



SECTION A-A
 Hatched area to be poured after beams are in place.

Note: Extend h bars into abutment cap.

PILE DATA

Type: Steel HP10x42
 No. Req'd. (2 Abuts.): 8
 Factored Resistance Available (Rf): 167 Kips/Pile
 Nominal Required Bearing (Rn): 335 Kips/Pile
 Est. Length: 50 Ft/Pile

Notes: * Includes one test pile to be driven in permanent location at the West Abutment.

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.

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	30'-10"	—
p	16	#7	30'-10"	—
p ₁	20	#4	30'-10"	—
s	36	#5	11'-7"	□
u	16	#6	12'-7"	▤
v	24	#4	4'-4"	—
v ₁	16	#4	3'-6"	—
v ₂	124	#4	2'-4"	—
Concrete Structures			Cu. Yd.	25.4
Concrete Encasement			Cu. Yd.	2.8
Reinforcement Bars			Pound	2,700
Steel Piles HP10x42			Foot	350
Test Piles Steel HP10x42			Each	1
Name Plates			Each	1