

BAR LIST -- EACH SPAN

MARK	No.	Reo'd	END	INT.	LENGTH	PIN DIA.	BENDING DIAGRAMS
S401	21	21	34"-8"	STR.			
S402	104	104	22'-5"	STR.			
S403	16	21	11'-4"	STR.			
S404	2		11'-0"	STR.			
S405	2		11'-10"	STR.			
S406	44	48	7'-9"	2"			
S407	44	48	7'-9"	2"			
S408	8		1'-0"	STR.			
S409	54	54	6'-4"	2"			
S410	54	54	3'-2"	2"			
S501	25	25	44'-5"	3/4"			
S502	24	24	5'-1"	STR.			
S503	20	32	1'-4"	STR.			
S504	2	12	5'-8"	4"			
S505	8		12'-0"	STR.			
S506	4		8'-9"	3/4"			
S507	6		4'-9"	3/4"			
S508	2		11'-0"	STR.			
S601	60	68	34'-8"	STR.			
S602	8		35'-2"	STR.			

DIMENSIONS ARE OUT TO OUT OF BARS.

GENERAL NOTES

ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

BAR SUPPORTS FOR REINFORCING BARS SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE ITEM "REINFORCING STEEL."

ROOFING FELT, BITUMINOUS FELT, PREFORMED JOINT, AND SYNTHETIC PLYOMER SHALL BE MEASURED AND PAID FOR AS CLASS 5 (A) CONCRETE.

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

DESIGN SPECIFICATIONS: ASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1977 AND INTERIMS.

LIVE LOAD: H20
METHOD OF DESIGN: LOAD FACTOR
LOAD DISTRIBUTION TO SLAB: DEAD LOAD: 286 PSF
LIVE LOAD: 0.166 WHEELS/FT. OF WIDTH PLUS 30 IMPACT
CONCRETE: ALL CONCRETE SHALL BE CLASS (A)E WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH $f_c = 3000$ PSI.
REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR A617, GRADE 60 (YIELD STRENGTH = 60,000 PSI).

△ Revised 3406 (Longitudinal Section at Curb) 8/22/80. L.M.

DETAILS OF STANDARD
35'-0" R.C. SLAB SPANS
45° RT. FWD. SKEW - 28' CL. RDWY.
CONCRETE PARAPET RAIL

ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

ALTERED BY: L.M DATE: 2-4-80

CHECKED BY: GVA DATE: 2-7-80 SCALE: As Noted

DESIGNED BY: DATE:

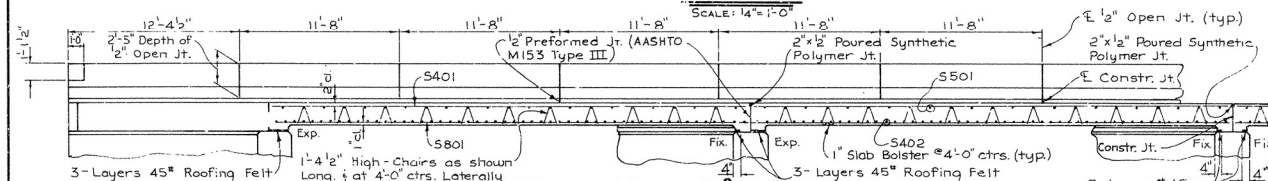
BRIDGE NO. 5870 DRAWING NO. 23530

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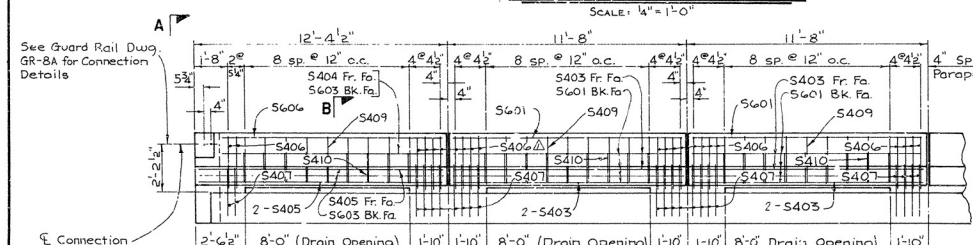
The technical drawing consists of two parts: a Top View (left) and an End View (right).

- Top View:** Shows the plan view of the bridge deck. It includes labels for reinforcement bars S501, S502, and S602. Key dimensions include a total length of 35'-0" and various bar spacings such as "Typ. Spacing of S502 + 1' 2" 18" 4'-6" 5 @ 18" 4'-6" 5 @ 18" 4'-6" 18" 9". A note specifies "S602 Bars (All Span)".
- End View:** Shows the cross-section of the bridge deck. It details the vertical arrangement of reinforcement bars S501, S502, and S602. Dimensions include a total width of 35'-0" and specific bar spacings like "S501-22 sp @ 18" o.c. in Top" and "S402-51 sp @ 8" o.c. in Bott. (Lapped & Bridge)".

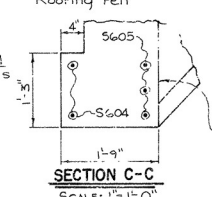
HALF - PLAN



LONGITUDINAL SECTION AT C BRIDGE



LONGITUDINAL SECTION AT CURE



SECTION C-C

QUANTITY	END SPAN	INT. SPAN
CONCRETE	72.61 CU.YD.	71.66 CU.YD.
REINFORCING STEEL	11308 LBS	11226 LBS
STRUCTURAL STEEL	322 LBS	322 LBS

* NOT PAID FOR DIRECTLY, SUBSIDIARY
TO THE ITEM "CLASS S OR S(AE) CONCRETE."



PLAN

- ### GENERAL NOTES

BENCH MARK: SPIKE IN SIDE OF P.P. 30' LT. OF CENTERLINE AT STA. 103+25.
ELEV. 207.40.

ALL CONCRETE SHALL BE POURED IN THE DRY

ALL PILING SHALL BE 16" OCTAGONAL OR 16" SQUARE PRECAST CONCRETE DRIVEN WITH AN APPROVED AIR, STEAM, OR DIESEL HAMMER TO A BEARING CAPACITY OF 44 TONS AND TO A MINIMUM PENETRATION OF 20' BELOW NATURAL GROUND. PILE SHAPES SHALL NOT BE MIXED ON ANY BRIDGE.

LENGTHS OF PILING SHOWN ARE ASSUMED FOR ESTIMATING QUANTITIES ONLY. ACTUAL LENGTHS TO BE DETERMINED IN THE FIELD. DRIVE ONE 42 FT. TEST PILE IN BENTS 2 & 4. PILES IN END BENTS TO BE DRIVEN AFTER EMBANKMENT TO BOTTOM OF CAP IS IN PLACE.

FOR DETAILS OF END BENTS, SEE DWG. NO. 23529

FOR DETAILS OF INTERMEDIATE BENTS, SEE DWG. NO.
FOR DETAILS OF PRECAST CONCRETE PILING, SEE DWG.

FOR DETAILS OF R.C. SLAB SPANS, SEE DWG. NO. 25530

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

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1971 EDITION AND INTERIM SPECIFICATIONS.

LIVE LOADING: H20

METHOD OF DESIGN: LOAD FACTOR

REMOVE THE EXISTING 100 FT. BRIDGE AT STA. 184+91. THE BRIDGE CONSISTS OF A
TIMBER DECK ON TIMBER STRINGERS SUPPORTED BY TIMBER PILES AND FILLING. SEE
SECTION 205 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION FROM THE EXISTING
BRIDGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONSTRUCT A NEW, 100 FT.,
TEMPORARY BRIDGE APPROXIMATELY 40 FT. LT. OF STA. 184+00 TO MINIMUM
DECK ELEVATION OF 207.5'. THE TEMPORARY BRIDGE SHALL HAVE A MINIMUM ROADWAY
OF 20 FT. AND A MINIMUM LIVE LOAD DESIGN CAPACITY OF 100 KIPS TRUCK. SEE
SECTION 603 OF THE STANDARD SPECIFICATIONS.

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LAYOUT OF
BRIDGE OVER BAYOU METO SLOUGH
SEATON-CULLER
LONOKE COUNTY

ROUTE 381 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: E.R.W. DATE: 11-27-79
CHECKED BY: G.A. DATE: 2-4-80 SCALE: 1" = 20'-0"
DESIGNED BY: S.F. DATE: 11-27-79

BRIDGE NO. 5870 DRAWING NO. 23528

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Abstract

