



**BILL OF MATERIAL - 2 PIERS**

BAR	NO.	SIZE	LENGTH	SHAPE
p	16	#7	30'-10"	—
p <sub>l</sub>	20	#4	30'-10"	—
s <sub>1</sub>	44	#5	12'-7"	□
u <sub>1</sub>	16	#6	13'-2"	▤
Concrete Structures			Cu. Yd.	25.2
Concrete Encasement			Cu. Yd.	18.6
Reinforcement Bars			Pound	2,310
Steel Piles HP10x42			Foot	450
Test Pile Steel HP10x42			Each	1

**PILE DATA**

Type: Steel HP10x42  
 No. Req'd. (2 Piers): \*10  
 Factored Resistance Available: 167 Kips/Pile  
 Nominal Req'd Bearing: 335 Kips/Pile  
 Est. Length: 50 Ft/Pile

Notes: \* Includes one test pile to be driven in permanent location at Pier 2.

The Steel H-Piles shall be according to AASHTO M270 Grade 50.

The test piles shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

See sheet 10 of 12 for pile details.