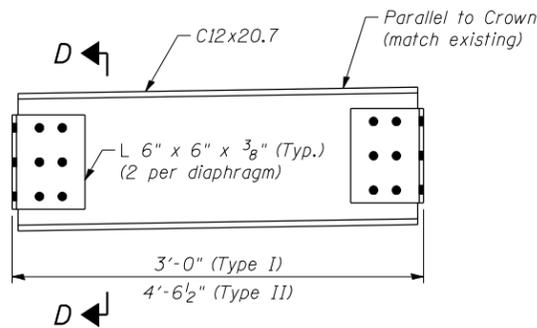
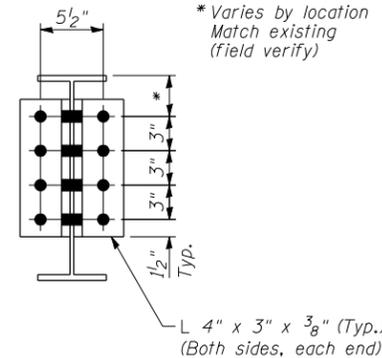


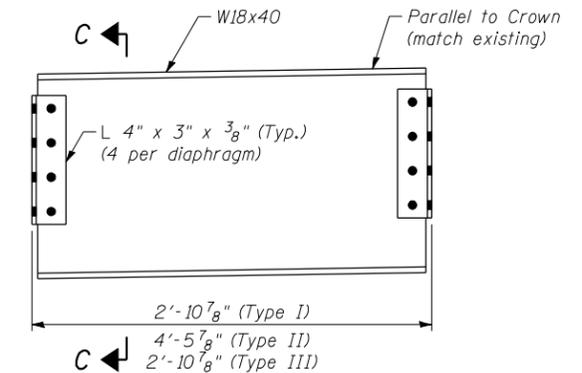
VIEW D-D
L 6" x 6" x 3/8"
(18 Required)



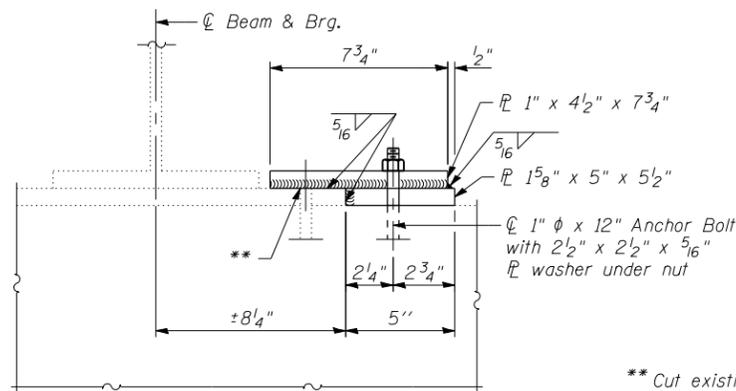
DIAPHRAGMS AT ABUTMENT AND PIER BENTS
Type I = C12x20.7 x 2'-11" (2 required)
Type II = C12x20.7 x 4'-5 1/2" (7 required)



VIEW C-C
L 4" x 3" x 3/8"
(20 Required)

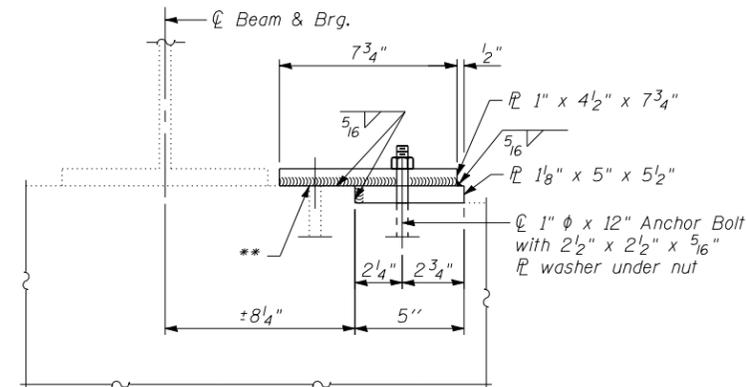


DIAPHRAGMS AT BENTS 1 AND 2
Type I = W18x40 x 2'-9 7/8" (1 required)
Type II = W18x40 x 4'-4 7/8" (1 required)
Type III = W18x40 x 2'-10 7/8" (3 required)

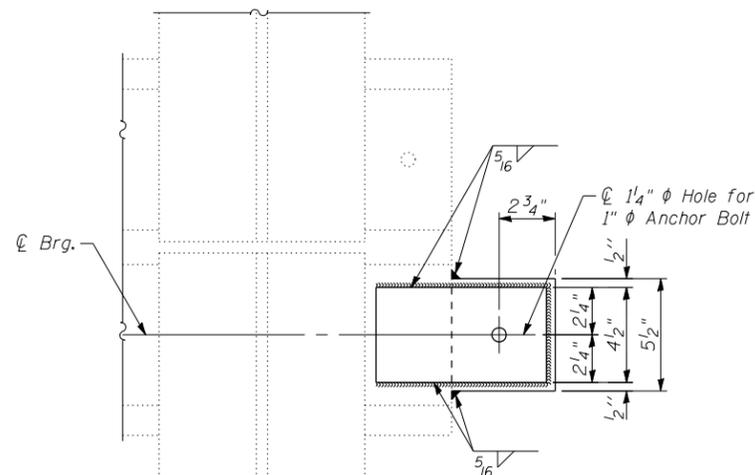


ELEVATION

** Cut existing anchor bolt flush with top of existing bearing plate. Cost included with Anchor Bolts, 1"

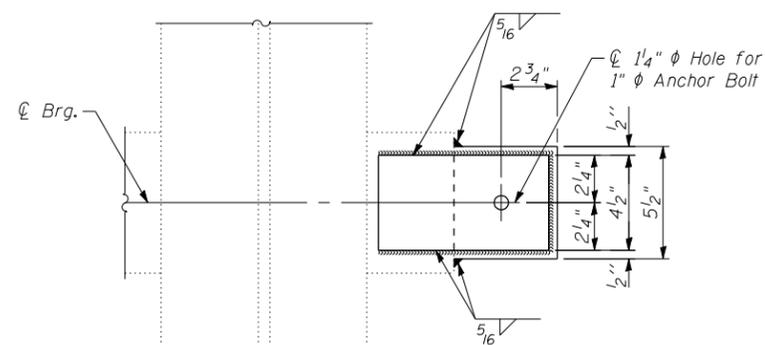


ELEVATION



PLAN

ANCHOR BOLT REPLACEMENT AT BENTS
(15 Required)



PLAN

ANCHOR BOLT REPLACEMENT AT ABUTMENTS
(7 Required)

Note:

Type I Diaphragm to be installed between beams 1 & 2 at Bent 1. Type II Diaphragm to be installed between beams 2 & 3 at Bent 1. Type III Diaphragms to be installed at all other locations Bent 1 and 2.
Cost of diaphragms, clip L's, bolts and fixed bearing plates to be paid for as Furnishing & Erecting Structural Steel.
Bearing plates shall be AASHTO M223, Grade 50.
Anchor bolts shall be installed in holes drilled after the supported member is in place. Cost included in Anchor Bolts, 1"
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Cost of field welding new plates shall be included in the cost of Structural Steel Repair.
Cost of anchor bolt replacement plates included with Structural Steel Repair.

FILE NAME = 72882-012-bearing plate-diaphragm-detail.dgn
PROJECT NO. 07884-3

Coombe-Bloxdorf P.C.
- CIVIL ENGINEERS -
- STRUCTURAL ENGINEERS -
- LAND SURVEYORS -
Design Firm License No. 184-002703

USER NAME = .MML.	DESIGNED - GJB	REVISED -
PLOT SCALE = 1/4" = 1'-0"	CHECKED - MCB	REVISED -
PLOT DATE = 10/23/2013	DRAWN - CFC	REVISED -
	CHECKED - MCB/CME	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING PLATE AND DIAPHRAGM DETAILS
STRUCTURE NO. 054-0009

SHEET NO. 12 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
717	(102B-1, 102CR, 102BR-2RS-5)	LOGAN	218	89
CONTRACT NO. 72B82				
ILLINOIS FED. AID PROJECT				