



Note: Extend h bars into abut. cap.

PILE DATA

Type	Steel HP12x53
No. Req'd. (2 Abuts.)	8
Allowable Resistance Available	139 Kips/Pile
Nominal Req'd Bearing	418 Kips/Pile
Est. Length	34 Ft/Pile (W. Abut.) 33 Ft/Pile (E. Abut.)

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 pile 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	32	#4	7'-3"	—
h1	8	#4	5'-9"	—
h2	4	#4	29'-8"	—
p	20	#9	29'-8"	—
s	54	#5	9'-7"	□
u	16	#6	12'-2"	—
v	24	#4	4'-1"	—
v1	16	#4	3'-1"	—
v2	16	#4	2'-1"	—
v3	120	#4	3'-2"	—
Concrete Structures			Cu. Yd.	21.0
Concrete Encasement			Cu. Yd.	2.8
Reinforcement Bars			Pound	3,490
Steel Piles HP12x53			Foot	234
Test Pile Steel HP12x53			Each	1
Name Plates			Each	1

HAMPTON, LENZINI & RENWICK, INC.
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ELGIN • SPRINGFIELD

PROJECT NUMBER: 08.0075.130 DATE: 04/18/08
 DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.A.B.

ABUTMENTS

SECTION 07-05123-00-BR

DENISON ROAD DISTRICT

LAWRENCE COUNTY

STRUCTURE NO. 051-3282 / STATION 4+35