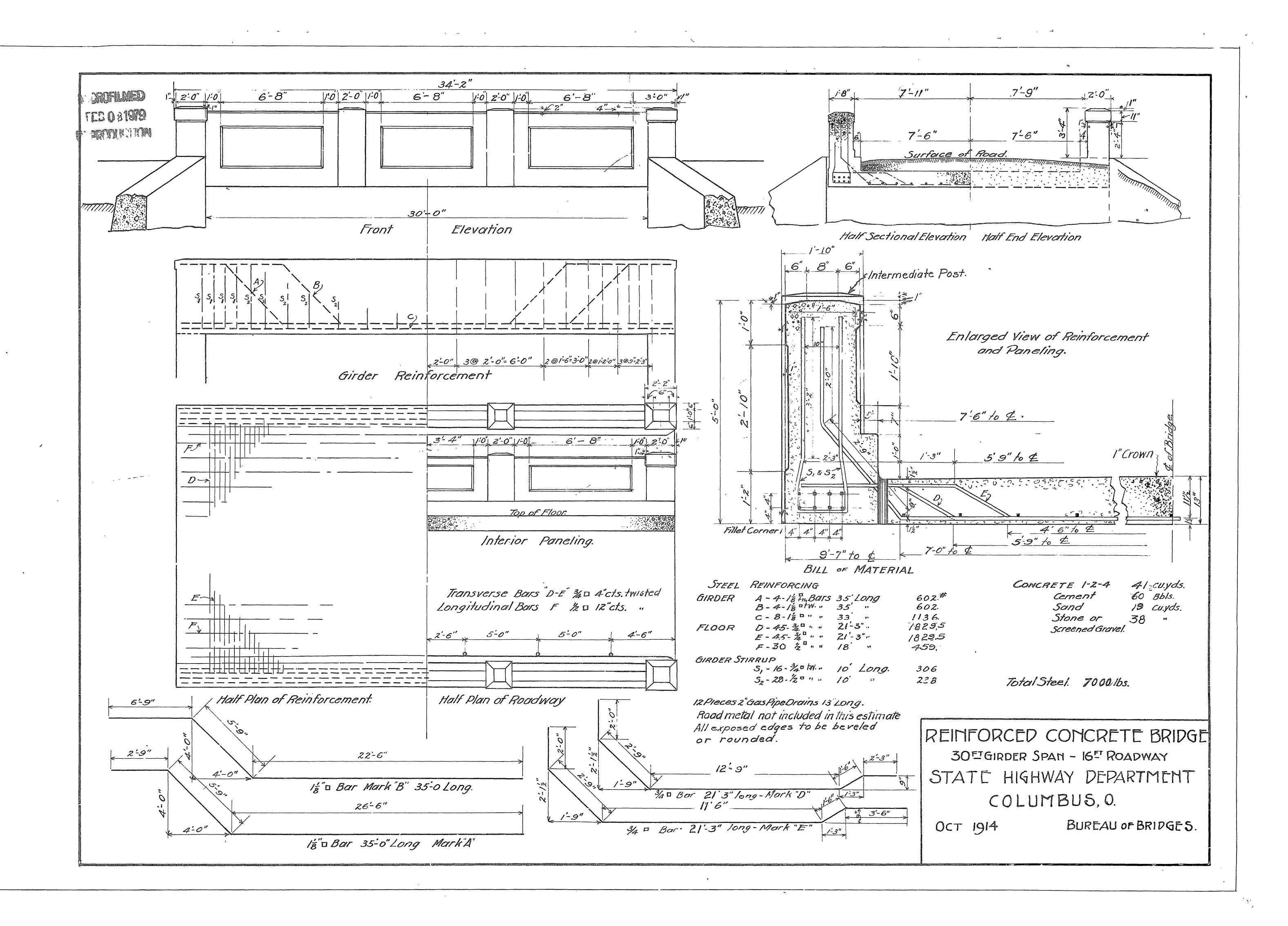


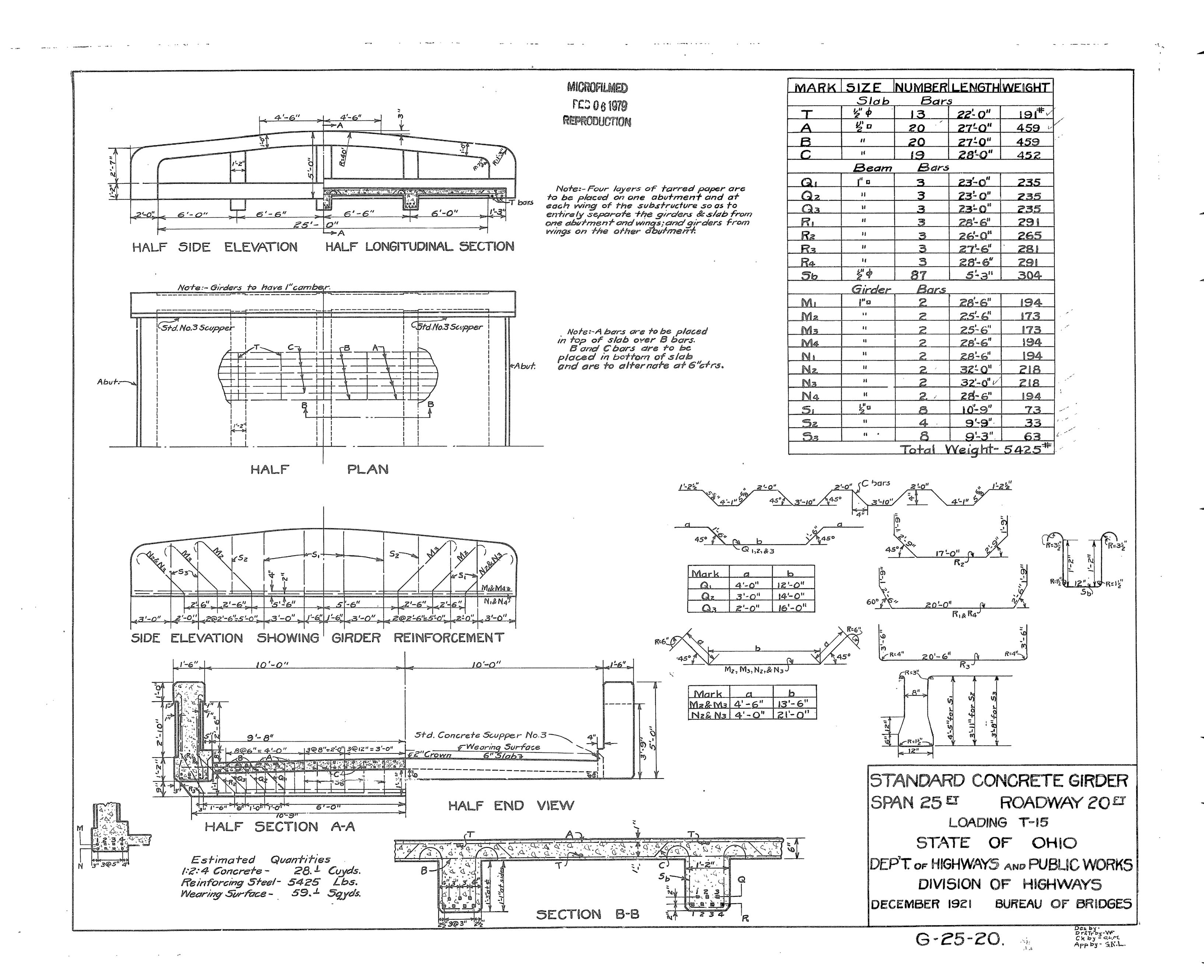
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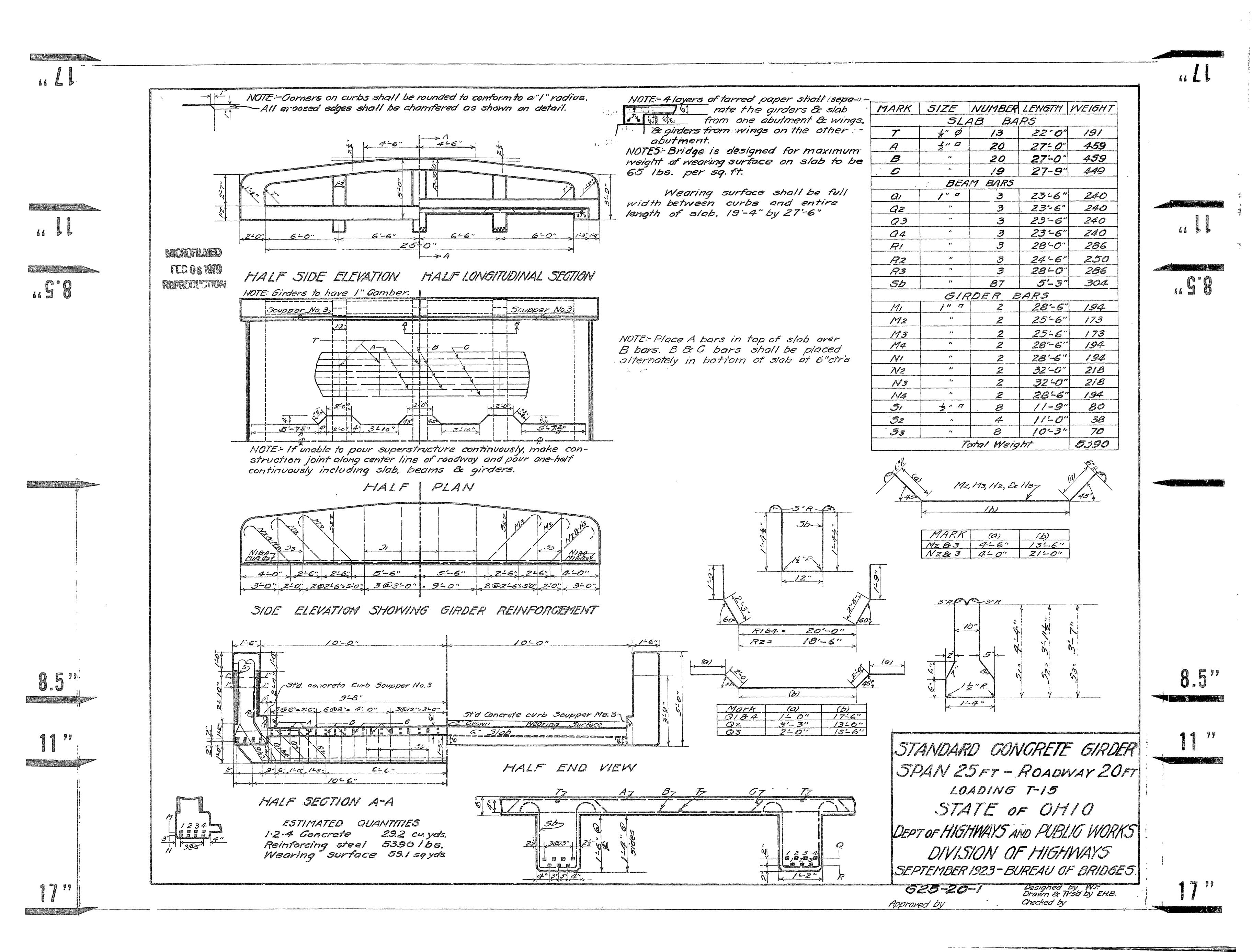
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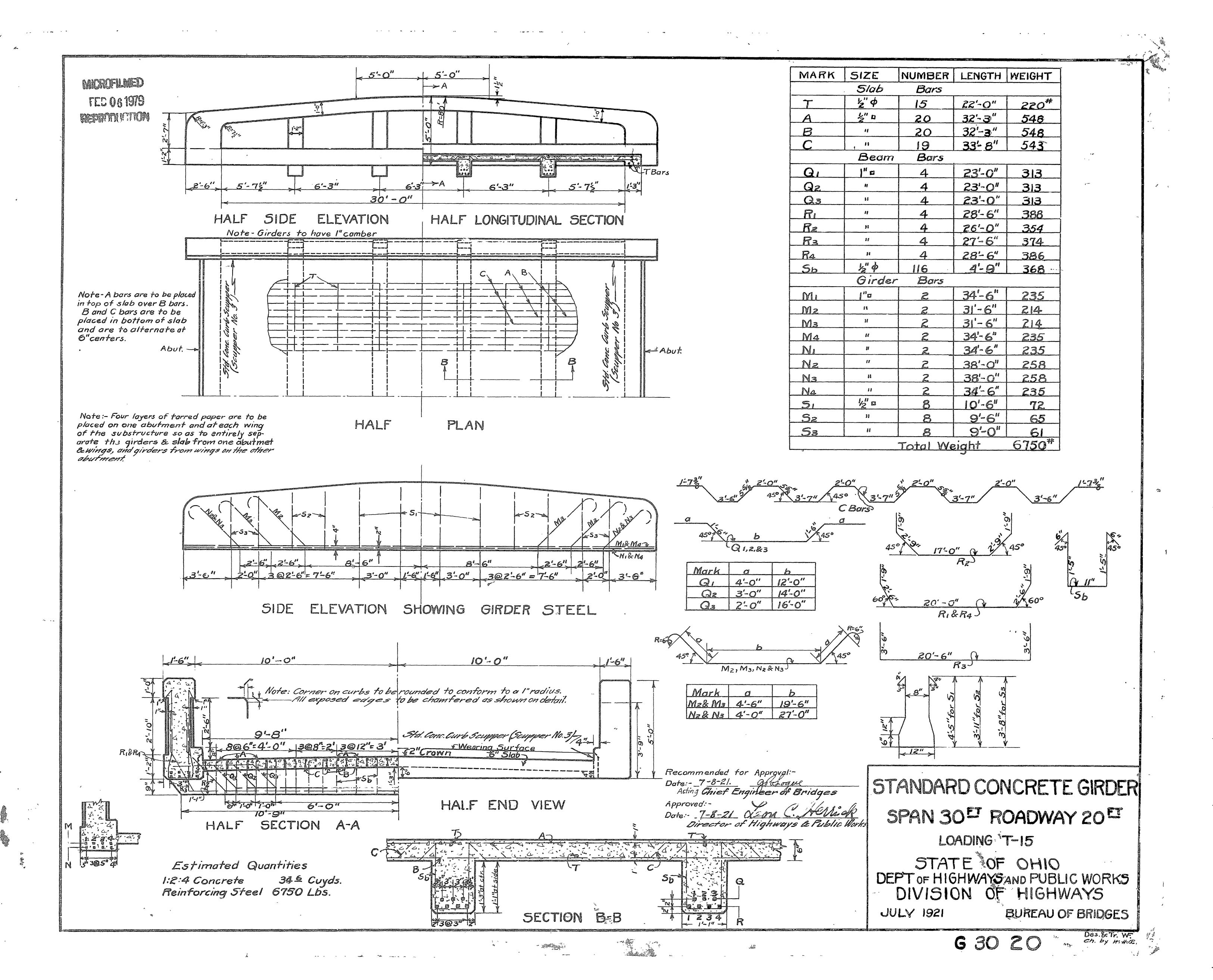
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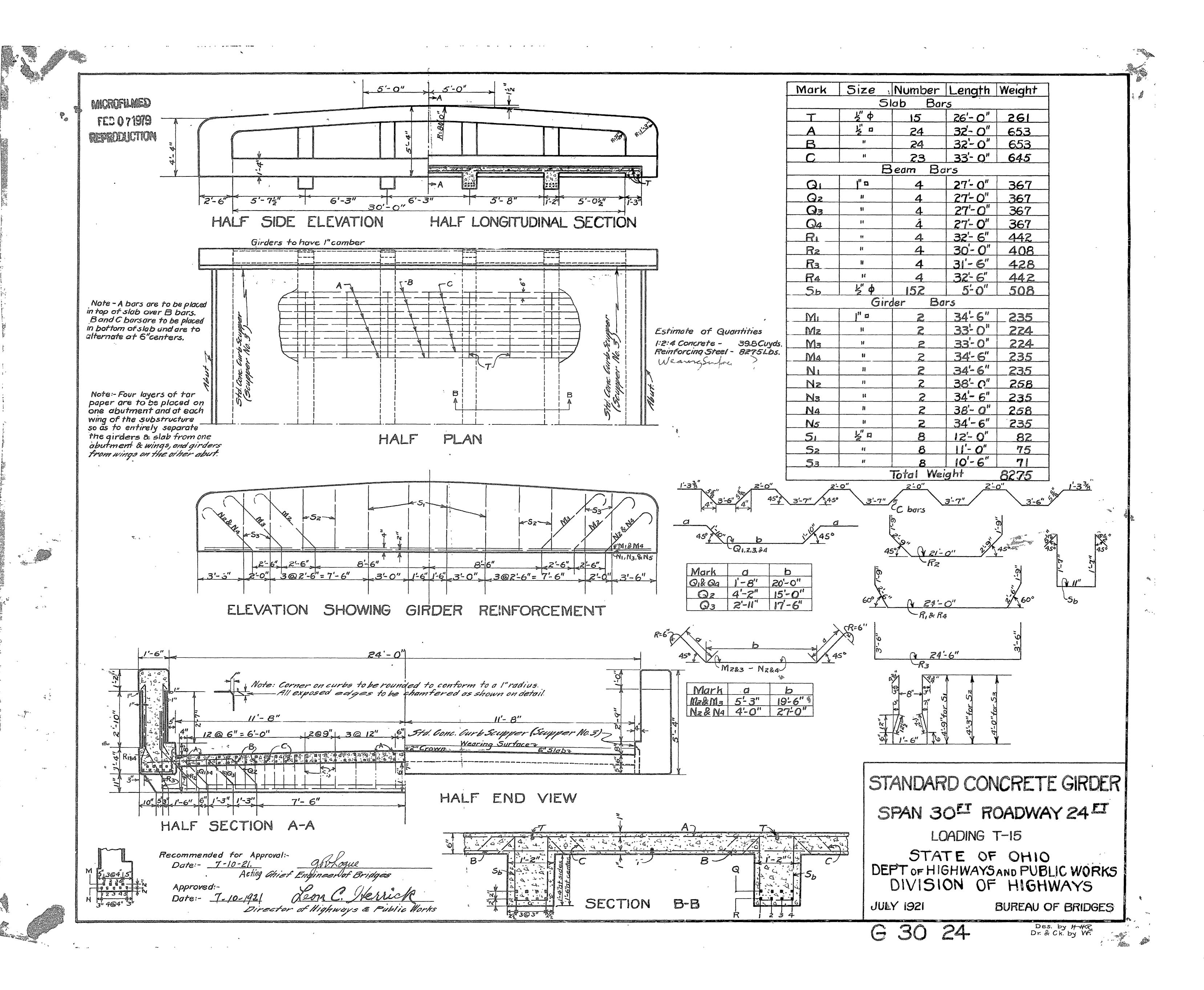


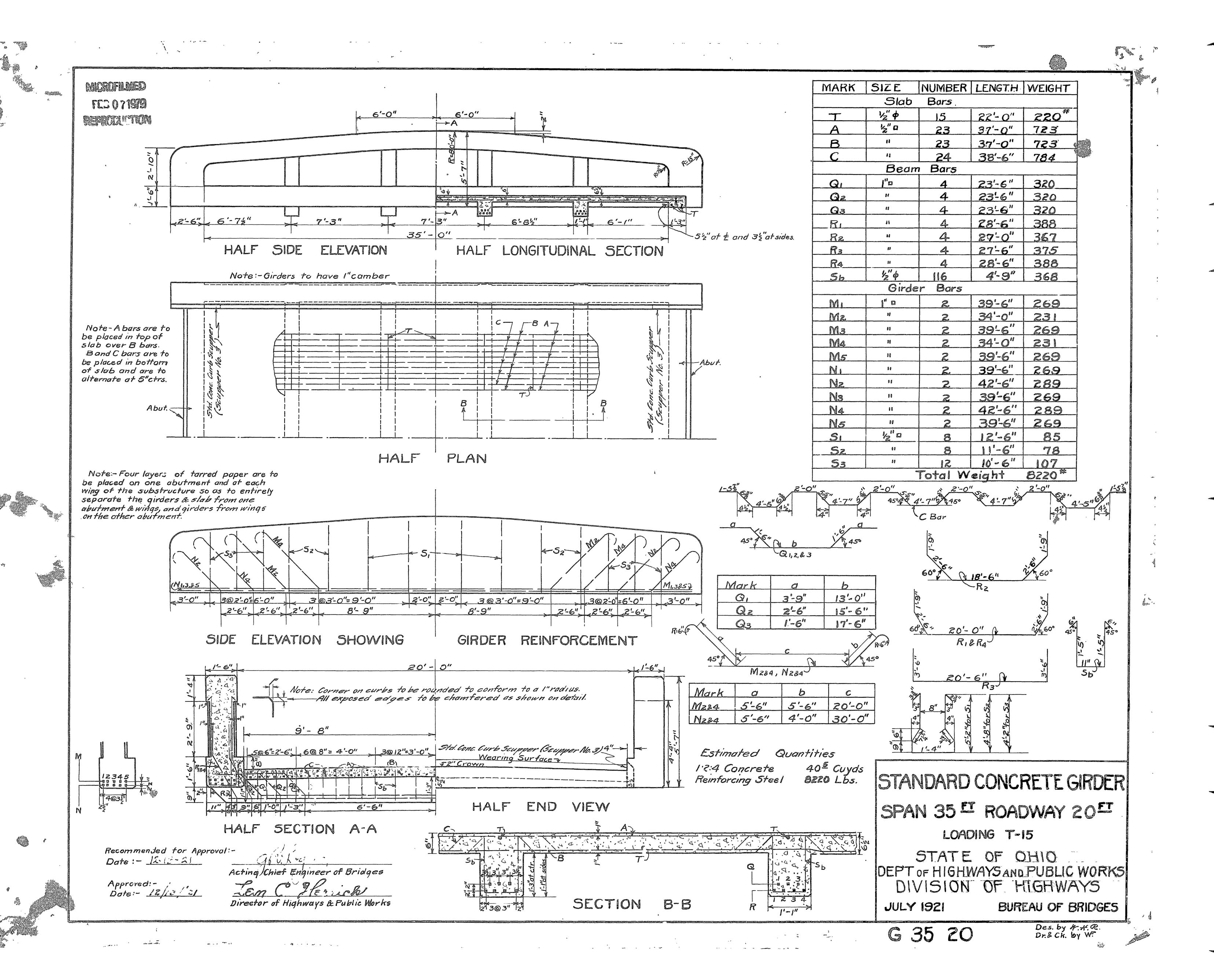
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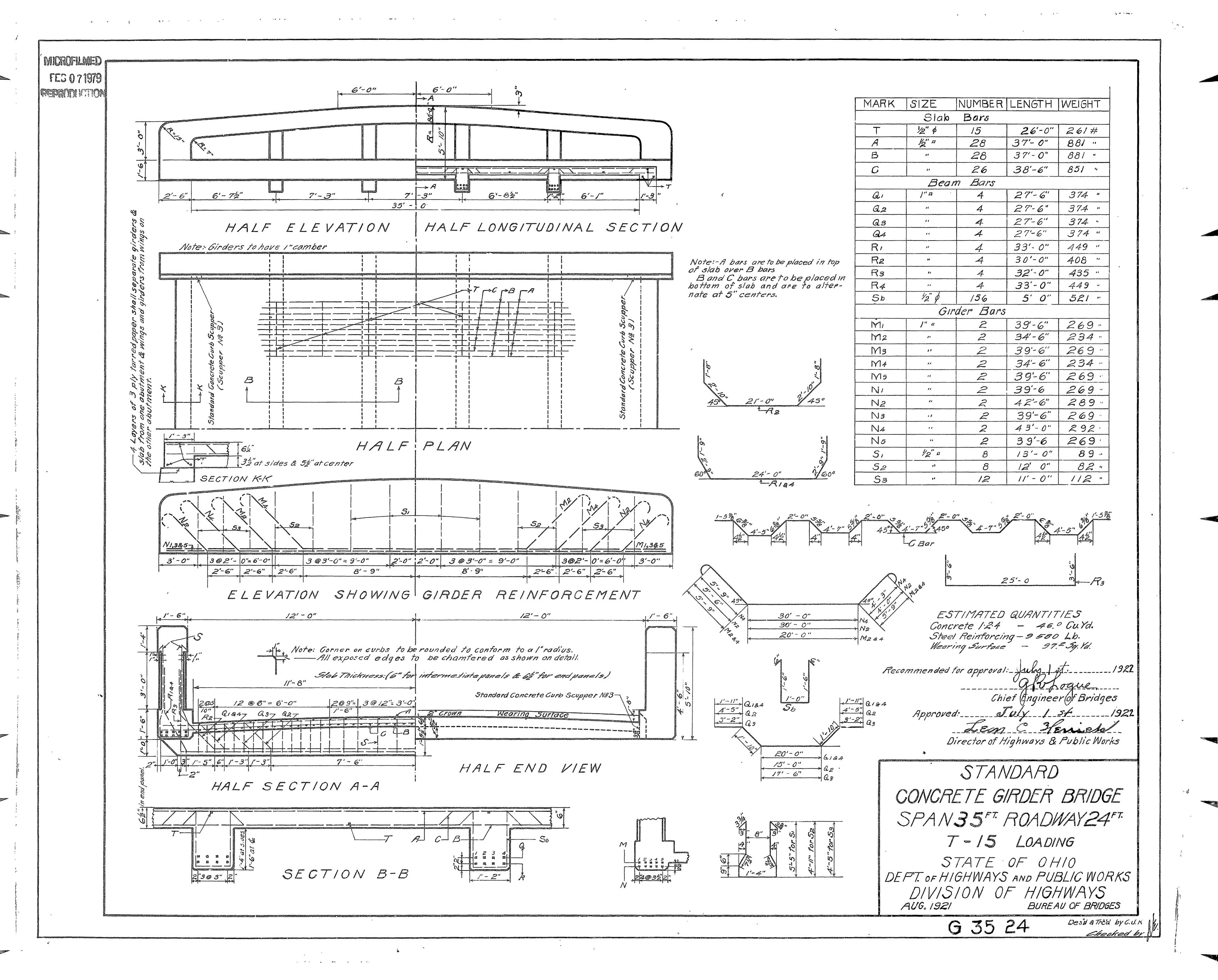


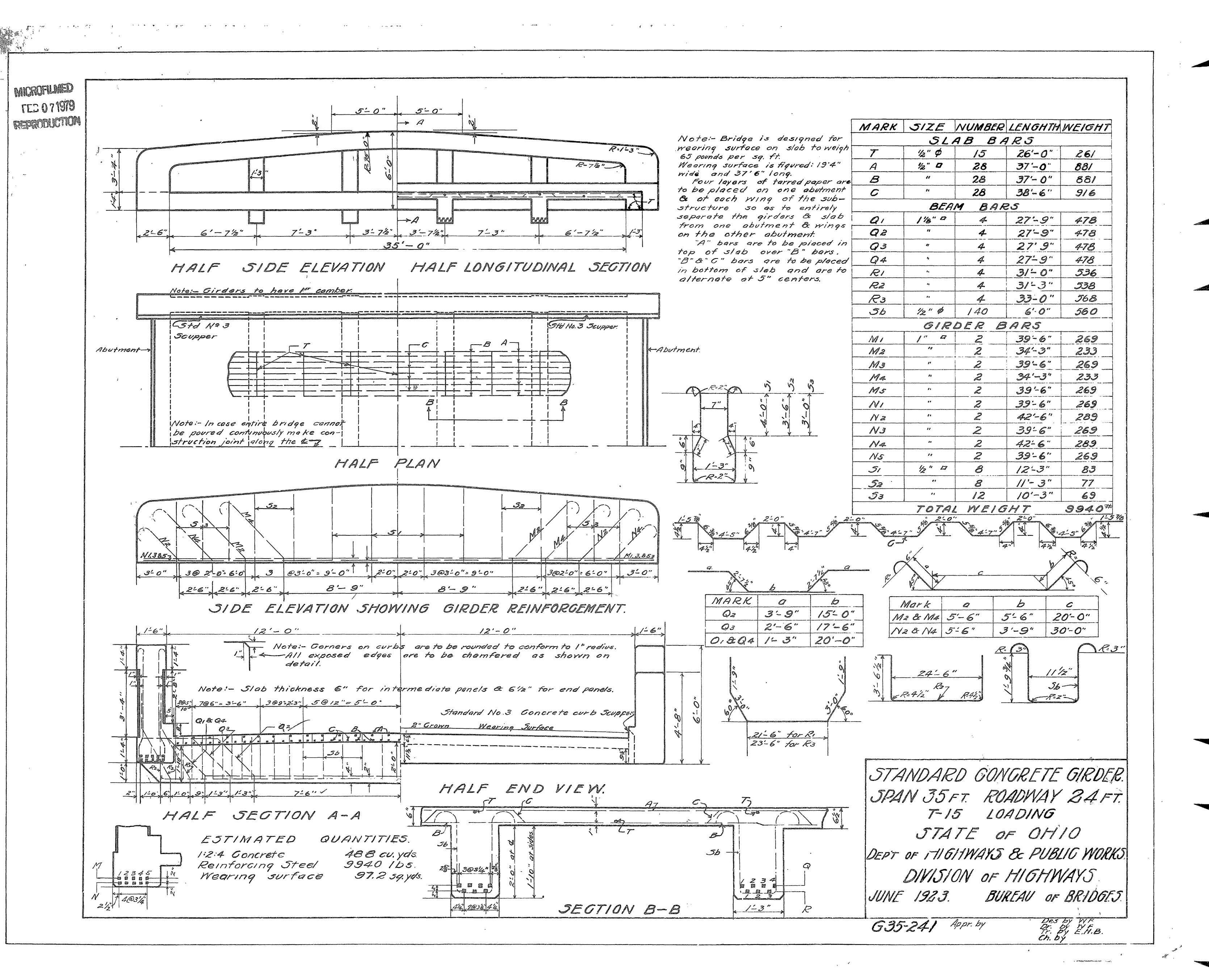






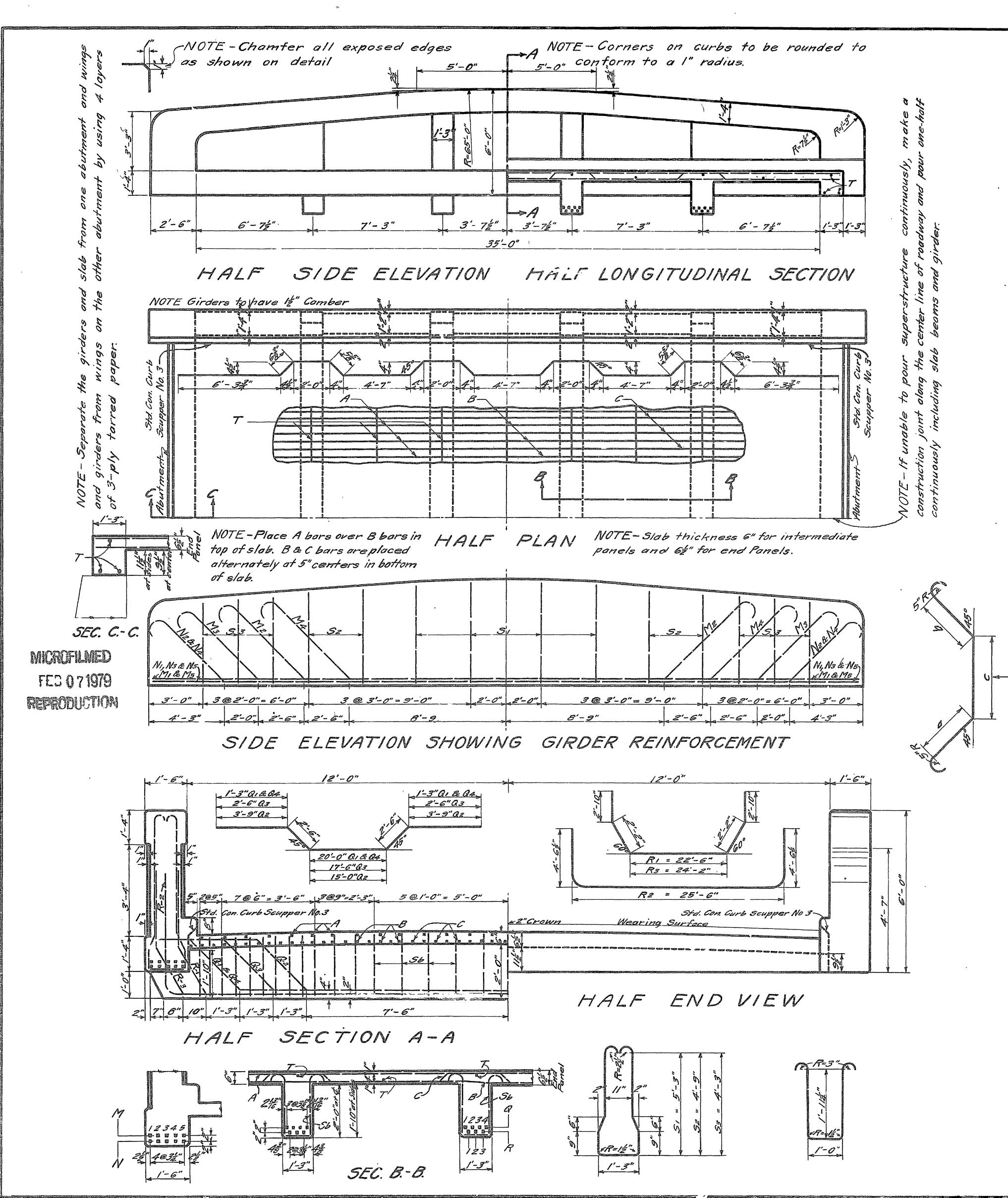






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MARK	SIZE	NUMBER	LENGHTH	WEIGHT		
SLAB BARS						
7	1/2" \$	15	26'-0"	261		
A	1/2 11	28	37'-0"	881		
B	11	28	37'-0"	881		
C	. 11	29	38'-3"	943		
BEAM BARS						
Q1	18"0	4	27'-6"	474		
Q2	//	4	27'-6"	474 .		
Q3	11	4	27-6"	474		
Q4	"	4	27'-6"	474		
RI	11	4	32'-6"	559		
R2	//	4	34'-3"	590		
R3	//	4	34'-3"	590		
56	½" \$	140	6-4"	592		
GIRDER BARS						
MI	" 0	2	39'-6"	269		
M2	//	2	34'-3"	233		
M3	//	2	40'-6"	276		
M4	//	Z	34'-3"	233		
M5	//	2	39'-6"	269		
N,	18"0	2	39'-6"	340		
N2	"	2	43'-0"	370		
N3	//	2	39'-6"	340		
N4	//	2	43'-0"	370		
N5	11	2	39'-6"	339		
Sı	2" 0	8	13'-3"	90		
Sz	<i>,</i> ,	8	12'-3"	83		
53	//	12	11'-3	115		
TOTAL WEIGHT 10520#						

	Mark	a	6	C
	M2 & M4	5'-11"	5'-8"	20'-0"
_	N2 & N4	l	4'-5"	31'-6"
	M3	5'-2"	5'-2"	27'-6"

NOTE-Bridge is designed for maximum weight of wearing surface on slab to be 65 pounds per sq. foot.

Wearing Surface shall be full width between curbs and entire length of slab

ESTIMATED QUANTITIES

1.2.4 Concrete 53.0 Cu. Yds.

Reinforcing steel 10520 Lbs.

Wearing surface 97.2 Sq. Yds.

STANDARD CONCRETE GIRDER

SPAN 35 FT ROADWAY 24 FT

LOADING T-15

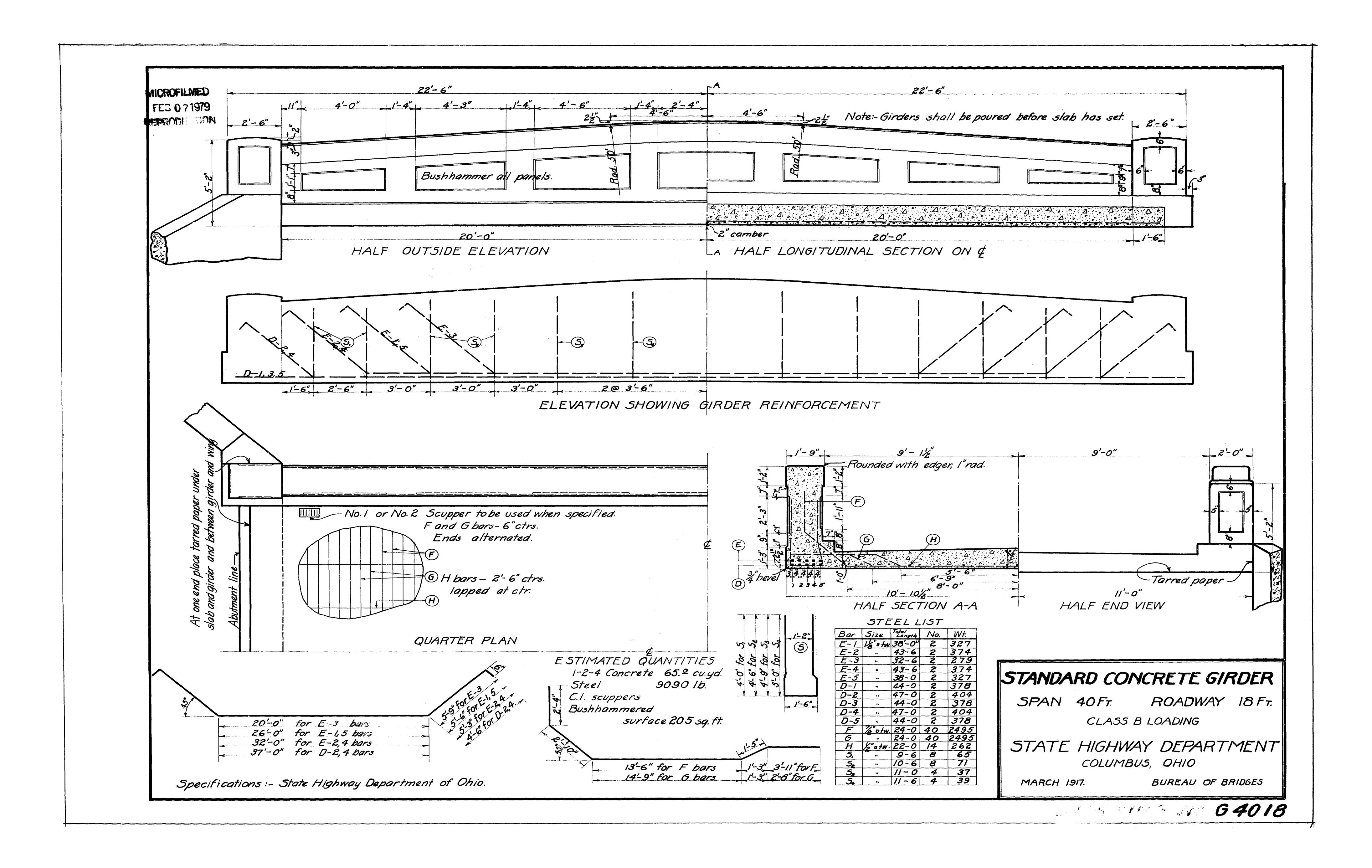
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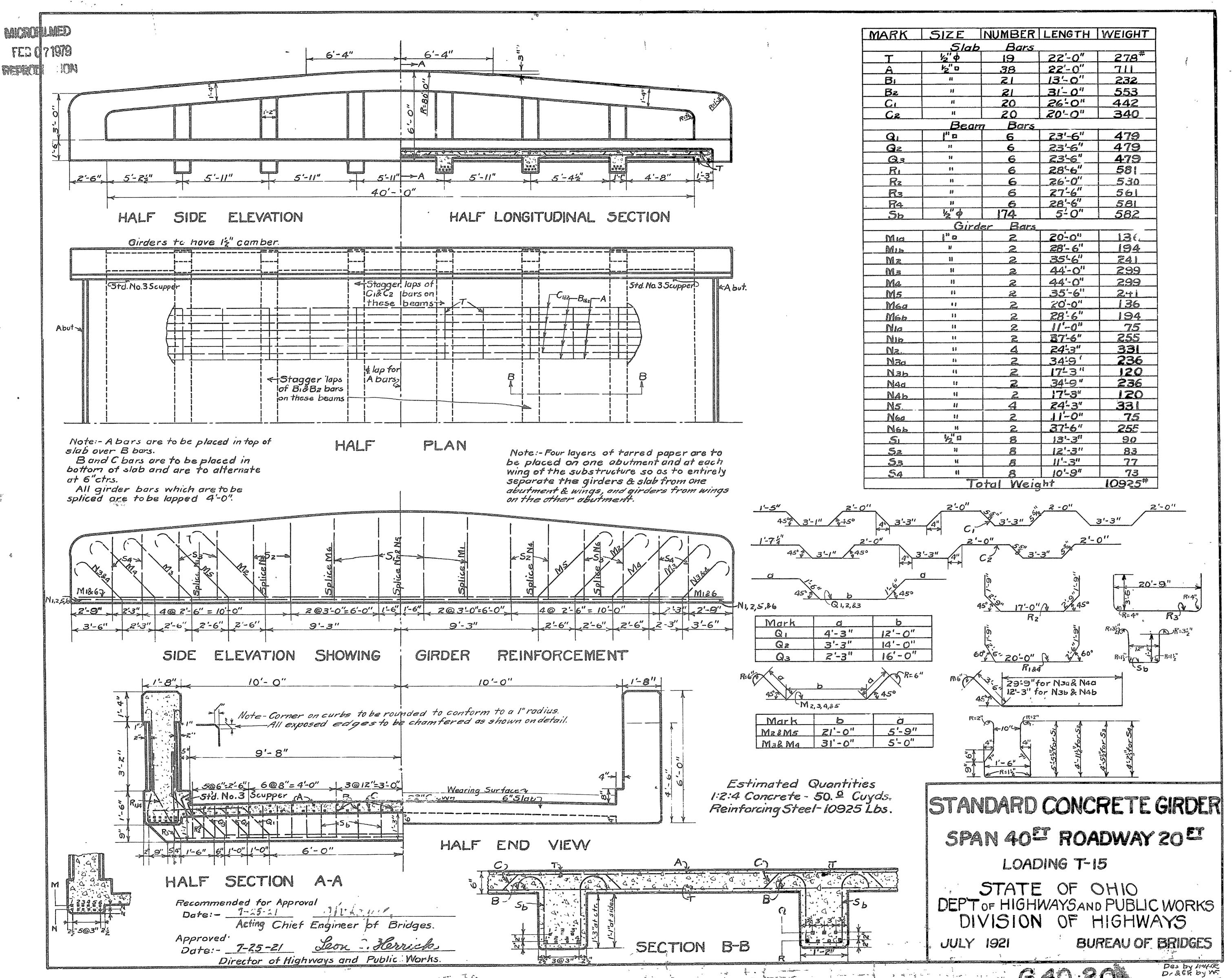
DEPTOF HIGHWAYS AND PUBLIC WORKS

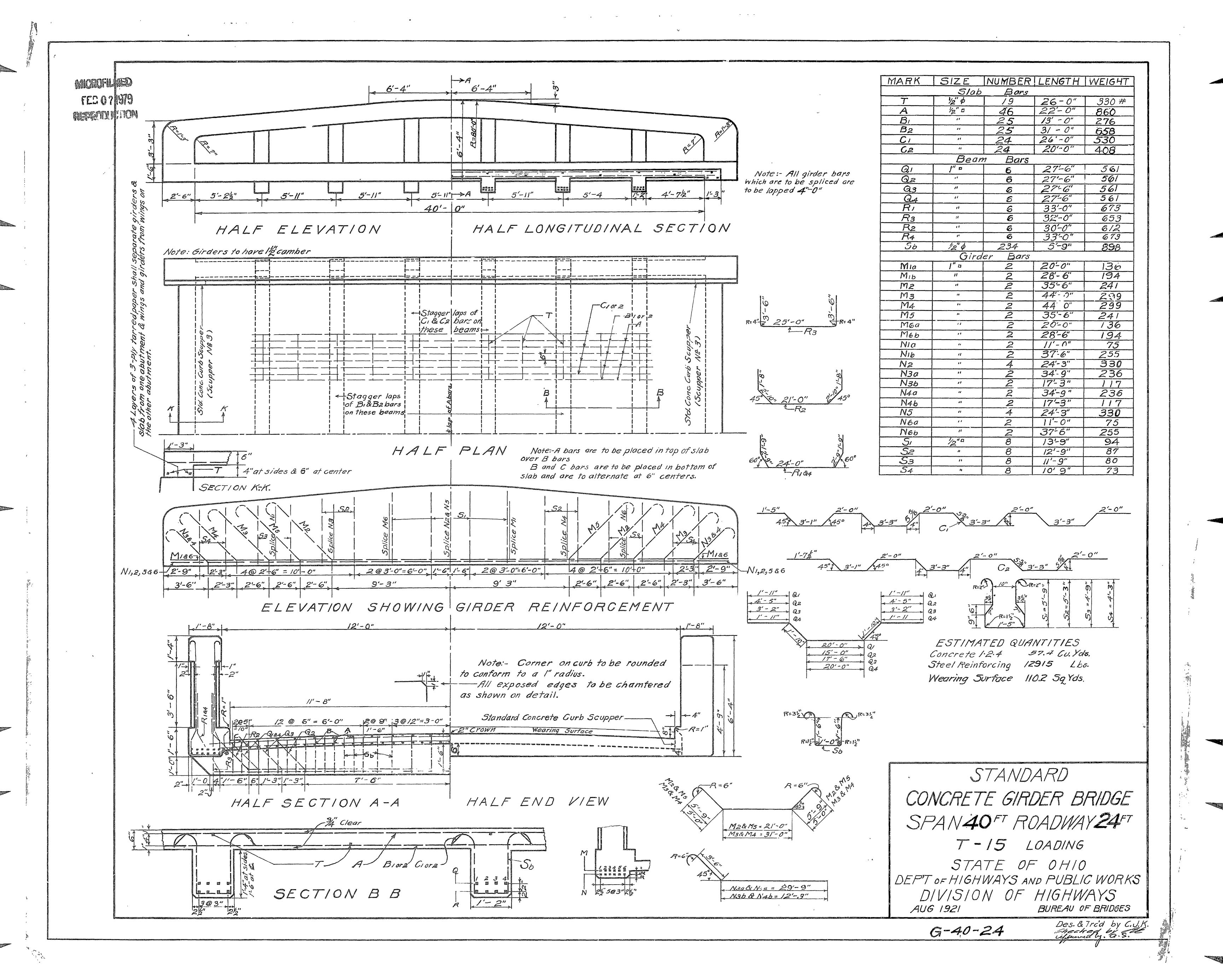
DIVISION OF HIGHWAYS

JANUARY 1924 BUREAU OF BRIDGES

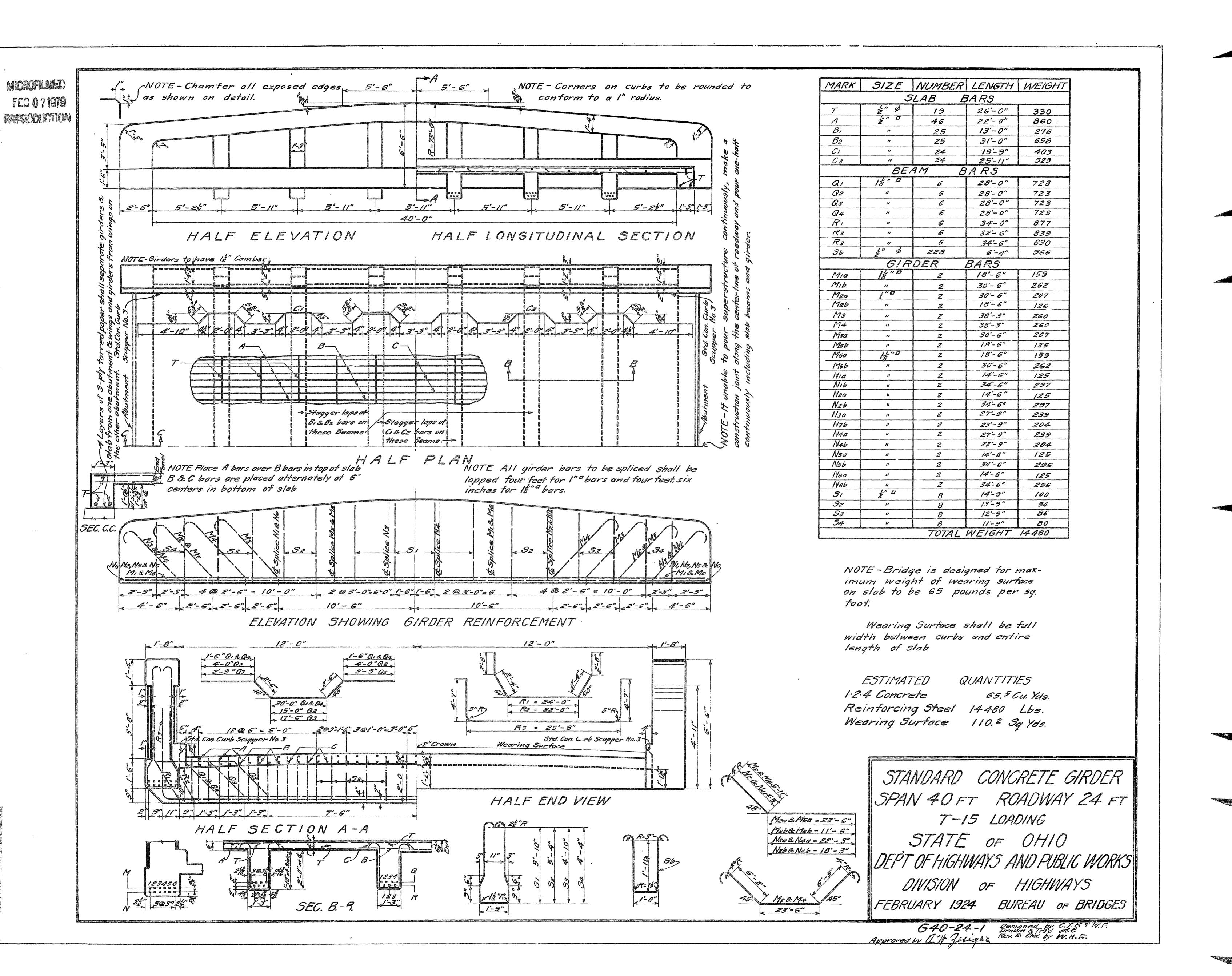
Approved by a in Zesige, Bev. & Chd by W. H.R.



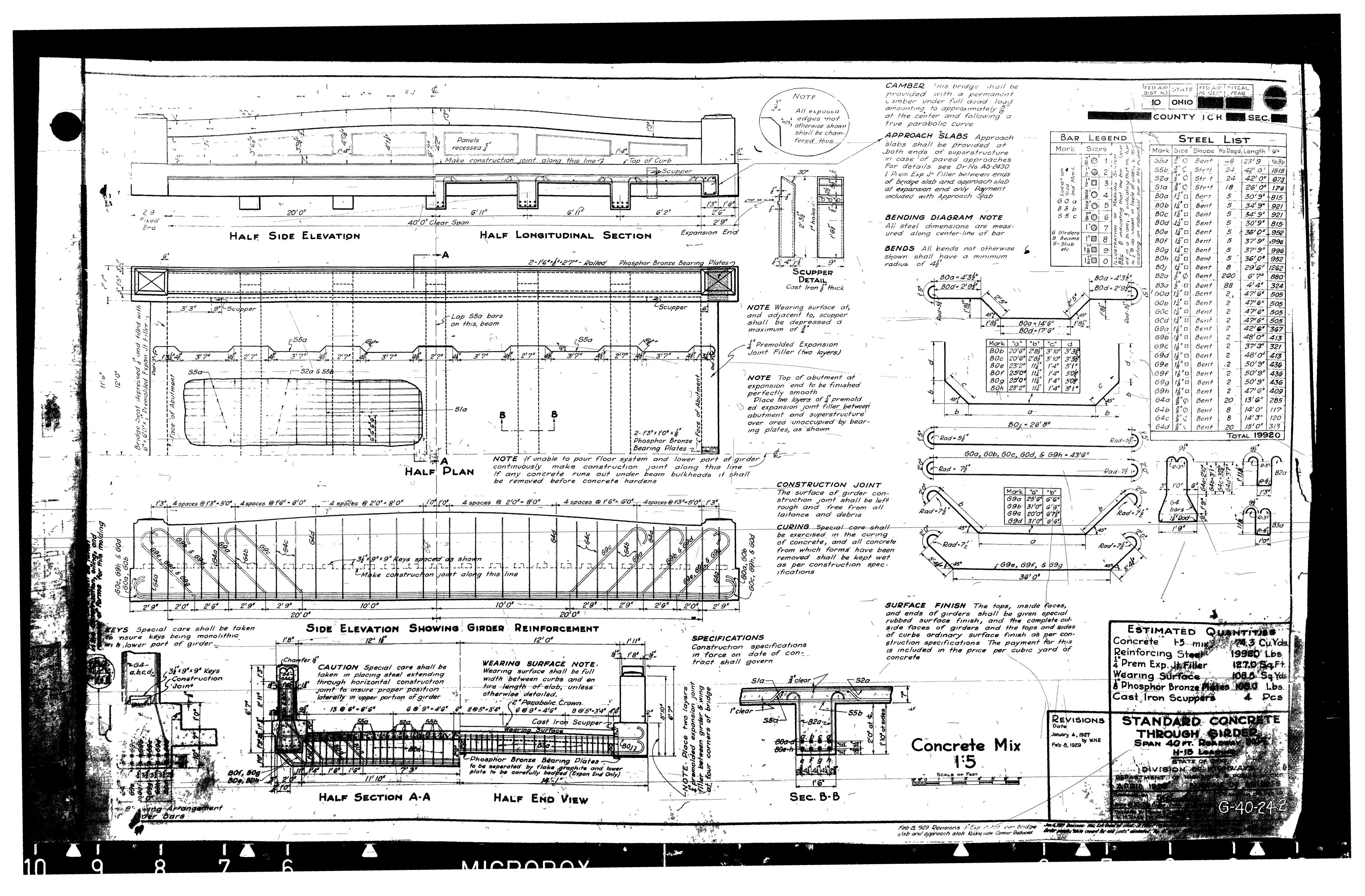


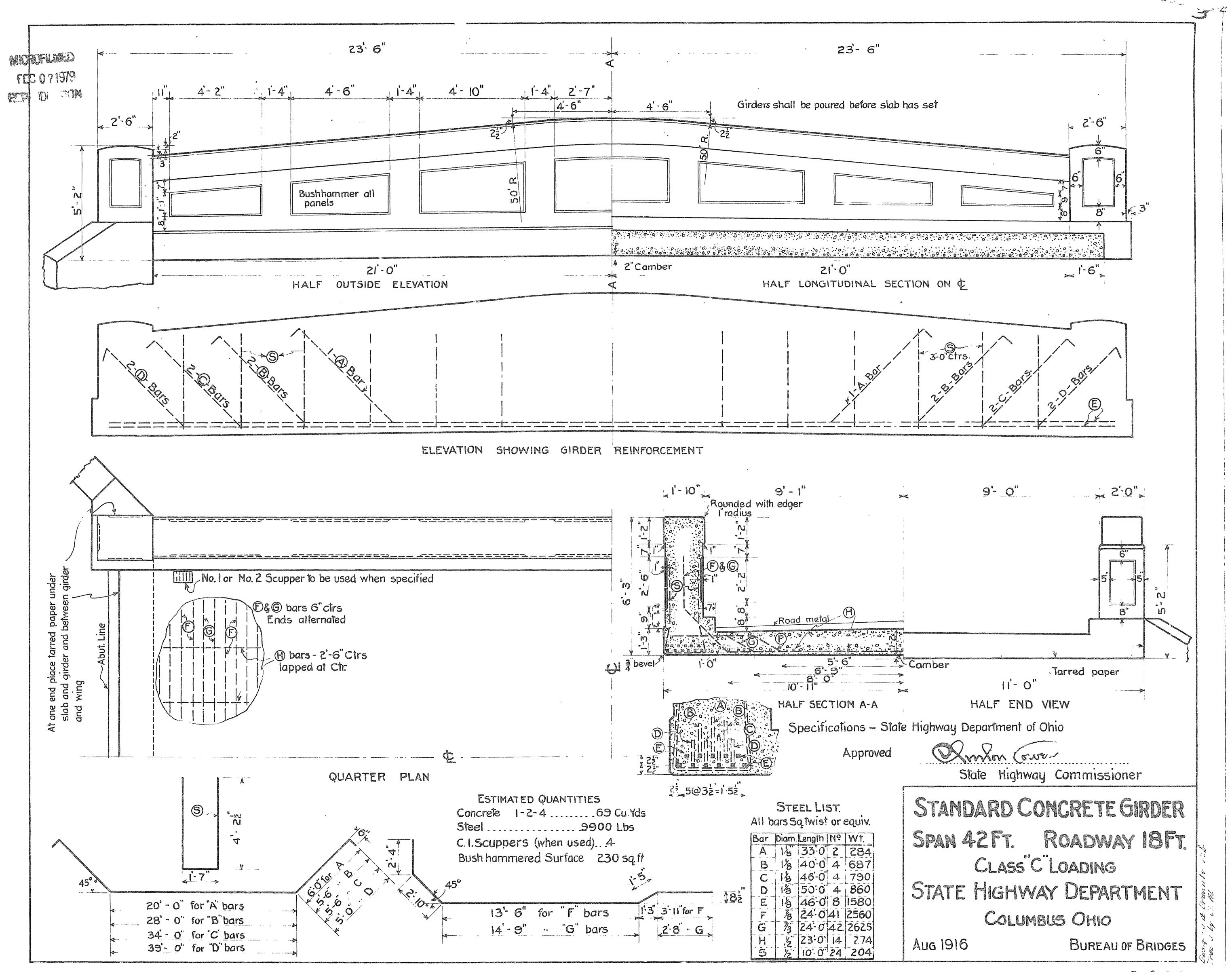


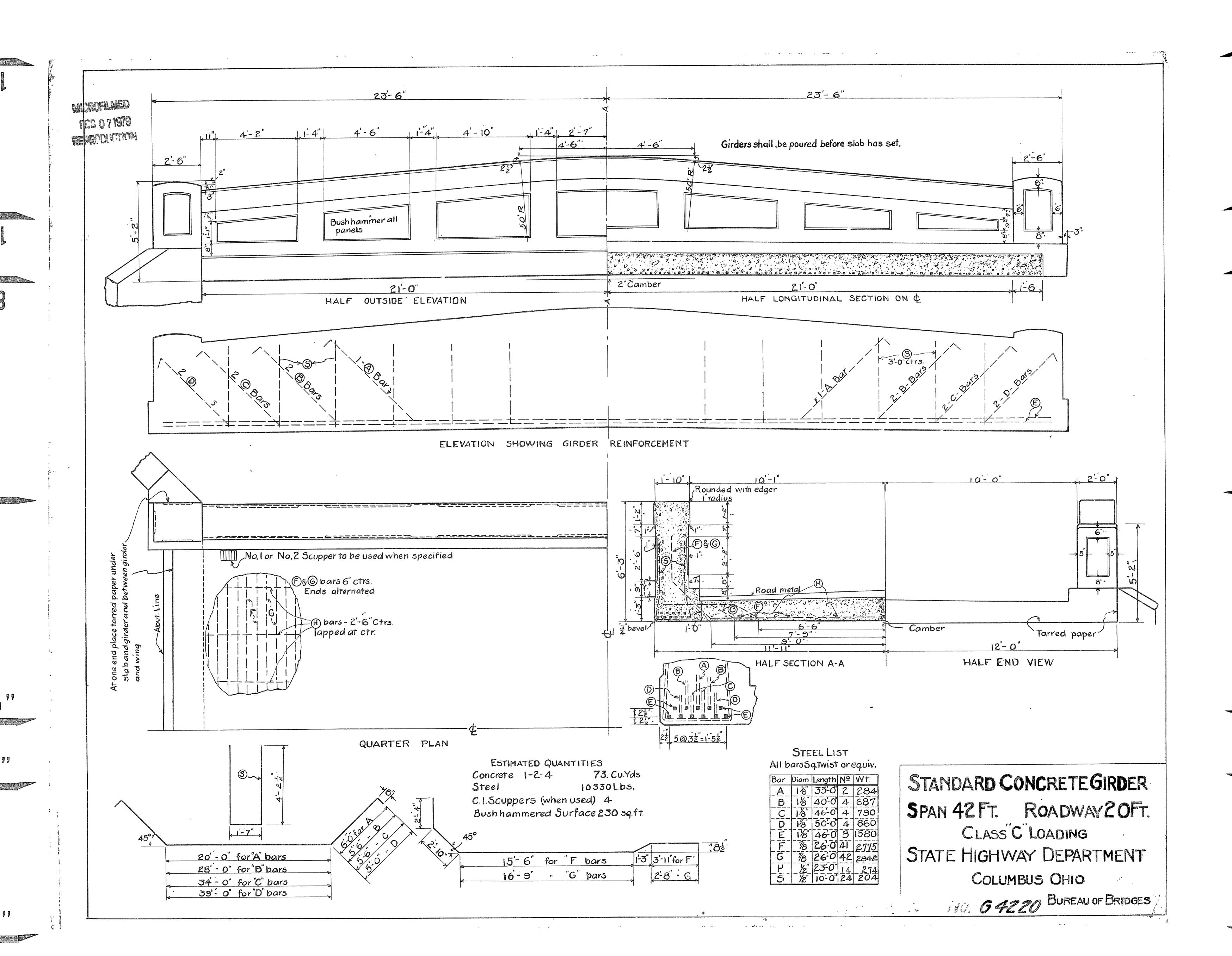
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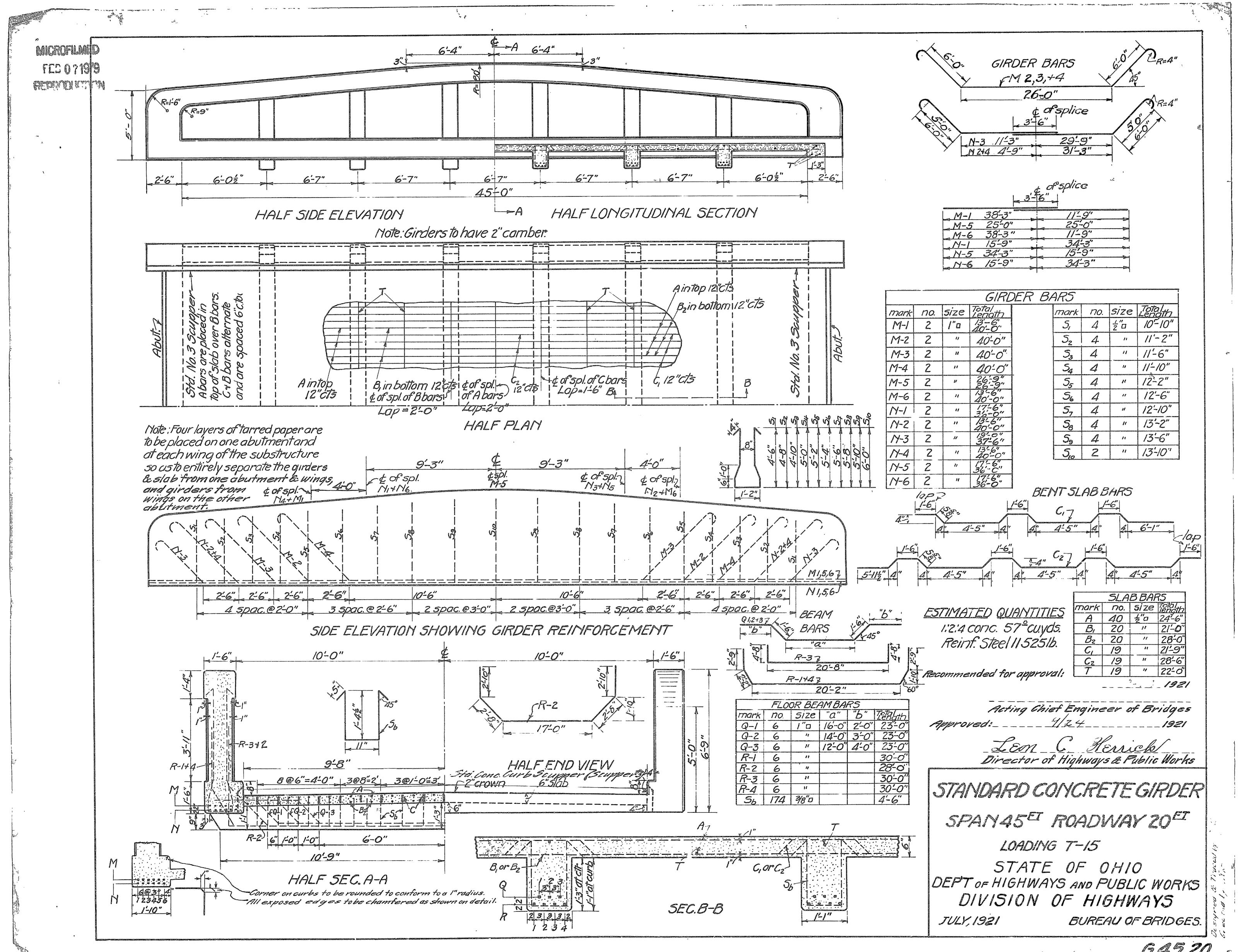


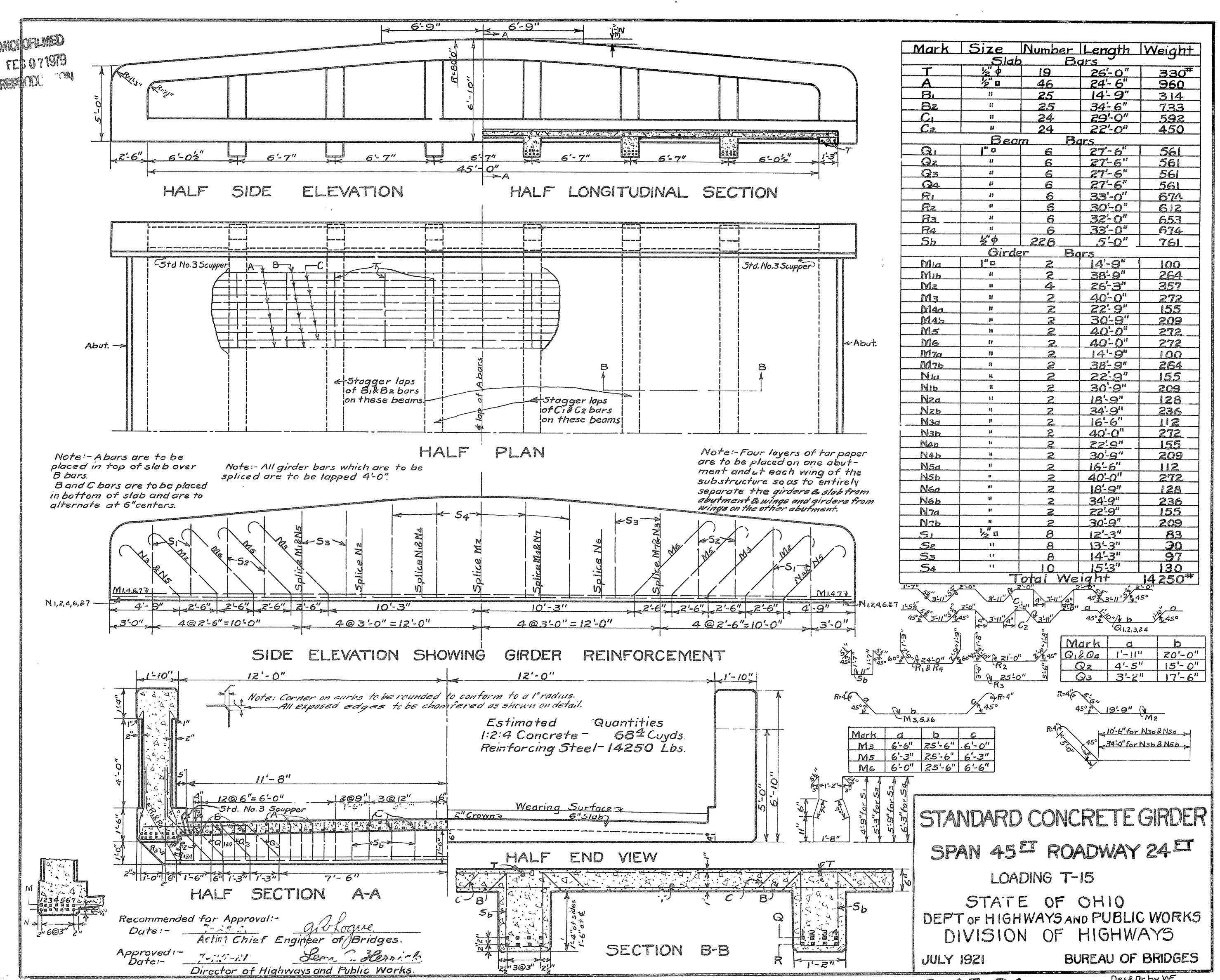


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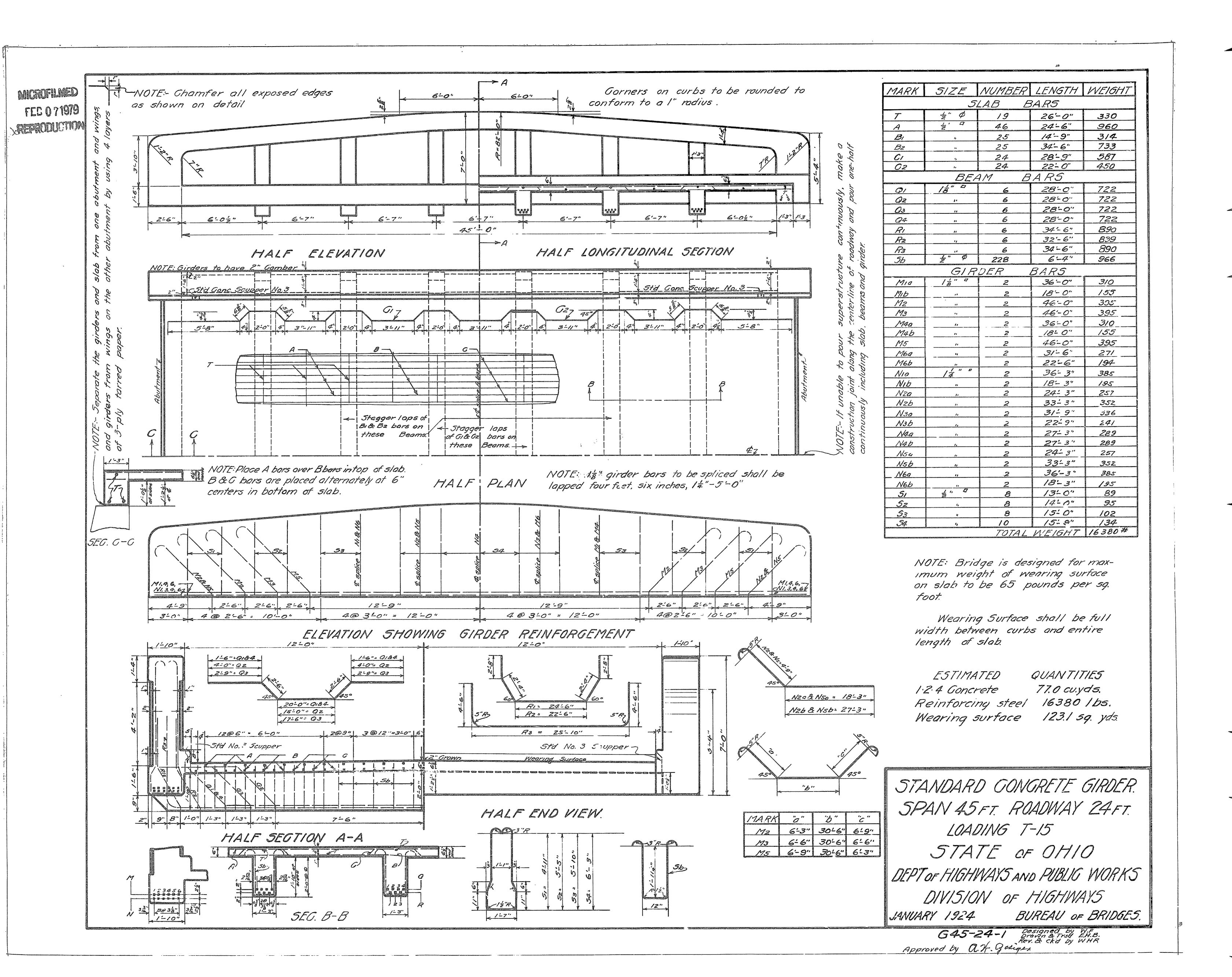
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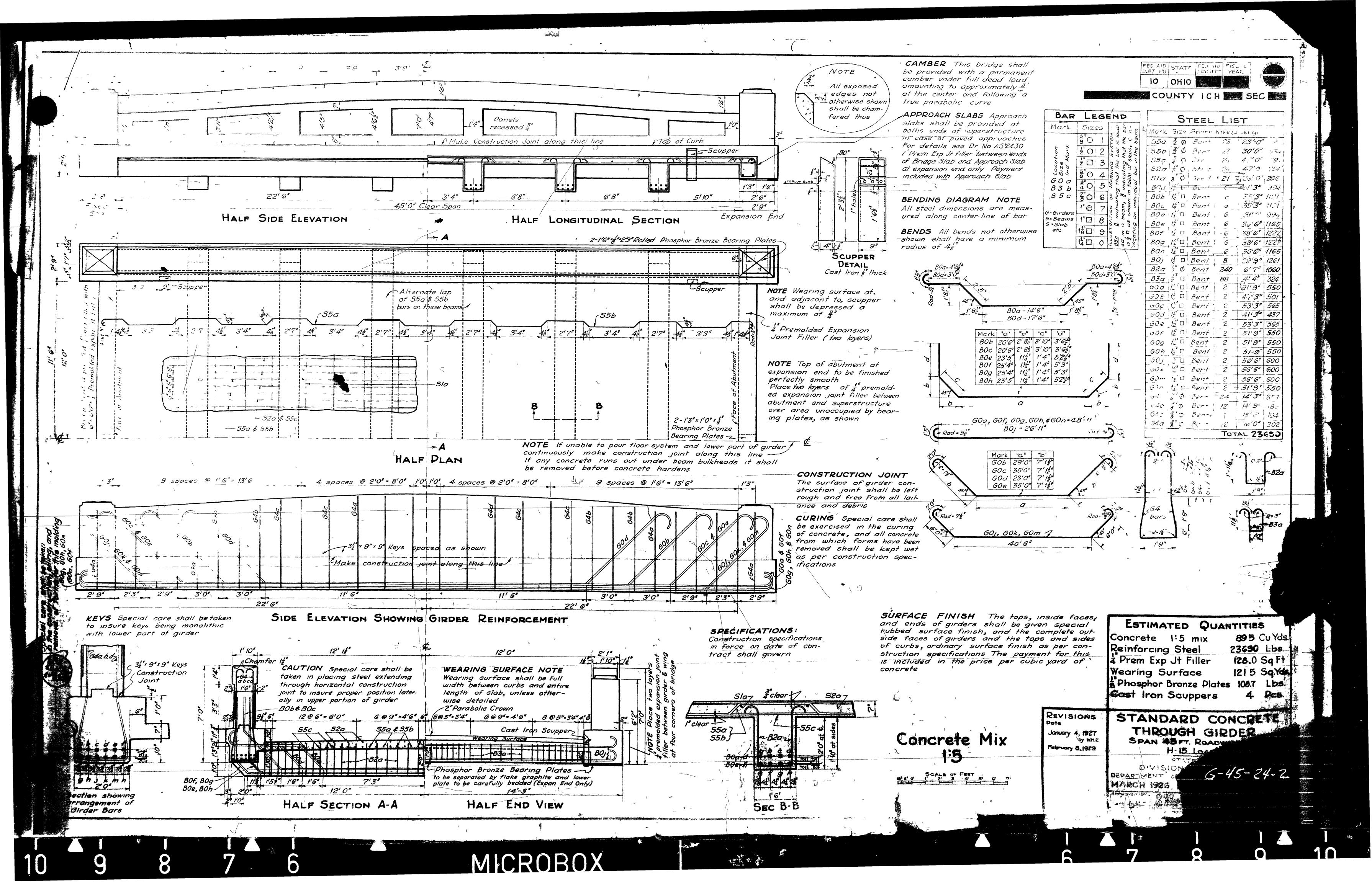
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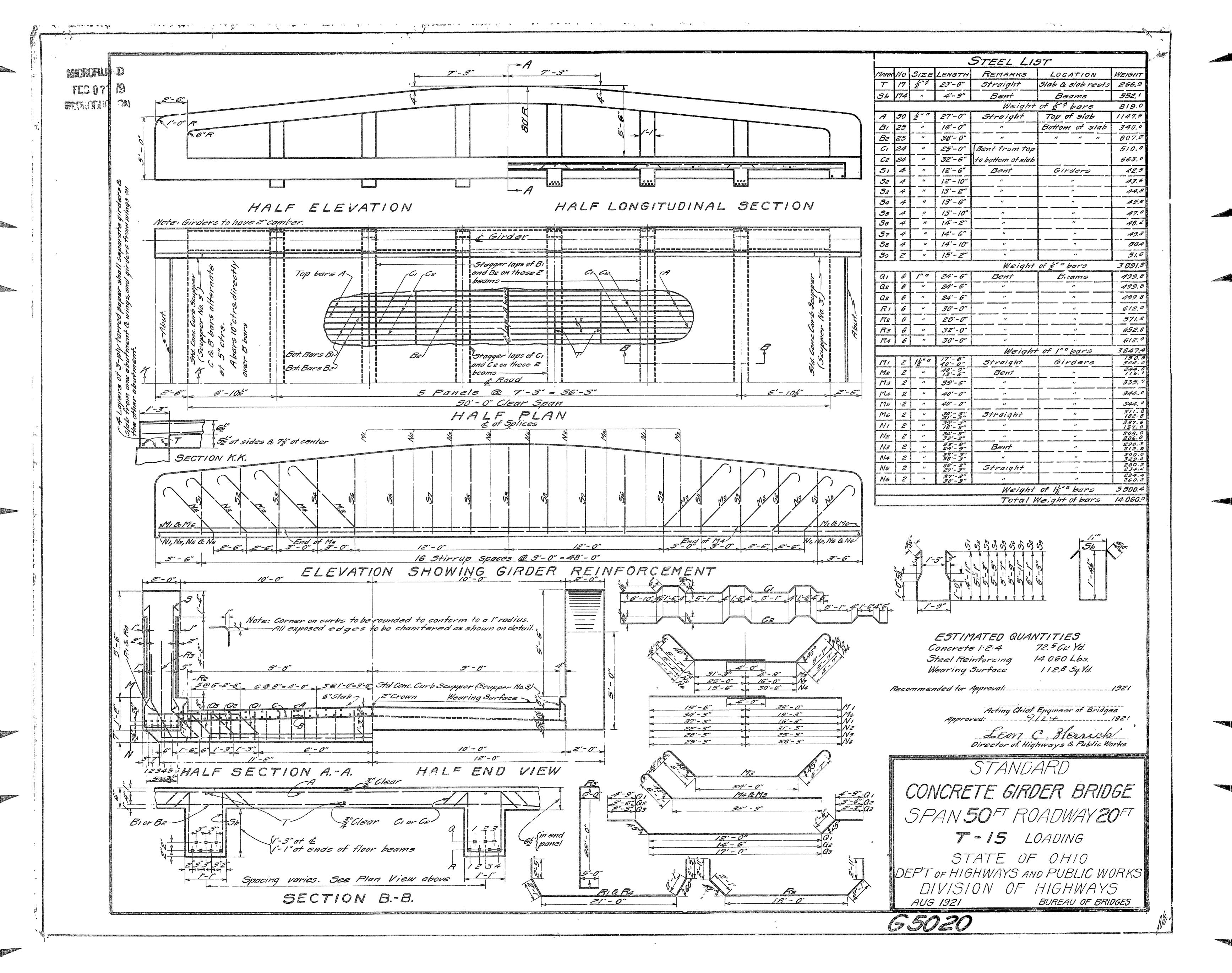




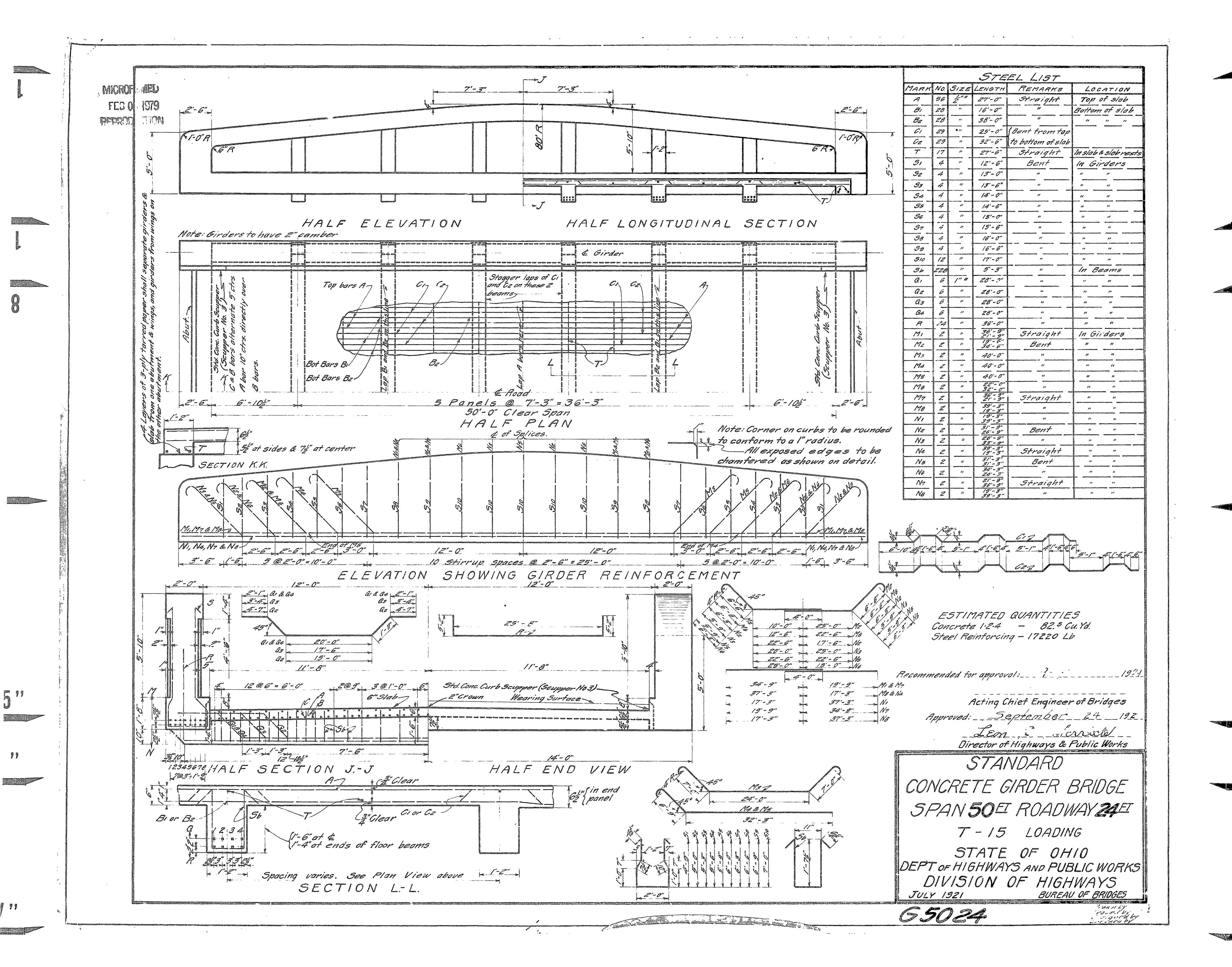
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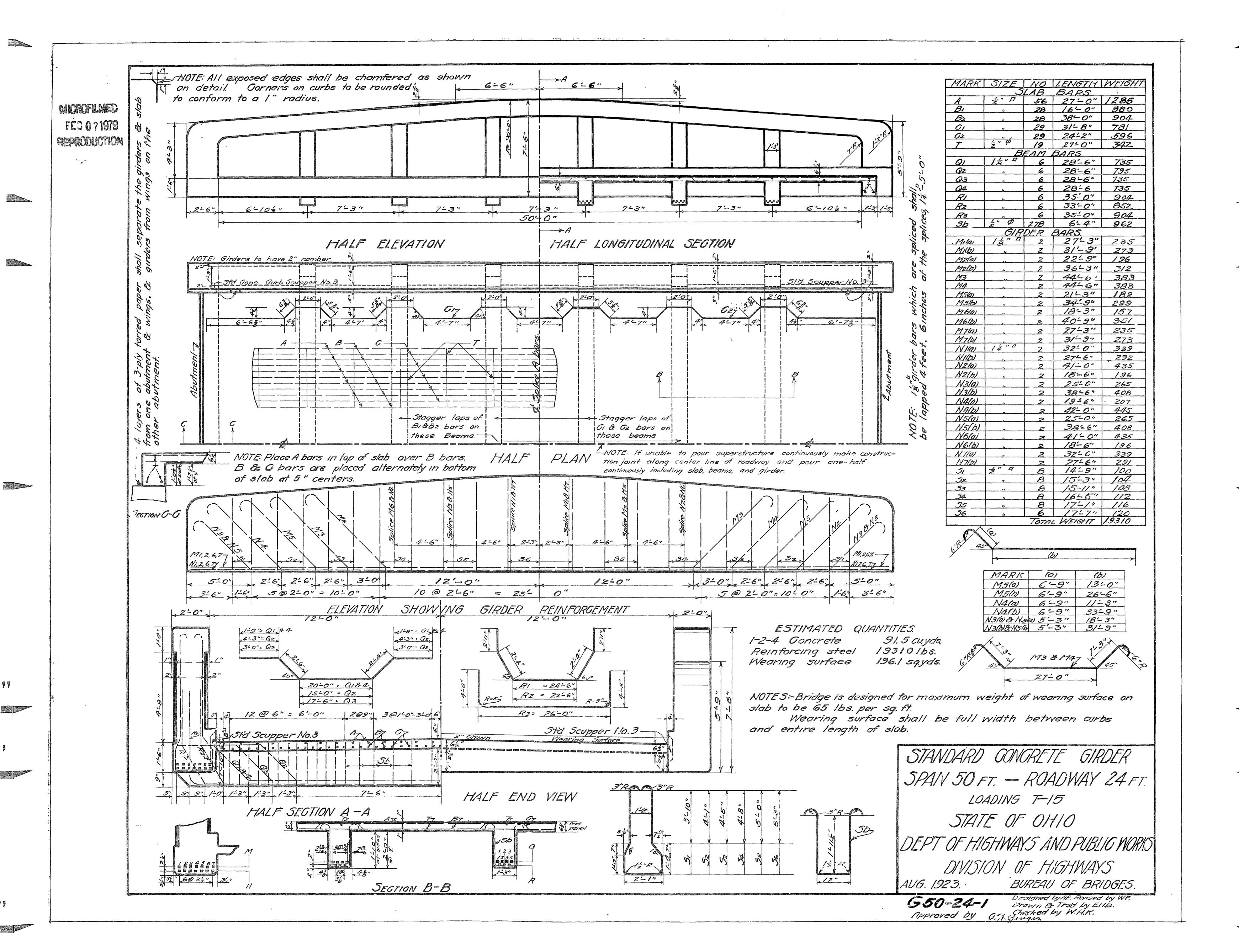


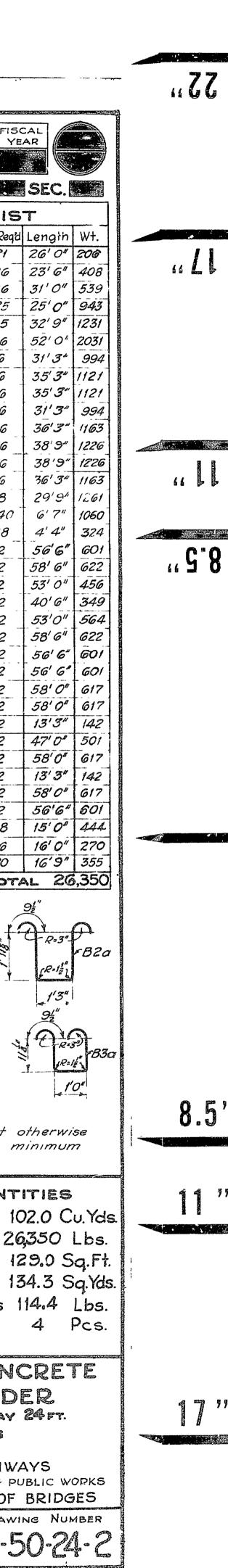


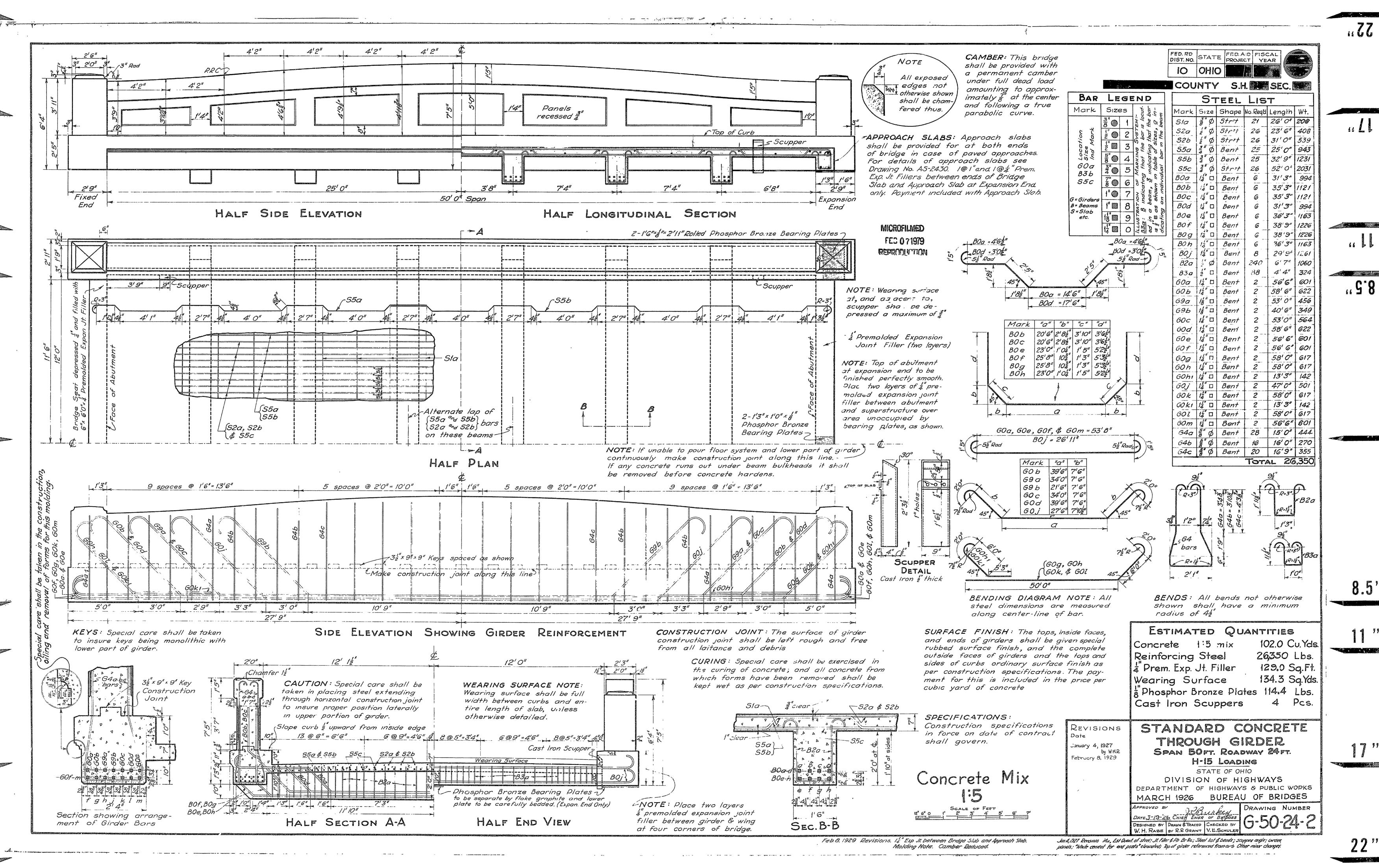


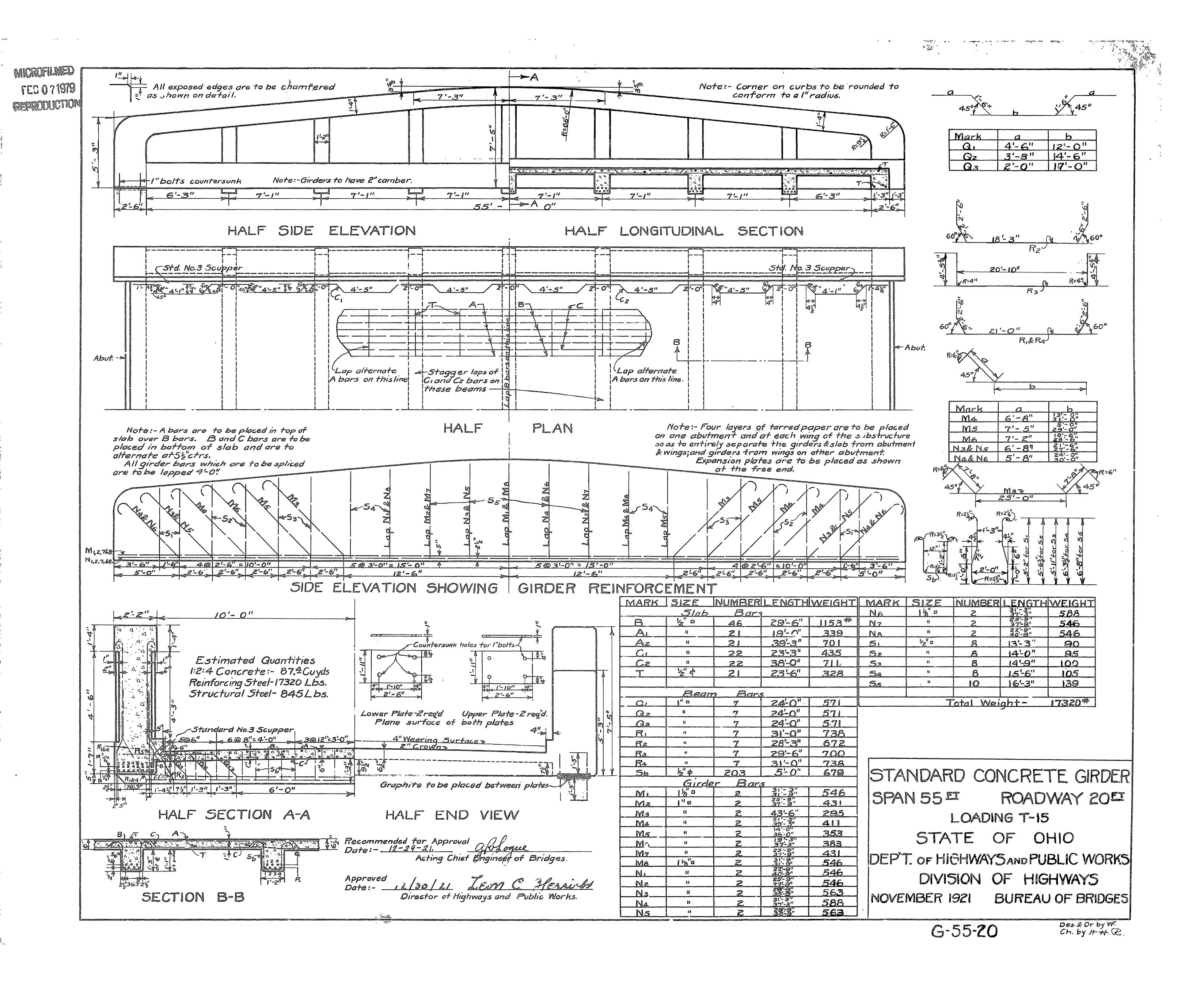
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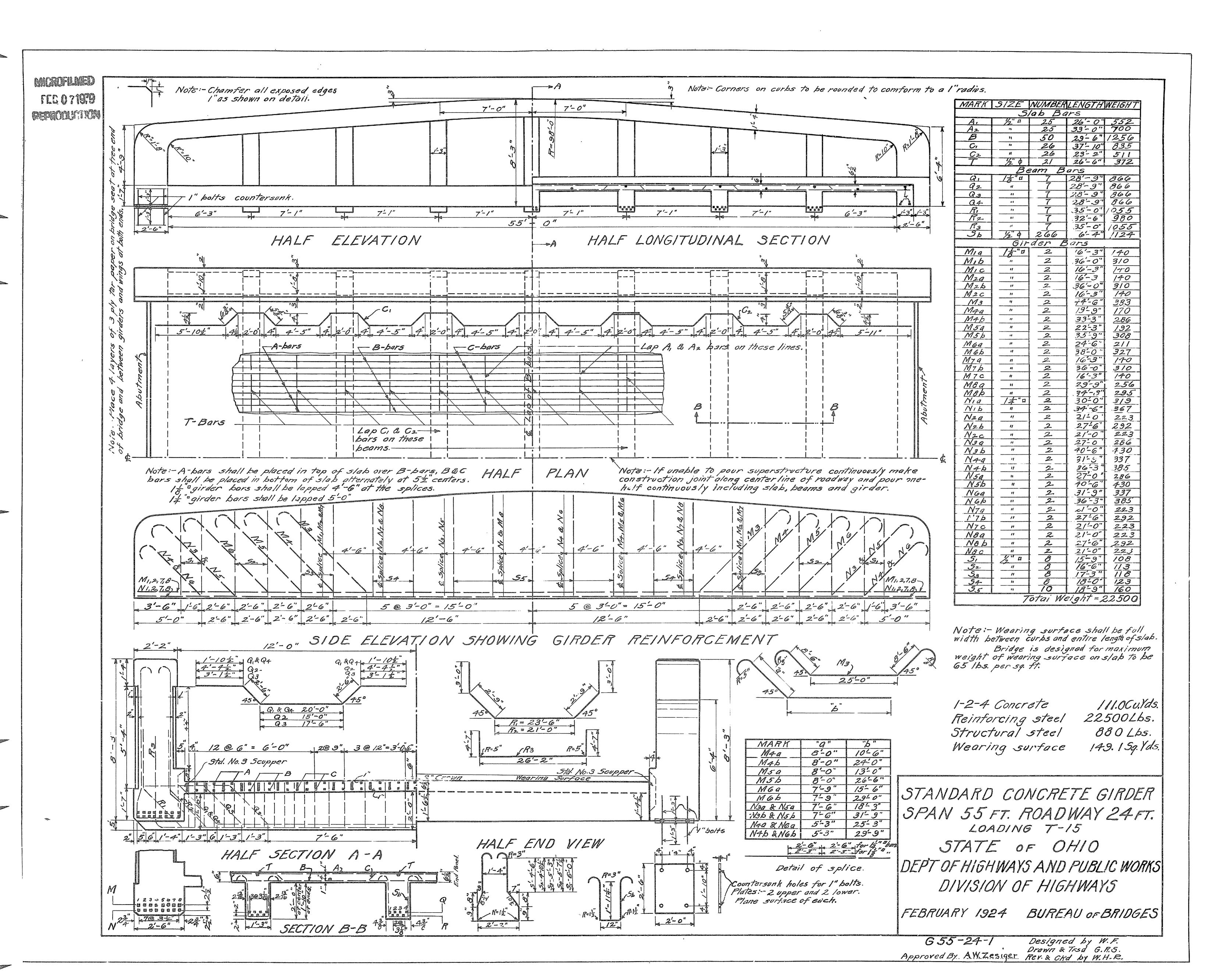


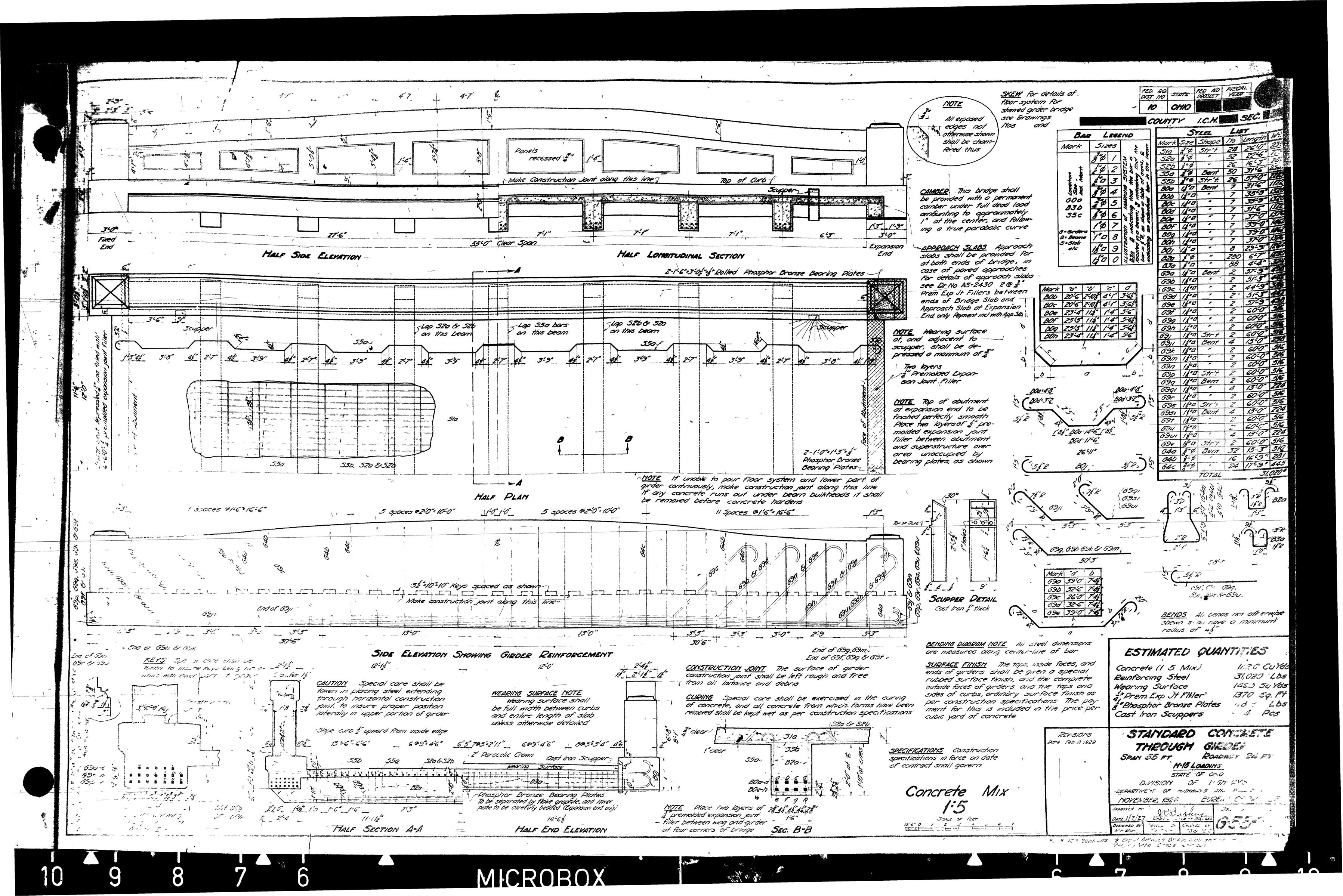
All exposed edges edges are to be chamfered as shown on detail. Note:- Corner on curbs to be rounded MARK SIZE NUMBERILENGTHWEIGHT FA 7'-3" to conform to a l'radius. Slab Bars FEC 071979 29'-6" | 1253# 15'-6" 329 43'-9" 1015 23'-6" 519 38'-6" 27-6" Note: - Girders to have 2 "camber -1"bolts countersunk Beam Bars 2'-6" 28'-6" 678 28'-6" 678 Qz28'-6" 678 HALF LONGITUDINAL SECTION SIDE Expansion plates are to be HALF ELEVATION 678 placed as shown at free end. 34'-0" 809 30'-6" 726 32'-6" 5+d. No.3 5cuppor 774 5td. No. 3 Scupper 34'-0" 450 4'-1" 6 450 12° 0 266 **5**b 5'-0" 888 45° \$ 8"4'-6" Girder Bars 432 432 357 MAbut. 415 Abut 432 - Stagger laps of S Stagger laps of Bill B2 bars on 4.32 546 these beams. these beams. 546 568 Note:-Four layers of tarred paper are to be placed on one abutment and at each wing of the substructure so as to entirely separate the girders & slab from abutment & wings and girders from wings on other Note:-A bars are to be placed in top of slab over Bbars. 546 HALF: PLAN B and C bars are to be placed in bottom of slab and are 565 to alternate at 5½"ctrs. 568 N7 All girder bars which are to be spliced are to be 546 546 Ns 10'-9" 11'-0" 75 52 11'-6" 53 12'-0" 82 54 12'-6" 85 55 Total Weight **20095*** 5@3'-0"=15'-0" 1-6" 3'-6" 5@3'-0" = 15'-0" 4@2'-6"=10'-0" 4@ 2'-6"= 10'-0" 12'-6" 2'-6" 2'-6" 2'-6" 3'-6" 2'-6" 2'-6" 2'-6" 2'-6" 5"-0" 12'-6" SHOWING GIRDER REINFORCEMENT SIDE ELEVATION Mark 19'-0" 2'-10" 12'-0" 15'-0" 4'-10" 3'-10" 2'-10" 17'-0" CJ3 19'-0" tersunk holes for I"bolts -R=675X Estimated Quantities 25'-0" 1:2:4 Concrete: 100.5 Cuyds. Reinforcing Steel:-20095 Lbs. Structural Steel: 940 Lbs. Mark 20'-0" 6'-11" M4&M6 7'-8" Plate-2 regid. Upper Plate-2 regid Plane surface of both plates. M5 Lower Plate-Z regid. 12@9" 1 3@12" 12@6"=6'-0" 7'-5" <u>6'-11'</u> Na& N7 2"Crows * Surface 7 5+d. No.3 Scupper 5'-5" N4& N6 ALS CINCOLOR CONTROL OF CONTROL O STANDARD CONCRETE GIRDER. Graphite to be placed between plates -24'-0" R, & R4) ROADWAY 245 SPAN 55ET 3 1'-6" 6" 1'-3" 1'-3" 7'-6" END VIEW SECTION A-A HALF LOADING T-15 1450 A) C) To STATE OHIO Recommended for Approval Date:-DEP'T OF HIGHWAYS AND PUBLIC WORKS Acting Chief Engineer of Bridges DIVISION OF HIGHWAYS Approved
Date:-_ BUREAU OF BRIDGES NOVEMBER 1921 Director of Highways and Public Works. SECTION B-B

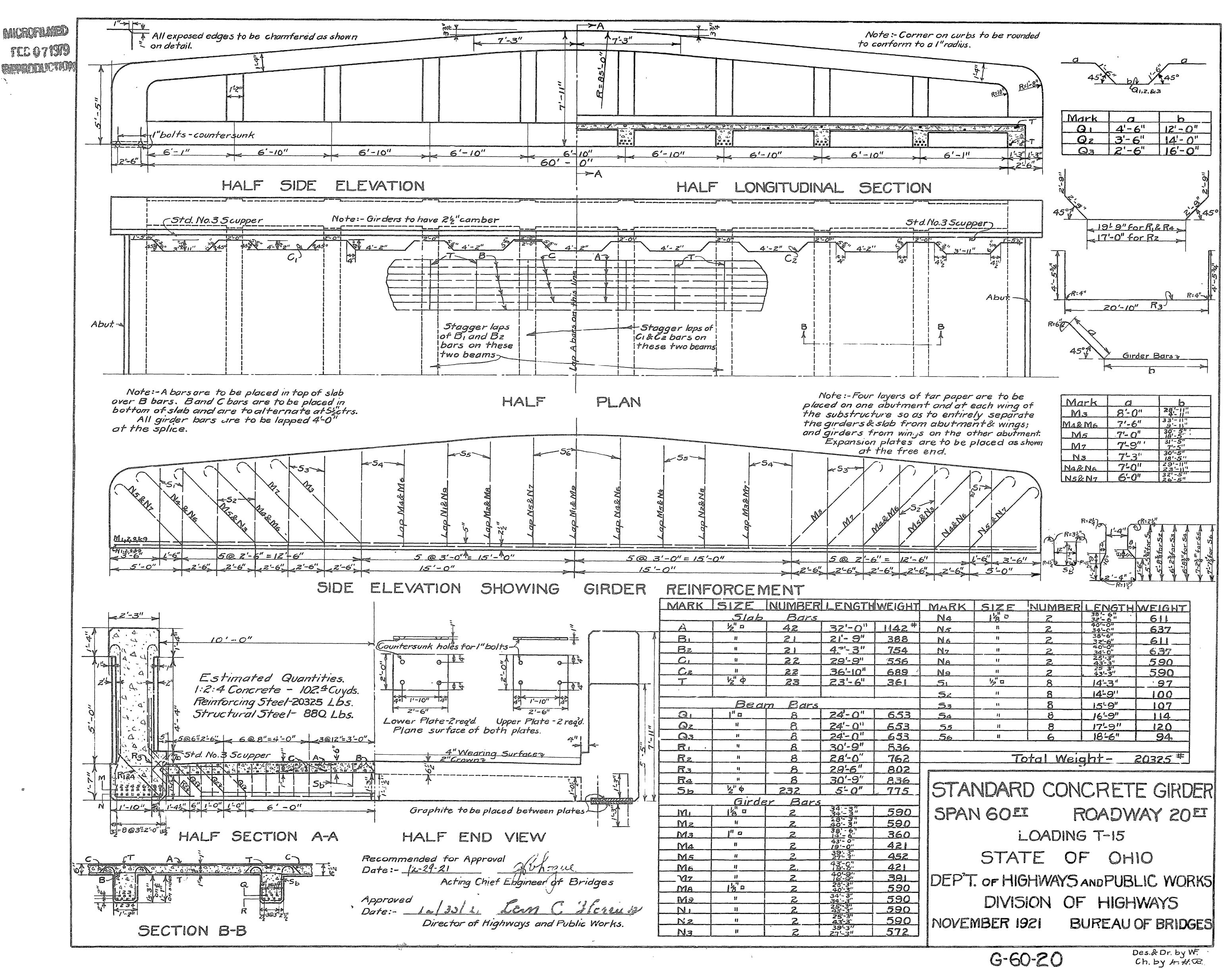
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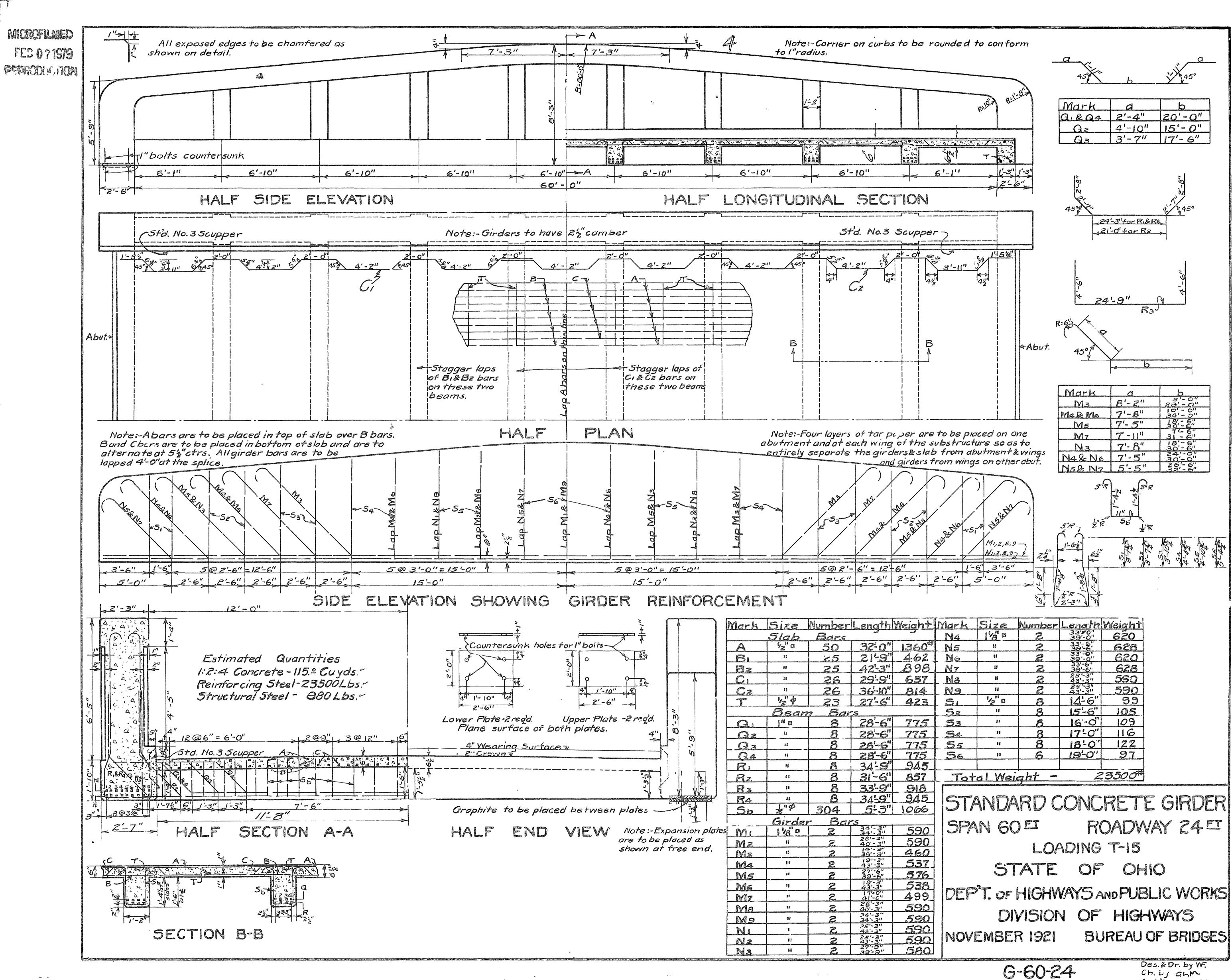
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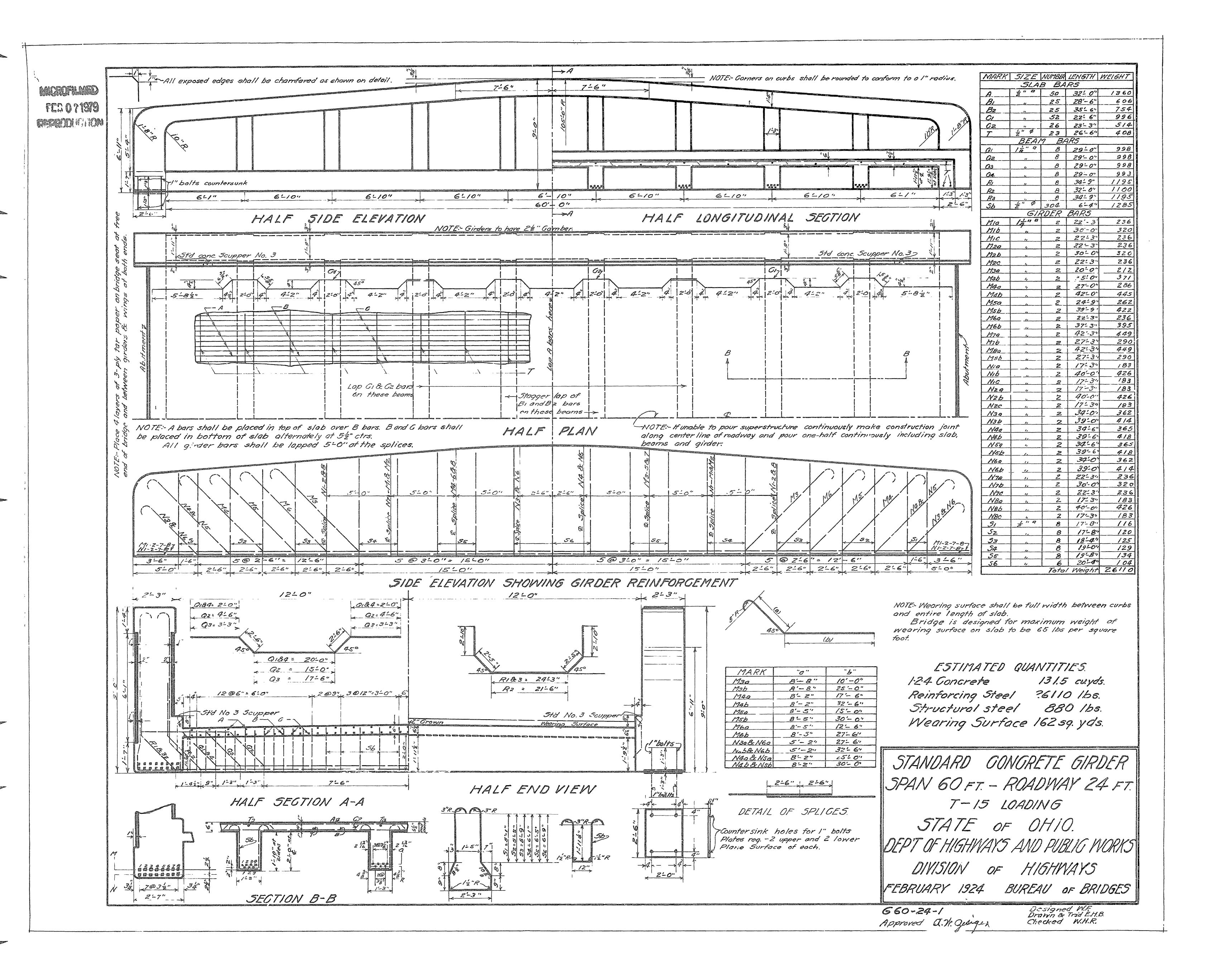






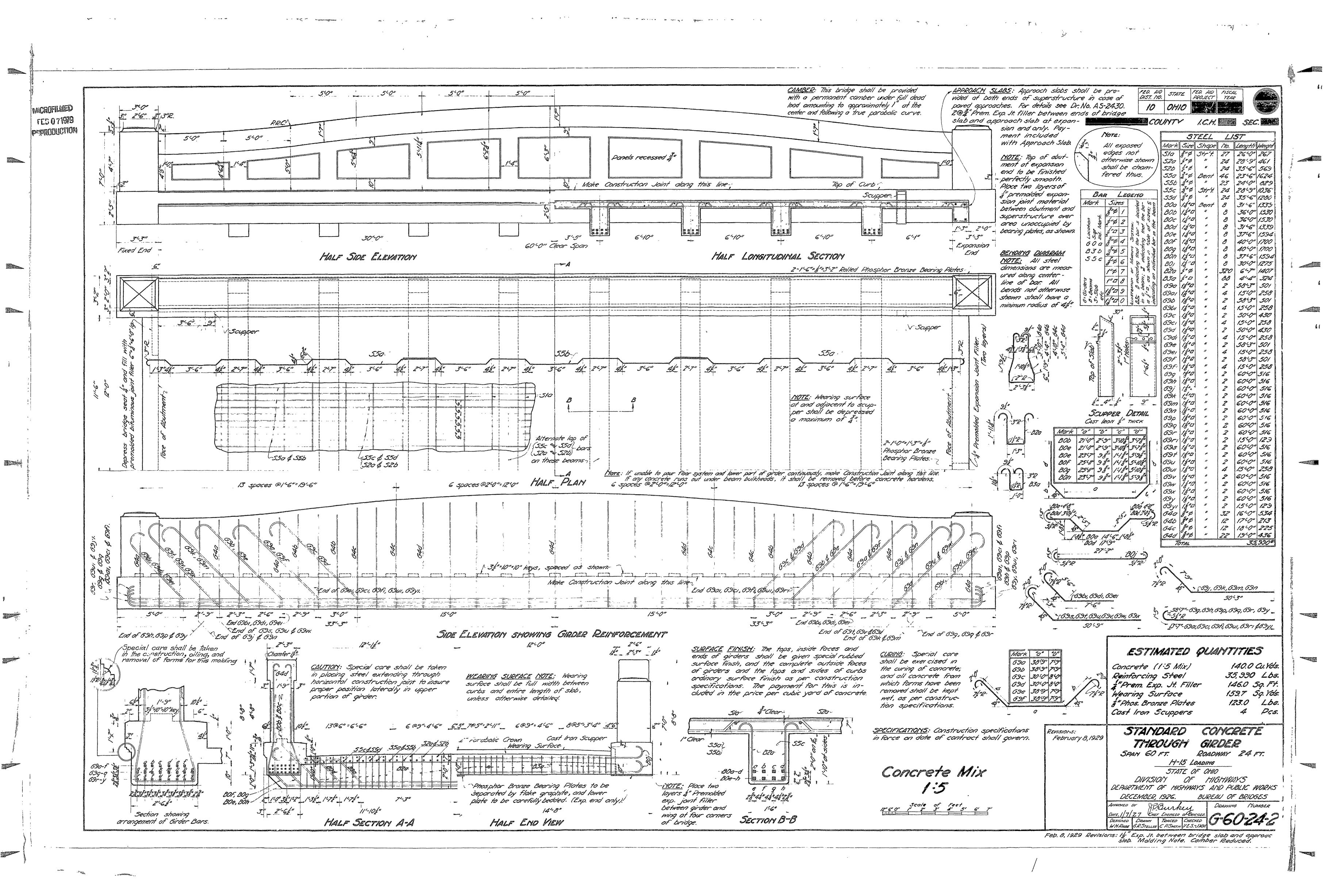
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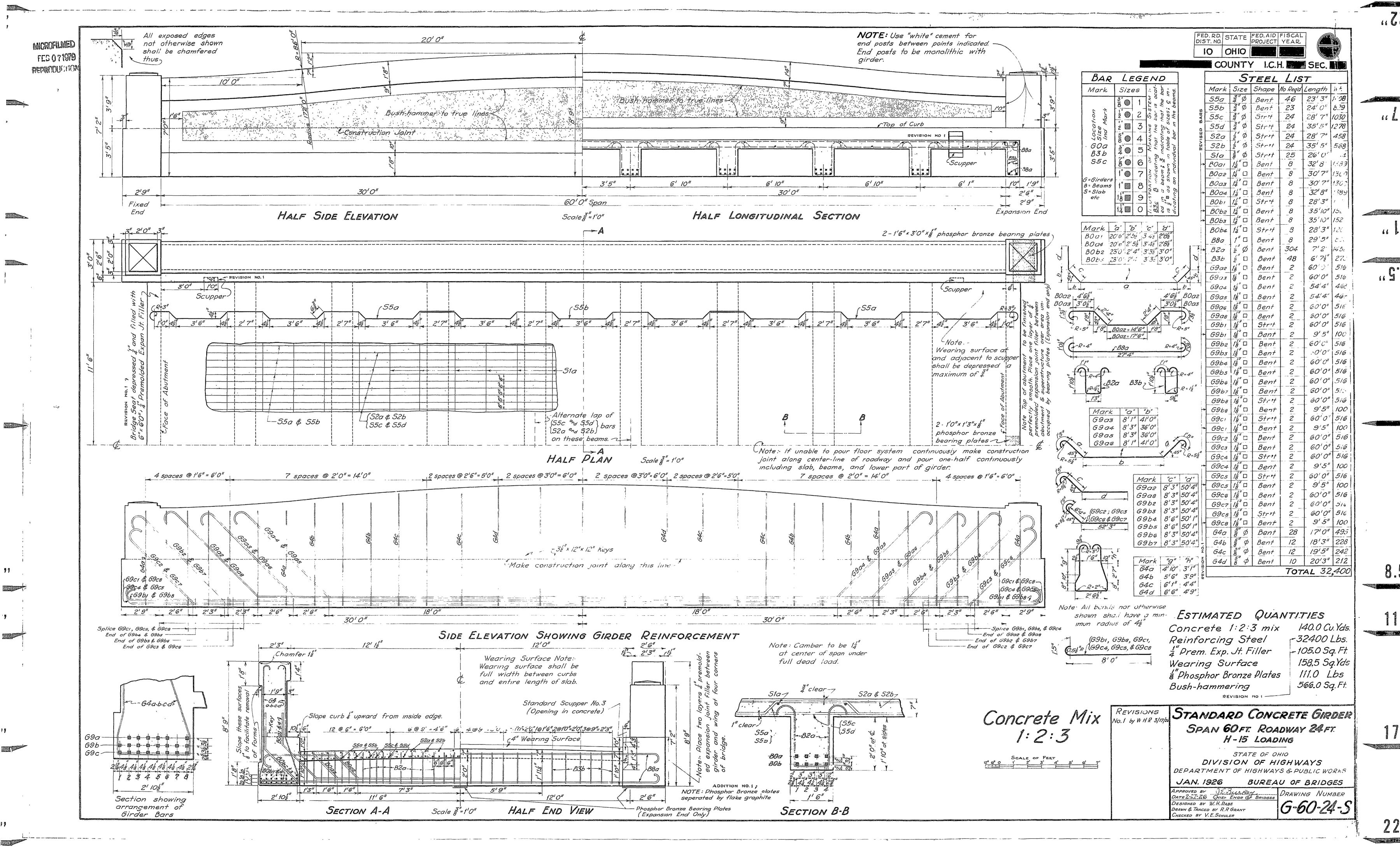
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