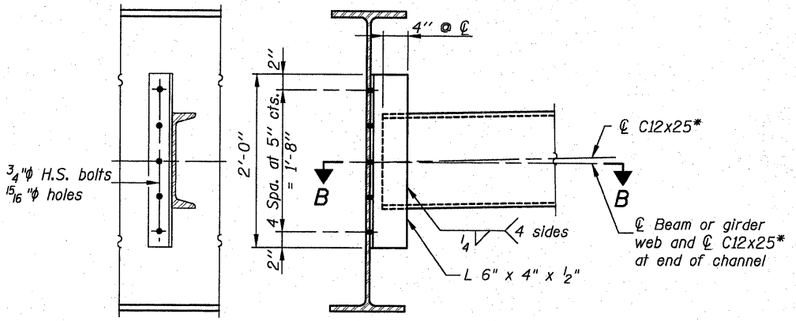
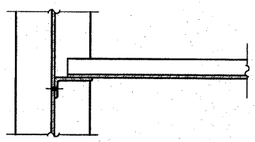
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

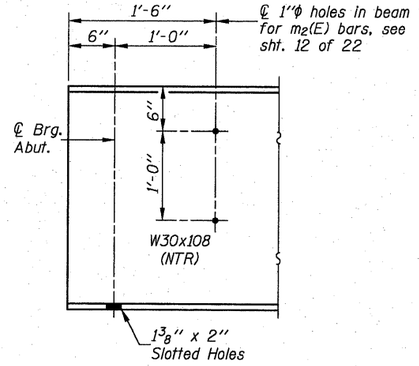


DIAPHRAGM D
(12 Required)

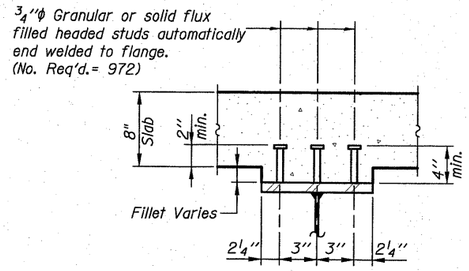
* Alternate channel C12x30 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.



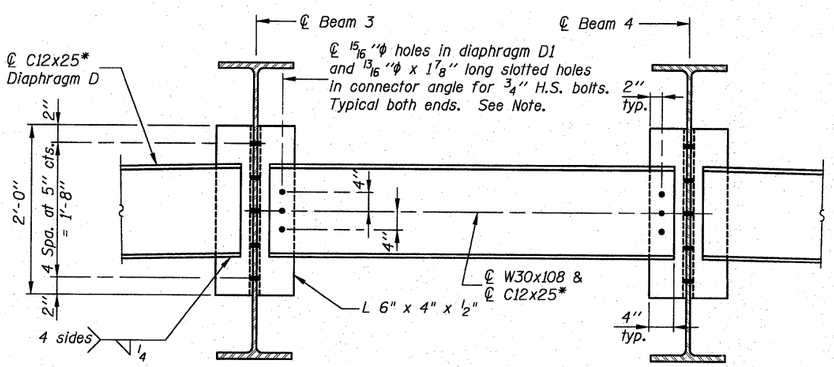
SECTION B-B



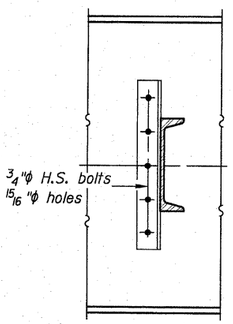
TYP. END OF BEAM ELEVATION

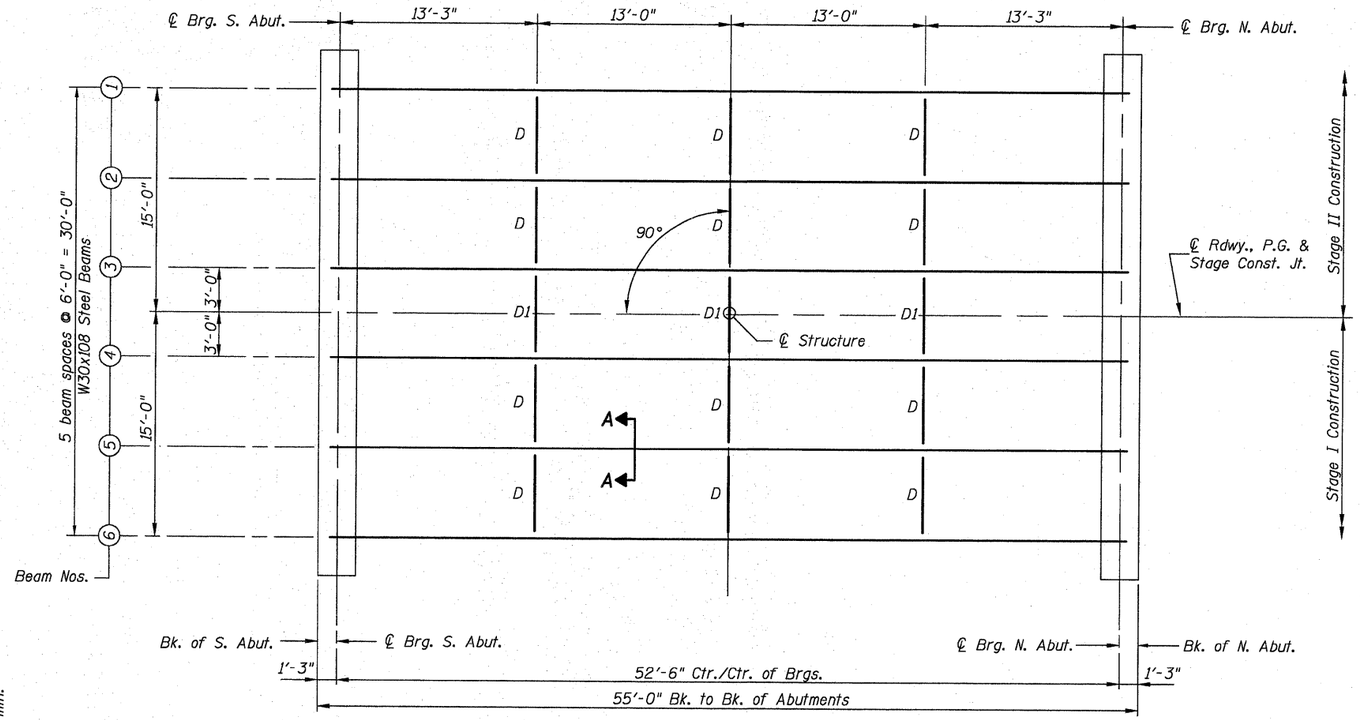


SECTION A-A



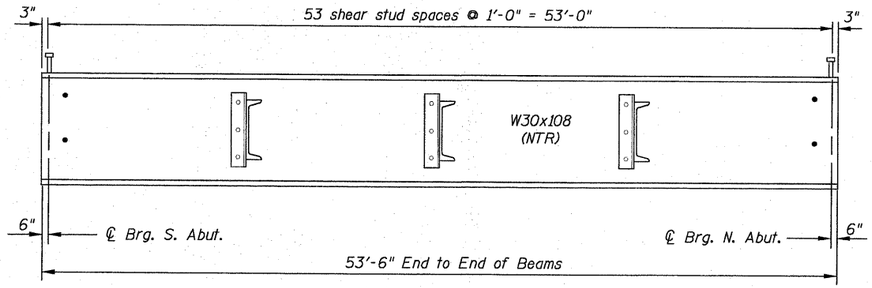
DIAPHRAGM D1
(3 Required)





FRAMING PLAN

All Beams are W30x108 (NTR) and AASHTO M270, Gr. 50.



BEAM ELEVATION

Notes:

Two hardened washers required for each set of oversized holes.

All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. 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.

Bolts in slots shall be finger tight until the second stage pour is complete. Position slots so bolts start at one end with no concrete load and finish near the opposite end under deck load allowing maximum displacement without laterally stressing main members. All holes shall have appropriate hardened or plate washers.

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

STRUCTURAL STEEL

SHEET NO. 15	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21 SHEETS	739	1-2BR	GREENE	150	97
	S.N. 031-0040		CONTRACT NO. 76410		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

H.M. & G. NO. 6020.161