Splice
1 PL 18"×3/8" × 1'-0½" (1) pax
2 Ls 8"×8"×3/8" × 3'-0¾" (2) pdc
Cut to 7½"×7½"×3/8"

End Stiffs + Fills
1 L 8"×8"×3/8" × 3'-0" (1) eb & f N.S.
1 L do × 3'-0" (1) ecb F.S.
1 L 4"×6"×3/8" × 4'-11½" (1) aba N.S.
1 L do × 4'-11½" (1) abb F.S.
2 Fills 7"×3/8" × 3'-8½" (2) fab
1 PL 18"×3/8" × 5'-0" (1) Bent
3'-3"×5/16" × 0'-7¾" (1) ak
do × (1) aim

Shell Ls Ga. 0.S. Legs 2"
Spa. Rivs Abt 6". Spa. Hls. Abt 1'-0"
1 L 32"×3½"×5/16" × 1'-1" (1) add
1 L do × 1'-8¾" (1) ade
1 L do × 1'-7¾" (1) adf
1 L do × 2'-2" (1) adk
1 L do × 2'-2" (1) adm
1 L do × 4'-8" (3) a v
1 L do × 3'-10" (1) aae
1 L do × 0'-9" (1) aaf
1 L do × 4'-0" (1) aak
1 L do × 4'-6" (2) aae
1 L do × 2'-1" (1) aap
1 L do × 1'-4" (1) aas
1 L do × 0'-8½" (1) aat
1 L do × 0'-6½" (1) aau

L Splice

1'-6⅞" 16@3⅜" 3@3½" 3@3⅜" 5@2½" 3½" 4@3" 4@2⅞" 4@3" 3½" 3@6" 3@3⅜"-1'-10½" 4½" 6@3⅜"-1'-9¾" 9@3¾"-2'-9¾" 4½" 12@4½"-4'-3" 4½" 4½" 9@5"-3'-9" 5¼" 5¼" 4½" 5¼" 5¼" 9@5"-3'-9" 4½" 12@4½"-4'-1½" 4½" 8@3⅝"-2'-5" 7@3½"

50'-6"

1 PL 18"×½"×48'-3¾" (1)

2'-2¾" 10" 1'-0¾" 2'-1½" G 1'-11 13/16" 2'-6" 2'-6" 5'-0" 5'-0" 5'-0" 1'-11/16" 1'-1⅛" 2'-6" 5'-0" 4'-10" 4'-10" F

2 Ls 8"×8"×⅜"×47'-1½" (2)
1 Web PL 60"×⅜"×29'-11⅛" (1)
2 Ls 8"×8"×⅜"×50'-6½" (2)
1 Web PL 60"×⅜"×20'-5¾" (1)

RV. spc abt 9" c c
Cut away 3½" Leg of far L at all Points "B"

Shell Ls Ga. 0.S. Legs 2"
Spa. Rivs Abt 6". Spa. Hls. Abt 1'-0"

3½" 3½" 3½" 3½" 6@2'-1·3" 3½" 3½" 3@3½" 3½" 4@2⅞" 4@3" 3½" 6@3⅜"-1'-10½" 4½" 6@3⅜"-1'-9¾" 9@3¾"-2'-9¾" 4½" 12@4½"-4'-3" 4½" 4½" 9@5"-3'-9" 5¼" 5¼" 4½" 5¼" 5¼" 9@5"-3'-9" 4½" 12@4½"-4'-1½" 4½" 8@3⅝"-2'-5" 7@3½"

4'-11 13/16" 5'-0" 5'-0" 5'-0" 5'-0" 5'-0" 5'-0" 4'-10" 4'-10"

4'-7" 1 PL 15"×1"×1'-5" (1) pap

50'-6"

1 PL 18"×½"×31'-4¾" (1) ord 31'-6"

1 Girder 10 G 1 B
Camber ½"

8@3½"-2'-2" 8@3"-2'-0" 4½" 3" 3@4½"-1'-10½" 3½" 3" 8@5½" 2@5¾" 4½" 5/16" 3½" 2½"

4'-10" 2'-5" 2'-5"

End Stiffs + Fills
1 L 4"×6"×⅜" × 4'-11½" (1) sau N.S.
1 L do × 4'-11½" (1) saw F.S.
1 L do × 4'-11½" (1) sax N.S.
1 L do × 4'-11½" (1) say F.S.
1 L 32"×5"×⅜" × 4'-11½" (1) saz N.S.
1 L do × 4'-11½" (1) sba F.S.
2 Fills 17¾"×⅜" × 3'-8½" (2) fbc.

4'-10" 8@3½"-2'-2" 8@3"-2'-0" 4½" 3" 10@2½"-1'-10½" 3½" 3" 4@2⅞" 4@2⅞" 4½" 5/16" 4½" 2½"

4'-10" 4'-10"

1'-2¾"

1 PL 18"×1"×1'-6" (1) pas plane

Note
There holes to be subpunched ¾" small & reamed in field after erected.

End View

Sect "C"
Sect K Similar

Sect @ A

Sect @ B

Sect G

Note:
No Paint on + below these lines full length of Girder except one coat to cover beam camp. + one coat on ends of Girders. Surfaces in contact + Centerline

Sect @ F

Sect H

Note!
All Stiffeners to bear on bottom flg Ls
Surfaces in contact 1 Coat Paint
All Floor Beam connections subpunched ¾ small and reamed to size

{1 PL 13"×⅜"×3'-2½" (15) pa}
Ord. 20" Cut @
2 Ls 3½"×3"×⅜"×0'-6½" (10) dc
2 Ls 3"×3½"×⅜"×2'-11⅞" (10) ad
2 L 4 3"×3"×5/16"×0'-11" (10) ae
1 Fill 3"×⅜"×0'-8" (5) fbv
2 Ls 3"×3½"×5/16"×0'-9¾" (10) f BS.
1 Fill 3"×⅜"×0'-5" (5) fax
1 " 3½"×⅜"×0'-3½" (5) fay

WISCONSIN BRIDGE & IRON CO.
NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199 ERECTED BY W.B.&I. Co.
FOR City of Detroit Mich. Dept. of Public Works
LOCATION Vermont Ave + M.C. R.R. Detroit.
DESCRIPTION Highway Viaduct
DETAILS OF Girder
SPECIFICATIONS Mich State Highway REAMING
INSPECTION BY Pittsburg Testing Lab.
SHOP PAINT 1 Coat Red Lead Per Specifns. see Note.
FIELD PAINT By Others.
RIVETS ¾ OPEN HOLES 13/16 EXCEPT AS NOTED
MADE BY W.L. Gibson DATE 10-15-20
TRACED BY A.E. DATE 10-26-20
CHECKED BY DATE

SCALE ¾" = 1'-0" | SECTION | DATE REVISED | CONT. NO. | SHEET NO. 10

9199