



SECTION A-A

Hatched area to be poured after beams are in place.

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h	40	#4	5'-6"	—
h1	8	#4	4'-0"	—
h2	4	#4	29'-4"	—
p	16	#7	29'-4"	—
p1	20	#4	29'-4"	—
s	42	#5	11'-7"	□
u	16	#6	12'-2"	U
v	24	#4	4'-1"	—
v1	16	#4	3'-1"	—
v2	120	#4	2'-4"	—
Concrete Structures			Cu. Yd.	24.6
Concrete Encasement			Cu. Yd.	2.8
Reinforcement Bars			Pound	2,680
Steel Piles HP12x53			Foot	420
Test Pile Steel HP12x53			Each	1
Name Plates			Each	1

PILE DATA

Type: Steel HP12x53
 No. Req'd. (2 Abuts.): 8
 Factored Resistance Available (Rf): 209 Kips/Pile
 Nominal Required Bearing (Rn): 419 Kips/Pile
 Est. Length: 60 Ft/Pile

Notes: * Includes one test pile to be driven in permanent location at the East 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 - A.S.L.
CHECKED - S.W.M.
DRAWN - D.A.B.
CHECKED - D.T.M.

**ABUTMENTS
STRUCTURE NO. 096-3446**

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS HLR 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 6 10 SHEETS	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		7	07-00116-00-BR	WAYNE	16	12
PROJECT NUMBER: 08.0219.130		DATE: 06/17/09		CONTRACT NO. 95589		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT		