



**PILE DATA**

Typ:	Steel HP 10x42
Nominal Required Bearing:	335 Kips
Factored Resistance Available:	167 Kips
Estimated Pile Length:	29'
Number of Production:	4
Number of Test Piles:	0

**NOTES**

All exposed edges shall have standard 3/4" chamfer.  
 Space reinforcement in cap to miss beam anchor dowels.  
 Wingwalls and backwalls may, at the contractor's option, be cast monolithically.  
 Hatched area and wingwalls shall be poured after deck beams are anchored in place.  
 The Steel H-Piles shall be according to AASHTO M270, Grade 50.  
 If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms.  
 Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.  
 Work this sheet with Sheet No. 15 of 19.

**BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h	6	#4	24'-4"	—
h1	24	#5	12'-0"	—
h2	8	#5	10'-4"	—
p	8	#7	24'-4"	—
p1	8	#5	24'-4"	—
s	27	#4	15'-3"	□
u	12	#6	10'-1"	□
v	50	#4	3'-3"	—
v1	20	#4	10'-11"	—
v2	4	#4	6'-11"	—
Concrete Structures	Cu. Yd.	18.4		
Reinforcement Bars	Pound	1820		
Furnishing Steel Piles HP 10x42	Foot	116		
Concrete Encasement	Cu. Yd.	7.5		
Structure Excavation	Cu. Yd.	41		
Setting Piles in Rock	Each	4		

