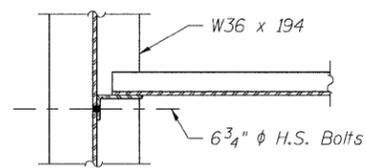
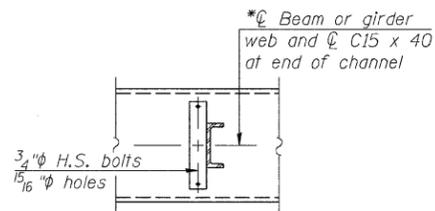


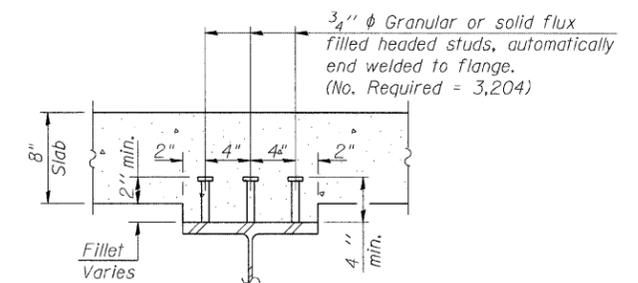
FRAMING PLAN



SECTION B-B

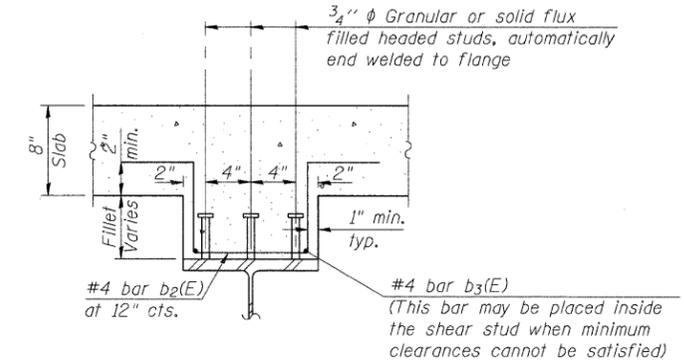


SECTION C-C



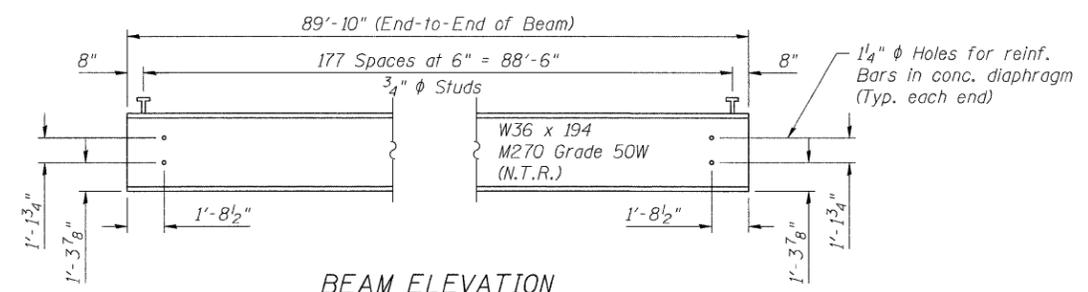
STANDARD INTERIOR FILLET SECTION

See Sheet 7 of 20 for locations.

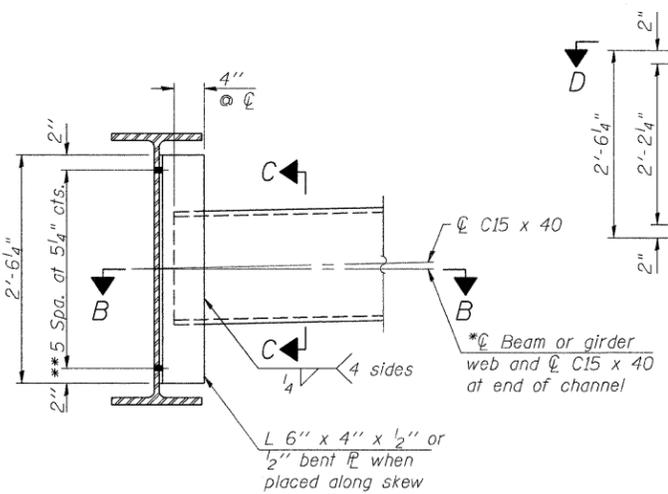


DEEP INTERIOR FILLET SECTION

See Sheet 7 of 20 for locations.



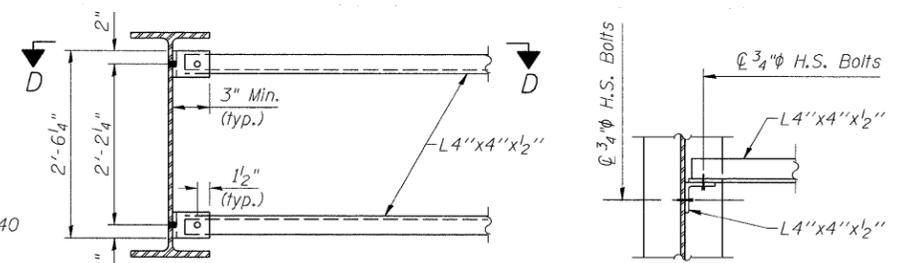
BEAM ELEVATION



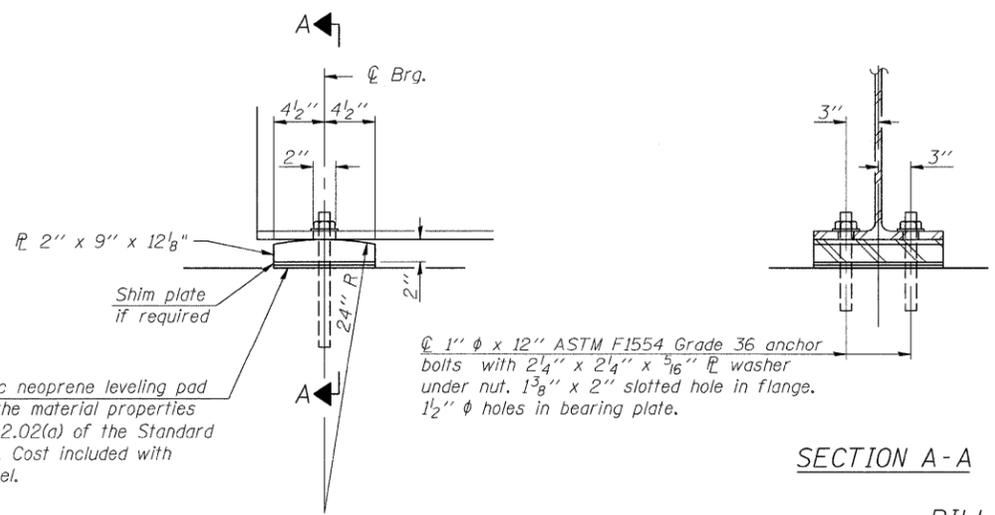
INTERIOR DIAPHRAGM D

(15 Required)

Note:
Two hardened washers required for each set of oversized holes.
*C15X50 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.
** 3/4" H.S. bolts, 1 5/16" Holes
*** Temporary Bracing shall be provided during Stage II Construction and replaced with diaphragm D prior to pouring Deck Closure Pour.



*** TEMPORARY BRACING DETAIL



ELEVATION AT ABUTMENT

BEARING DETAIL

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Anchor bolts, 1"	Each	24

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.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
All beams shall be W36x194 AASHTO M20 Grade 50W (NTR). All diaphragms and connecting angles shall be AASHTO M270 Grade 50W. All bearing plates shall be AASHTO M270 Grade 50W.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Structural steel for temporary bracing shall be AASHTO M270 Grade 36 and is not required to be painted. Cost included with Structural Steel.

FILE NAME = S:\JLD\63809--6399\6346\027\Micro\Plan\Structural\0370174-64C20-012-BEAM.dgn



USER NAME = brionf	DESIGNED MJD	REVISED -
PLOT SCALE =	CHECKED AJS	REVISED -
PLOT DATE = 8/11/2011	DRAWN B/JF	REVISED -
	CHECKED RRD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL FRAMING PLAN AND BEAM DETAILS
STRUCTURE NO. 037-0174

SHEET NO. 12 OF 20 SHEETS

F.A.P. RTE. 585	SECTION 128 BR	COUNTY HENRY	TOTAL SHEETS 106	SHEET NO. 56
CONTRACT NO. 64C20				ILLINOIS FED. AID PROJECT