



**END VIEW - PIER #1**  
(Looking North)

**WEST ELEVATION - PIER #1**  
(Looking East)

**WEST ELEVATION - PIER #2**  
(Looking East)

**END VIEW - PIER #2**  
(Looking North)

**PIER REPAIR ITEMS SUMMARY**

Key	Item	Unit	Pier #1		Pier #2		Total
			N. End	S. End	N. End	S. End	
①	Concrete Repair: Top, 2 Sides & Ends of Pier Caps	Sq. Ft.	34	34	34	34	
②	* Concrete Repair: 2 Sides & Ends of Pier Shafts	Sq. Ft.	24	28	10	40	
Total	* Structural Repair of Concrete depth greater than 5"	Sq. Ft.	29	31	22	37	119**
Total	* Structural Repair of Concrete depth equal to or less than 5"	Sq. Ft.	29	31	22	37	119**
③	Single Ply Fiber Reinforced Protection applied to cap and shaft ends (min. to surfaces ① and ② and 1 ft. beyond, typ.) Acrylic Coating applied to cap and shaft ends (min. to surfaces ① and ② and 1 ft. beyond, typ.)	Sq. Ft.	284		285		569
④	Repair Broken Concrete in NW Corner of Pier #1 Cap; Quantity included in ① above						
⑤	Remove existing deck beam dowels, clean & fill existing holes with non-shrink grout, and drill new holes for new deck beam dowels. Work included in Removal of Existing Superstructures.						
⑥	Underwater Structure Excavation Protection for Pier & Slope Wall Repairs	Each	Location 1: 1	Location 2: 1			2

Notes:  
 1. Reconstruct all exposed edges to match existing 3/4" chamfers.  
 2. Elevations are approximate based on 1976 plans converted to current USGS Benchmark datum.  
 \* 1'-0" (varies 0 to 18"+) actual limits and depth of concrete repair to be determined in field.  
 \*\* For totals, estimate concrete repairs split thus: 50% greater than 5" depth and 50% equal to or less than 5" depth.

DESIGNED P.J.L.  
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HWY	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH R15	08-00092-01-BR	PEORIA	16	14
STRUCTURE NO. 072-3101				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT BROS-143(050)	

**PIER REPAIR DETAILS**  
**SPOON RIVER ROAD**  
**STATION 2+25.00**