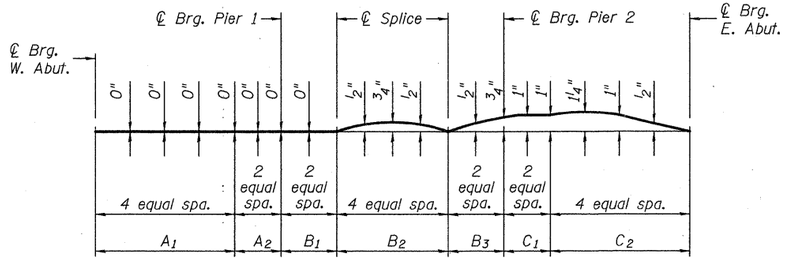
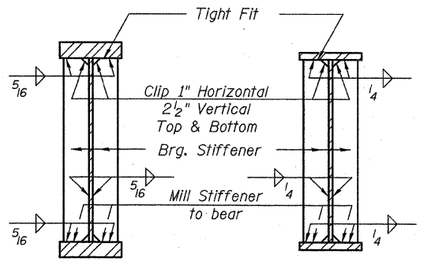


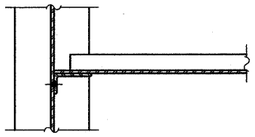
CAMBER DIAGRAM

Note:
For dimensions A, B & C, see previous sheet.

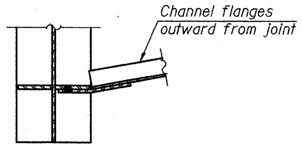


SECTION AT PIER

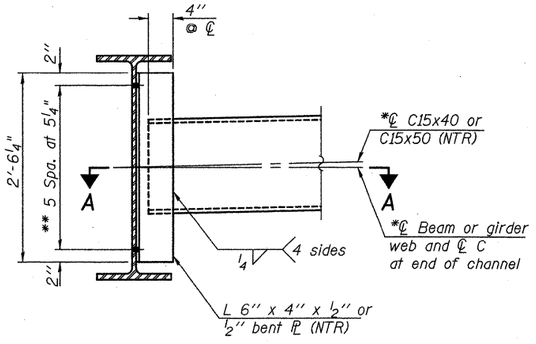
SECTION AT ABUTMENT



SECTION A-A



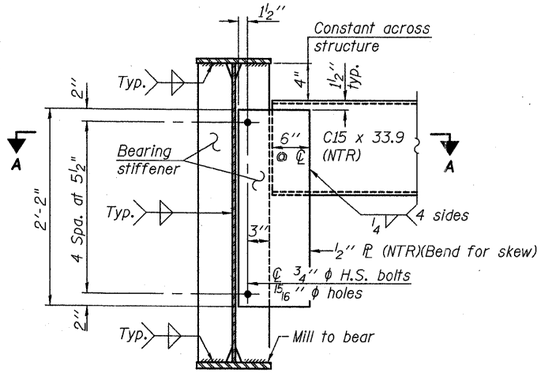
SECTION A-A



INTERIOR DIAPHRAGM (D_1)

(44 Required)

Note:
Two hardened washers required for each set of oversized holes.
*Alternate channels are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.
The alternate, if utilized, shall be provided at no additional cost to the Department.
**¾" ϕ HS bolts, 15/16" ϕ holes

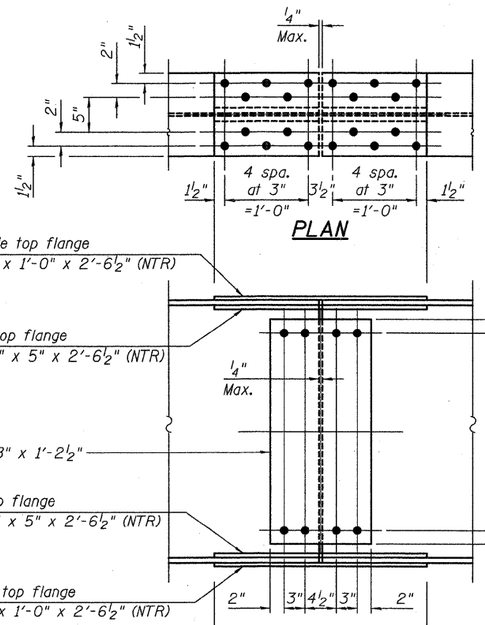


END DIAPHRAGM (D)

(8 Required)

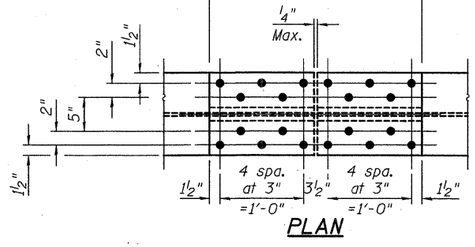
Note: Two hardened washers required for each set of oversized holes.

Note:
All structural steel shall be AASHTO M 270 Grade 50.
All structural steel shall be NTR.
All cross frames or diaphragms between beams or girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.



PLAN

ELEVATION



PLAN

FIELD SPLICE DETAIL

(Splice 1 and Splice 2)

EFK•Moen, LLC
Civil Engineering Design
331 Salem Place, Suite 225
Fairview Heights, IL 62208
Phone 618-206-4250

PRINT DATE: 9/7/2011 2:18:48 PM z:\18035 I-57 and I13 interchange\dgn\bridge\final\plotsheets\1000098-78182-015-Stl_Details1.dgn

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	PLOT DATE = 9/7/2011	DATE - 9/7/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS
STRUCTURE NO. 100-0098
SHEET NO. 15 OF 33 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(X1-6-2)HB-2	WILLIAMSON	968	698
		CONTRACT NO. 78182		
	ILLINOIS FED. AID PROJECT			