

GENERAL NOTES

bench Mark - Nail in side of tower Pole 33' Pl. Sta. 427+00. Elevation 155.91.

For Details of Substructure see Drawing No. 344A.

For Details of Superstructure see Drawing No. 342A.

All concrete removed from the existing bridge shall be placed carefully by hand methods along the slopes at bridge ends as directed by the Engineer.

All piling shall be 15" octagonal precast concrete piles driven to a minimum bearing of 15 tons per pile. Lengths of piling shown are for estimating purposes only. Actual lengths are to be determined in the field. Drive one 15' test pile in bent No. 2. All piling shall be driven to a minimum penetration of 20 feet.

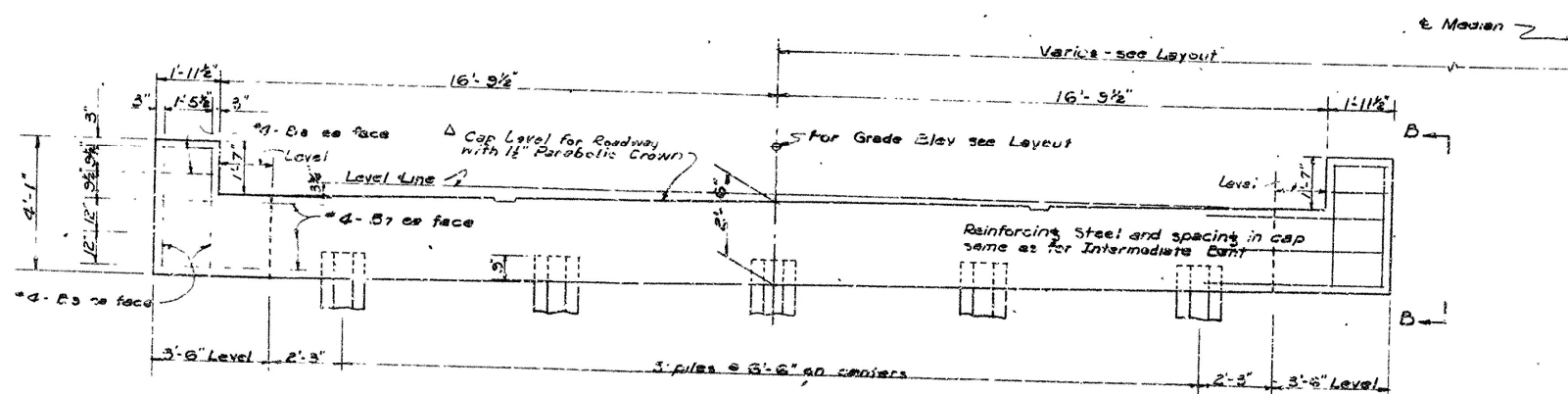
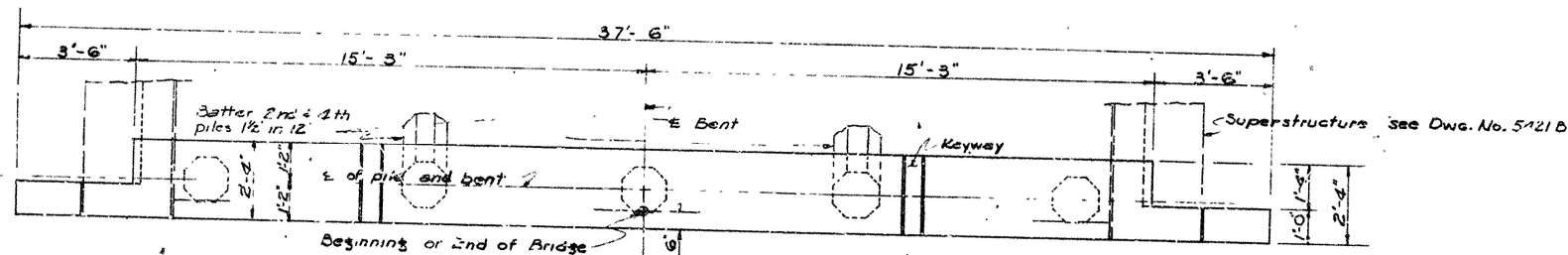
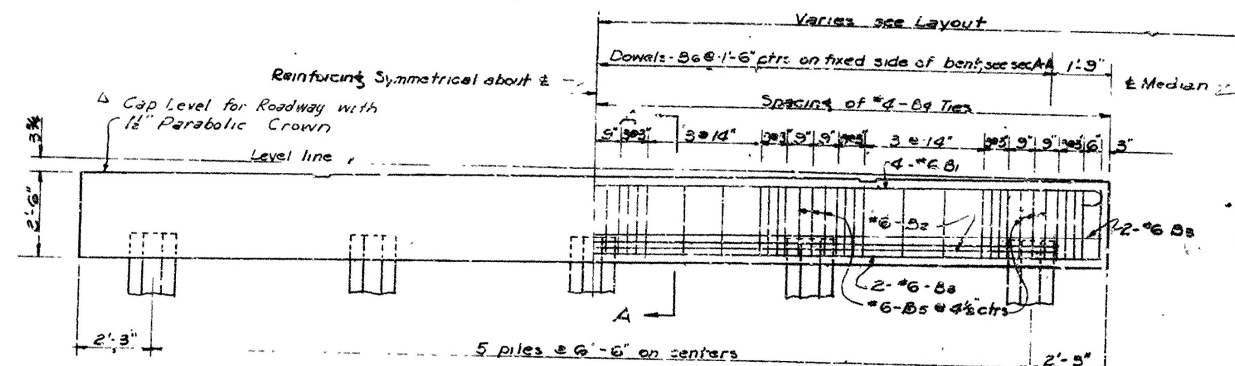
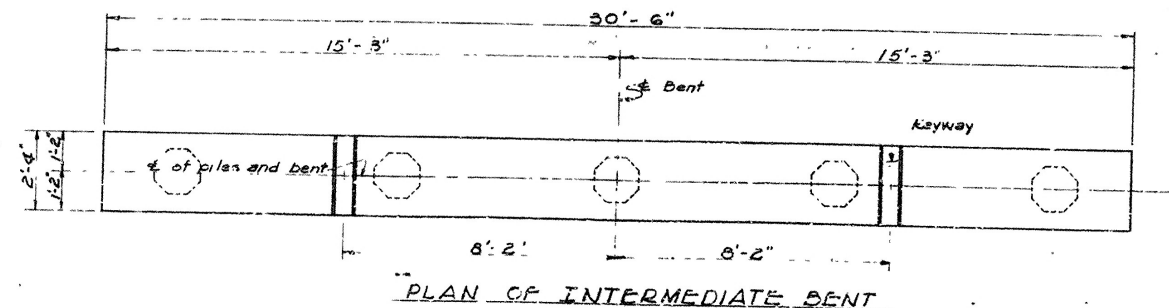
Loading: H20-S16 AASHTO 1957

Stresses: Class S Concrete (n=10) 4,200 psi
Reinforcing Steel 60,000 psi

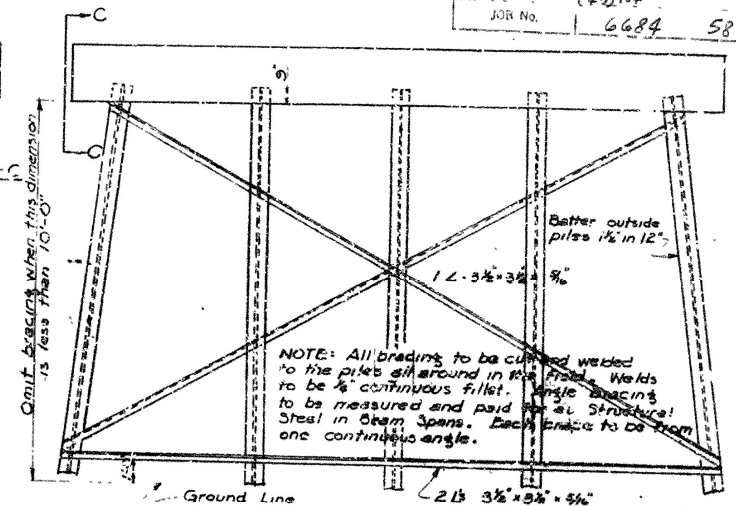
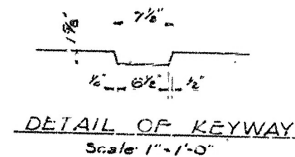
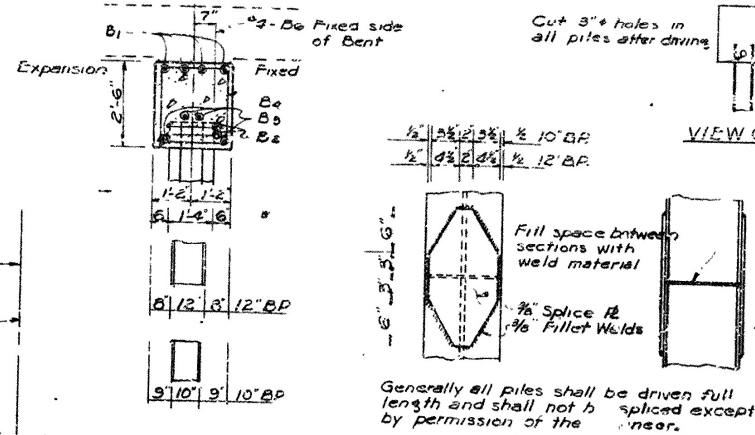
SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959.

LAYOUT OF BRIDGE
OVER NORTH FORK FOUNTAIN CREEK
HAMBURG - DREW COUNTY LINE
ASHLEY COUNTY
ROUTE 81 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: C.F.L. DATE: 8-4-51
CHECKED BY: R.L.S. DATE: 8-14-51
BRIDGE NO. 3553 DRAWING NO. 11599



NOTE: Reverse crown when the median is on the left.



GENERAL NOTES

All concrete to be Class S and shall be poured in the dry. All exposed corners to be chamfered 3/4" unless otherwise noted. Reinforcing steel to be deformed bars of intermediate grade unless otherwise noted by Special Provisions. Shop lists and bending diagrams are to be submitted for approval before fabrication is begun. All piling shall be driven to a minimum capacity of 55 tons per pile. Piling shall be either 10" H&B, 12" H&B, 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 pay quantities of concrete caps. For Details of Standard 30'-0" R.C. Slab Spans see Drawing No. 5421B. SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959.

BAR LIST PER BENT

MARK	SIZE	NO. PER BENT	END	INT	LENGTH	BENDING DIAGRAM
B1	#6	4	4	4	3'-6"	B1 #6 4x4 3'-6"
B2	#6	4	4	4	3'-6"	
B3	#6	4	4	4	30'-1"	B3 #6 4x4 30'-1"
B4	#6	50	50	50	6'-11"	
B5	#6	15	15	15	6'-5"	B5 #6 15x15 6'-5"
B6	#6	4	4	4	2'-6"	
B7	#6	12	12	12	5'-0"	B7 #6 12x12 5'-0"
B8	#6	8	8	8	1'-8"	
B9	#6	8	8	8	3'-9"	B9 #6 8x8 3'-9"
B10	#6	8	8	8	3'-9"	

Dimensions are to centers of bars

DETAILS OF STANDARD PILE BENTS FOR STD. 30'-0" R.C. SLAB SPANS

28'-0" CLEAR ROADWAY 2 CURBS @ 1'-6"

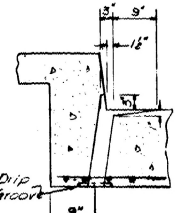
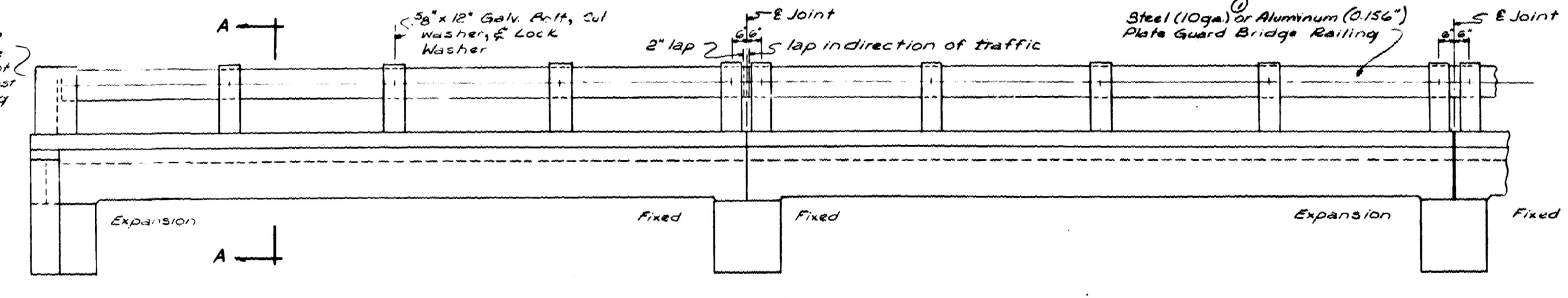
ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: *[Signature]* DATE: 7-16-57
TRACED BY: *[Signature]* DATE: 8-1-57
CHECKED BY: *[Signature]* DATE: 8-1-57
BRIDGE NO. *[Blank]* DRAWING NO. 5421A
FILE 23 DWS NO. 10023A

FED. ROAD No.	STATE	FED. PROJECT	YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.				
JOB NO.					

Place Type C Bridge Name Plate on Right Hand End just at Beginning of Bridge

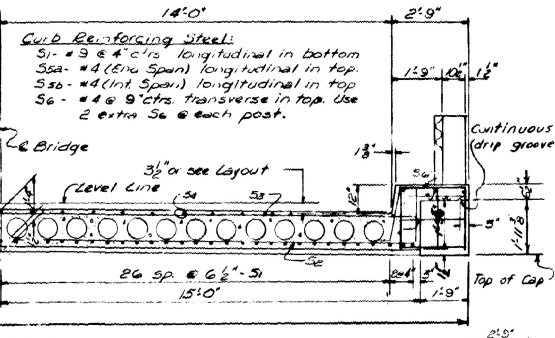
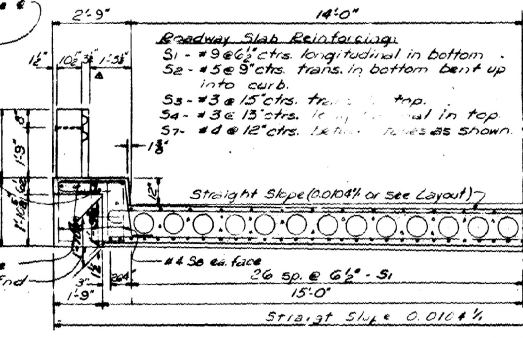
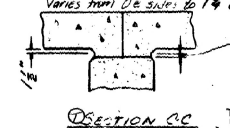
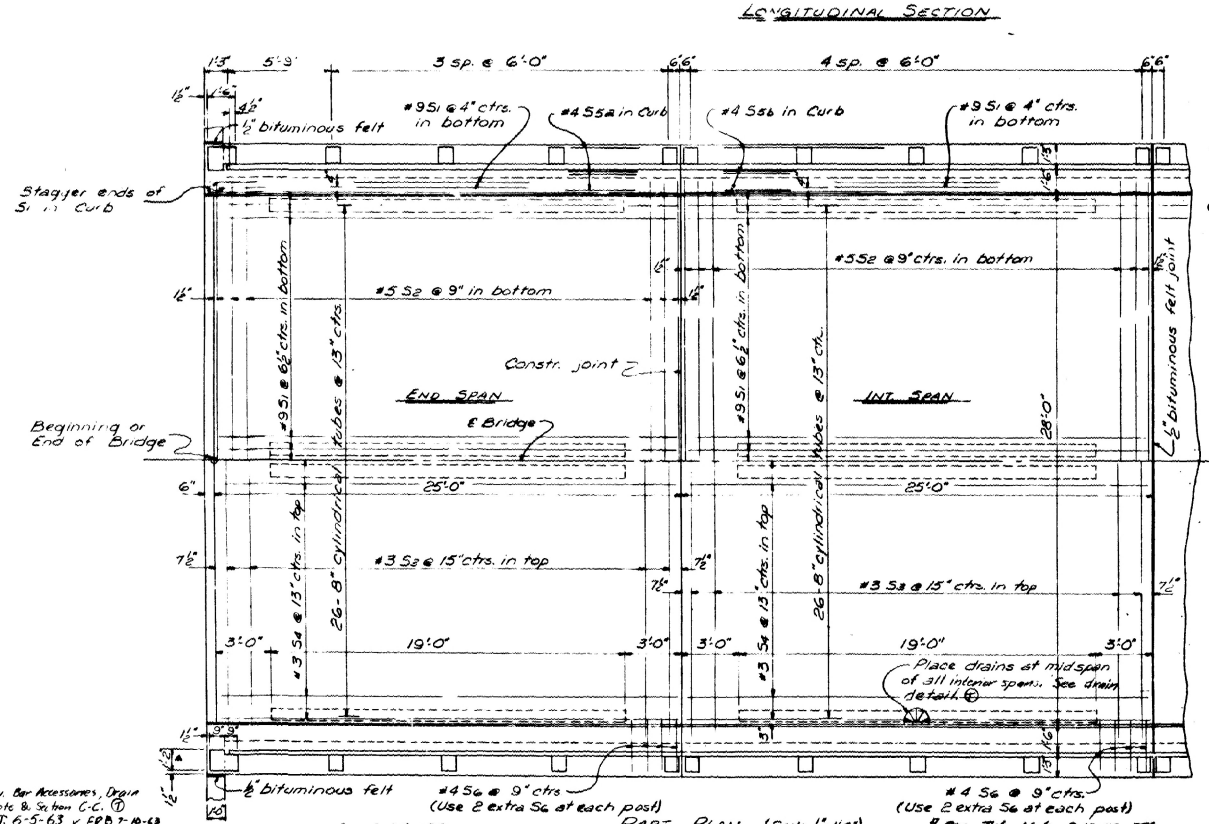
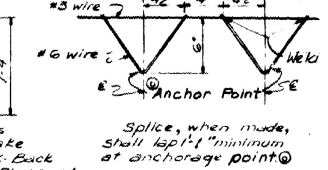
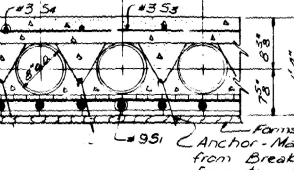
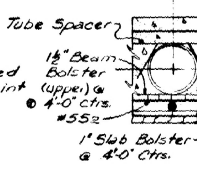
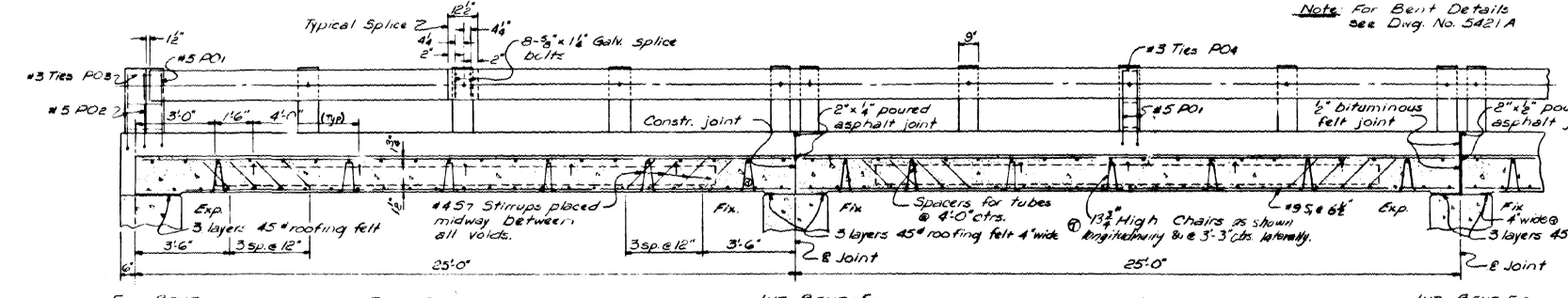


Opening to taper from 3\"/>

BAR LIST PER SPAN

MC	Size	No. Reqd	Length	Bending Diagram
S1	9	57	24.7'	Str
S2	5	34	33.7'	
S3	3	20	30.7'	
S4	3	27	24.7'	Str
S5a	4	8	25.1'	Str
S5b	4	8	24.7'	Str
S6	4	88	7.6'	
S7	4	200	2.9'	
S8	4	12	2.2'	Str
S9	4	12	2.5'	Str
PO1	5	18	3.10'	
PO2	5	4	6.1'	
PO3	3	6	4.7'	
PO4	3	24	2.6'	

Dimensions are to ctrs. of bars
* Non-Pay Items.



GENERAL NOTES

All concrete to be Class 3. All exposed corners to be chamfered 3/4\"/>

Reinforcing steel to be deformed bars of intermediate or hard grade. Shop lists and bending diagrams must be submitted and approved before fabrication is begun.

All cylindrical tubes used to form voids shall be of moisture protected, laminated type construction, minimum thickness 0.200, and shall be furnished complete with end closures.

All reinforcing steel and fiber tubes shall be accurately located in the forms and firmly held in place by means of steel wire supports and spacers for tubes of a sufficient size and number to prevent displacement during the course of construction, but in no case of lesser design than that shown.

Wire supports for reinforcing bars will not be paid for directly, but will be considered subsidiary to the item "Reinforcing Steel".

Tubes for forming voids and wire supports and spacers for tubes will not be paid for directly, but will be considered subsidiary to the item "Class 3 Concrete".

Shop lists and diagrams of wire supports and spacers for tubes shall be submitted for approval before fabrication is begun.

Roofing felt, bituminous felt, and poured asphalt joints shall be measured and paid for as Class 3 Concrete.

Steel or Aluminum Plate Guard shall be of the type shown or an equivalent rigid type as approved by the Engineer. The rail, including all concrete posts and fastenings shall be paid for at the unit price bid per linear foot for "Steel or Aluminum Plate Guard Bridge Railing".

SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1969.

DESIGN SPECIFICATIONS: AASHO 1961

Design Live Loading: HS20 & Special Interstate Loading of two 24,000 lb axles 4' on ctrs.

Load Distribution to Slab: Dead Load 216 lb/ft; Live Load - 0.184 wheel/ft. of width plus 30% impact.

Unit Stresses: Class 3 Concrete (f_c) 1,200 psi
Reinforcing Steel 20,000 psi

Revised End Post 11-2-61 RWM
Revised Drain 11-2-61 RWM

DETAILS OF STANDARD 25'-0\"/>

28'-0\"/>

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.
DRAWN BY: GSK DATE: 9-18-61
TRACED BY: DATE:
CHECKED BY: FMH DATE: 9-16-61

BRIDGE NO. DRAWING NO. 5423