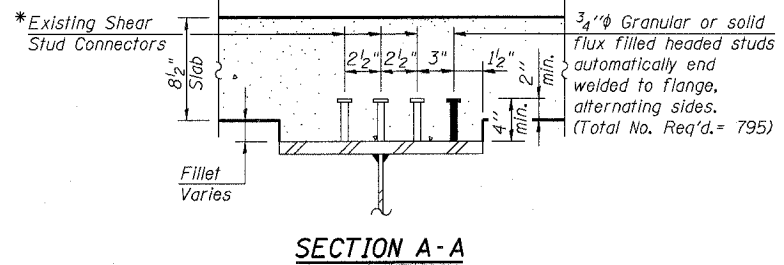
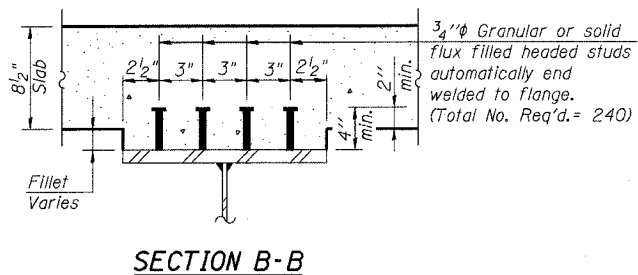
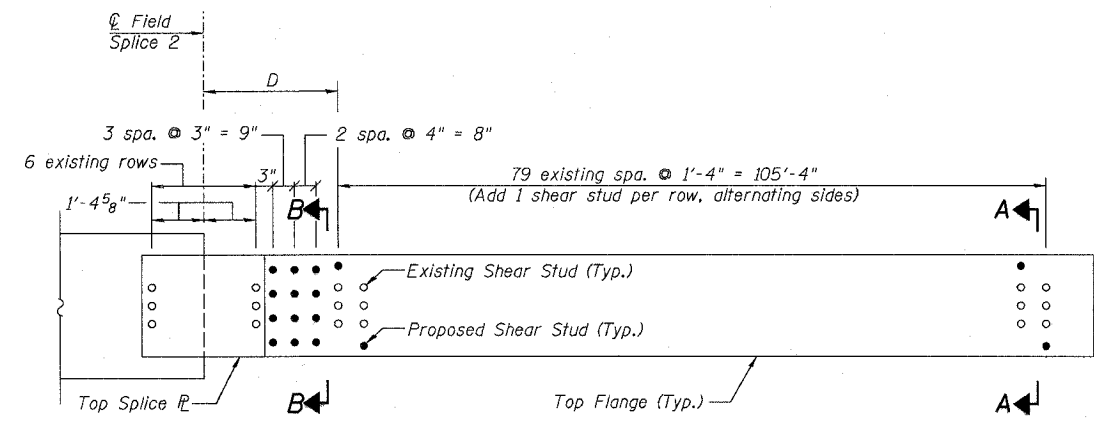
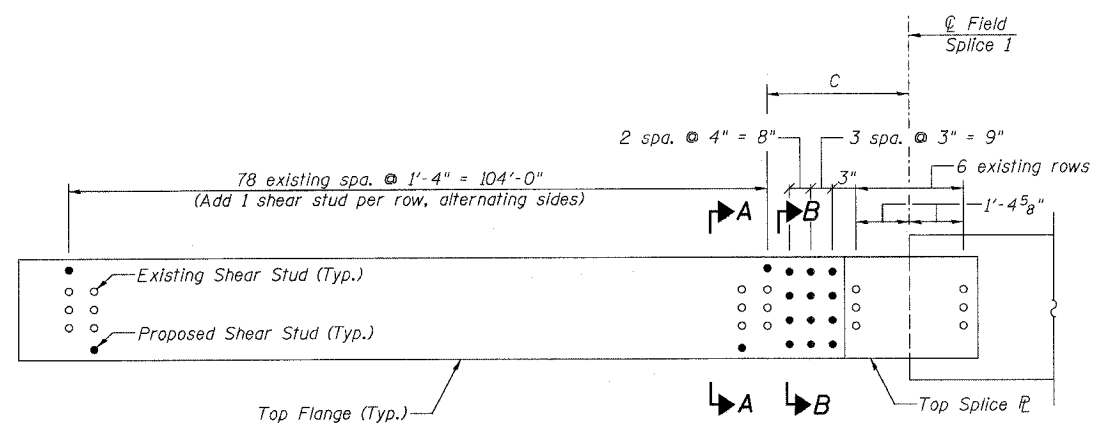
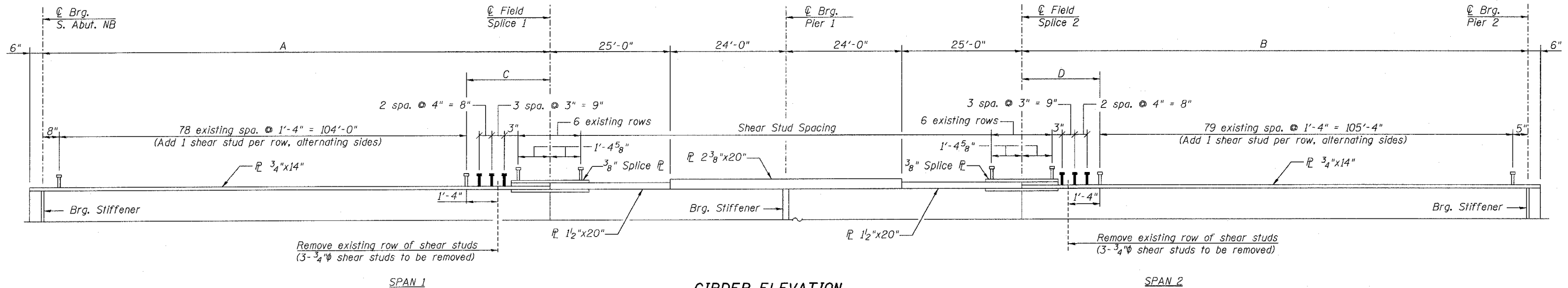


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.I. 39	50-4B	LASALLE	203	180
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		313 SHEETS

Contract # 66586



**GIRDER VARIABLES**

Girder	A	B	C	D
G6	108'-8 <sup>1</sup> / <sub>16</sub> "	109'-9 <sup>5</sup> / <sub>16</sub> "	4'-0 <sup>1</sup> / <sub>16</sub> "	4'-0 <sup>5</sup> / <sub>16</sub> "
G7	108'-6 <sup>3</sup> / <sub>8</sub> "	109'-7 <sup>5</sup> / <sub>8</sub> "	3'-10 <sup>3</sup> / <sub>8</sub> "	3'-10 <sup>5</sup> / <sub>8</sub> "
G8	108'-4 <sup>1</sup> / <sub>8</sub> "	109'-5 <sup>5</sup> / <sub>16</sub> "	3'-8 <sup>1</sup> / <sub>8</sub> "	3'-8 <sup>5</sup> / <sub>16</sub> "
G9	108'-1 <sup>3</sup> / <sub>4</sub> "	109'-3"	3'-5 <sup>3</sup> / <sub>4</sub> "	3'-6"
G10	107'-11 <sup>1</sup> / <sub>2</sub> "	109'-0 <sup>1</sup> / <sub>16</sub> "	3'-3 <sup>1</sup> / <sub>2</sub> "	3'-3 <sup>1</sup> / <sub>16</sub> "

\*Fillet reinforcement will be required if existing studs do not meet the minimum projection into proposed deck. See detail on sheet 168.

DESIGNED -	KWS
CHECKED -	MRB
DRAWN -	JGY
CHECKED -	MTH

**LIN ENGINEERING, LTD.**  
210 W. Chestnut  
Chatham, Illinois 62629  
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**benesch**  
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Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-685-0450  
Job # 3856

**SHEAR STUDS - SPANS 1 & 2 NB**  
**ABRAHAM LINCOLN MEMORIAL BRIDGE OVER**  
**THE ILLINOIS RIVER (PUBLIC WATERS)**  
**F.A.I. ROUTE 39 SEC. (50-4B) BR**  
**LASALLE COUNTY**  
**STATION 863+16.00**  
**STRUCTURE NO. 050-0191 (SB & NB)**

8/30/2006 9:04:26 AM x:\3800s\3856\structures\abe lincoln memorial\final\plans\studs\82NB.sht