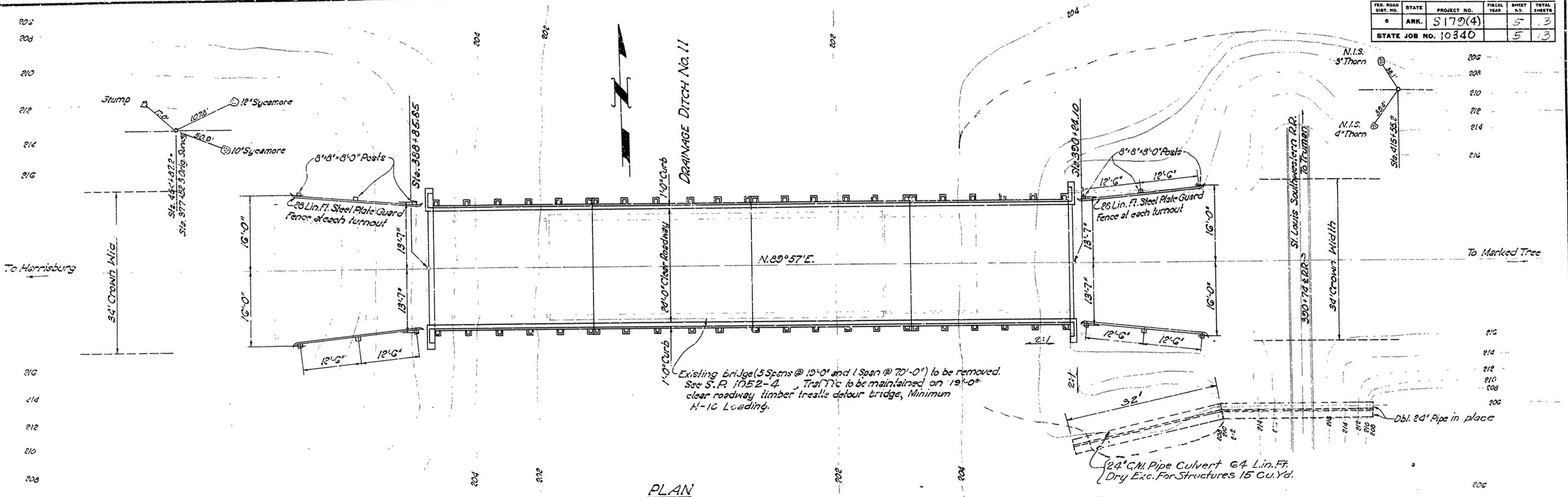
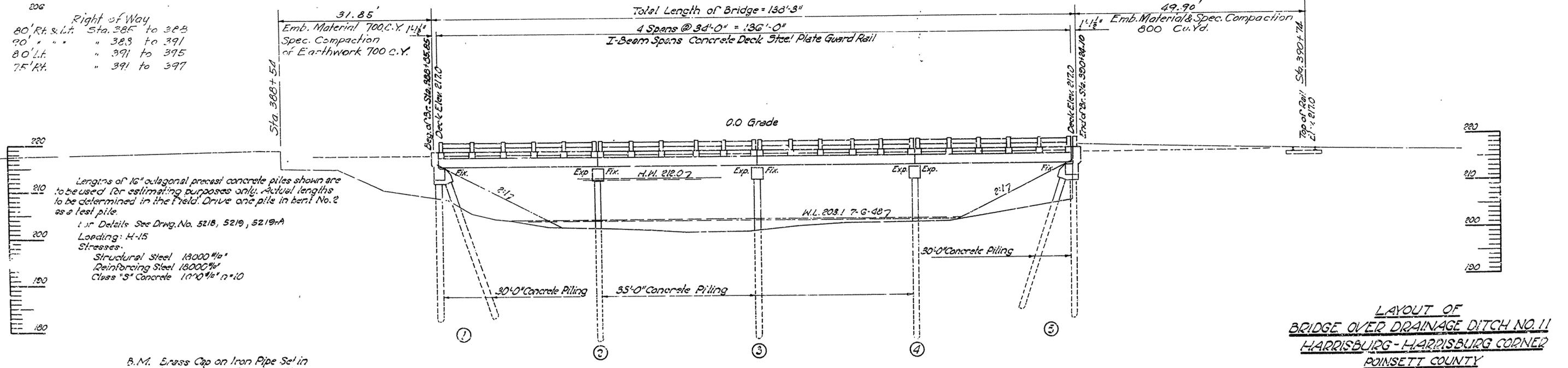


FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	S 170(4)		5	13
STATE JOB NO. 10340				5	13



PLAN



ELEVATION

Right of Way
 80' Rt. & Lt. Sta. 385 to 388
 80' " " " 388 to 391
 80' Lt. " 391 to 395
 75' Rt. " 391 to 397

Lengths of 16" octagonal precast concrete piles shown are to be used for estimating purposes only. Actual lengths to be determined in the field. Drive one pile in bent No. 2 as a test pile.
 For Details See Drwg. No. 5218, 5219, 5219-A
 Loading: H-15
 Stresses:
 Structural Steel 18000 #/sq
 Reinforcing Steel 18000 #/sq
 Class "S" Concrete 1070 #/cu ft

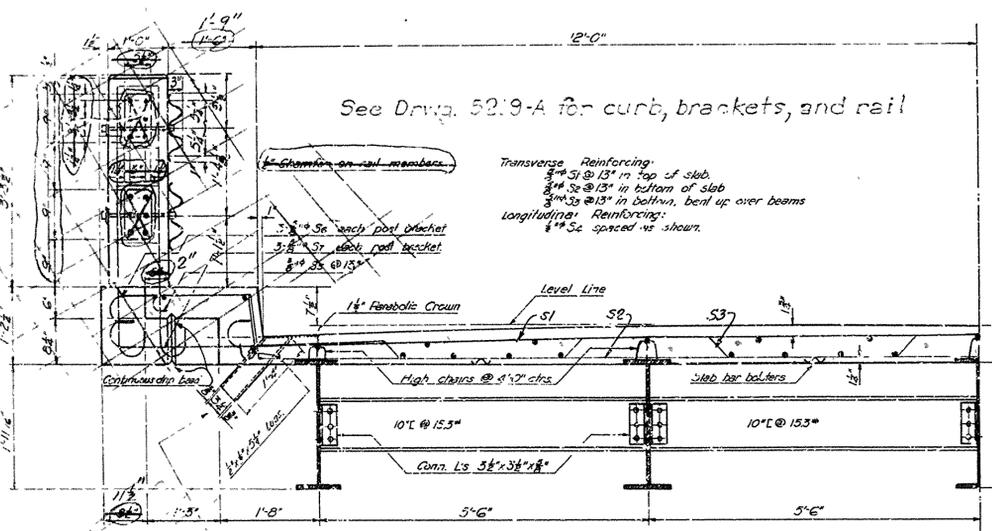
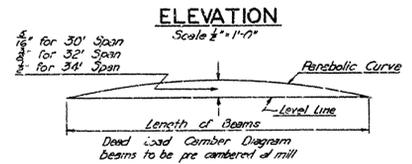
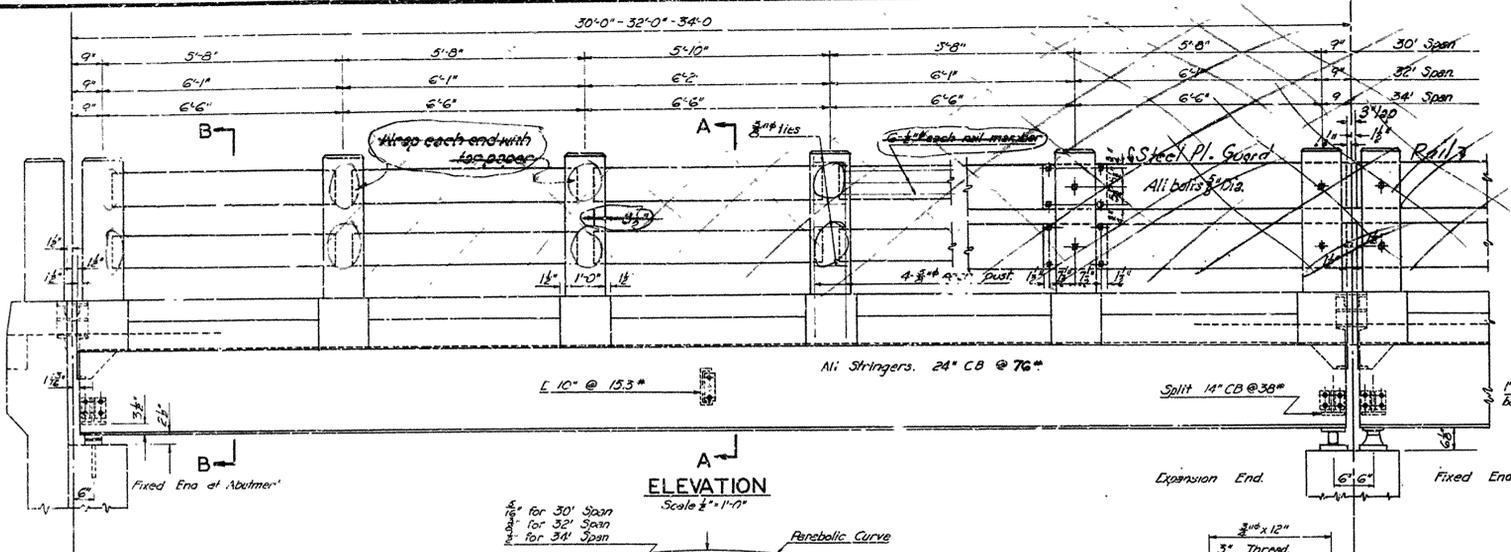
B.M. Brass Cap on Iron Pipe Set in Concrete. Stamped U.S.E.D. 11-10-21
 42' R.I. (Orig. Survey) Sta. 365+00
 Elev. { 213.37 Back
 { 213.03 Ahead

LAYOUT OF
 BRIDGE OVER DRAINAGE DITCH NO. 11
 HARRISBURG - HARRISBURG CORNER
 POINSETT COUNTY

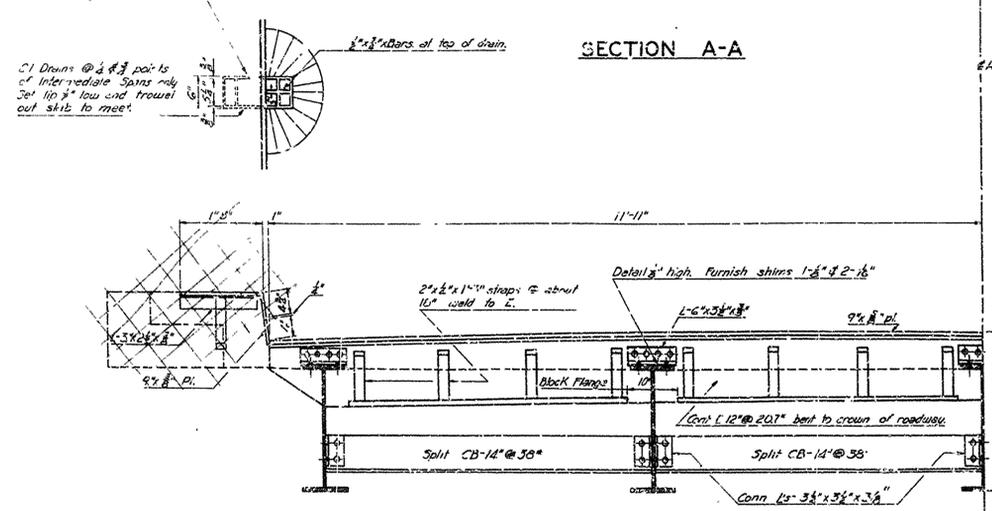
ROUTE 14 SEC. 14
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: L.A.M. Date: 12-3-48
 Traced By: E.F.S. Date: 12-14-48
 Checked By: _____ Date: _____
 BRIDGE NO. 570 DRAWING NO. 7617

M. J. Jones
 PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

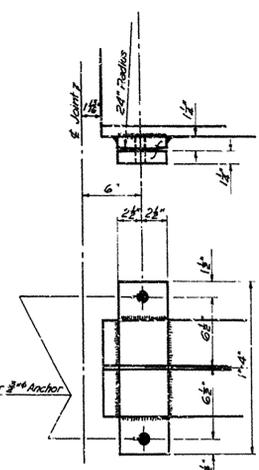
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.				



SECTION A-A

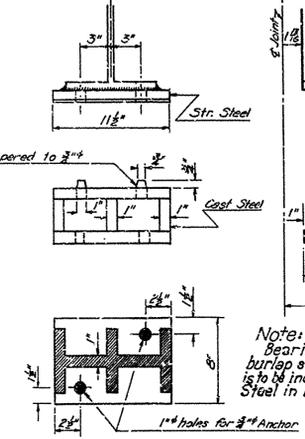


SECTION B-B

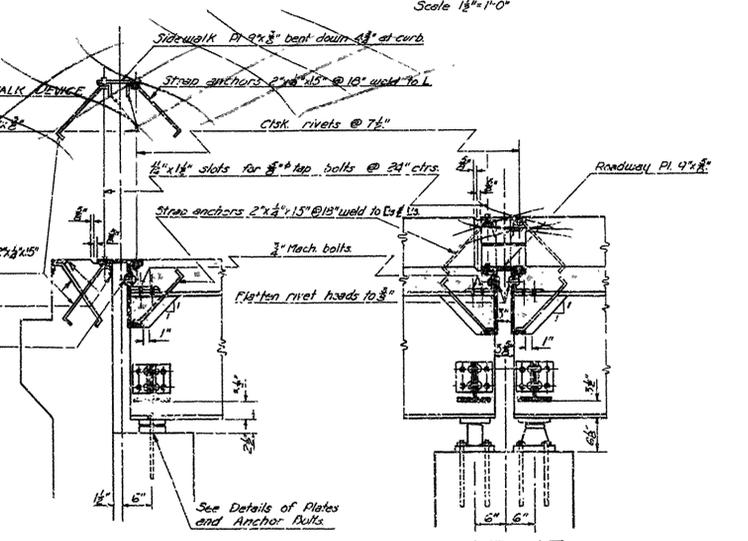


PLATES AT ABUTMENT

SWEDGED ANCHOR BOLT



FIXED SHOE EXPANSION SHOE DETAILS OF BEARINGS



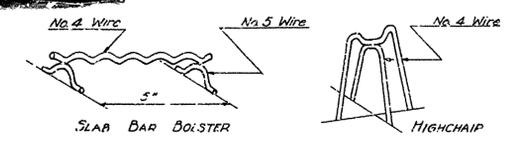
JOINT AT ABUTMENT

JOINT AT INTERMEDIATE BENT

LOADING H-15
 Load Distribution Outside Beams
 Dead Load Per Foot = 975 #
 Live Load Per Foot = 184 #
 Conc. Live Load = (5200 # Mom. / 7500 # Shear) = 0.82 Wheel
 Truck Live Load = 11 Wheel!
 Load Distribution Inside Beams
 Dead Load Per Foot = 650 #
 Live Load Per Foot = 264 #
 Conc. Live Load = (7425 # Mom. / 10,725 # Shear) = 1.1 Wheel!

STRESSES
 Structural Steel = 18,000 #/sq.
 Reinforcing Steel = 18,000 #/sq.
 Concrete (f'c) = 1000 #/sq.

GENERAL NOTES
 All concrete to be Class "S". All exposed corners to have 3/4" chamfer unless otherwise noted.
 Reinforcing bars shall be lap spliced where indicated using machine bolts.
 Structural shapes of equal or greater strength may be substituted for shapes shown but payment will be made on basis of shapes shown or those actually used whichever is the lesser.
 All welded connections to be 3/8" fillet shop welds except as noted.
 Shop Paint: All structural steel except surfaces in contact with concrete shall be given one coat of red lead and two coats of aluminum paint.
 Field Paint: First White Lead tinted with Lamp Black, Second coat Aluminum.
 All bearing and roadway expansion devices to be paid for as "Structural Steel in Beam Spans".
 Weight of C.I. Drains to be included in weight of Reinforcing Steel.
 Care shall be exercised to obtain 90° in the angle between flange and web of beams at bearing points.
 This drawing shows general features of design only. Shop drawings shall be made in accordance with the Specifications, submitted and approval secured before fabrication is begun.
 In order to secure a good riding surface it will be required that the floor slab be struck off from curb to curb with a half span length longitudinal strike-off. The strike-off shall be sufficiently stiff so as to have no appreciable vertical deflection.
 SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, Adopted March 1st 1940.



All reinforcing steel shall be accurately located in the forms and firmly held in place by means of steel wire chair supports adequate to prevent displacement during the course of construction and to keep the steel a proper distance from the forms.
 Bar supports are to be sufficient in number and sufficiently heavy to properly carry the steel they support. Wire sizes shall not be less than shown.
 Wire supports will not be paid for directly but will be considered subsidiary to the item of "Reinforcing Steel". Shop lists and diagrams must be submitted for approval.

LIST OF BENT BARS

Mark	Size	Length	Bending Diagram
S1	5/8"	25'-9"	
S2	5/8"	26'-0"	
S3	5/8"	26'-0"	
S4	5/8"	3'-4"	
S5	5/8"	5'-0"	
S6	5/8"	5'-0"	
S7	5/8"	5'-0"	

Revised 8-14-48 Handrail Curb & brackets
 Revised 12-9-46 Bars S1 & S3
 " 2-28-47 Wl. of 24" CB
 " 4-5-47 Ribbed Bolts
 " 7-20-48 Handrail (Note Details shown thus do not apply after this revision date)
 See also Drawg. No. 5219-1

DETAILS OF STANDARD 30'-32'-34' I-BEAM SPANS 24'-0" CLEAR ROADWAY 1'-6" WALKWAY

ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

Drawn By: L.P.C. Date: 8-30-44
 Traced By: S.W.B. Date: 4-30-46
 Checked By: _____ Date: _____

Scale: 3/4" = 1'-0"
 & AS SHOWN
DRAWING NC. 5219.

M.B. Garver
 PRINCIPAL HIGHWAY ENGINEER (BRIDGE)