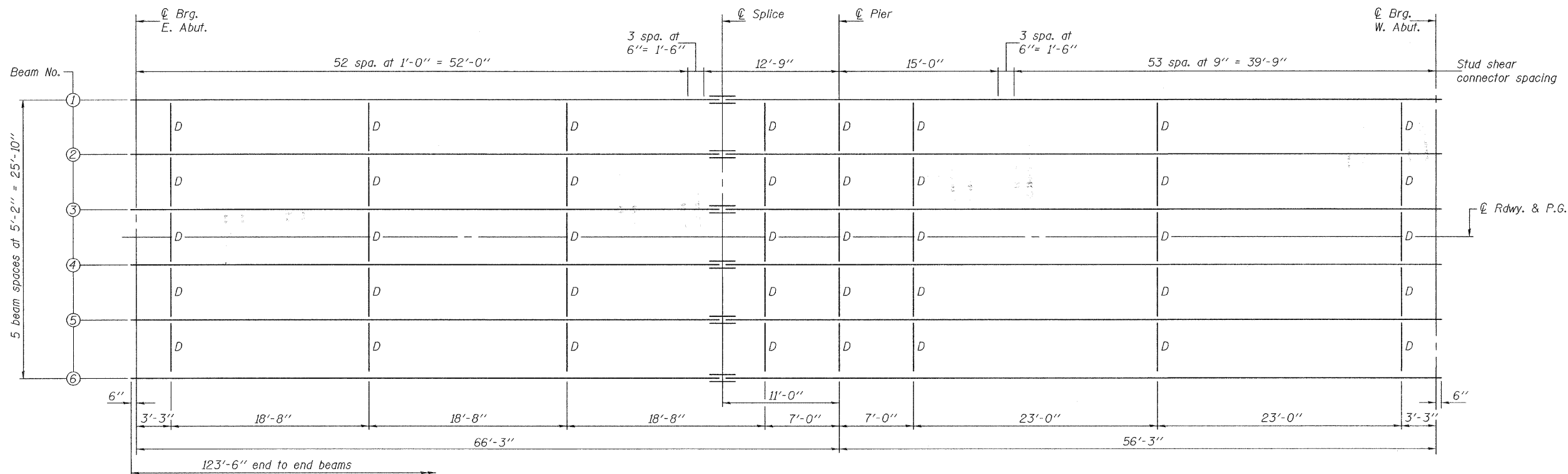


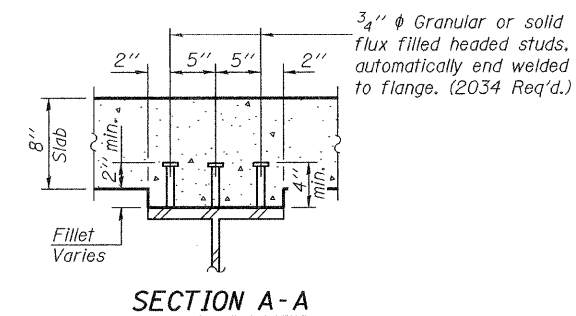
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



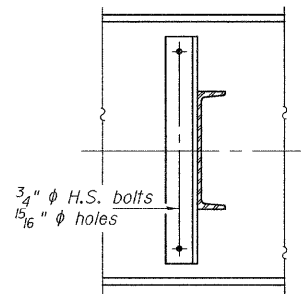
PLAN

All beams shall be W27x146 AASHTO M270 Grade 50 (NTR)
**All splice plate material shall be AASHTO M270 Grade 50.

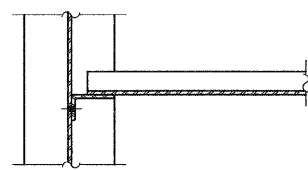
Notes: Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
Two hardened washers required for each set of oversized holes.



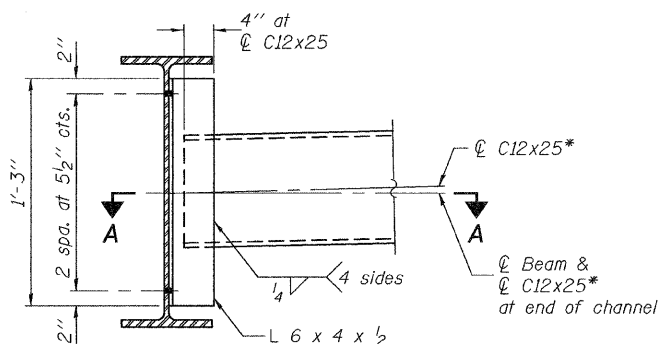
SECTION A-A



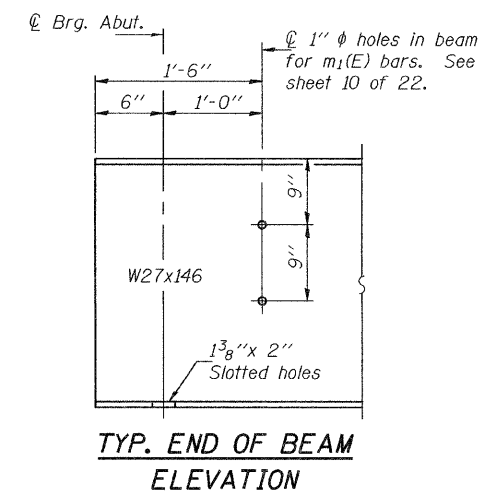
DIAPHRAGM D
(40 Required)



SECTION A-A



ELEVATION
SPLICE DETAIL
(6 Required)



TYP. END OF BEAM
ELEVATION

DESIGNED	Phillip R. Litchfield
CHECKED	Ray Ahanchi
DRAWN	Gregory D. Farmer
CHECKED	PRL/GRA/JDE

EXAMINED	Thomas J. Damagalki
PASSED	Ralph E. Anderson

Sep. 9, 2010

*Alternate channel C12x30 is 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.

SHEET NO. 11	S.B.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	12	10B-1	CLAY	39	23
22 SHEETS	CONTRACT NO. 74004				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					