

SUMMARY OF BRIDGE QUANTITIES
 JOB NO. 1393

BRIDGE TITLE	PILE NO.	CODE NO.	ITEM NO.	801	SP#802	SP#802	SP#802	803	SP#804	SP#804-6	SP#805-7 (ALT. #2)	SP#806	812	817	817	817	817
				COMMON EXCAVATION FOR STRUCTURES	CLASS P CONCRETE	CLASS S CONCRETE	SEAL CONCRETE	REINFORCING STEEL	PRECAST CONCRETE PILING (16' Oct.)	FORMWORK FOR DRIVING TEST PILES	STEEL PLATE GUARD RAILING (ALT. #1) ALUMINUM PLATE GUARD RAILING (ALT. #2)	STRUCTURAL STEEL IN BEAM SPANS (TYPE C)	BRIDGE NAME PLATES (TYPE C)	PIE-RAP	UNTREATED REMOVAL OF TIMBER EXISTING PILING STRUCTURES		
UNIT OF BRIDGE	CU. YD.	CU. YD.	CU. YD.	CU. YD.	LB.	LIN. FT.	COMP. ITEM	LIN. FT.	LB.	PLATE	CU. YD.	LIN. FT.	COMP. ITEM				
END BENTS 1-2	50		13.84		2,360	288								270			
INT SPANS 1-2			161.73		26,316	3,880											
PIER #1	228	33.94	12.41	28.20	5,560												599
PIER #2	360	80.44	9.96	66.35	6,980												830
PIER #3	216	80.44	9.96	66.35	6,980												830
PIER #4	408	68.78	12.41	49.80	6,440												797
INT SPANS 2-20, 28-31			86.54		16,114						122						
INT SPANS 23-27			1,069.50		200,750						1,500						
INT SPANS 28-31			85.48		16,360						120	344					
INT SPANS 24-26			163.87		38,100						480	221,946					
TOTAL JOB NO. 1393	1262	283.60	1,625.20	210.70	325,860	4,168	100%	2,222	222,690	1	270	3,056	100%				

Revised Excavation & Seal Concrete quantities 7-15-63, F.M.H.

SUMMARY OF BRIDGE QUANTITIES
 LITTLE MISSOURI RIVER
 BRIDGE & APPROACHES
 CLARK AND NEVADA COUNTY
 ROUTE 53 SEC. 1 & 2
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

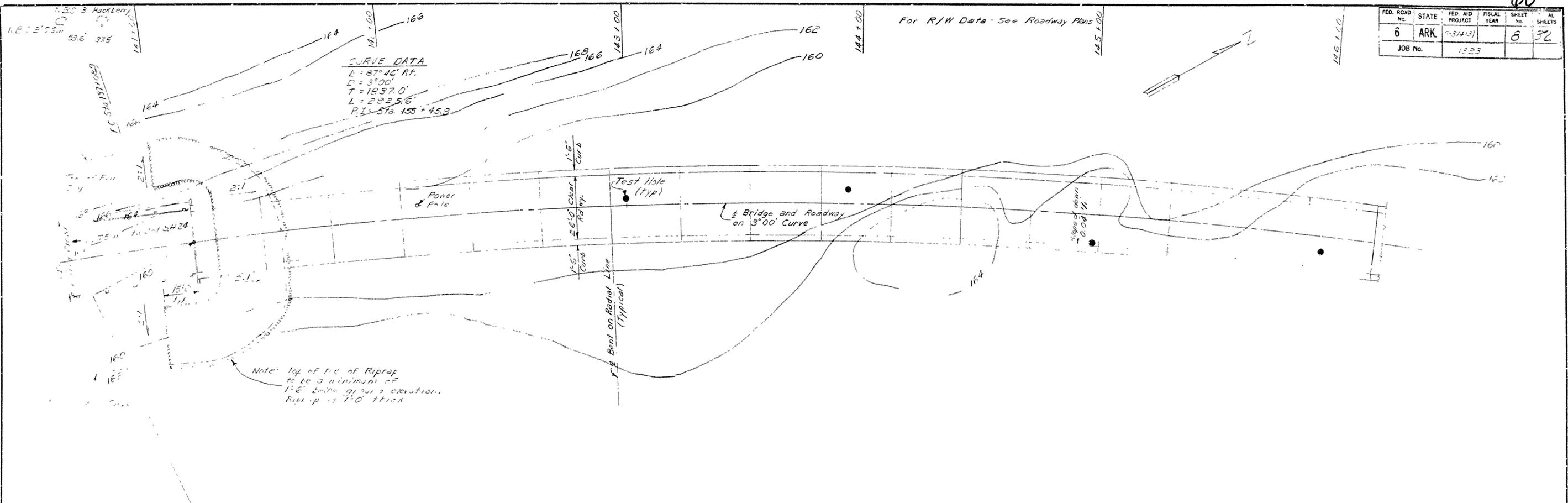
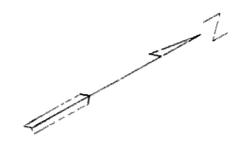
DRAWN BY: FE DATE: 6-9-63
 TRACED BY: _____ DATE: _____
 CHECKED BY: W.E.W. DATE: 8-5-63
 BRIDGE NO. 3476 DRAWING NO. 1-116

W.E. Wilson
 BRIDGE ENGINEER

FED. ROAD No.	STATE	FED. AID PROJECT	FISCAL YEAR	SHEET No.	TOTAL SHEETS
6	ARK.	5-314(3)		8	32
JOB No.		1333			

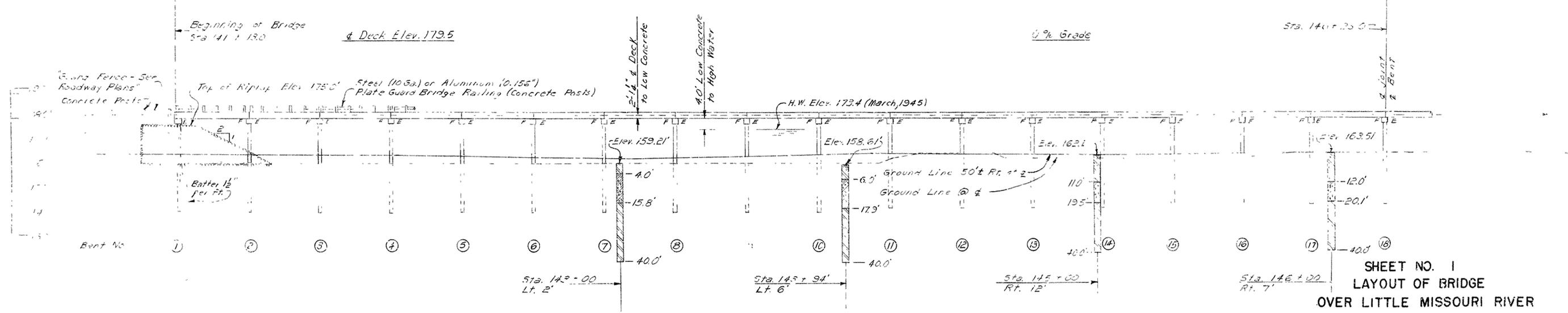
CURVE DATA
 $\Delta = 87^{\circ}46' RT.$
 $D = 3^{\circ}00'$
 $T = 1837.0'$
 $L = 2923.6'$
 $PI = Sta. 155 + 45.3$

For R/W Data - See Roadway Plans



Note: Top of bed of Riprap to be a minimum of 1'-6" below ground elevation. Riprap is 7'-0" thick.

Total Length of Bridge = 1110'-2"
 17 - 30'-0" R.C. Slab Spans (with voids) = 510'-0"



ELEVATION
 D.A. = 14.14 Sp. Mi. C=1.0

Note: For Pile Data & General Notes see Sheet No 2 Draw. No. 11417A

SOIL LEGEND

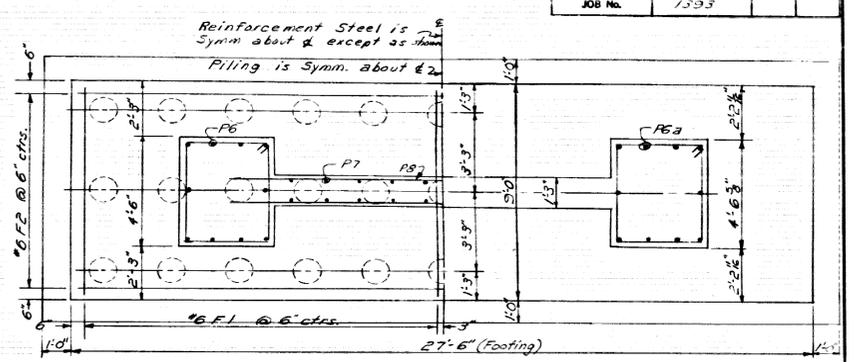
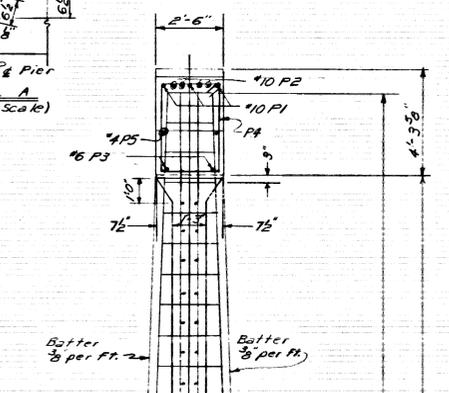
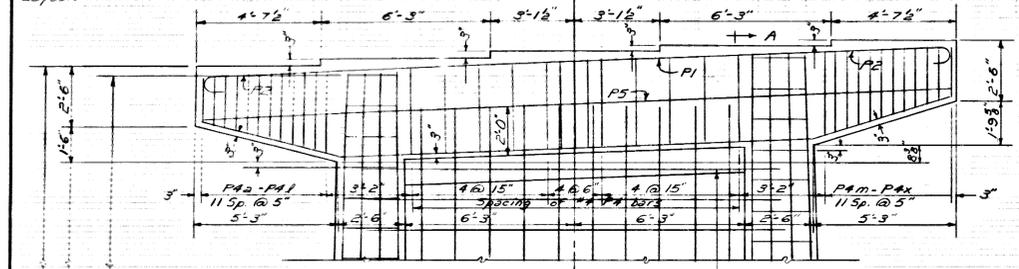
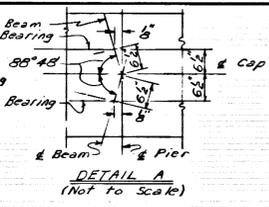
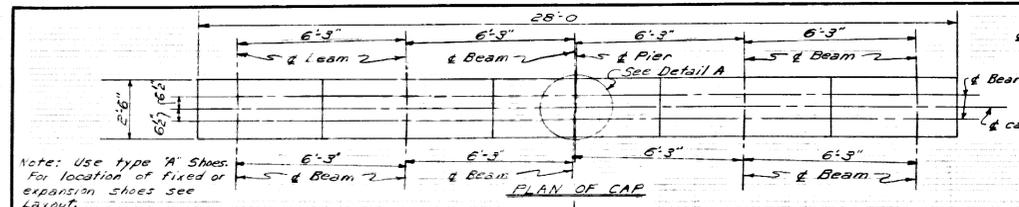
- Med Firm Brown Sandy Clay
- Firm Brown Sandy Clay & Gravel
- Very Firm Blue Clay-Moist

SHEET NO. 1
LAYOUT OF BRIDGE
OVER LITTLE MISSOURI RIVER
LITTLE MISSOURI RIVER
BRIDGE & APPROACHES
CLARK AND NEVADA COUNTY
ROUTE 53 SEC. 182
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

DRAWN BY: JAS DATE: 5-17-58
 TRACED BY: EE DATE: 5-20-63 SCALE: 1"=20'-0"
 CHECKED BY: EE DATE: 5-20-63
BRIDGE NO. 3476 DRAWING NO. 11417

L. P. Wilson
 BRIDGE ENGINEER

FED. ROAD No.	STATE	FED. AID PROJECT	FISCAL YEAR	SHEET No.	TOTAL SHEETS
6	ARK.	5-31(13)	1933	11	32
JOB No.					



BAR LIST FOR BENT 2 OR BENT 3

Mark	Size	No. Reqd Pier 2 or 3	Length	A'	B'	Pn Dia.	Bending Diagram
P1	#10	3	30'-3"	27'-6"	11"	10"	
P2	#10	8	18'-11"	11'-8 1/2"	11"	10"	
P3	#6	2	28'-7"	-	-	-	
P4	#4	13	16'-2"	2'-1 1/2"	3'-8"	1 1/2"	
P4a-J	#4	1 each	Varies 9'-11" to 11'-11"	2'-1 1/2"	Var. 2'-3 1/2" to 3'-6 1/2"	1 1/2"	
P4a-X	#4	1 each	Varies 9'-2" to 11'-11"	2'-1 1/2"	Var. 2'-3 1/2" to 3'-6 1/2"	1 1/2"	
P5	#4	2	27'-7"	-	-	5/8"	
P6	#9	10	36'-5"	-	-	5/8"	
P7	#4	20	34'-4"	-	-	5/8"	
P8	#4	26	15'-10"	-	-	5/8"	
P9	#2	20	2'-4"	-	-	5/8"	
P10-P38	#4	2 each	Varies 8'-1" to 14'-7"	Var. 11" to 1'-0"	Var. 1'-0" to 1'-0"	1 1/2"	
P6a	#9	10	36'-5"	-	-	5/8"	
F1	#6	34	9'-11"	8'-6"	5"	4 1/2"	
F2	#6	17	28'-5"	27'-0"	6"	4 1/2"	
F3	#3	20	7'-9"	6'-6"	10"	9"	

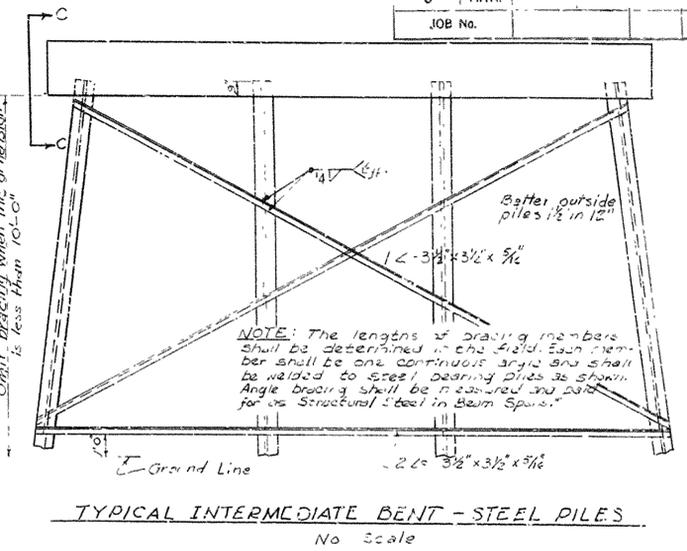
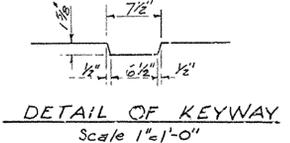
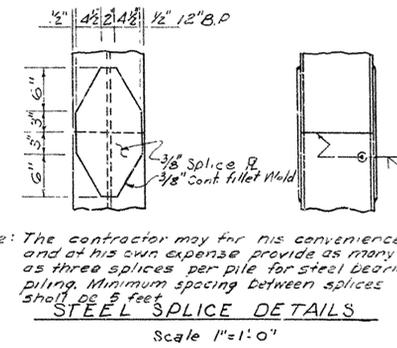
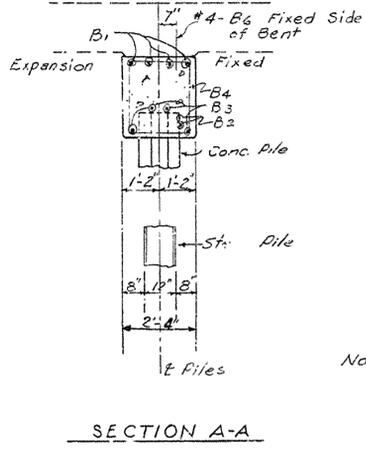
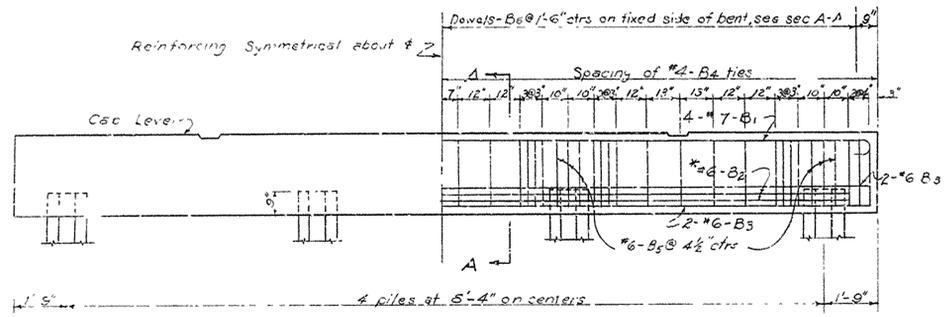
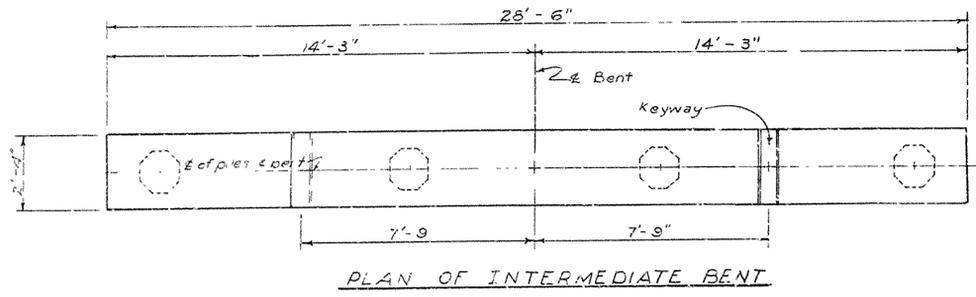
NOTES: Concrete in Cap to be Class 5
 Concrete in Columns, Web Wall and Footings to be Class "A"
 All corners to be chamfered 1/4".
 For General Notes see Drawing No. 11417A
 All Piling to be 12" Untreated Timber.
 Max. High Water Elevation for 6'-0" Seal Concrete is 159.56

Revised Seal dimensions, 7-15-63, FMH, JAS

DETAILS OF PIERS NO. 2 & 3
 BRIDGE OVER LITTLE MISSOURI RIVER
 LITTLE MISSOURI RIVER
 BRIDGES & APPROACHES
 CLARK AND NEVADA COUNTY
 ROUTE 53 SEC. 18 2
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

DRAWN BY: JAS DATE: 5-25-63
 TRACED BY: JAS DATE: 6-3-63
 CHECKED BY: JAS DATE: 6-3-63
 SCALE: 3/8" = 1'-0" or as noted
 BRIDGE NO. 3476 DRAWING NO. 11419

L.P. Carlson
 BRIDGE ENGINEER



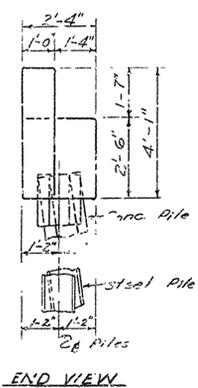
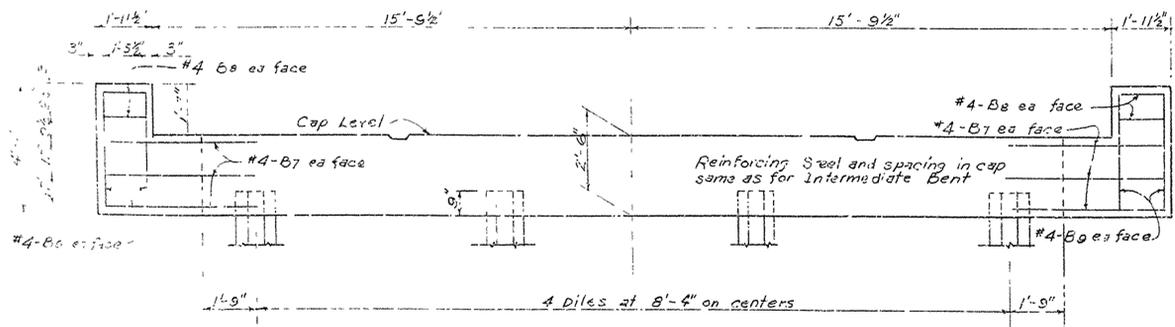
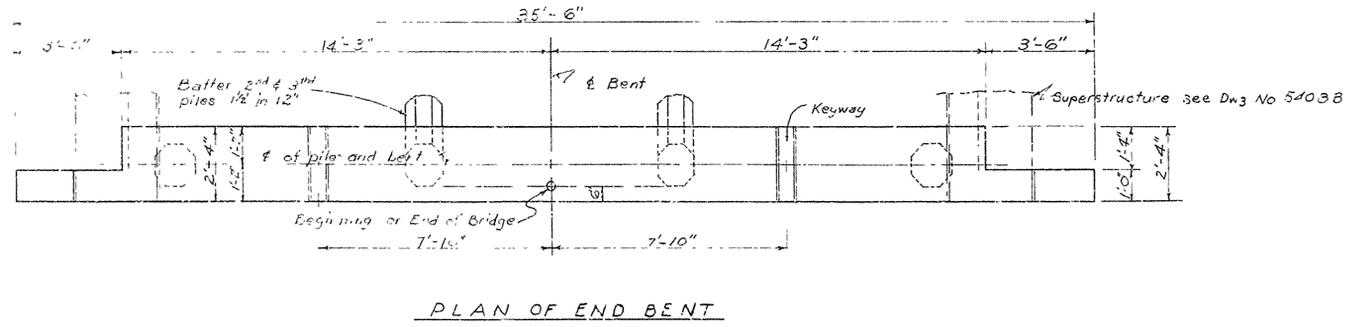
GENERAL NOTES

All concrete to be Class S and shall be poured in the dry. All exposed corners to be chamfered 1/4" unless otherwise noted. Reinforcing steel to be deformed bars of intermediate or hard grade. Shop lists and bending diagrams are to be submitted for approval before construction is begun. All piling shall be driven to a minimum capacity of 40 tons per pile. Piling shall be 12 30 53 steel bearing piles or 16" octagonal precast concrete piles as shown on the layout. Volume occupied by embedded pile heads will not be included in the bay quantities of concrete caps. For details of standard 30'-0" R.C. Slab spans see Drawing No. 5408B. SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, edition of 1959.

BAR LIST PER BENT

MARK	SIZE	NO. PER BENT		LENGTH	BENDING DIAGRAM
		END	INT.		
B1	#7	4	4	29'-10"	[Bending Diagram for B1, B2]
B2	#6	4	4	28'-10"	
B3	#6	4	4	28'-2"	[Bending Diagram for B3, B4]
B4	#4	42	42	8'-11"	
B5	#5	12	12	6'-3"	[Bending Diagram for B5, B6]
B6	#4	12	12	6'-3"	
B7	#4	12	-	5'-5"	[Bending Diagram for B7, B8]
B8	#4	8	-	1'-8"	
B9	#4	8	-	3'-9"	[Bending Diagram for B9]

Dimensions are to centers of bars



Revised: General Notes & Bracing Member, Vol. C.E.V. 4-17-61 C.R.B./P. Revised pile splice note 2-23-62 JDE
* Revised Bar B2 R.W.M. 1-18-65

DETAILS OF STANDARD 4 PILE BENTS FOR STD. 30'-0" R.C. SLAB SPANS (WITH 26'-0" CLEAR ROADWAY 2 CURBS 1'-6")

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

BRIDGE NO. DRAWING NO. 5408F

BRIDGE DESIGN ENGINEER

