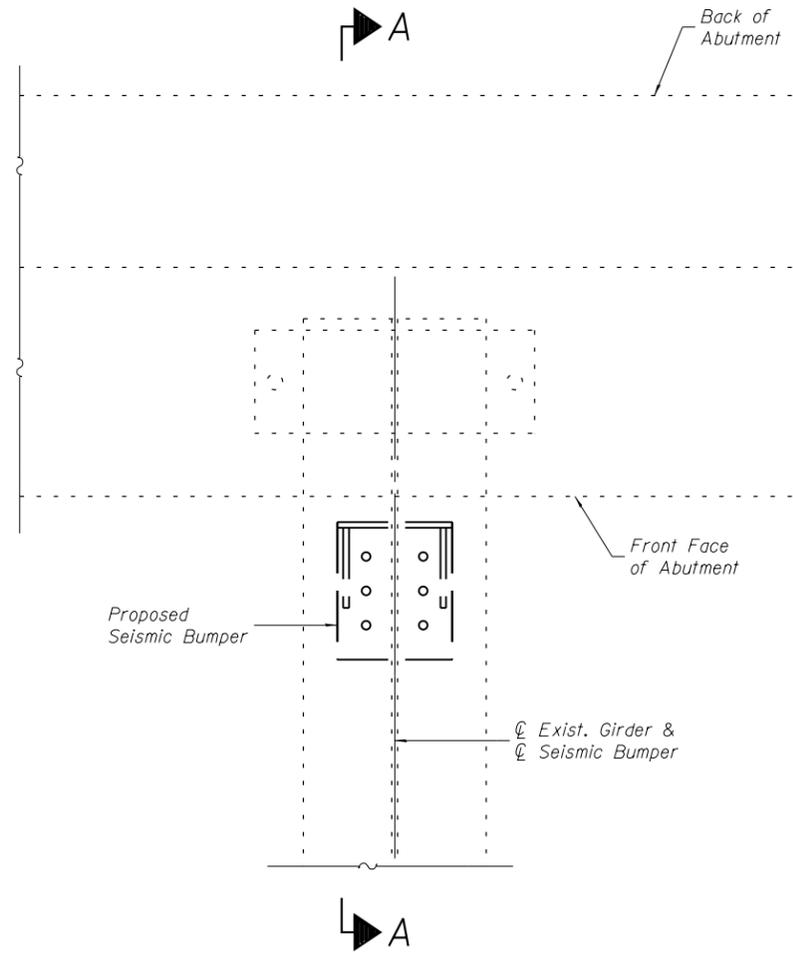
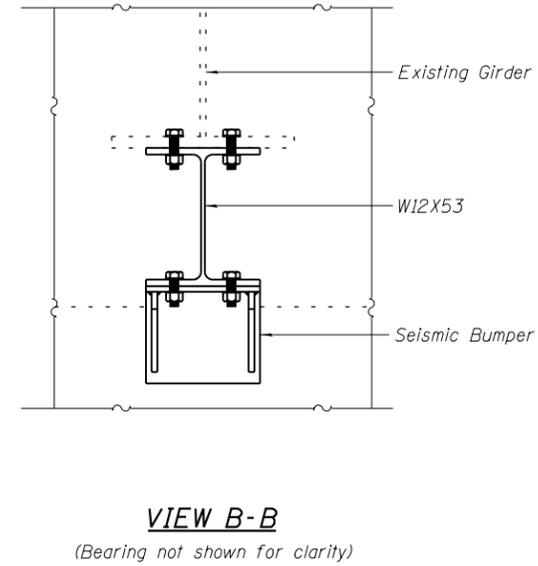
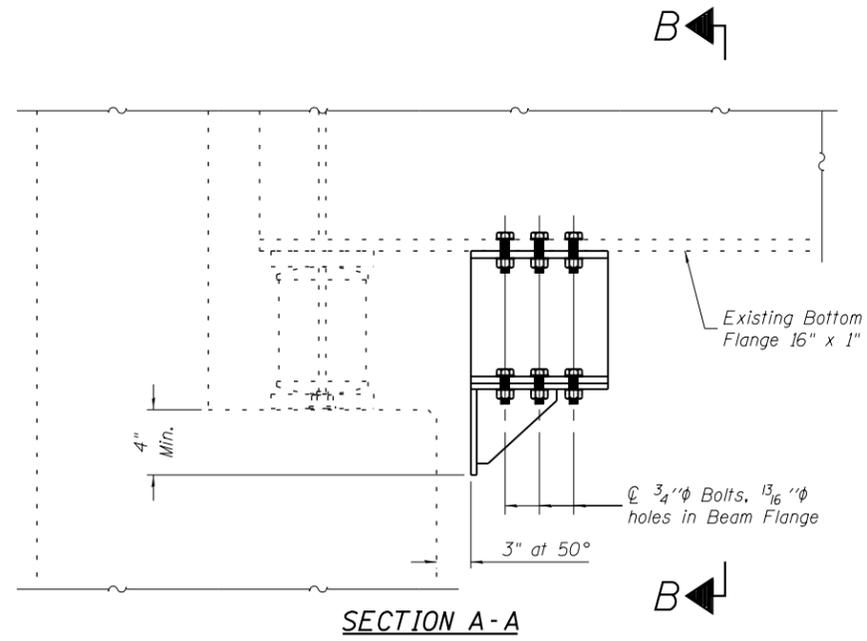
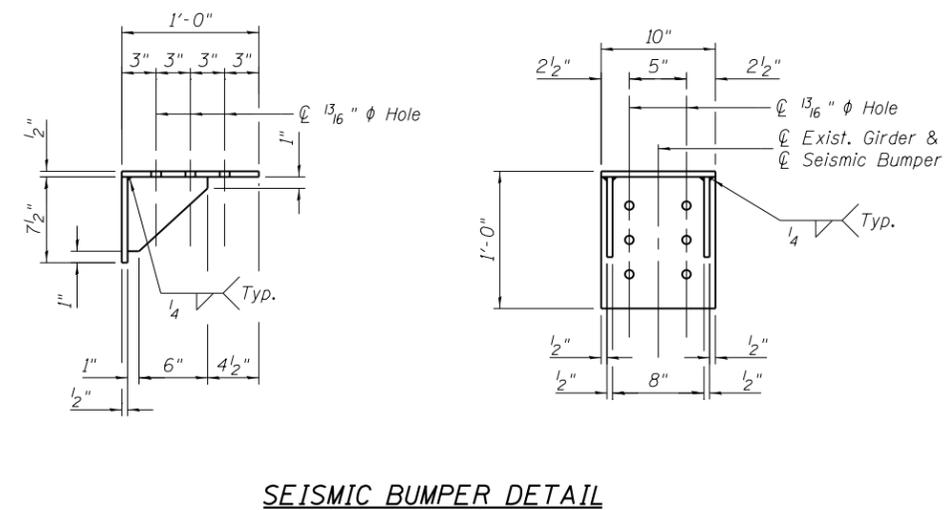


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PART PLAN OF ABUTMENT AT SEISMIC BUMPER
(8 Locations - each girder at each abutment)



Note:
 New steel and connection bolts are included in Structural Steel Repair.
 Two hardened washers required for each set of oversized holes.
 Cost of drilling holes in bottom flange of existing girders shall be included in Structural Steel Repair.
 Seismic bumper shall be installed parallel to front face of abutment.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	790

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 -
	CHECKED - CTW	REVISED -
PLOT SCALE = 0.2" = 1' - 0"	DRAWN - JA	REVISED -
PLOT DATE = 6/11/2014	DATE - 6/11/2014	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETAILS
 STRUCTURE NO. 095-0036**

SHEET NO. 4 OF 5 SHEETS

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