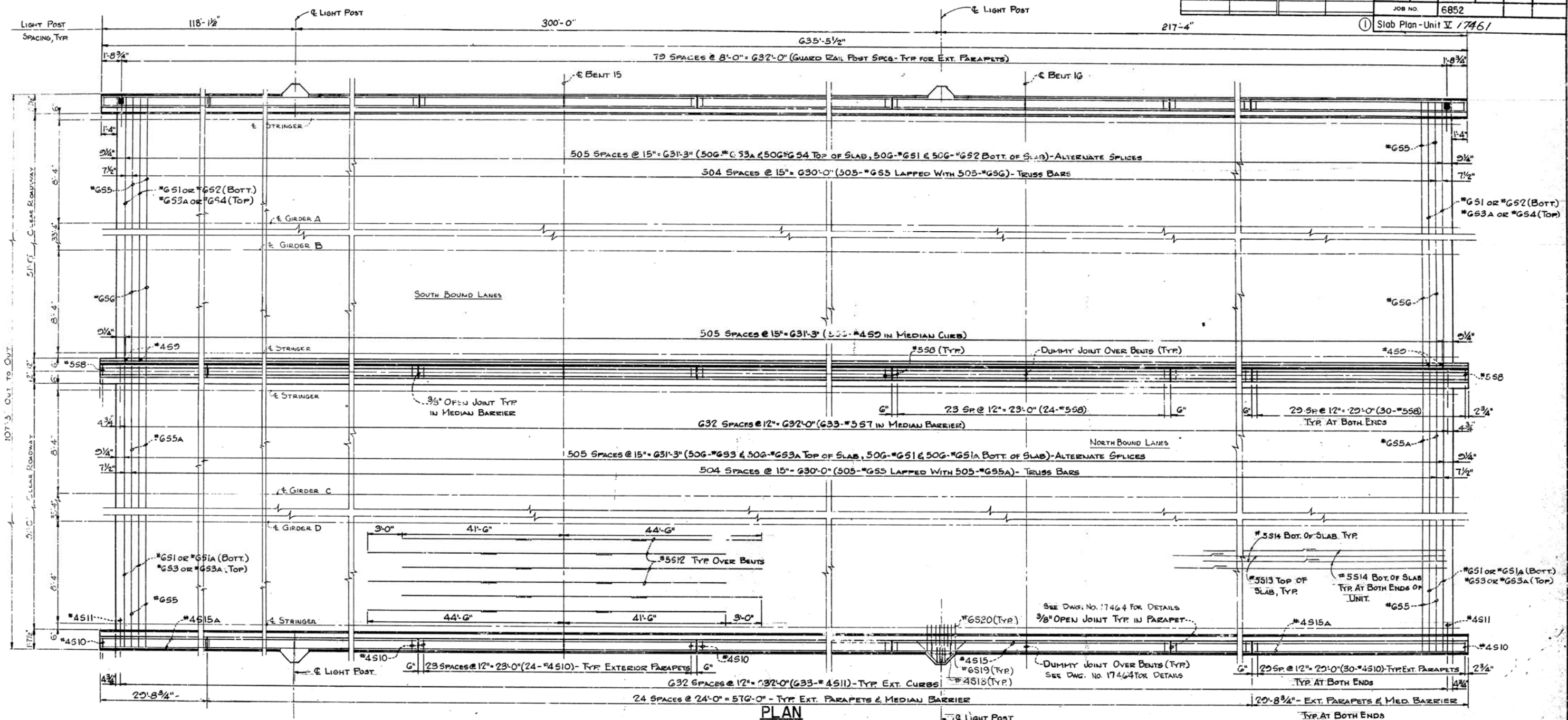
SLAB POURING DIAGRAM
Scale: None

- NOTES:**
1. FOR REINFORCING BAR LIST SEE DRAWING NO. 17457.
 2. FOR SLAB CONSTRUCTION JOINT DETAIL SEE DRAWING NO. 17464.
 3. FOR ADDITIONAL NOTES SEE DWG. NO. 17412.
 4. FOR TYP. SECT. THRU BRIDGE SEE DWG. NO. 17457.
 5. FOR GLARE SCREEN POST SPACING SEE DWG. NO. 17465.
 6. FOR DRAIN LOCATIONS SEE FRAMING PLAN - DWG. 17438.
 7. (TO BE CONTINUED)

SLAB PLAN - UNIT IV	
ARKANSAS RIVER BRIDGE	
PULASKI COUNTY	
INT. ROUTE 430 SEC. 2	
ARKANSAS STATE HIGHWAY COMMISSION	
LITTLE ROCK, ARK.	
DRAWN BY: JRS & DGG DATE: 10-15-70	SCALE: AS SHOWN
TRACED BY: DATE: 3-27-71	
CHECKED BY: K.S.Y. DATE: 3-27-71	
BRIDGE NO. 5320	DRAWING NO. 17460

BRIDGE ENGINEER

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	I-430-2	1901139	61	78
				JOB NO.		6852			



NOTES:

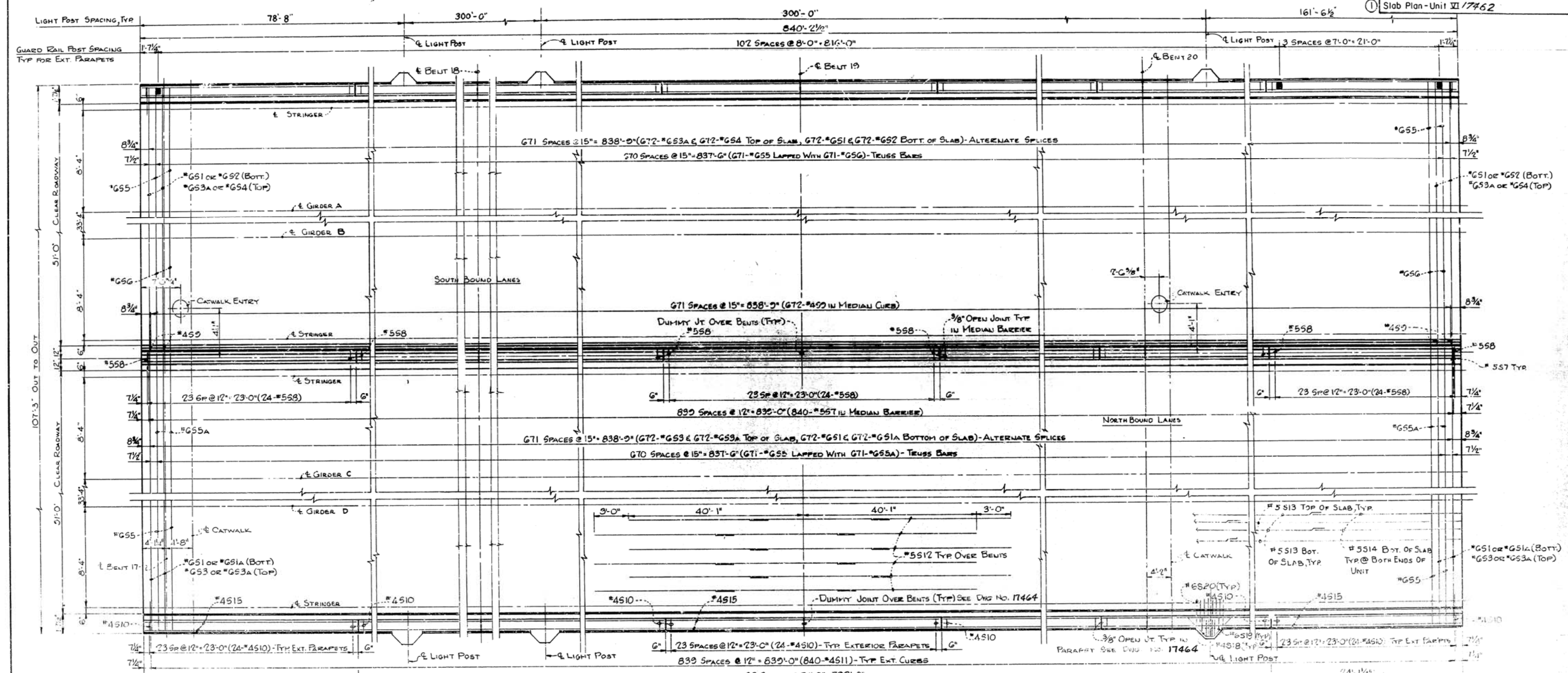
1. FOR DRAIN LOCATION SEE FRAMING PLAN DWG. NO. 17437.
2. FOR LIGHT POST SUPPORT DETAILS SEE DWG. NO. 17464.
3. FOR REINFORCING BAR LIST SEE DRAWING NO. 17452.
4. FOR SLAB CONSTRUCTION JOINT DETAIL SEE DRAWING NO. 17464.
5. FOR ADDITIONAL NOTES SEE DWG. NO. 17412.
6. FOR TYP. SECT. THRU BRIDGE SEE DWG. NO. 17457.
7. FOR GLASS SCREEN POST SPACING SEE DWG. NO. 17465.
8. FOR ADDITIONAL LONGITUDINAL BARS IN EXTERIOR CURBS 4 IN MEDIAN SEE DWG. NO. 17457.

SLAB PLAN-UNIT V
ARKANSAS RIVER BRIDGE
PULASKI COUNTY
INT. ROUTE 430 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: JES.GCS DATE: 6-3-70
TRACED BY: DATE: 4-28-71
CHECKED BY: K.S.V. DATE: 4-28-71

BRIDGE NO. 5320 DRAWING NO. 17461

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1430-2 (90) 139		62	78
				JOB NO. 532					

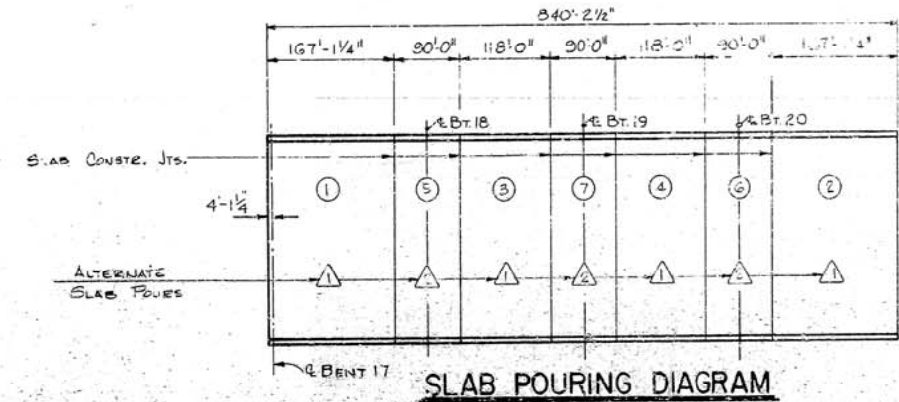


PLAN
Scale: None

POURING NOTE: SLAB IS TO BE POURED IN THE ORDER SHOWN OR IN ONE CONTINUOUS POUR FROM END TO END IN LESS THAN 10 HOURS. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND CAREFULLY CLEANED BEFORE ADJACENT SECTION IS POURED. AFTER THE FIRST SECTION IS POURED NOT LESS THAN 48 HOURS SHALL ELAPSE BEFORE THE SECOND SECTION IS POURED AND NOT LESS THAN 72 HOURS SHALL ELAPSE BETWEEN ADJACENT POURS.

A MINIMUM OF 72 HOURS SHALL ELAPSE BETWEEN COMPLETION OF THE SLAB POUR AND THE POURING OF THE CURB SECTION, OR MEDIAN BARRIER.

FINISHING NOTE: MOVEMENT OF THE FINISHING MACHINE ACROSS NEW CONCRETE SHALL BE PROHIBITED FOR 72 HOURS AFTER FINISHING THE POUR. PROTECTIVE PLANKING SHALL BE USED THEREAFTER AS REQUIRED BY THE ENGINEER. SEE SPECIAL PROVISION JOB 6552, REVISION OF SECTION 802- CONCRETE FOR STRUCTURES.



SLAB POURING DIAGRAM
Scale: None

- NOTE:**
1. FOR SLAB REINFORCING BAR SPACING SEE DWG. NO. 17465.
 2. FOR CURB LOCATION SEE BRIDGE PLAN DWG. NO. 17438.
 3. FOR TYP. SECTION THRU BRIDGE SEE DWG. NO. 17457.
 4. FOR REINFORCING BAR LIST SEE DRAWING NO. 17457.
 5. FOR SLAB CONSTRUCTION JOINT DETAIL SEE DRAWING 17464.
 6. FOR ADDITIONAL NOTES SEE DWG. NO. 17412.
 7. FOR LIGHT POST SUPPORT DETAILS SEE DWG. NO. 17464.
 8. FOR ADDITIONAL LONGITUDINAL BARS IN MEDIAN & CURBS SEE DWG. NO. 17457.
 9. FOR CATWALK DETAIL SEE DWG. NO. 17466-17467.

SLAB PLAN - UNIT VI

ARKANSAS RIVER BRIDGE

PULASKI COUNTY

INT. ROUTE 130 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION

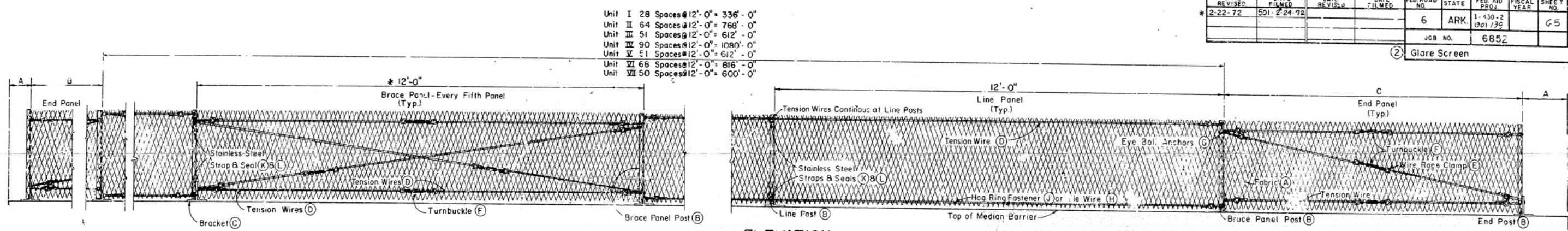
LITTLE ROCK, ARK.

DRAWN BY: J.R.E.C.S. DATE: 7-2-70	SCALE: AS SHOWN
CHECKED BY: K.S.Y. DATE: 4-27-71	
BRIDGE NO. 5320	DRAWING NO. 17462

203

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2-22-72	501-2-24-72			6	ARK.	1-430-2 (301) 139		65	78
				JOB NO.	6852				

(2) Glare Screen

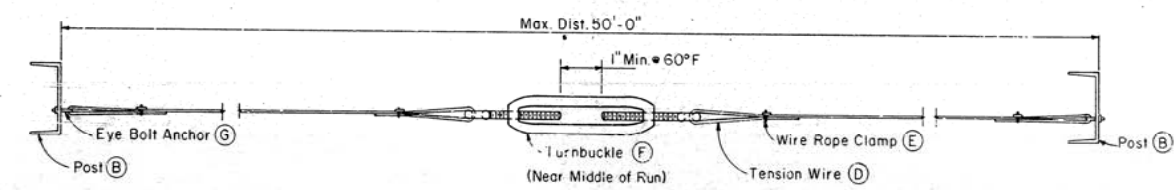


ELEVATION
Scale: 3/4" = 1'-0"

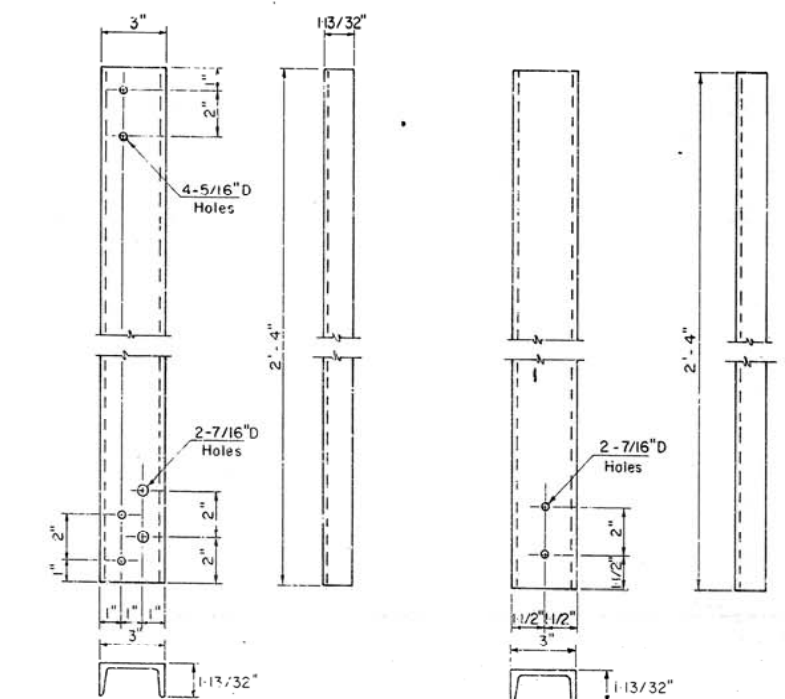
Unit	Unit I	Unit II	Unit III	Unit IV	Unit V	Unit VI	Unit VII
A	9 3/8"	10 7/8"	9"	9 1/4"	9 3/4"	10 1/4"	9 3/8"
B	10'-0"	10'-7"	11'-1"	7'-4"	10'-11"	10'-6"	8'-6"
C	10'-0"	12'-3"	11'-1"	9'-4"	10'-11"	12'-0"	10'-6"

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)	(K)	(L)
Fabric	Post	Bracket	Tension Wire	Wire Rope Clamp	Turnbuckle	Eye Bolt Anchor	Tie Wire	Hog-Ring Fastener	Stainless Steel Strapping	Stainless Steel Seal
Expanded Metal Mesh 2'-4" Wide by 12'-2" Long on Line and Brace Panels and 2'-4" Wide by 2' Longer Than End Panels with 0.25" Strand Width and 133" x 4.00" Center to Center of Bridges. Pre-painted Interstate Green. Alum. Alloy - 0.051" Thickness Gal. Steel - 18 Gage	2'-4" x 3" Channel with Holes Drilled or Punched as Detailed. Pre-painted Interstate Green. Alum. Alloy - 3C142 Gal. Steel - 3C4.1	3" Galvanized Steel - ST 6WF 13.5 with Holes Drilled or Punched as Detailed.	Aluminum - 0.192" Diameter Wire. Steel - 7 Ga. Coil Spring Wire.	Alum. Alloy - Zinc Coated Steel - Stainless Steel	1/4" x 4" - Alum. Alloy, Zinc Coated Steel or Stainless Steel	1/4" Dia. Alum. Alloy, Zinc Coated Steel or Stainless Steel W/ Tamper-proof Nut and 5/16" x 3/4" Washer	9 Ga. Steel Wire or 0.182" Dia. Aluminum Wire. Min 2'-0" C to C on Top and Bottom Tension Wires.	12 Ga. Steel Wire or 0.110" Dia. Aluminum Wire. Min 2'-0" C to C on Top and Bottom Tension Wires.	0.020" x 5/8" Coiled Strip Bright Finish, Type 430 (Grade 4 Cold Rolled)	0.020" x 1 1/4" Thread-on, Single Crimp, Type 430 (Grade 4 Cold Rolled)

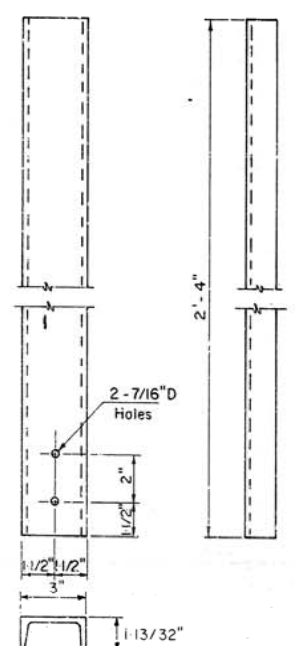
NOTE: Items D-J shall all be Steel or shall all be Aluminum.



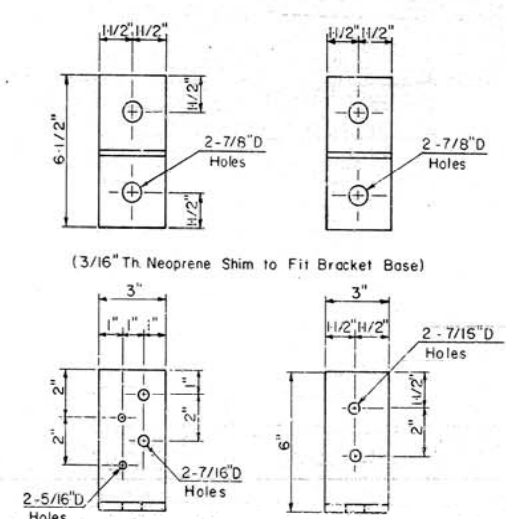
TENSION WIRE CONNECTION



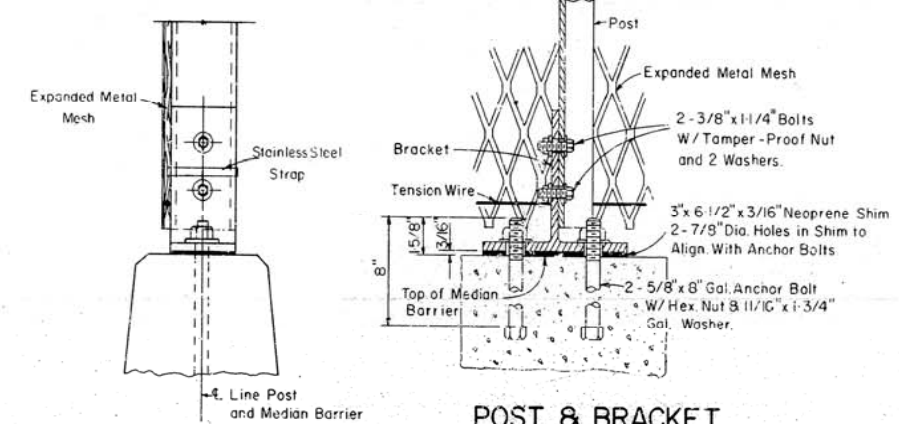
END & BRACE PANEL POST
Scale: 3" = 1'-0"



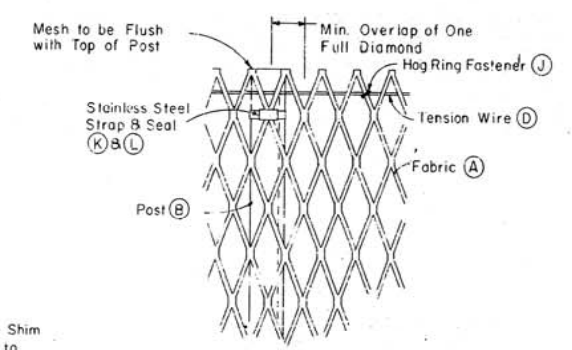
LINE POST



END & BRACE PANEL BRACKET



POST & BRACKET CONNECTION



DETAIL OF TOP OF POST
(Viewed from Mesh Side)
Scale: 3" = 1'-0"

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARKANSAS

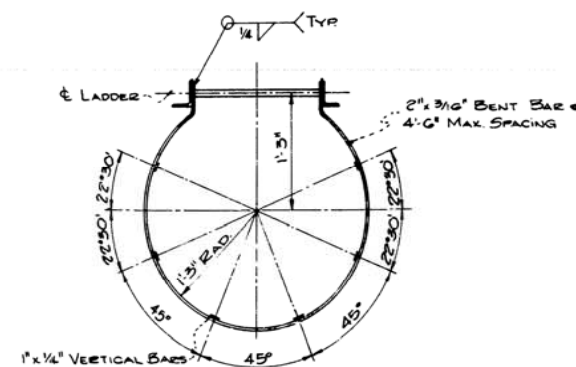
GLARE SCREEN

BRIGHTON ENGINEERING COMPANY
LITTLE ROCK, ARKANSAS FRANKFORT, KENTUCKY

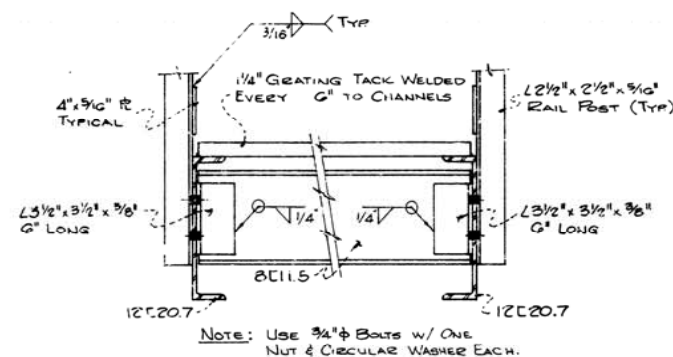
Drawn By: T.R. Date: 2/13/70 Approved By: Scale: As Shown
Traced By: Date: Bridge No. 5320 Drawing No. 17465
Checked By: J.B. Date: 3/18/70

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	1-430-2 (90)139		67	78
				JOB NO.		6852			

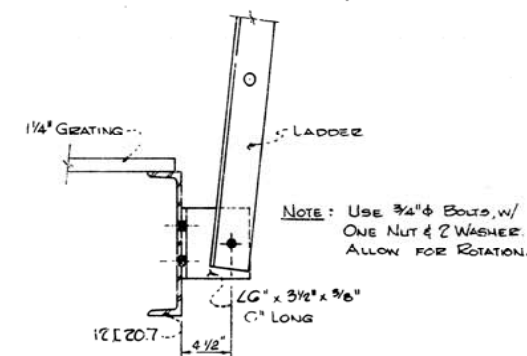
① Inspection Walkway/7467



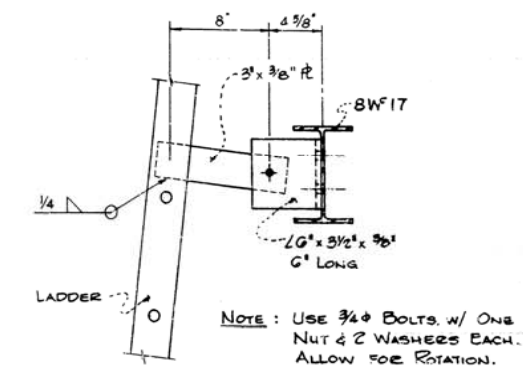
LADDER CAGE DETAIL
Scale 1" = 1'-0"



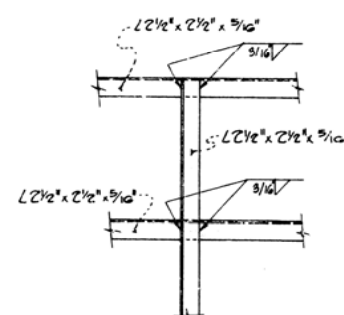
CATWALK DECK DETAIL
Scale 1" = 1 1/2'-0"



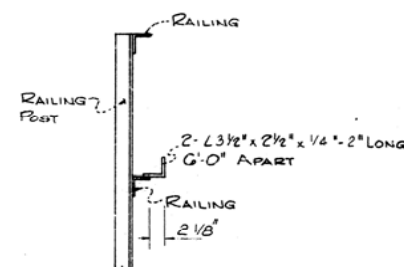
LADDER TO DECK CONNECTION
Scale 1 1/2" = 1'-0"



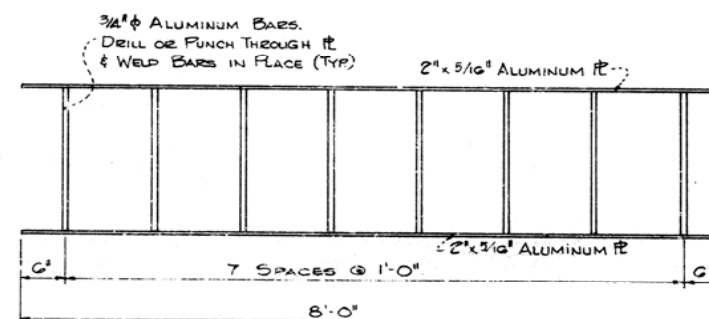
LADDER TO SUPPORT CONNECTION
Scale 1 1/2" = 1'-0"



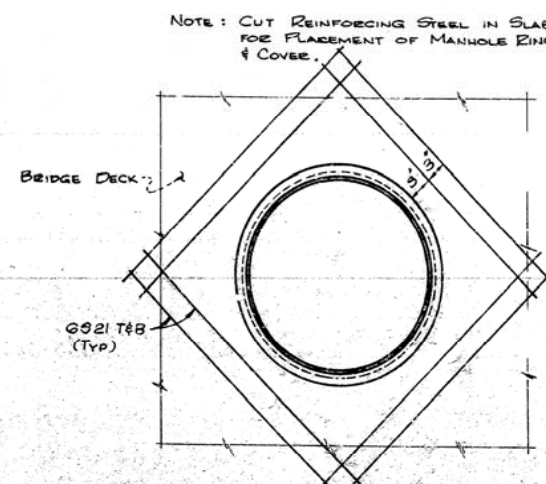
TYPICAL RAIL CONNECTION
Scale 1" = 1'-0"



PORTABLE LADDER HANGER
Scale 1" = 1'-0"

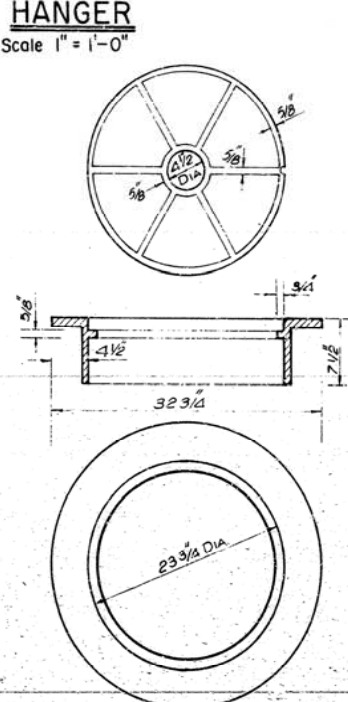


PORTABLE LADDER DETAIL
Scale 1" = 1'-0"
(6 Required)



CATWALK ENTRY DETAIL
Scale 1" = 1'-0"

NOTE: MANHOLE RING & COVER SHALL BE CONSIDERED SUBSIDIARY TO THE CONTRACT BID ITEM "CATWALK".



MANHOLES RINGS & COVERS
Scale 3/32" = 1'-0"

NOTE: WEIGHTS OF GRATES, FRAMES, RINGS AND COVERS ARE APPROXIMATES.
IRON CASTING SHALL CONFORM TO THE REQUIREMENT OF THE STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS ASTM DESIGNATION A9TM-48 CLASS 30A.

INSPECTION WALKWAY ARKANSAS RIVER BRIDGE PULASKI COUNTY INT. ROUTE 430 SEC. 2 ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.			
DRAWN BY: D.S.G. TRACED BY: D.E.M. CHECKED BY: D.E.M.	DATE: 5/71 DATE: 6/71 DATE: 6/71	SCALE: AS SHOWN	BRIDGE NO. 5320 DRAWING NO. 17467