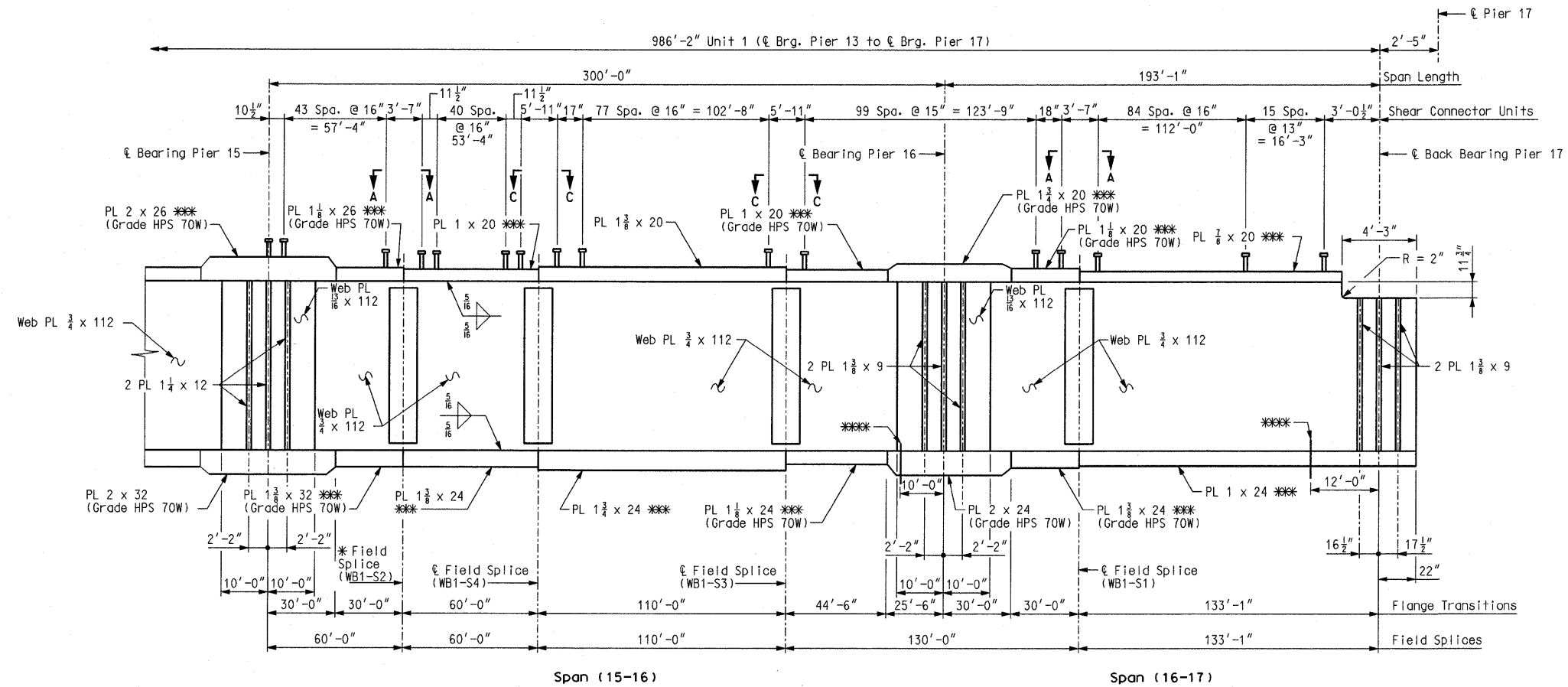
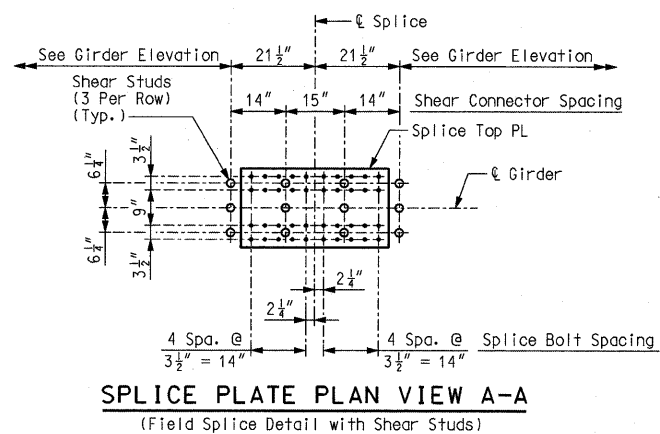


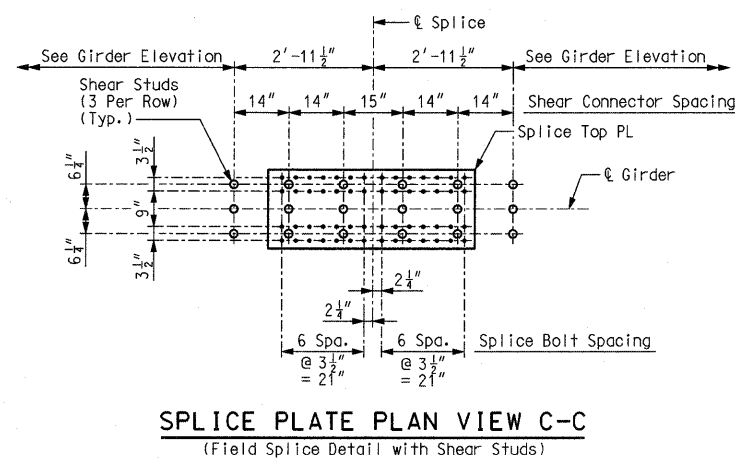
CONTRACT NO. 76D61	
F.A. ROUTE	SECTION
999	82-1B-2
FED. AID PROJECT	ILLINOIS
COUNTY	ST. CLAIR
USER NAME = jjo11fff	
PLOT SCALE = #SCALE#	
PLOT DATE = 4/14/2010	
DESIGNED -	HNTB
CHECKED -	CMT
DRAWN -	CMT / HNTB
REVISED -	
REVISED -	
REVISED -	
REVISED -	



**GIRDER ELEVATION**  
Spans (15-16) & (16-17)



**SPLICE PLATE PLAN VIEW A-A**  
(Field Splice Detail with Shear Studs)



**SPLICE PLATE PLAN VIEW C-C**  
(Field Splice Detail with Shear Studs)

Notes:  
 Plate girders shall be fabricated to be in accordance with the camber diagram shown on Sheet No. 67.  
 \*\*\* Indicates flange plates subject to notch toughness requirements.  
 All web plates shall be subject to notch toughness requirements.  
 All flange and web splice plates except fill plates shall be subject to notch toughness requirements.  
 Fabricated structural steel shall be ASTM A709 Grade 50W, except as noted.  
 Longitudinal dimensions are horizontal from  $\ell$  bearing to  $\ell$  bearing.  
 For Framing Plan, see Sheet No. 48.  
 For location of slab drain attachment holes, see slab drain details on Sheet Nos. 127 thru 130.  
 For detail of expansion device stiffener at Pier 17, see Sheet No. 88.  
 Drip plate, girder 1 only. See Sheet No. 88 for details.  
 \*\*\* For details of shear connectors, see Sheet No. 88.

GIRDER ELEVATION WB - UNIT 1 (2 OF 2)

Detailed JUL 2009  
Checked JUL 2009

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 55 of 152

s:\dot\0906601\draw\_idot\cadd\_sheets\structural\B\_A6500\_055-152\_J6i0984C\_055.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISSOURI HIGHWAYS  
AND TRANSPORTATION COMMISSION

ILLINOIS APPROACH STRUCTURE  
FOR NEW I-70 MISSISSIPPI RIVER BRIDGE

**HNTB**  
715 KIRK DRIVE  
KANSAS CITY, MO 64105  
TELEPHONE (816) 472-1201  
CERTIFICATE OF AUTHORITY  
NO. 001270

**CMT**  
CRANFORD, MURPHY & TILLY, INC.  
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ENGINEERING CORPORATION - 000631