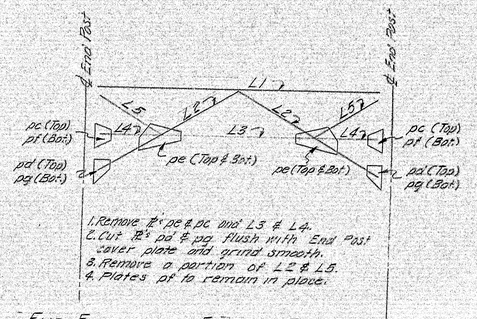
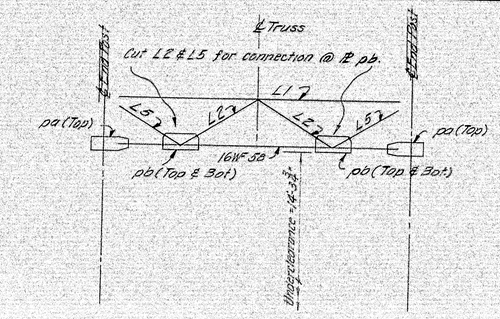


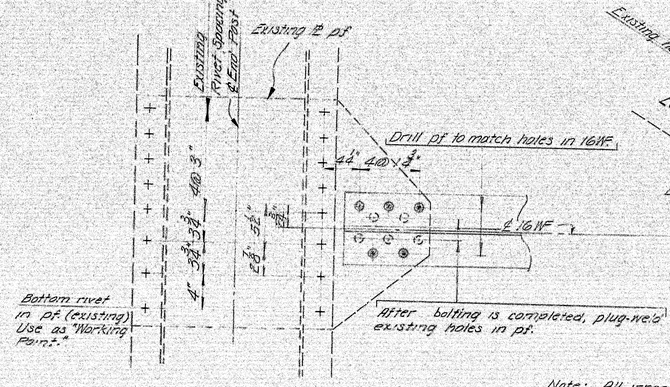
1. Remove ℄'s pe & pc and L3 & L4.
2. Cut ℄'s pd & pg flush with End Post cover plate and grind smooth.
3. Remove a portion of L2 & L5.
4. Plates pf to remain in place.

END ELEVATION - EXISTING PORTAL BRACING

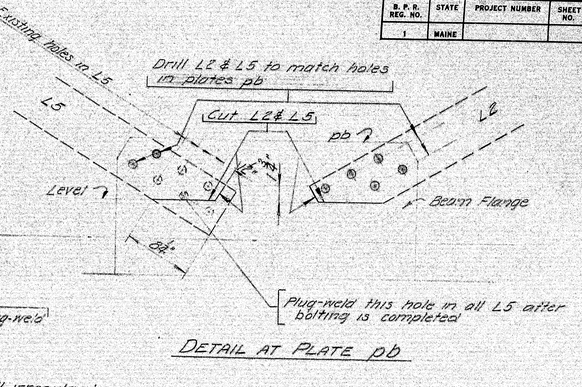
Note: Before L3 & L4 are cut free, the End Posts shall be strutted and tied to prevent any lateral movement.



END ELEVATION - REVISED PORTAL BRACING

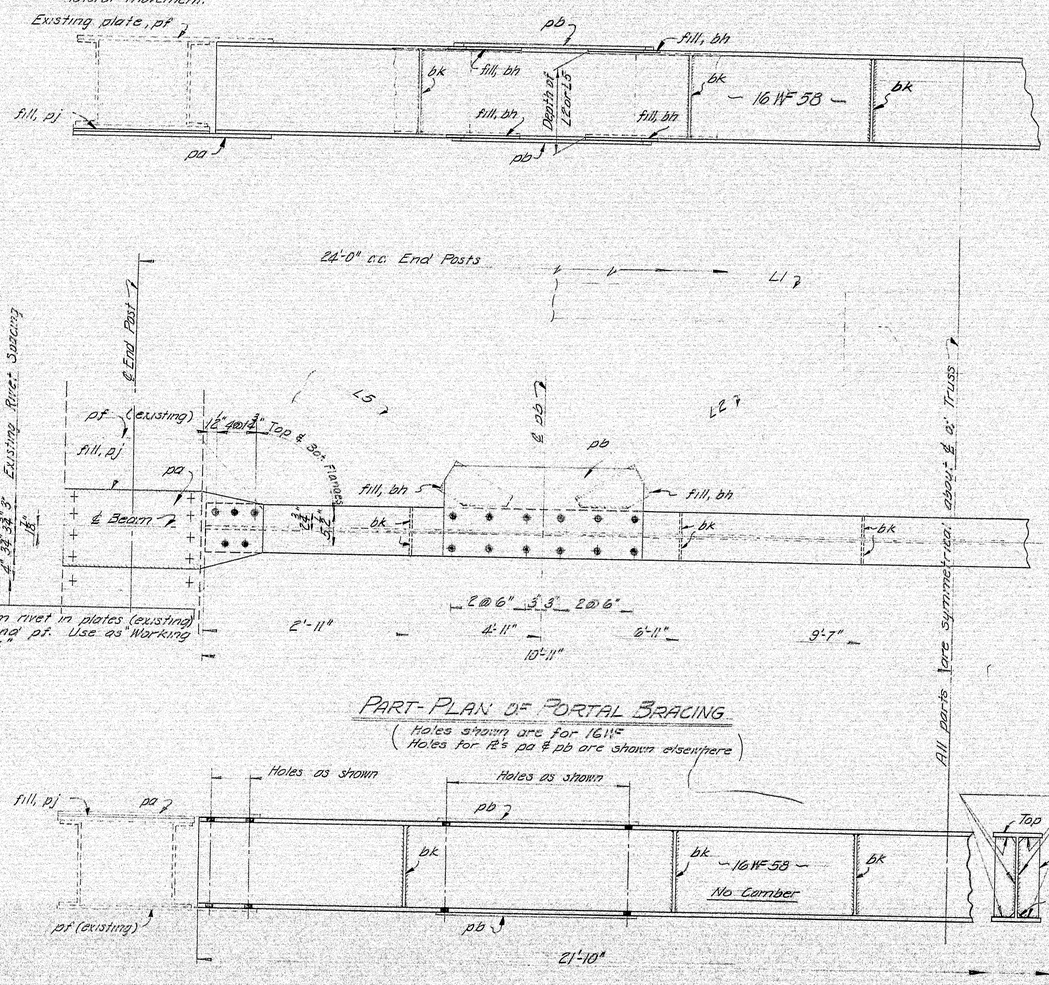


DETAIL AT PLATE pf



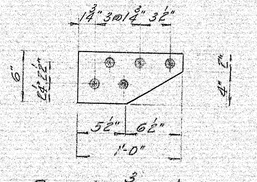
DETAIL AT PLATE pb

Note: All irregularities, such as excess paint, and all rust and scale shall be removed from contact surfaces before connections are made.

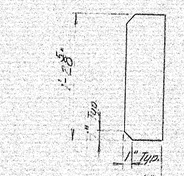


16 WF 58 x 21'-10"
Reqd - 1 (as shown)

℄ 16½ x ⅜ x 2'-9½" pb
Reqd - 4

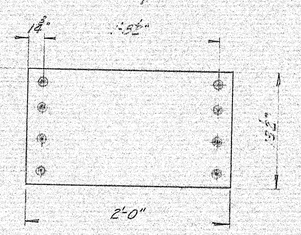


Bar 6 x ⅜ x 1'-0" bh
Reqd - 8



Bar 4 x ⅜ x 1'-2⅝" bk
Reqd - 12

℄ 13½ x ⅞ x 2'-11" pa
Reqd - 2



℄ 13½ x ¼ x 2'-0" pj
Reqd - 2

STEEL WEIGHTS REQUIRED for ONE REVISED PORTAL

1	16 WF 58# Beam 21'-10" Long	—	1266.33 lbs.
2	℄'s Pa 13½" x ⅞ x 2'-11"	—	117.24
4	℄'s Pb 16½" x ⅜ x 2'-9½"	—	234.50
2	℄'s Pj 13½" x ¼" x 2'-0"	—	46.00
12	℄'s bk 4" x ⅜" x 1'-2⅝"	—	74.59
8	℄'s bh 6" x ⅜ x 1'-0"	—	30.64
	Total for 1 Portal =		1769.30

Note: Materials shown are for one portal - 4 Portals Reqd

HIGH STRENGTH BOLTS REQUIRED

110 - 2½"	all ⅞" ϕ
25 - 3¼"	
30 - 2⅝"	
165 - ⅞ x 3¾ Washers	H.S. Standard Also 25 - 1⅝" ϕ beveled H.S.W.

NOTES:

Holes: 13/16" ϕ
⅞" ϕ H.S. Bolts (field connections)
Material: Structural Steel A36
H.S. Bolts to be A325

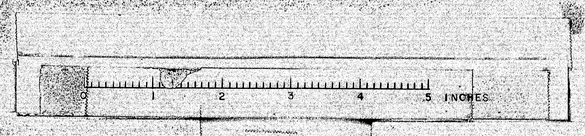
B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			

DESIGN- WHJ
TRACE- "
CHECK- Foster

BRIDGE NO. 23.95
SURVEY-
PLOT-

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

INTERNATIONAL BRIDGE
BETWEEN THE TOWNS OF
MADAWASKA, MAINE
AND
EDMUNDSTON, N.B.
PORTAL - REVISION

SHEET 1 OF 1 AUGUSTA, MAINE NOV. 1964

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