



BILL OF MATERIAL - W. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	28	#6	12'-0"	—
h ₁ (E)	40	#6	13'-3"	—
p(E)	10	#7	16'-4"	—
p ₁ (E)	10	#7	18'-4"	—
s ₂ (E)	31	#5	12'-7"	□
u(E)	8	#6	12'-6"	—
v ₁ (E)	62	#5	4'-4"	—
v ₂ (E)	22	#5	14'-2"	—
Concrete Structures			Cu. Yd.	20.0
Reinf. Bars, Epoxy Coated			Pound	3,170
Furnishing Steel Piles HP 12x63			Foot	135
Driving Piles			Foot	135
Test Pile Steel HP 12x63			Each	1
Concrete Encasement			Cu. Yd.	2.1
Pile Shoes			Each	6

PILE DATA

Type: Steel HP12x63 w/Pile Shoe
 No. Req'd. (W. Abut.): 6
 Allowable Resistance Available: 165 Kips/Pile
 Nominal Req'd Bearing: 496 Kips/Pile
 Est. Length: 27 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.

DESIGNED - P.S.L.
CHECKED - M.D.C.
DRAWN - D.A.B.
CHECKED - M.D.C.

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 12-37-0003-1 DATE: 07/31/08	SHEET NO. 16 20 SHEETS	F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		665	(144-B)BR	FULTON	67	32
		IL 116 OVER LITTLERS CREEK		CONTRACT NO. 68091		
		FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

**WEST ABUTMENT
STRUCTURE NO. 029-0066**