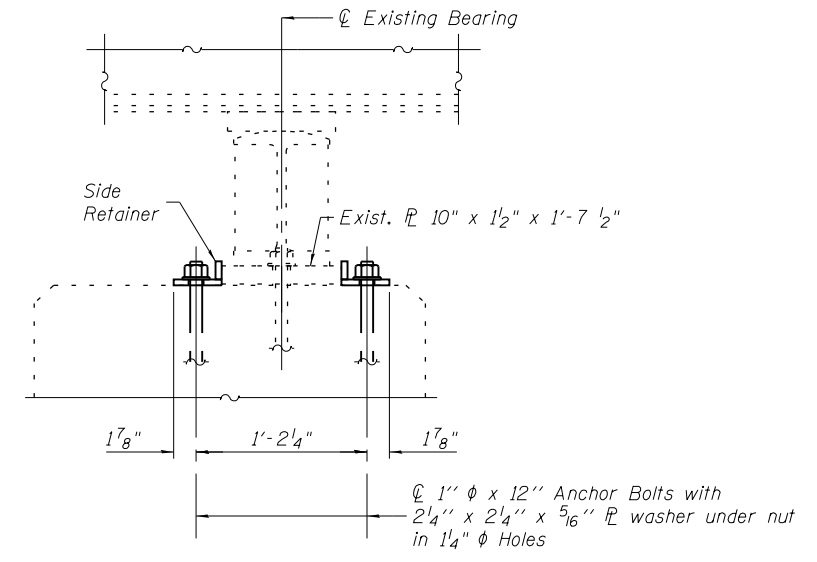
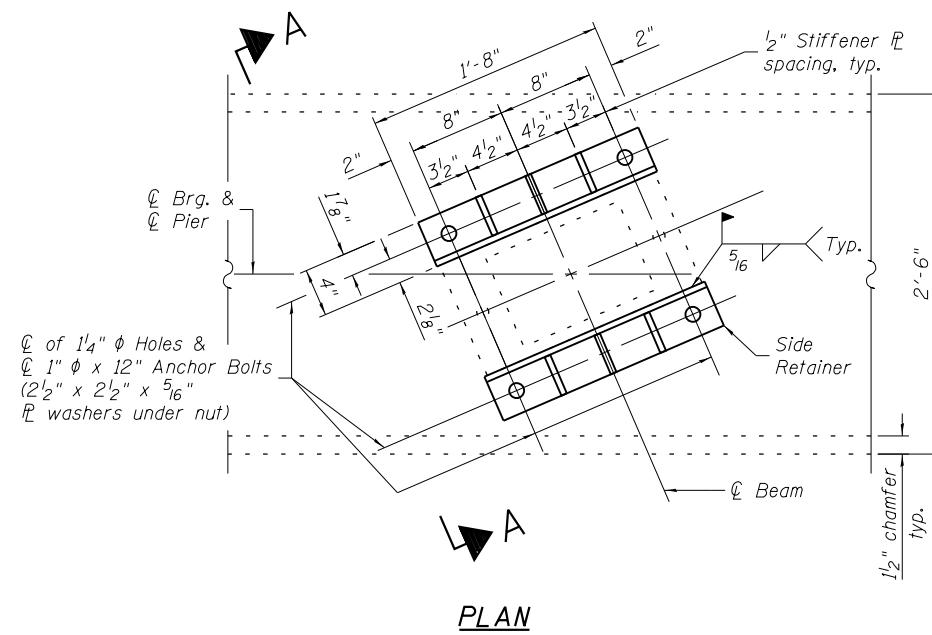


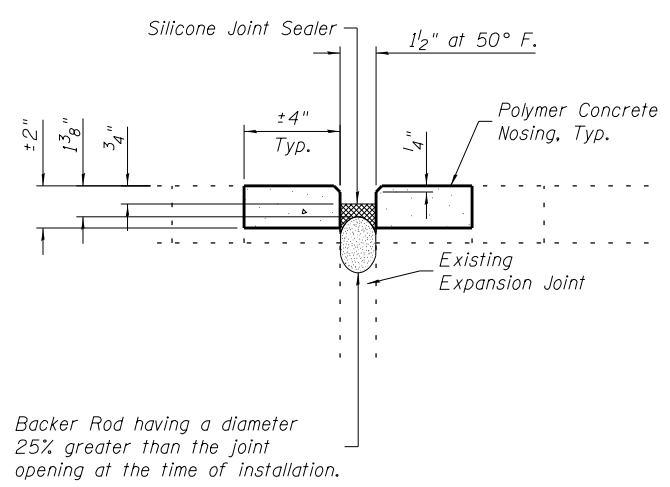
PRINT DATE: 6/11/2014 2:30:09 PM Y:\2014\1-64 Bridge Repair\CDN\Bridge\Final\Plotsheets\095-0041\042\0950041-00000-005-Details.dgn



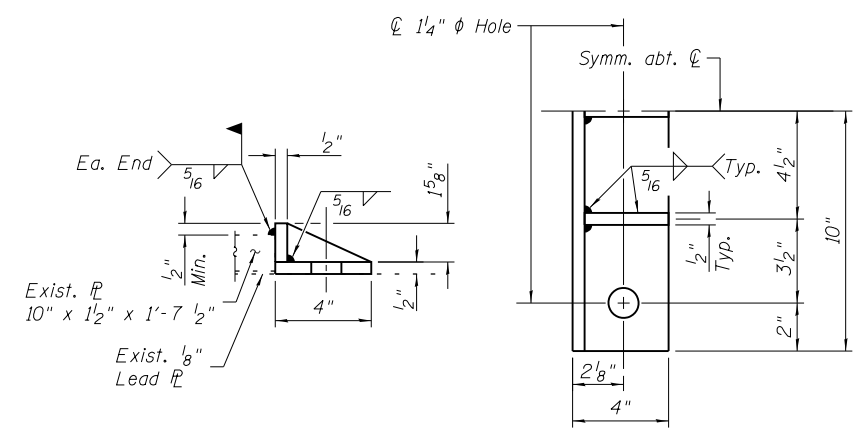
FIXED PIER RETAINER BOLTS

(12 Locations)

Notes:
 Anchor bolts shall be ASTM F1554 all-thread (or an engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Prior to ordering any material, the contractor shall verify in the field all bearing thickness dimensions.
 Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Structural Steel Repair.
 Field drilling of existing pier cap for new anchor bolt installation is considered completely included with Anchor Bolts, 1".
 All (embedded and separate) bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.



Note:
 For estimated locations of polymer concrete nosing replacement, see sheets 3 and 4 of 6.



Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts 1"φ	Each	48
Structural Steel Repair	Pound	410
Silicone Joint Sealer, 1.5"	Foot	185
Polymer Concrete	Cu. Ft.	3

EFK•Moen, LLC
 Civil Engineering Design
 303 Fountains Parkway, Suite 240
 Fairview Heights, IL 62208
 Phone 618-206-4250

USER NAME = cdl	DESIGNED - CDL	REVISED -
PLOT SCALE = 0.2" = 1' - 0"	CHECKED - CTW	REVISED -
PLOT DATE = 6/11/2014	DRAWN - JA	REVISED -
	DATE - 6/11/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS
STRUCTURE NO. 095-0041 & 095-0042

SHEET NO. 5 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	95-1,21RS-1	WASHINGTON	126	107
			CONTRACT NO. 76D20	
ILLINOIS FED. AID PROJECT				