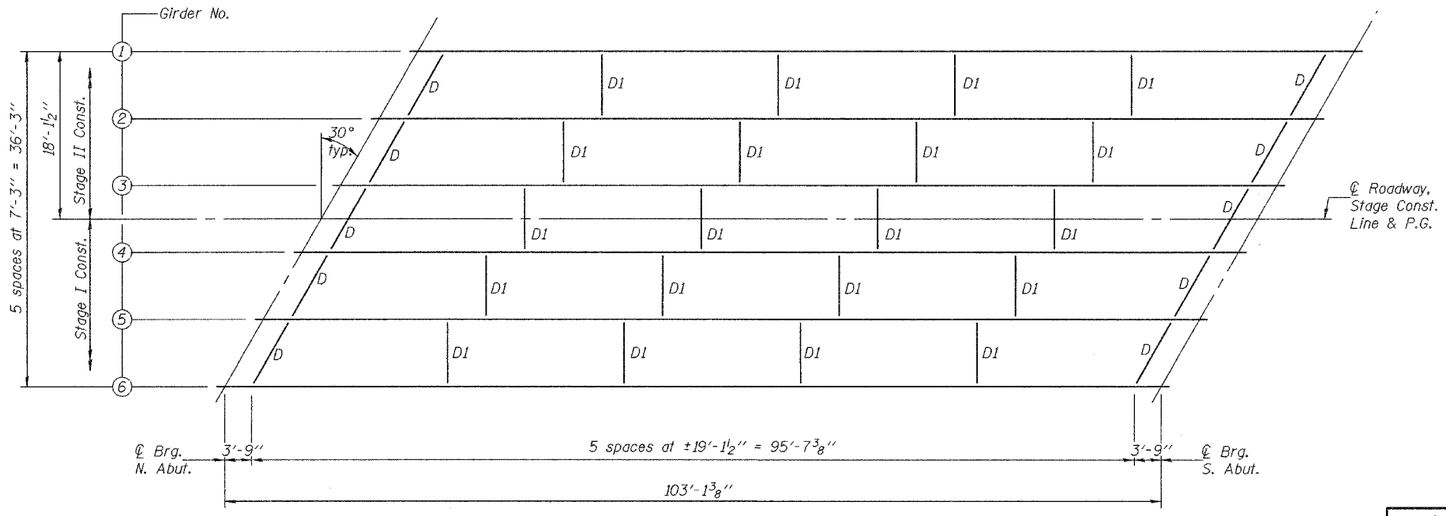
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

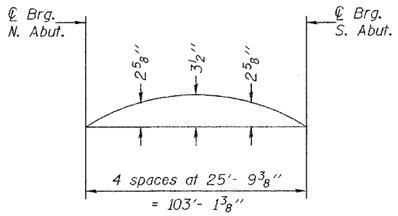
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 314	111BR-1	MADISON	123	100
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 10
17 SHEETS

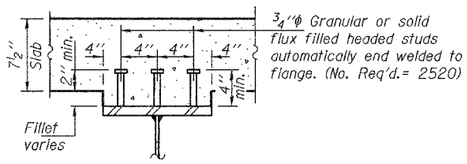
Contract No. 76454



FRAMING PLAN



CAMBER DIAGRAM



SECTION A-A

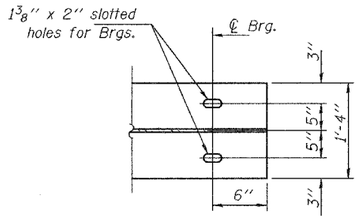
TOP OF WEB ELEVATIONS

Location	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6
℄ Brg. N. Abutment	460.13	460.26	460.35	460.35	460.22	460.06
℄ Brg. S. Abutment	460.10	460.26	460.39	460.39	460.29	460.16

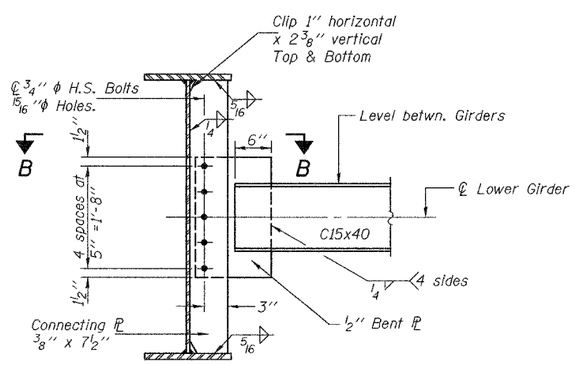
ELEVATION

Note:
Two hardened washers shall be required over all oversized holes.
"NTR" denotes plates to which notch toughness requirements are applicable.
All plates of the girders shall be AASHTO M270, Grade 50.

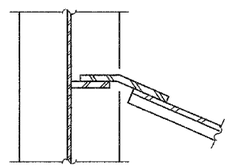
*For the diaphragm connection between girders 3 and 4, only the top bolt hole shall be shop drilled in the ⅜" connecting plate. The diaphragms shall be installed with finger tightened bolts in the top holes prior to the Stage II deck pour. After the Stage II deck pour, the remaining holes in the connection plate for the diaphragm connection shall be drilled using the holes in the ½" diaphragm plate as a template. Install and tighten the remaining bolts. Cost of field drilling included with Furnishing and Erecting Structural Steel.



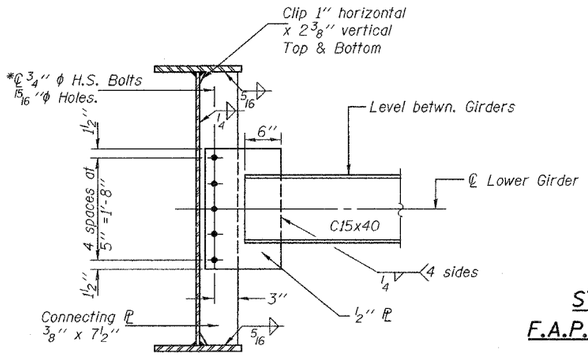
END OF BEAM DETAIL
(Bottom flange, typical each end.)



DIAPHRAGM D
(10 required)



SECTION B-B



DIAPHRAGM D1
(20 required)

DESIGNED	CEH
CHECKED	DHC
DRAWN	BECKY M. LEACH
CHECKED	CEH & DHC

November 10, 2005
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STRUCTURAL STEEL DETAILS
F.A.P. ROUTE 314 - SECTION 111BR-1
MADISON COUNTY
STATION 161+40.00
STRUCTURE NO. 060-0339

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