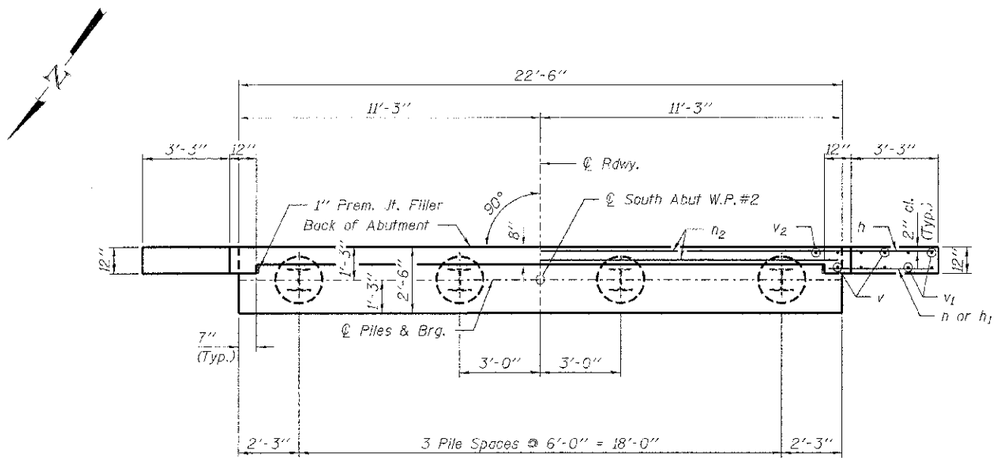
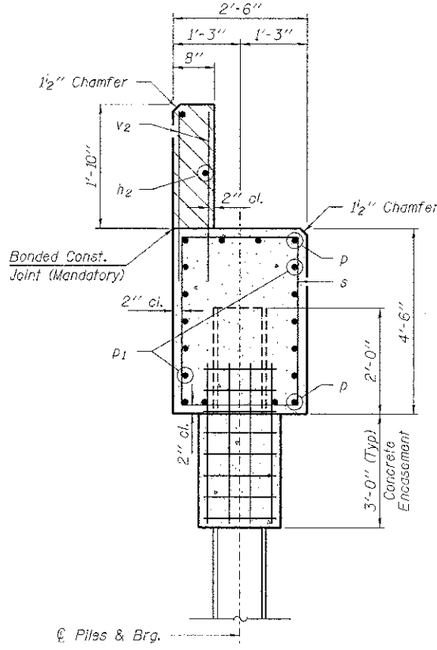
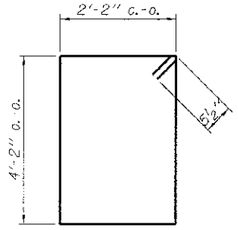


PLAN

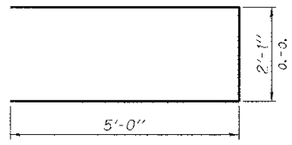


SECTION A-A

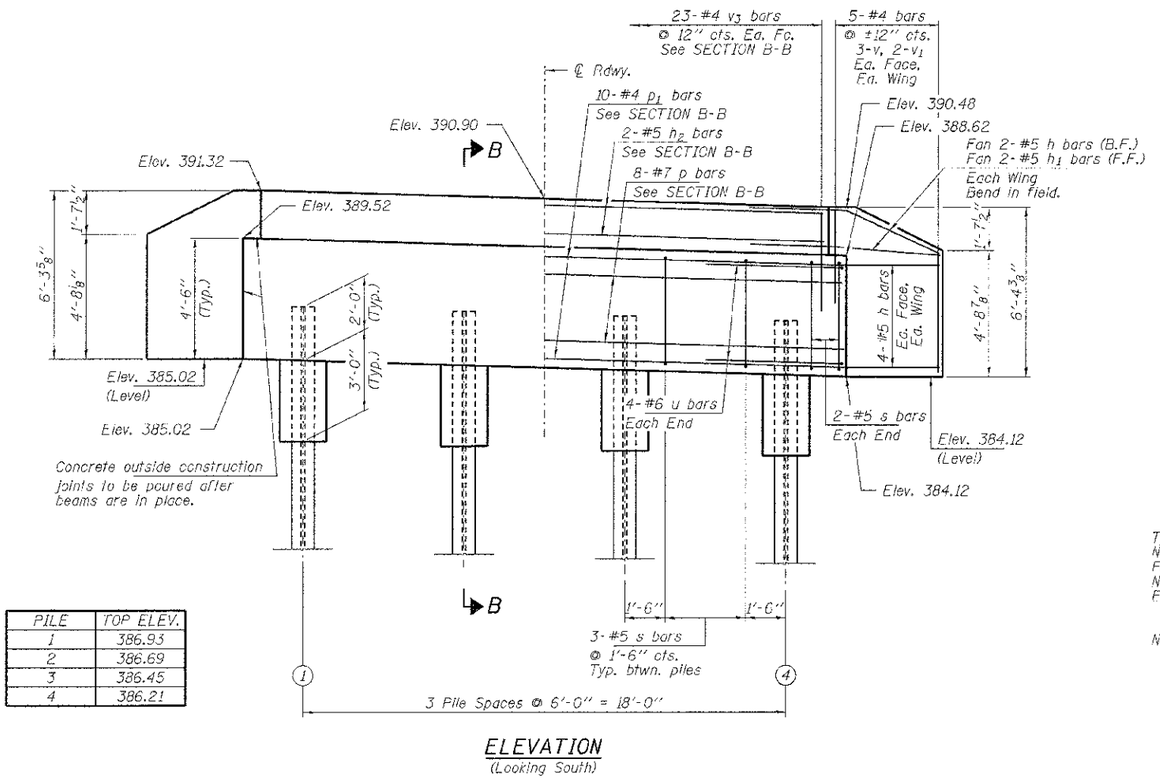
Hatched area to be poured after beams are in place.



BAR s



BAR u



ELEVATION

(Looking South)

PILE	TOP ELEV.
1	386.93
2	386.69
3	386.45
4	386.21

PILE DATA

Type ..... Steel HP10x42
No. Req'd. (S. Abut.) 4
Factored Resistance Available (Rf) ..... 184 Kips/Pile
Nominal Required Bearing (Rn) ..... 334 Kips/Pile
Est. Length ..... 45 Ft/Pile

Notes: The Steel H-Piles shall be according to AASHTO M270 Grade 50.

Note: Extend h bars into abutment cap.

BILL OF MATERIAL - S. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h	20	#5	5'-6"	
h_1	4	#5	4'-0"	
h_2	2	#5	22'-2"	
p	8	#7	22'-2"	
p_1	10	#4	22'-2"	
s	13	#5	13'-7"	
u	8	#6	12'-1"	
v	12	#4	5'-4"	
v_1	8	#4	4'-4"	
v_2	46	#4	2'-8"	
Concrete Structures			Cu. Yd.	11.9
Concrete Encasement			Cu. Yd.	1.4
Reinforcement Bars			Pound	1,170
Steel Piles HP10x42			Foot	180

FILE NAME = 112138-sht-bridge.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3605 STEVENSON DRIVE, SUITE 101 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM 184.002619		CHECKED - S.W.M.	REVISED -
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -
	PLOT DATE = 10/29/2012	CHECKED - M.C.B.	REVISED -

STATE OF ILLINOIS
JOHNSON COUNTY HIGHWAY DEPARTMENT

SOUTH ABUTMENT
STRUCTURE NO. 044-3134
SHEET NO. 7 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	10-01218-00-BR	JOHNSON	19	17
COUNTY UNIT ROAD DISTRICT		CONTRACT NO. 99476		
ILLINOIS	FED. AID PROJECT			