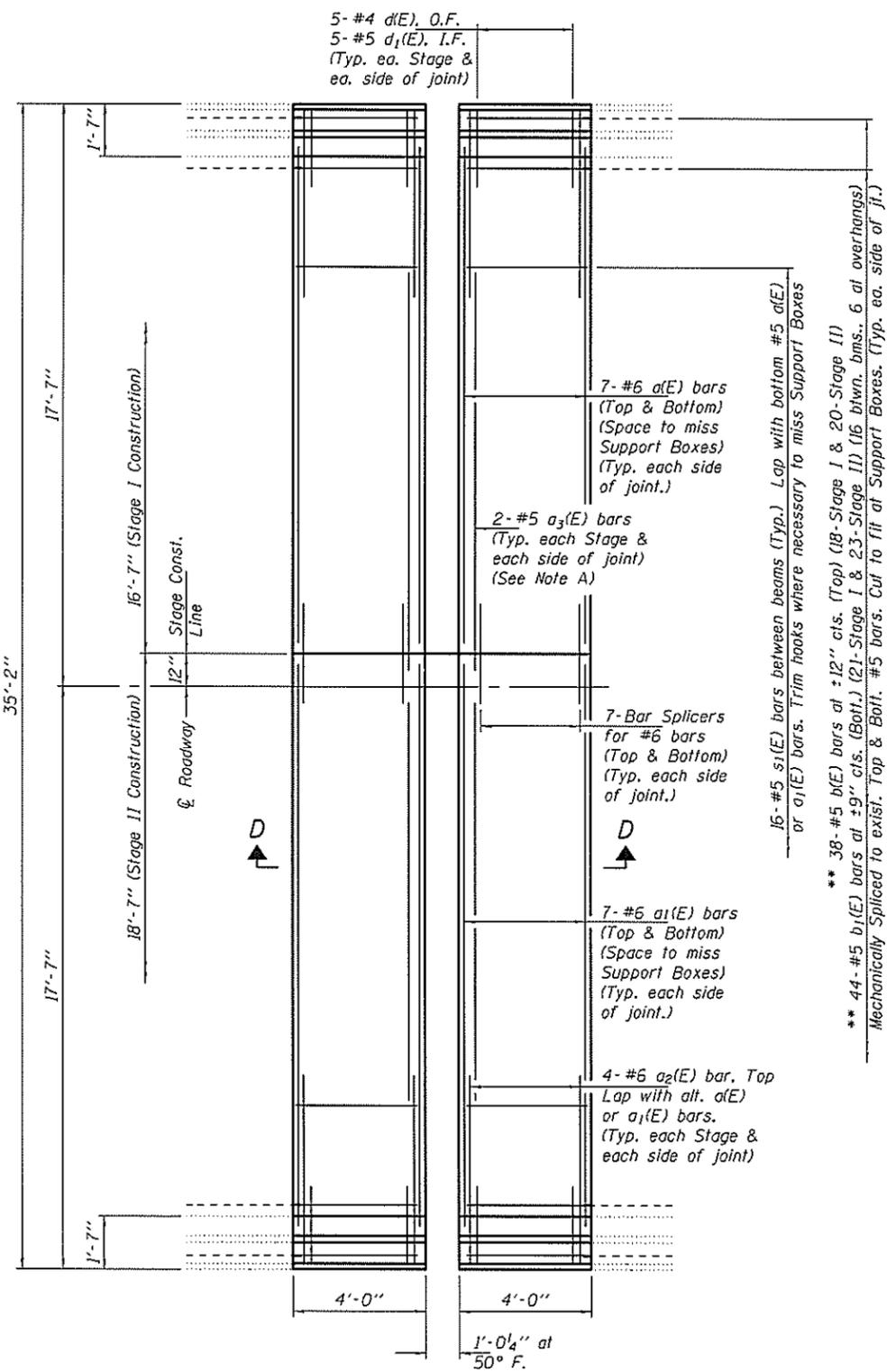
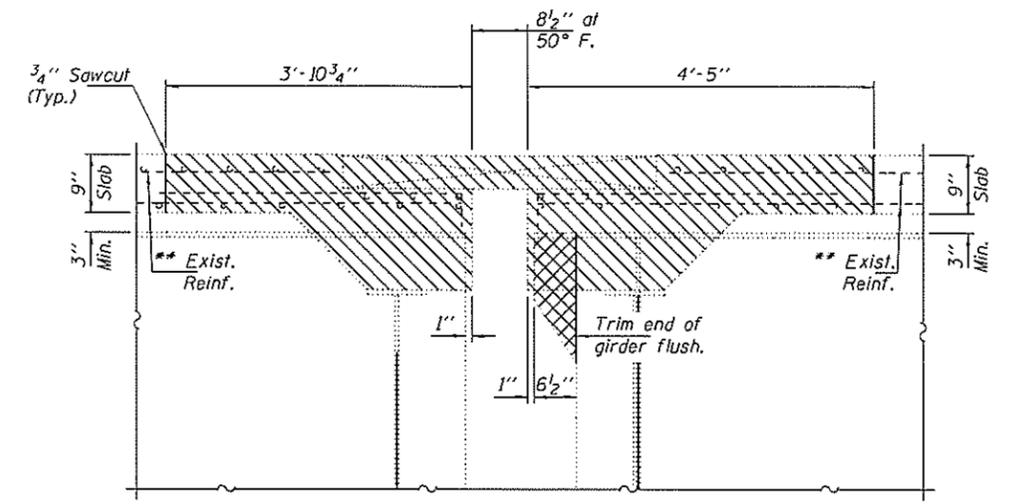


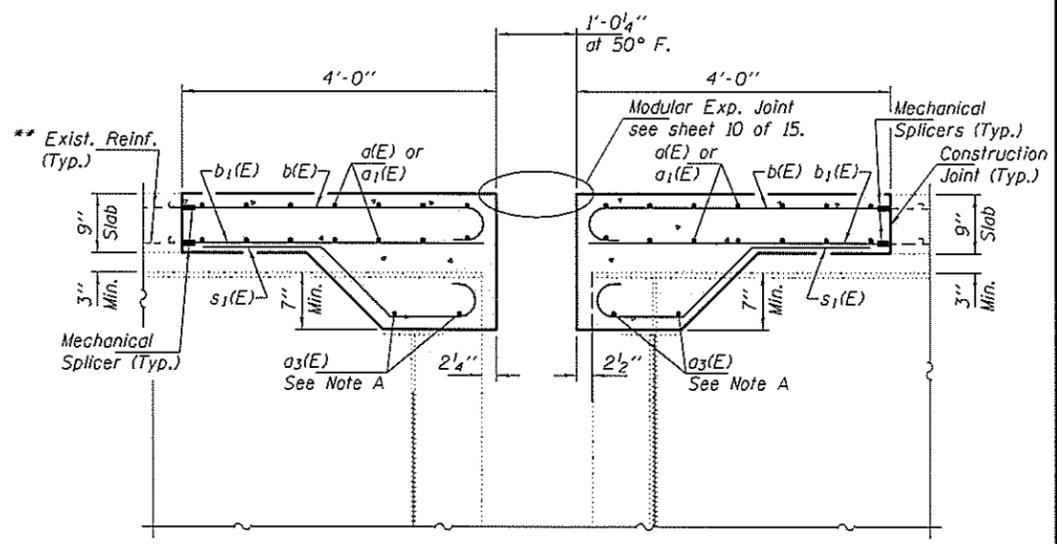
**PIERS 7 & 12 JOINT REMOVAL PLAN**  
Pier 7 shown, Pier 12 similar by rotation.



**PIERS 7 & 12 JOINT REPLACEMENT PLAN**  
Pier 7 shown, Pier 12 similar by rotation.



**SECTION C-C**  
Looking North at Pier 7  
Looking South at Pier 12



**SECTION D-D**  
Looking North at Pier 7  
Looking South at Pier 12

Note:  
Hatched areas indicate Concrete Removal.  
Cross-hatched areas indicate steel removal.  
Cost of steel removal included with Concrete Removal.

Note A:  
Place a3(E) bars below Support Boxes.  
Leave portion of bar exposed during Stage I Construction. See Section D-D.

\* Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

\*\* Cut existing reinforcement 6" from removal line to facilitate installation of Mechanical Splicers.

**BILL OF MATERIAL (EACH PIER)**

Bar	No.	Size	Length	Shape
a(E)	28	#6	15'-6"	—
a1(E)	28	#6	17'-6"	—
a2(E)	16	#6	5'-7"	—
a3(E)	8	#5	13'-8"	—
b(E)	76	#5	4'-1"	—
b1(E)	88	#5	3'-9"	—
d(E)	20	#4	6'-6"	L
d1(E)	20	#5	3'-11"	L
s1(E)	64	#5	4'-5"	—
Concrete Removal			Cu. Yd.	14.4
Concrete Superstructure			Cu. Yd.	13.7
Bar Splicers			Each	28
Mechanical Splicers			Each	164
Reinforcement Bars, Epoxy Coated			Pounds	2770

DESIGNED ATH	EXAMINED	DATE
CHECKED GGE	<i>Timothy A. Anzani</i>	JUNE 24, 2014
DRAWN Kyle M. Steffen	PASSED	REVISOR
CHECKED ATH GGE	<i>Carl Perry</i>	REVISOR

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PIERS 7 & 12 JOINT REMOVAL & REPLACEMENT DETAILS  
SN 001-0068

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(12B)JR-1-7	ADAMS	31	20
CONTRACT NO. 72G80			ILLINOIS FED. AID PROJECT	