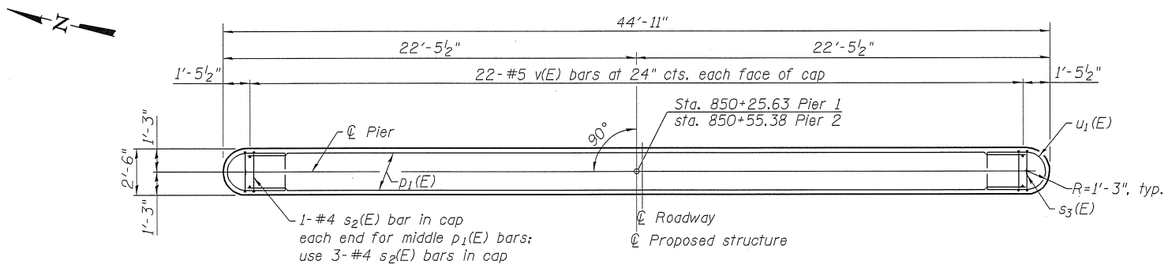
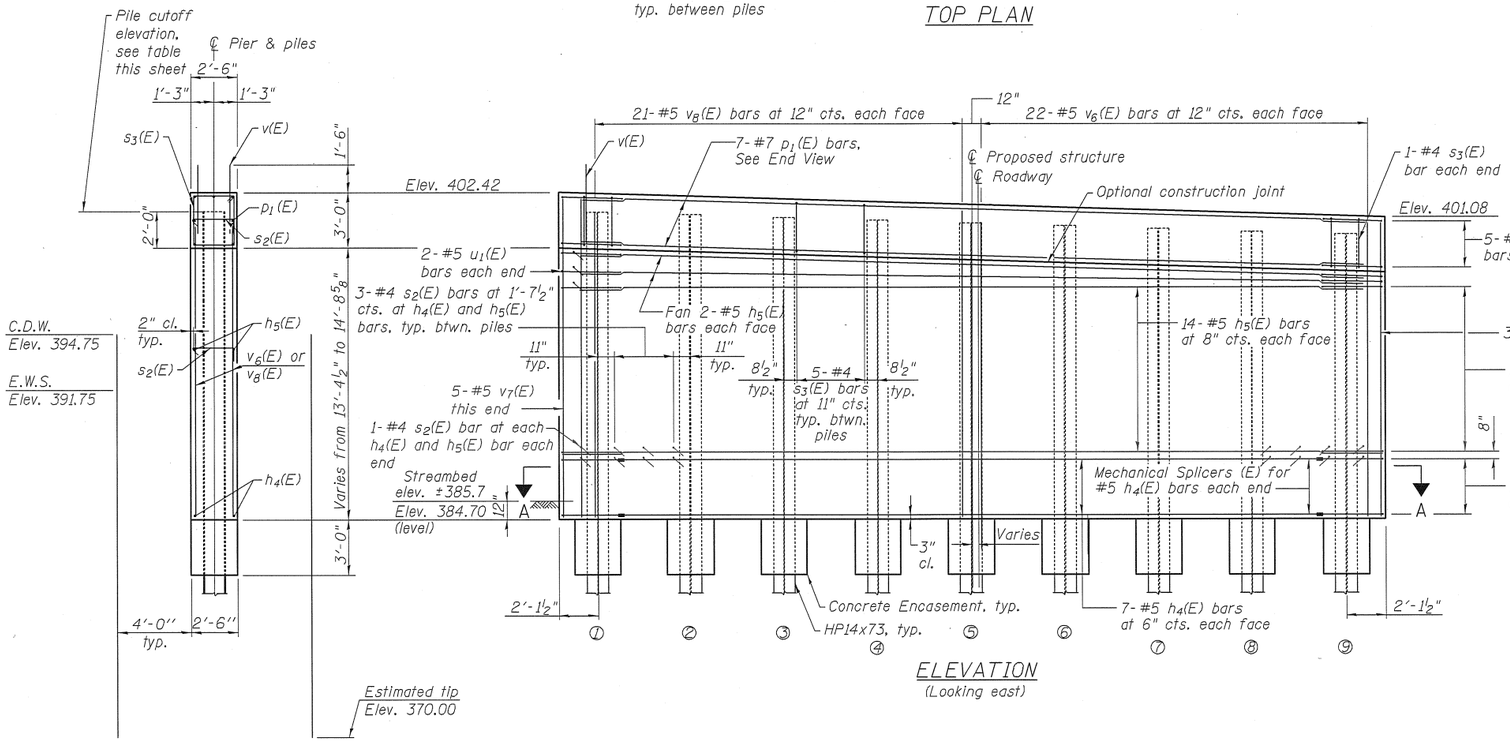


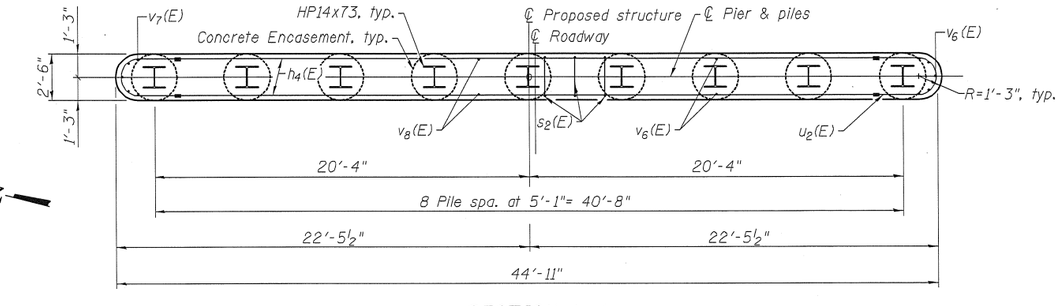
TOP PLAN



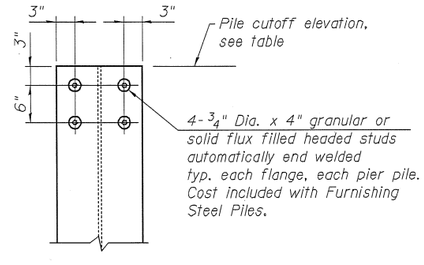
ELEVATION
(Looking east)

END VIEW

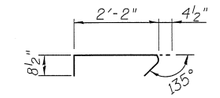
Notes:
C.D.W. is the cofferdam design water elevation.
E.W.S. is the estimated water surface elevation.



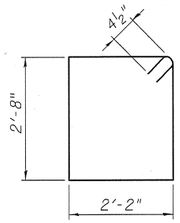
SECTION A-A



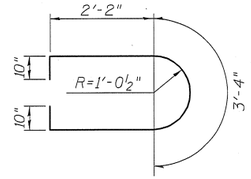
TOP OF PILE DETAIL



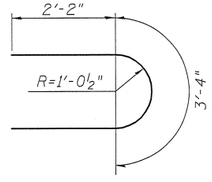
BAR $s_2(E)$



BAR $s_3(E)$



BAR $u_1(E)$



BAR $u_2(E)$

BILL OF MATERIAL
(For one pier unless noted otherwise)

Bar	No.	Size	Length	Shape
$h_4(E)$	14	#5	38'-2"	
$h_5(E)$	32	#5	42'-4"	
$p_1(E)$	7	#7	42'-4"	
$s_2(E)$	624	#4	3'-3"	
$s_3(E)$	42	#4	10'-5"	
$u_1(E)$	42	#5	9'-4"	
$u_2(E)$	14	#5	7'-8"	
v(E)	44	#5	3'-8"	
$v_6(E)$	47	#5	15'-11"	
$v_7(E)$	5	#5	17'-3"	
$v_8(E)$	42	#5	16'-7"	

		Pier 1	Pier 2
Cofferdam Excavation	Cu. Yd.	49	49
Concrete Structures	Cu. Yd.	70.1	70.1
Reinforcement Bars, Epoxy Coated	Pound	6510	6510
Furnishing Steel Piles, HP14x73	Foot	632	600
Driving Piles	Foot	632	600
Test Pile, Steel HP14x73	Each	1	1
Concrete Encasement	Cu. Yd.	4.9	4.9
Cofferdam (Type 2) (Location-1)	Each	1	
Cofferdam (Type 2) (Location-2)	Each		1

For details of piles and Concrete Encasement, see sheet 17 of 21.
For details of Mechanical Splicers, see sheet 16 of 21.

PILE DATA
Type: Steel HP14x73
Nominal Required Bearing: 578 kips
Factored Resistance Available: 318 kips
Estimated Length: 79' (Pier 1)
75' (Pier 2)
No. of Production Piles: 8 each pier
No. of Test Piles: 1 each pier

PILE CUTOFF TABLE

Pile No.	Cutoff Elevation
①	401.36
②	401.21
③	401.05
④	400.90
⑤	400.75
⑥	400.60
⑦	400.45
⑧	400.29
⑨	400.14

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - ELH 11/10	REVISED -
	ESCA JOB NO. 933.12	CHECKED - MJW/RDP 11/10	REVISED -
	PLOT SCALE = $SCALE$	DRAWN - DWH/HAS 08/11	REVISED -
	PLOT DATE = $DATE$ $TIME$	CHECKED - ELH 08/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS
STRUCTURE NO. 093-0026
SHEET NO. 14 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(103B)B-1	WABASH	53	29
		CONTRACT NO. 74220		
	ILLINOIS	FED. AID PROJECT		