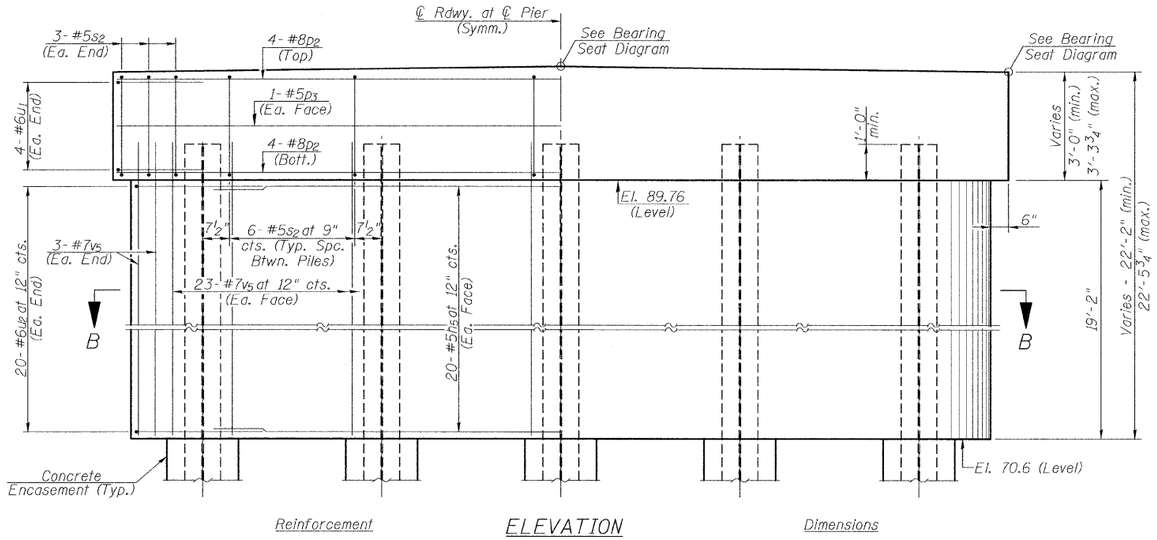
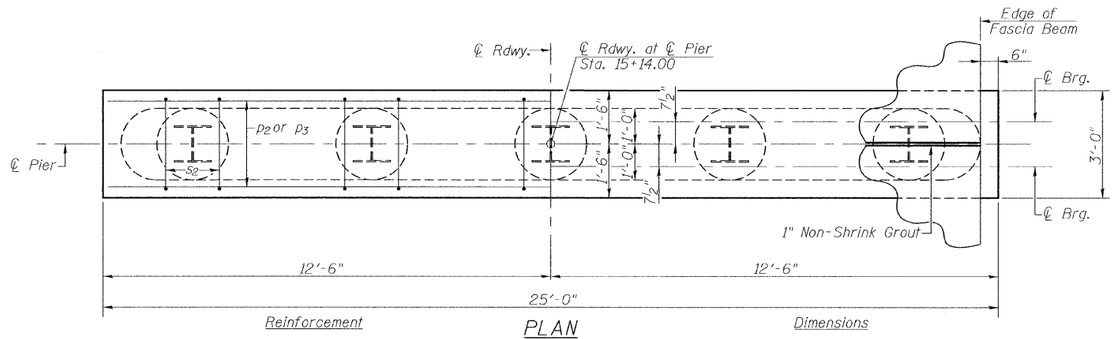
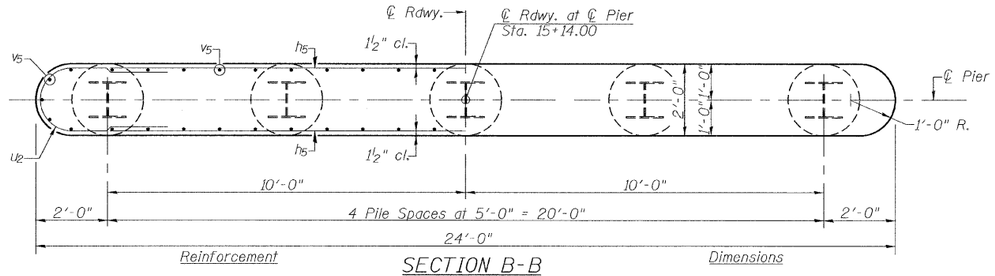
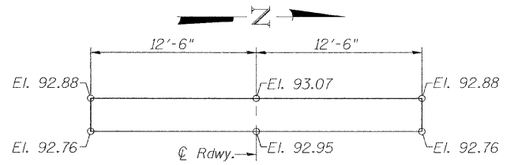




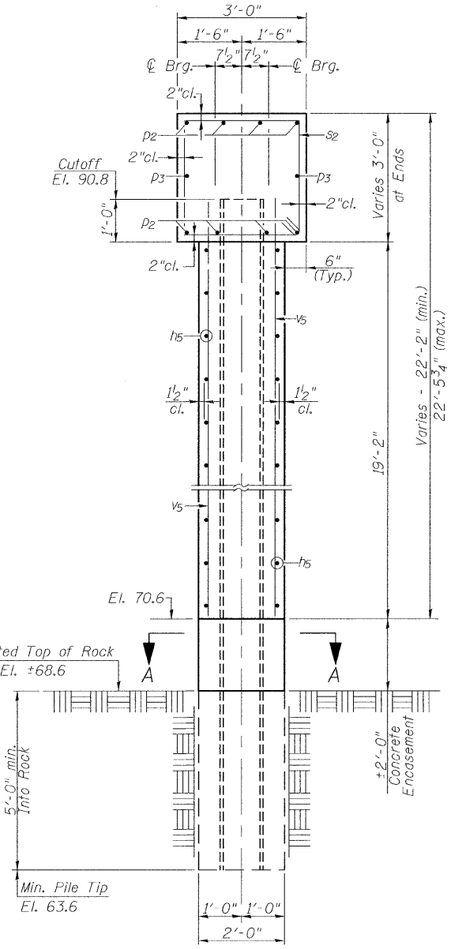


PILE DATA

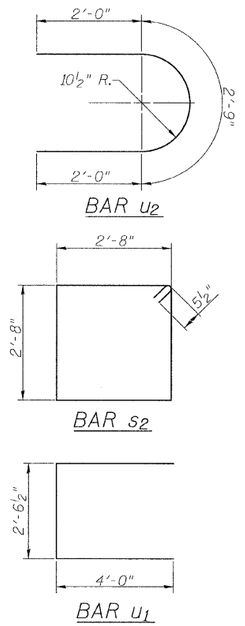
	Pier 1
Type:	Steel HP 12x53
Nominal Required Bearing:	419 Kips
Factored Resistance Available:	209 Kips
Estimated Pile Length:	33'
Number of Production:	5
Number of Test Piles:	0



BEARING SEAT DIAGRAM



SECTION THRU PIER



PIER 1 BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h_5	40	#5	21'-0"	——
p_2	8	#8	24'-8"	——
p_3	2	#5	24'-8"	——
s_2	30	#5	11'-7"	⌐
u_1	8	#6	10'-7"	⊏
u_2	40	#6	6'-9"	⊂
v_5	52	#7	21'-0"	——

Concrete Structures	Cu. Yd.	42.2
Reinforcement Bars	Pound	4590
Furnishing Steel Piles, HP 12x53	Foot	165
Underwater Structure Excavation Protection - Location 1	Each	1
Structure Excavation	Cu. Yd.	19
Setting Piles in Rock	Each	5
Concrete Encasement	Cu. Yd.	1.2

NOTES

All exposed edges shall have standard ¾" chamfer except as noted.

Space reinforcement in pier caps to miss beam anchor dowels.

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

If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

Work this sheet with Sheet No. 15 of 19.

FILE NAME =	USER NAME = $USER$	DESIGNED -	REVISED -	Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL. Design Firm No. 184-001907	PIER 1
		DRAWN -	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -		SCALE: NONE / SHEET NO. 13 OF 19 SHEETS / STA. 12+75.00 TO STA. 18+75.00
	PLOT DATE = $DATE$	DATE -	REVISED -		

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
159	07-18118-00-BR	SHELBY	19	13
S.N. 087-3567		CONTRACT NO. 95626		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

$FILE$