



Note: Extend h bars into abutment cap.

PILE DATA

Type: Steel Piles HP10x42 w/Pile Shoes
 No. Req'd. (2 Abuts.): 8
 Factored Resistance Available (Rf): 145 Kips/Pile
 Nominal Required Bearing (Rn): 264 Kips/Pile
 Est. Length: 45 Ft./Pile

Notes: * Includes two test piles to be driven in permanent locations at the West and East Abutments.

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

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE	
h	40	#4	5'-3"	—	
h ₁	8	#4	3'-9"	—	
h ₂	4	#4	26'-8"	—	
p	16	#7	28'-2"	—	
p ₁	20	#4	28'-2"	—	
s	36	#5	11'-7"	□	
u	15	#6	12'-1"	—	
v	24	#4	4'-2"	—	
v ₁	16	#4	3'-3"	—	
v ₂	112	#4	2'-4"	—	
Concrete Structures				Cu. Yd.	23.6
Concrete Cut-Off Wall				Cu. Yd.	6.4
Reinforcement Bars				Pound	2,530
Steel Piles HP10x42				Foot	270
Pile Shoes				Each	8
Test Pile Steel HP10x42				Each	2
Name Plates				Each	1