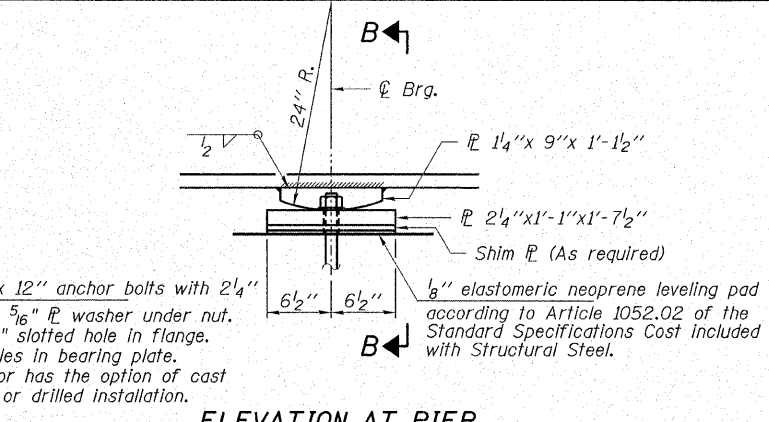
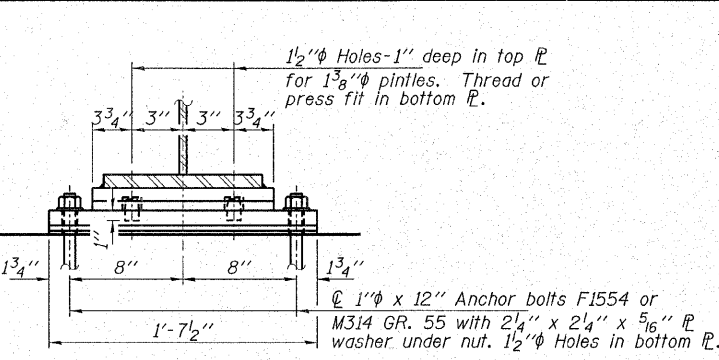


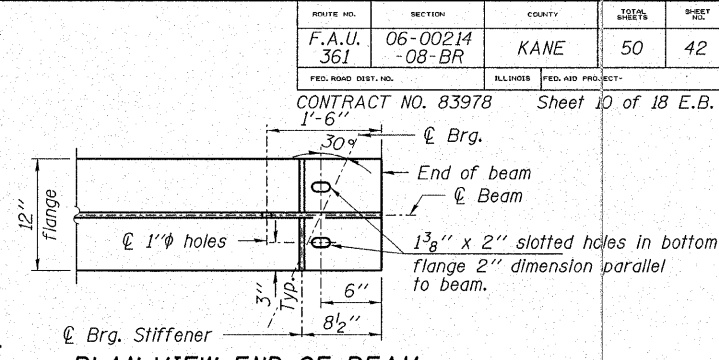
**FIXED BEARING AT ABUTMENTS**  
(10 Required)



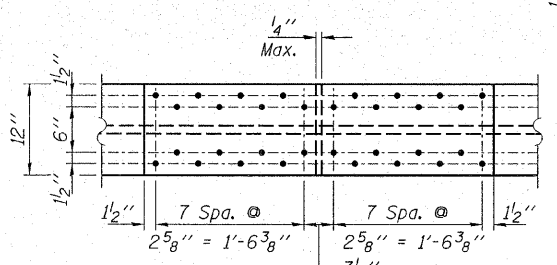
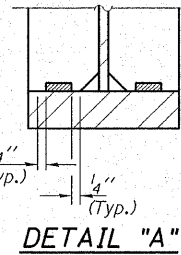
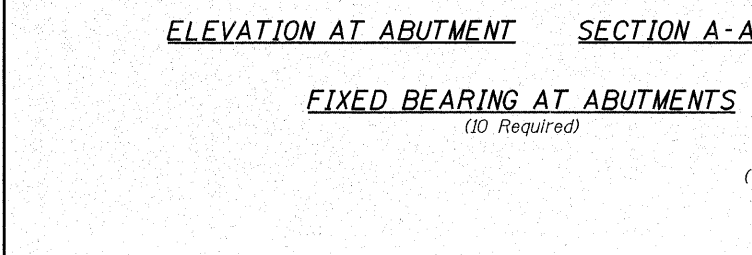
**FIXED BEARING AT PIER**  
(5 Required)



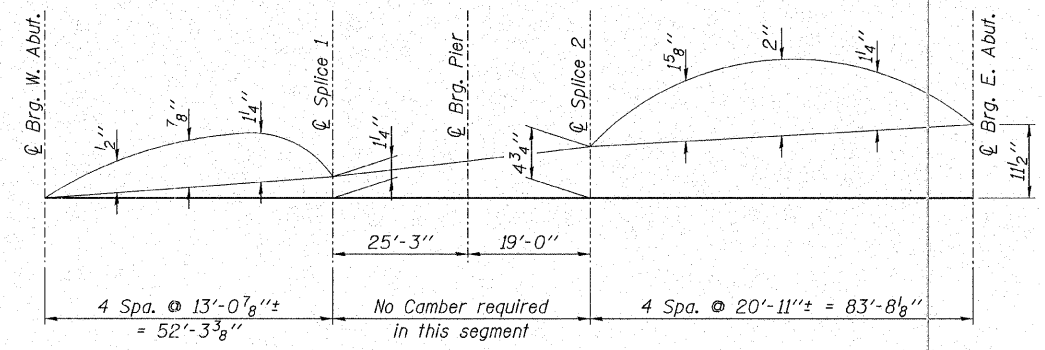
**SECTION B-B**



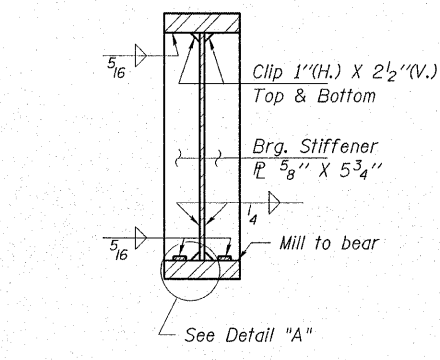
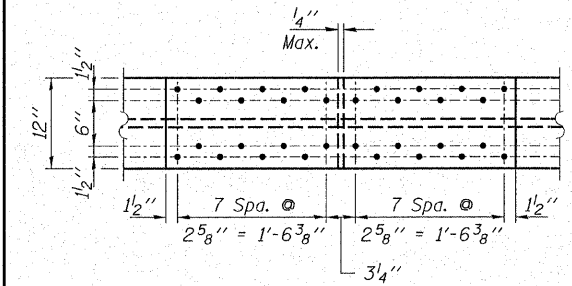
**PLAN VIEW END OF BEAM**



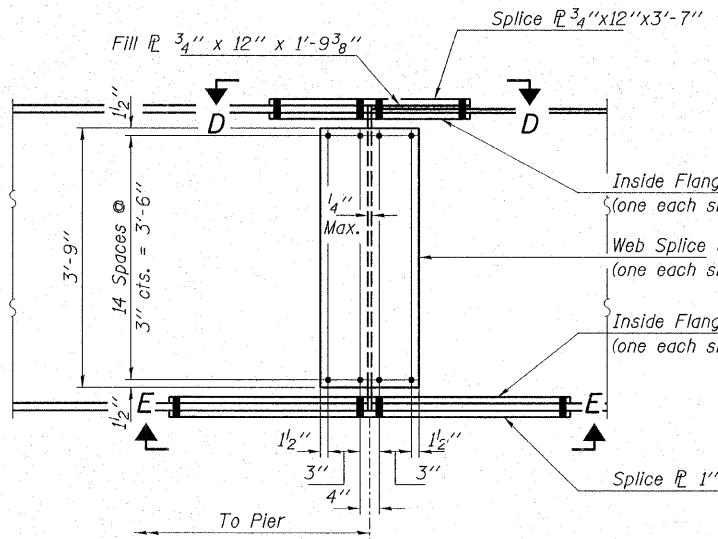
**PINTLE**  
(50 ksi)



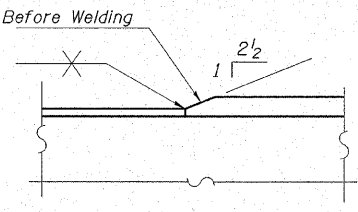
**CAMBER DIAGRAM**



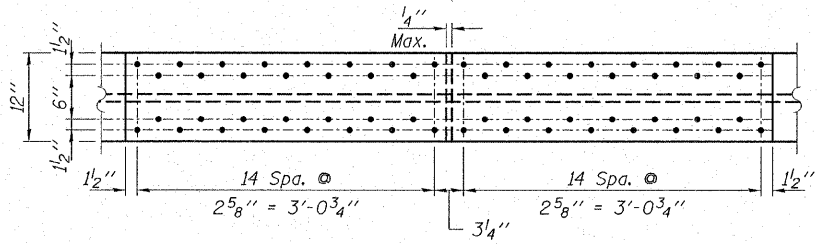
**BEARING STIFFENER AT PIER & ABUTMENTS**



**SPLICE 1**  
7/8 inch H.S. Bolts (Typ.)  
All splice plates are NTR  
(5 Required)



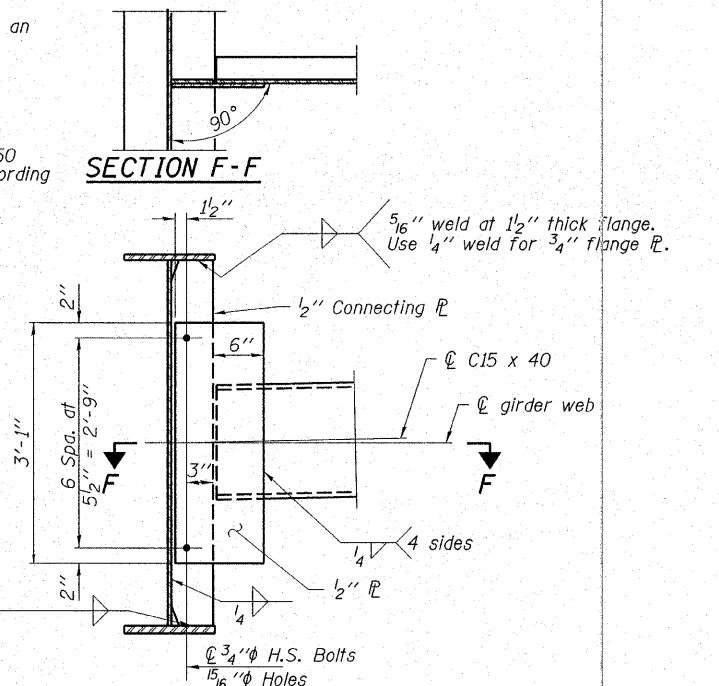
**BUTT WELD**  
Alternate For Splice 1 Only



**VIEW E-E**  
(Bottom Flange)

**SPLICE 2**  
7/8 inch H.S. Bolts (Typ.)  
All splice plates are NTR  
(5 Required)

**Notes:**  
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of 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.  
All bearing plates shall be AASHTO M270 Grade 50 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.



**Notes:**  
Two hardened washers required for each set of oversized holes.  
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.

**HAMPTON, LENZINI & RENWICK, INC.**  
CIVIL & STRUCTURAL ENGINEERS  
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(217) 546-3400

**ELGIN • SPRINGFIELD**

PROJECT NUMBER: 12-05-0077-1 DATE: 09/20/07  
DESIGNED: T.P.L. CHECKED: J.L.B. DRAWN: P.J.L.

**STRUCTURAL STEEL DETAILS**  
SECTION 06-00214-08-BR  
F.A.U. ROUTE 361 / NEW STEARNS ROAD  
OVER THE NORTH ARM OF BREWSTER CREEK  
KANE COUNTY

**STRUCTURE NO. 045-3167 (E.B.) / STATION 590+50.50**