

NOTE
 All exposed edges not otherwise shown shall be chamfered thus.

CAMBER This bridge shall be provided with a permanent camber under full dead load amounting to approximately 3/8" at the center and following a true parabolic curve.

APPROACH SLABS Approach slabs shall be provided at both ends of superstructure in case of paved approaches. For details see Dr No AG-2430. 1 Prem Exp J-Filler between ends of bridge slab and approach slab at expansion end only. Payment included with Approach Slab.

BENDING DIAGRAM NOTE
 All steel dimensions are measured along center-line of bar.

BENDS All bends not otherwise shown shall have a minimum radius of 4 1/2".

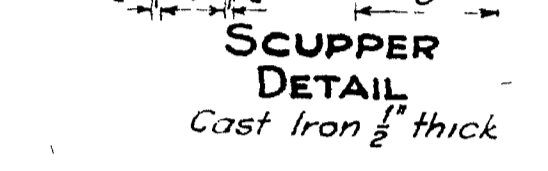
BAR LEGEND

Mark	Size
1	1"
2	2"
3	3"
4	4"
5	5"
6	6"
7	7"
8	8"
9	9"
10	10"

Illustration of Marking: 1-10, 11-20, 21-30, 31-40, 41-50, 51-60, 61-70, 71-80, 81-90, 91-100. Markings in a beam, indicating that the bar is in a beam, and showing the size, and the location of the bar in the beam, and the location of the bar in the beam.

STEEL LIST

Mark	Size	Shape	No	Reqd. Length	Wt.
55a	1/2"	Bent	6	23' 9"	1636
55b	1/2"	Strt	24	42' 0"	1515
52a	1/2"	Strt	24	42' 0"	873
51a	1/2"	Strt	18	26' 0"	176
80a	1/2"	Bent	5	30' 9"	815
80b	1/2"	Bent	5	34' 9"	921
80c	1/2"	Bent	5	34' 9"	921
80d	1/2"	Bent	5	30' 9"	815
80e	1/2"	Bent	5	36' 0"	952
80f	1/2"	Bent	5	37' 9"	996
80g	1/2"	Bent	5	37' 9"	996
80h	1/2"	Bent	5	36' 0"	952
80i	1/2"	Bent	8	29' 6"	1262
82a	1/2"	Bent	200	6' 7"	880
83a	1/2"	Bent	88	4' 4"	324
60a	1/2"	Bent	2	47' 6"	505
60b	1/2"	Bent	2	47' 6"	505
60c	1/2"	Bent	2	47' 6"	505
60d	1/2"	Bent	2	47' 6"	505
69a	1/2"	Bent	2	42' 6"	367
69b	1/2"	Bent	2	48' 0"	413
69c	1/2"	Bent	2	37' 3"	321
69d	1/2"	Bent	2	48' 0"	413
69e	1/2"	Bent	2	50' 9"	436
69f	1/2"	Bent	2	50' 9"	436
69g	1/2"	Bent	2	50' 9"	436
69h	1/2"	Bent	2	47' 6"	409
64a	1/2"	Bent	20	13' 6"	285
64b	1/2"	Bent	8	14' 0"	117
64c	1/2"	Bent	8	14' 3"	120
64d	1/2"	Bent	20	15' 0"	313
TOTAL					19920



NOTE Wearing surface at, and adjacent to, scupper shall be depressed a maximum of 1/4".

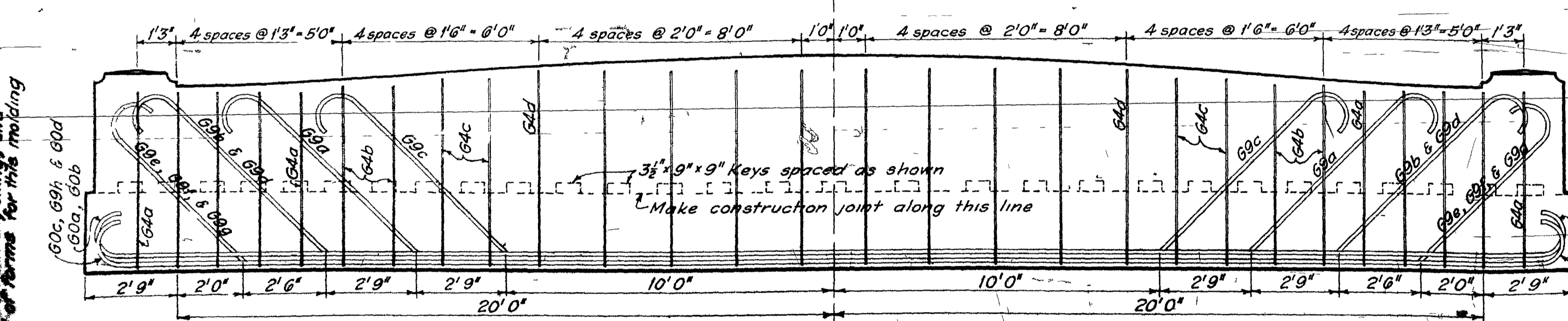
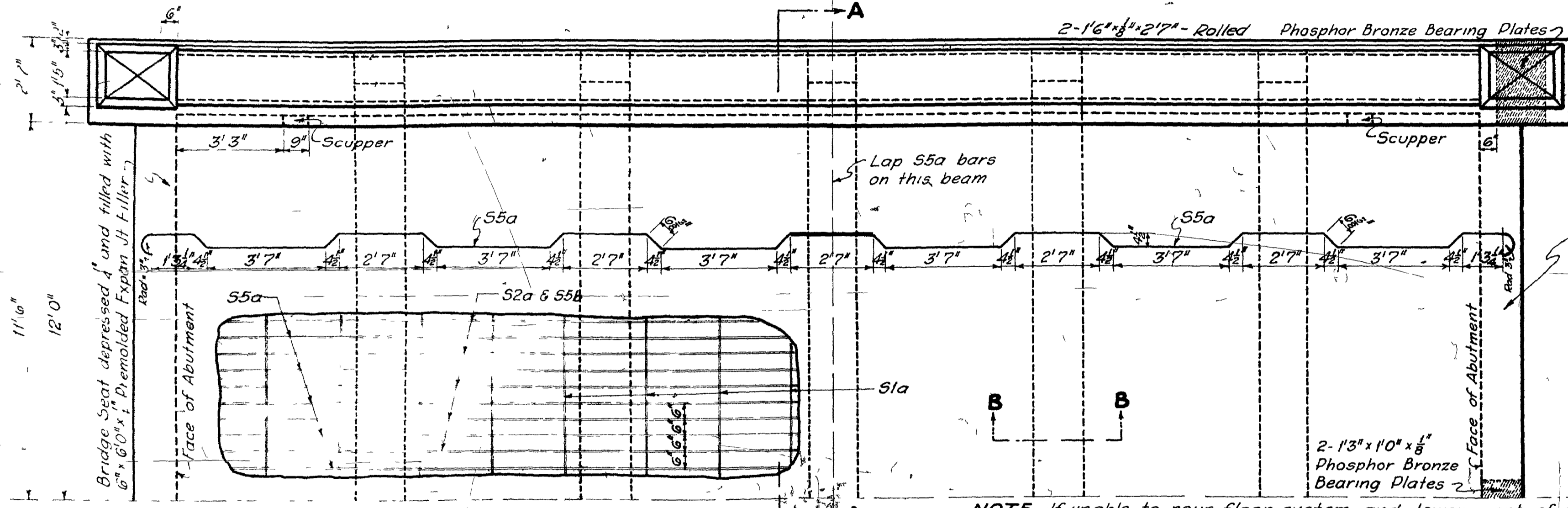
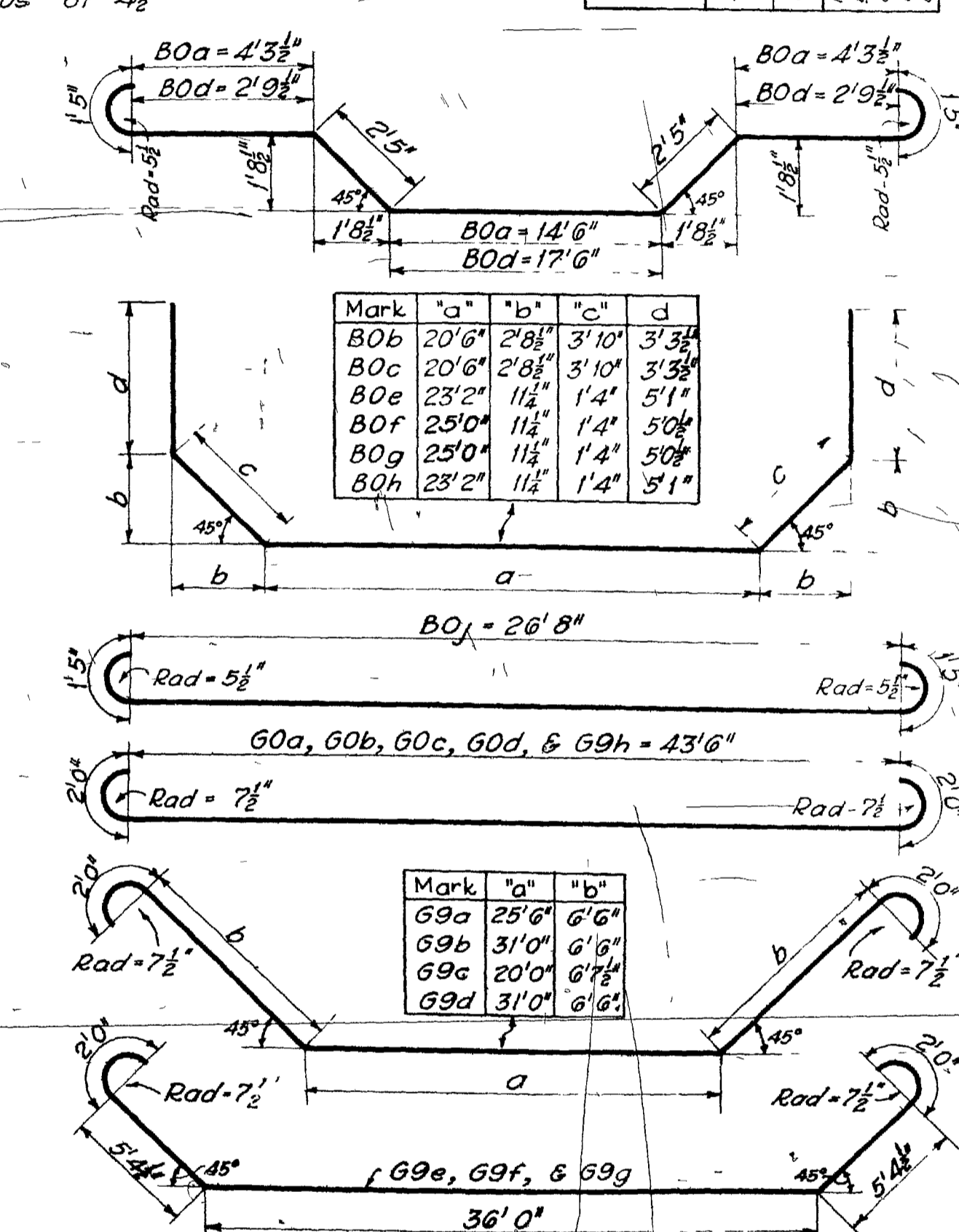
1" Premolded Expansion Joint Filler (two layers)

NOTE Top of abutment at expansion end to be finished perfectly smooth. Place two layers of 1/2" premolded expansion joint filler between abutment and superstructure over area unoccupied by bearing plates, as shown.

NOTE If unable to pour floor system and lower part of girder continuously make construction joint along this line. If any concrete runs out under beam bulkheads it shall be removed before concrete hardens.

CONSTRUCTION JOINT
 The surface of girder construction joint shall be left rough and free from all laitance and debris.

CURING Special care shall be exercised in the curing of concrete, and all concrete from which forms have been removed shall be kept wet as per construction specifications.

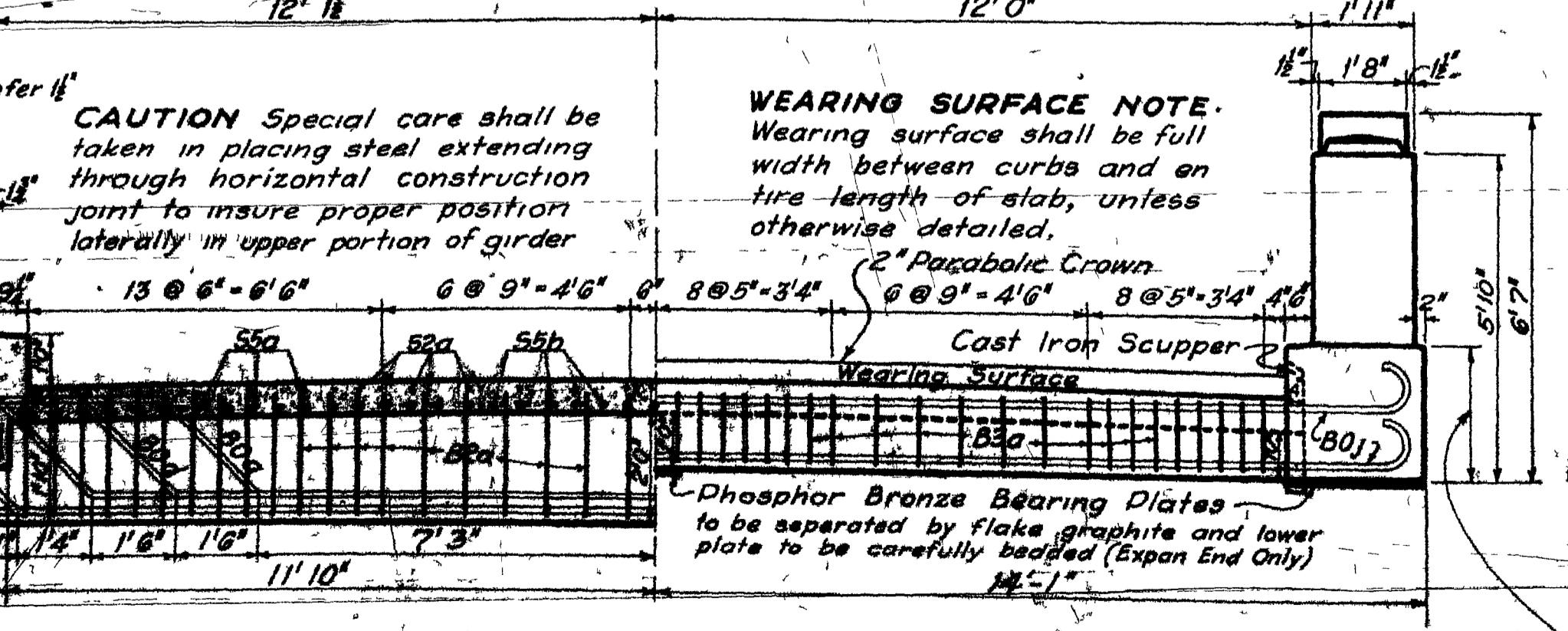


KEYS Special care shall be taken to insure keys being monolithic with lower part of girder.

SIDE ELEVATION SHOWING GIRDER REINFORCEMENT

SPECIFICATIONS
 Construction specifications in force on date of contract shall govern.

SURFACE FINISH The tops, inside faces, and ends of girders shall be given special rubbed surface finish, and the complete outside faces of girders and the tops and sides of curbs ordinary surface finish as per construction specifications. The payment for this is included in the price per cubic yard of concrete.

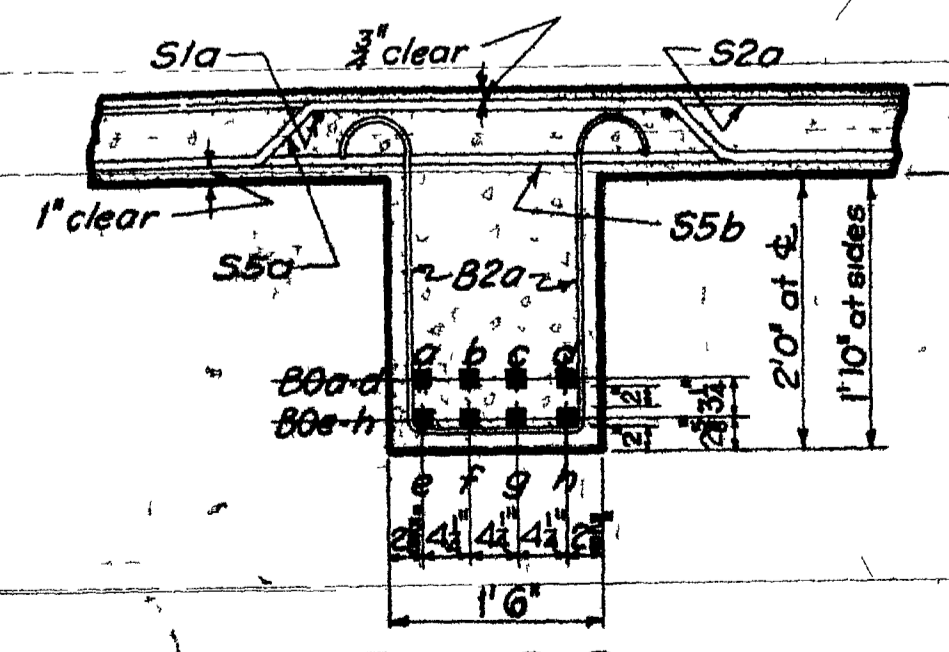


CAUTION Special care shall be taken in placing steel extending through horizontal construction joint to insure proper position laterally in upper portion of girder.

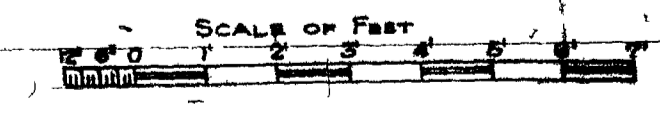
WEARING SURFACE NOTE
 Wearing surface shall be full width between curbs and on tire length of slab, unless otherwise detailed.

Phosphor Bronze Bearing Plates to be separated by plate graphite and lower plate to be carefully beaded (Expansion End Only)

NOTE Place two layers of 1/2" premolded expansion joint filler between girder and wing at four corners of bridge.



Concrete Mix 1:5



ESTIMATED QUANTITIES

Concrete 1:5 mix	74.3 Cu.Yds.
Reinforcing Steel	19920 Lbs.
1 Prem Exp. J-Filler	127.0 Sq.Ft.
Wearing Surface	109.5 Sq.Yds.
Phosphor Bronze Plates	1000 Lbs.
Cast Iron Scuppers	4 Pcs.

REVISIONS
 Date: January 4, 1927
 by: W.H.R.
 Date: Feb 8, 1929

STANDARD CONCRETE THROUGH GIRDER
 SPAN 40 FT. ROADWAY 24 FT. H-15 Lanes
 DIVISION OF HIGHWAYS
 STATE OF OHIO

G-40-24-2

Feb 8, 1929 Revisions: 1. Exp. J-Filler on bridge slab and approach slab. Note: Camber Reduced.