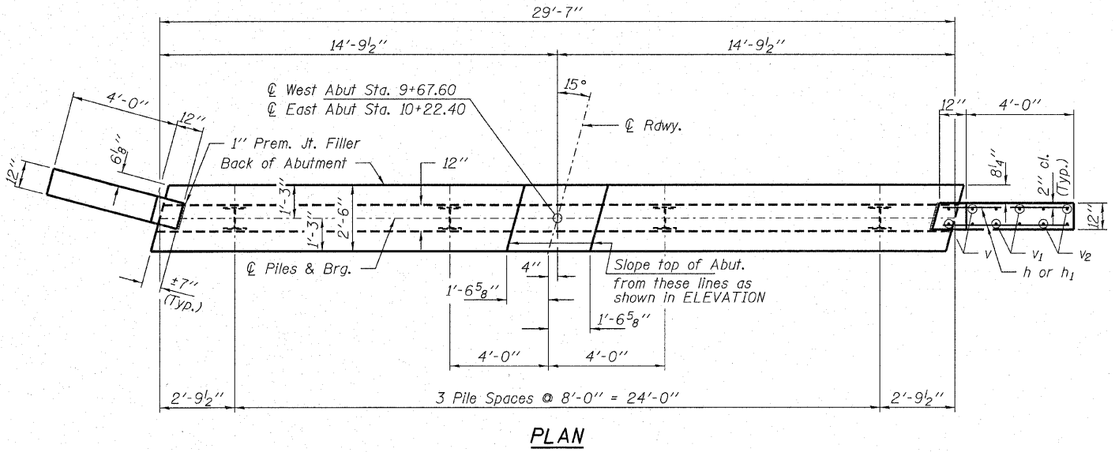
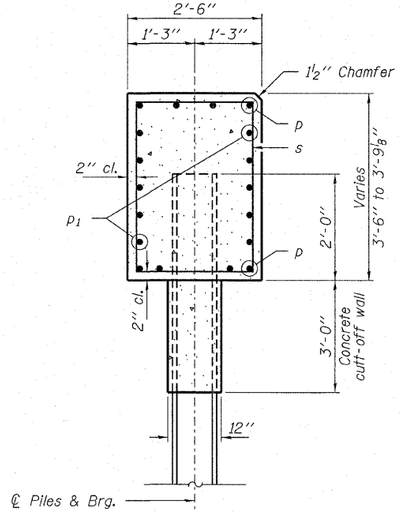
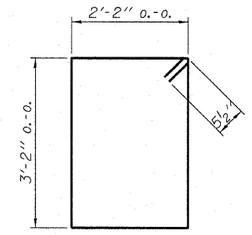


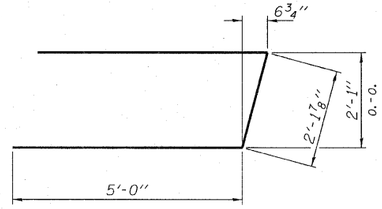
PLAN



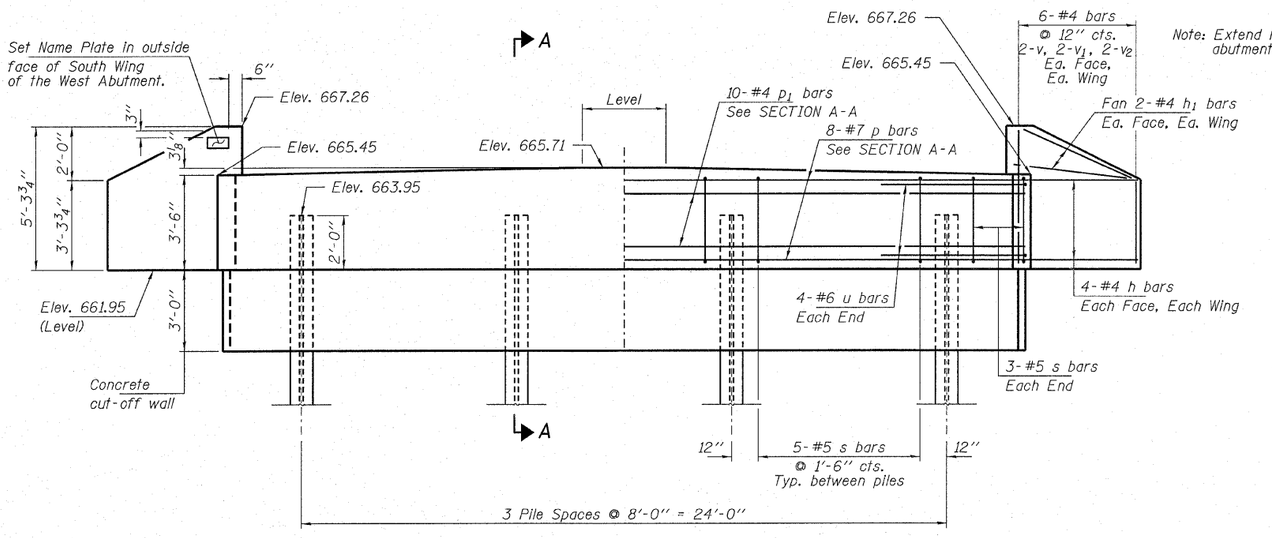
SECTION A-A



BAR s



BAR u



ELEVATION

PILE DATA

Type _____ Steel HP12x53 w/ Pile Shoes
No. Req'd. (2 Abuts.) _____ *8
Factored Resistance Available (Rf) ___ 168 Kips/Pile
Nominal Required Bearing (Rn) _____ 336 Kips/Pile
Est. Length _____ 30 Ft/Pile

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

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h	32	#4	6'-3"	——
h_1	16	#4	4'-9"	——
p	16	#7	29'-3"	——
p_1	20	#4	29'-3"	——
s	42	#5	11'-7"	□
u	16	#6	12'-2"	⊐
v	16	#4	4'-10"	——
v_1	16	#4	3'-10"	——
v_2	16	#4	3'-0"	——
Concrete Structures			Cu. Yd.	23.0
Concrete Cut-Off Wall			Cu. Yd.	6.6
Reinforcement Bars			Pound	2,450
Steel Piles HP12x53			Foot	180
Driving Piles			Foot	180
Test Pile Steel HP12x53			Each	2
Pile Shoes			Each	8
Name Plates			Each	1

ABUTMENTS
STRUCTURE NO. 092-3433

DESIGNED -	A.S.L.
CHECKED -	S.W.M.
DRAWN -	D.A.B.
CHECKED -	D.T.M.

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
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3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

PROJECT NUMBER: 08.0188.130 | DATE: 01/13/09

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	01-19135-00-BR	VERMILION	16	14
VANCE ROAD DISTRICT		CONTRACT NO. 91398		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		