



\* Drill and grout according to Article 584 of the Standard Specifications with a minimum embedment of 6" (#5 bars) or 8" (#7 bars). Cost included with Concrete Structures.

**NOTES:**

1. Pour steps monolithically with cap.
2. See Sheet SG87 for Section A-A, Section C-C, and Section F-F.
3. See Sheet SG6 for pile layout.
4. See Sheet SG88 for Bar Bends and Bill of Material.

**PILE DATA**

Type: HP12x53 with Pile Shoes  
 Nominal Required Bearing: 293 kips  
 Allowable Resistance Available: 98 kips  
 Est. Length: 40 ft  
 No. Production Piles: 3  
 No. Test Piles: 1

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 engineers • scientists • planners

Alfred Benesch & Company  
 205 North Michigan Avenue, Suite 2400  
 Chicago, Illinois 60601  
 312-665-0450 Job No. 16093

FILE NAME :	USER NAME :	DESIGNED :	REVISIONS :
8162406_00116_RBS_Pier_8_Widening_Details.dwg	eharris	AWH	9/11/2014 AWH
PL07 DATE :	CHECKED :	DRAWN :	REVISIONS :
9/11/2014	AJK	KWS	
	CHECKED :	REVISIONS :	
	AJK		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PIER 8 WIDENING DETAILS  
 STRUCTURE NO. 016-0486

F.A.P. RT# :	SECTION :	COUNTY :	TOTAL SHEETS :	SHEET NO. :
373	2013-0388-R	COOK	821	675
CONTRACT NO. :			60J16	
ILLINOIS FED. AID PROJECT				

SHEET NO. SC85 OF SC100 SHEETS

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 1:24:22 PM 9/11/2014