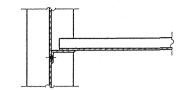
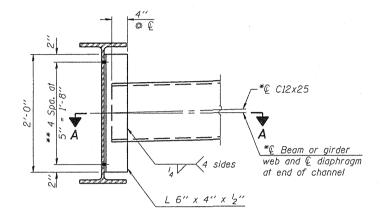
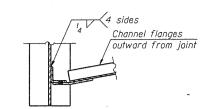
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

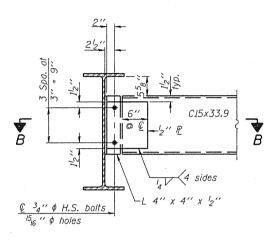


SECTION A-A





SECTION B-B

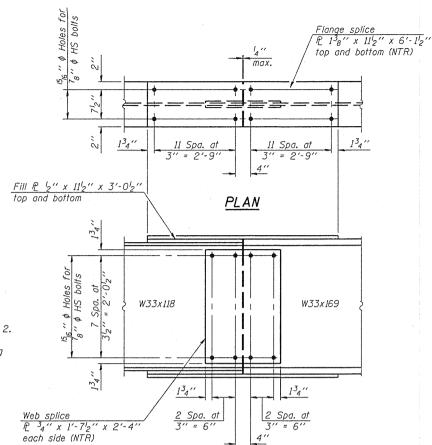


Notes:

Splice plates, except for fill plates, shall conform to the requirements of AASHTO M 270 Grade 50.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

All new structural steel shall be hot dip galvanized in accordance with the Special Provision for "Hot Dip Galvanizing for Structural Steel."



ELEVATION

SPLICE DETAIL
(24 Required)

INTERIOR DIAPHRAGM D (45 Required)

Not

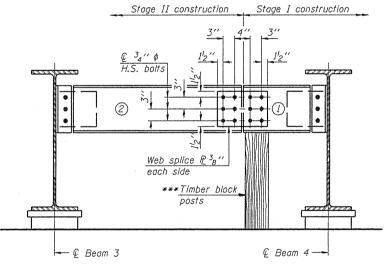
Two hardened washers required for each set of oversized holes.

*Alternate channels, C12x30, 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.

**3₄" \$\phi\$ HS bolts, \(^{15}_{16}\)" \$\phi\$ holes

END DIAPHRAGM DI

(10 Required)



*** Cost of Timber Block Posts is included with Structural Steel.

END DIAPHRAGM

END DIAPHRAGM STAGE CONSTRUCTION SEQUENCE

- 1.) Order diaphragm in two sections.
- 2.) Attach section ① of diaphragm to beam
- 3.) Place timber block posts between section (1) of diaphragm and abutment bearing section.
- 4.) Attach section ② of diaphragm to both beam 3 and section ① of diaphragm during stage II construction with splice plates.
- 5.) Remove timber block posts.

MAURER & STUTZ, INC. ENGINEERS SURVEYORS

DESIGNED	-	BAS		
CHECKED	-	KEF		
DRAWN	_	SGM		
CHECKED	-	BAS		

STRUCTURAL STEEL DETAILS STRUCTURE NO. 094-0051

SHEET NO.16	F.A.P. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
0,1221 110,10	310	(28B)BR-1			WARREN	71	40
27 SHEETS	27 SHEETS				CONTRACT	NO. 68	661
	FED. RO	AD DIST. NO	ILLINOIS	FED. AI	ID PROJECT		