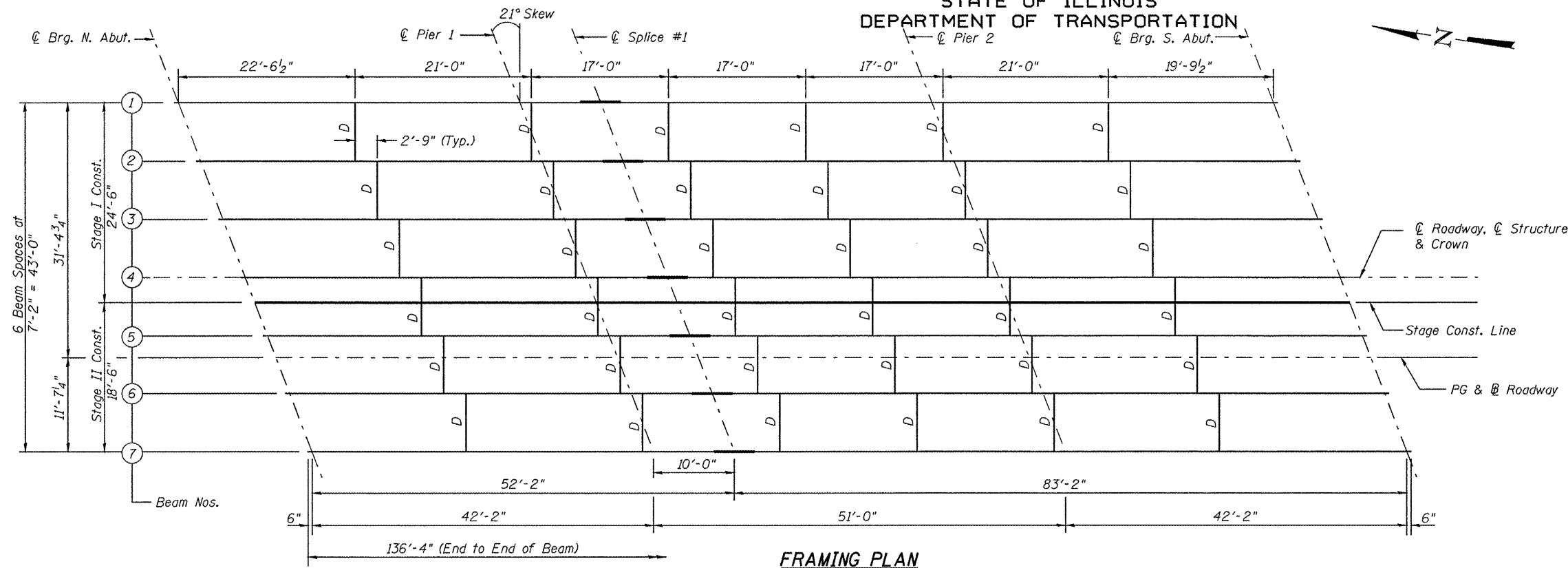
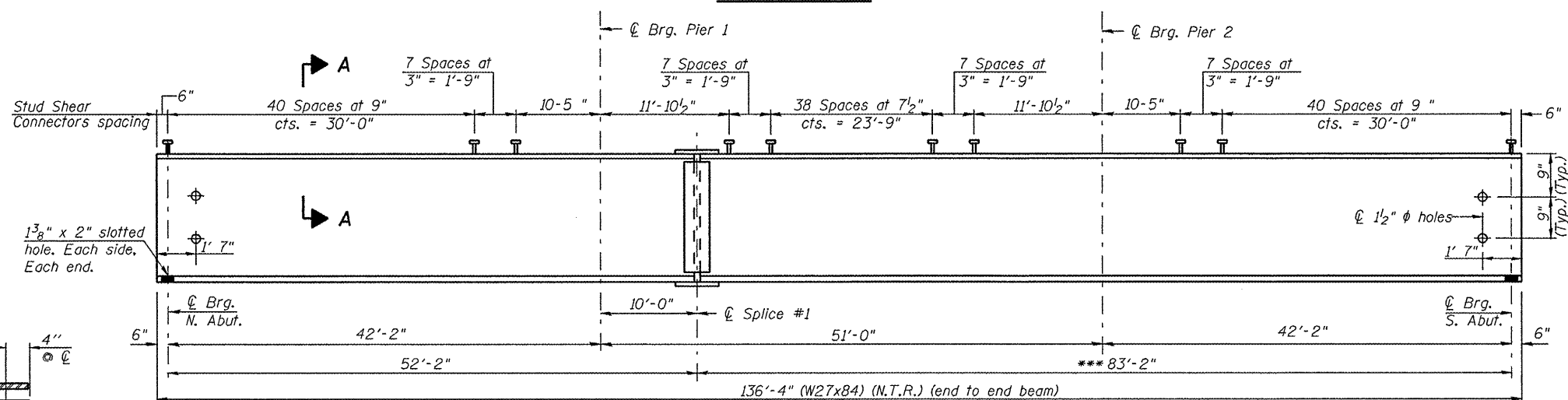


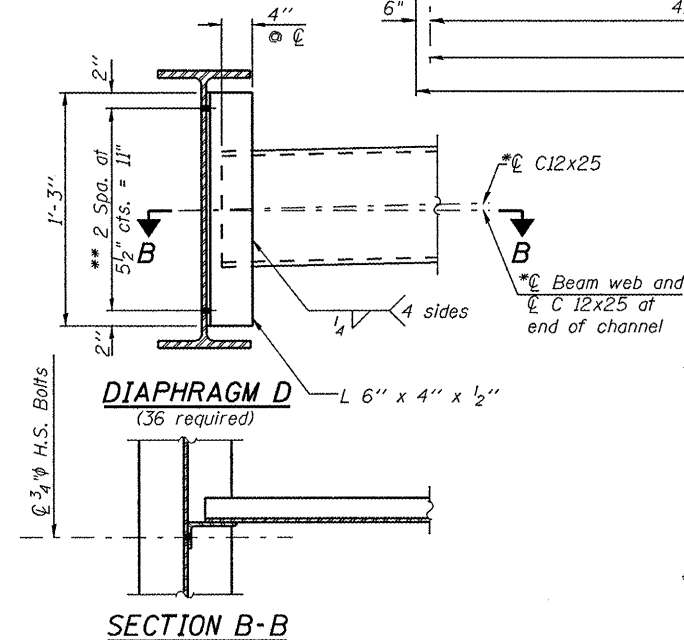
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



FRAMING PLAN



BEAM ELEVATION



DIAPHRAGM D
(36 required)

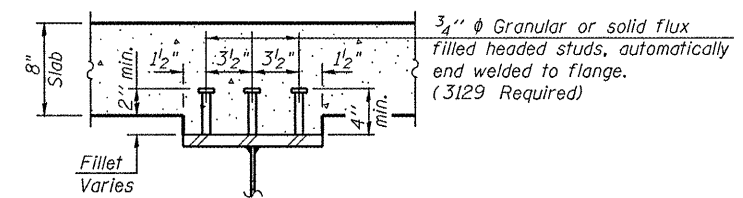
Notes:

Two hardened washers required for each set of oversized holes.

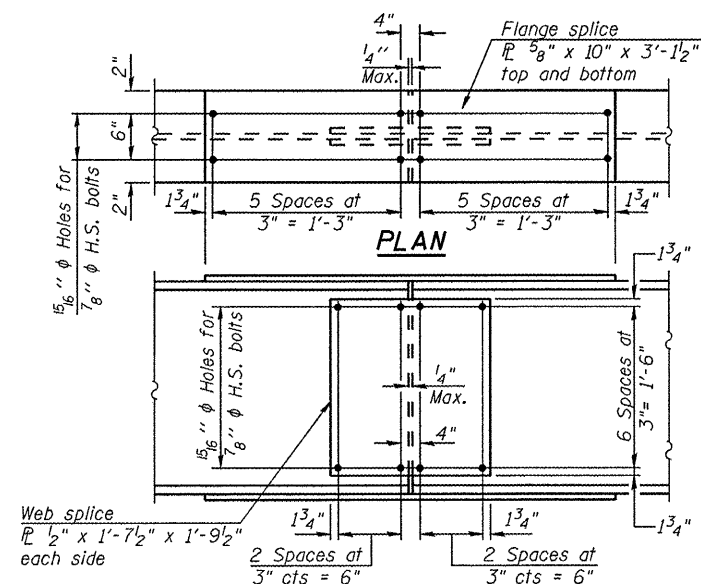
* C12x30 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on C12x25. The alternate, if utilized, shall be provided at no additional cost to the Department.

** 3/4" ϕ HS bolts, 15/16" ϕ holes. Diaphragms at stage construction line shall be finger tightened prior to the deck slab pouring and then fully tightened after completion of the pour.

*** The contractor shall submit plans showing bracing details for transporting, erection, and deck forming for the section to the Engineer for approval.



SECTION A-A



ELEVATION
SPLICE DETAIL
(7 Required)

NOTES:

1. All beams and splice plates shall be M270 Grade 50 (NTR).
2. All diaphragms and connecting plates shall be M270 Grade 36.
3. All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted.
4. Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

TOP OF BEAM ELEVATIONS

(For Fabrication Only)

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7
⊗ Brg. N. Abut.	487.49	487.62	487.73	487.84	487.73	487.62	487.49
⊗ Brg. Pier 1	487.46	487.58	487.70	487.80	487.70	487.58	487.46
⊗ Splice 1	487.45	487.57	487.69	487.79	487.69	487.57	487.45
⊗ Brg. Pier 2	487.47	487.59	487.71	487.81	487.71	487.59	487.47
⊗ Brg. S. Abut.	487.49	487.62	487.73	487.84	487.73	487.62	487.49

FRAMING PLAN & STEEL DETAILS
STRUCTURE NO. 072-0227

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

SHEET NO.13
22 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6658	(ZC-15D-BR)BR	PEORIA	49	26
CONTRACT NO. 68478				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				