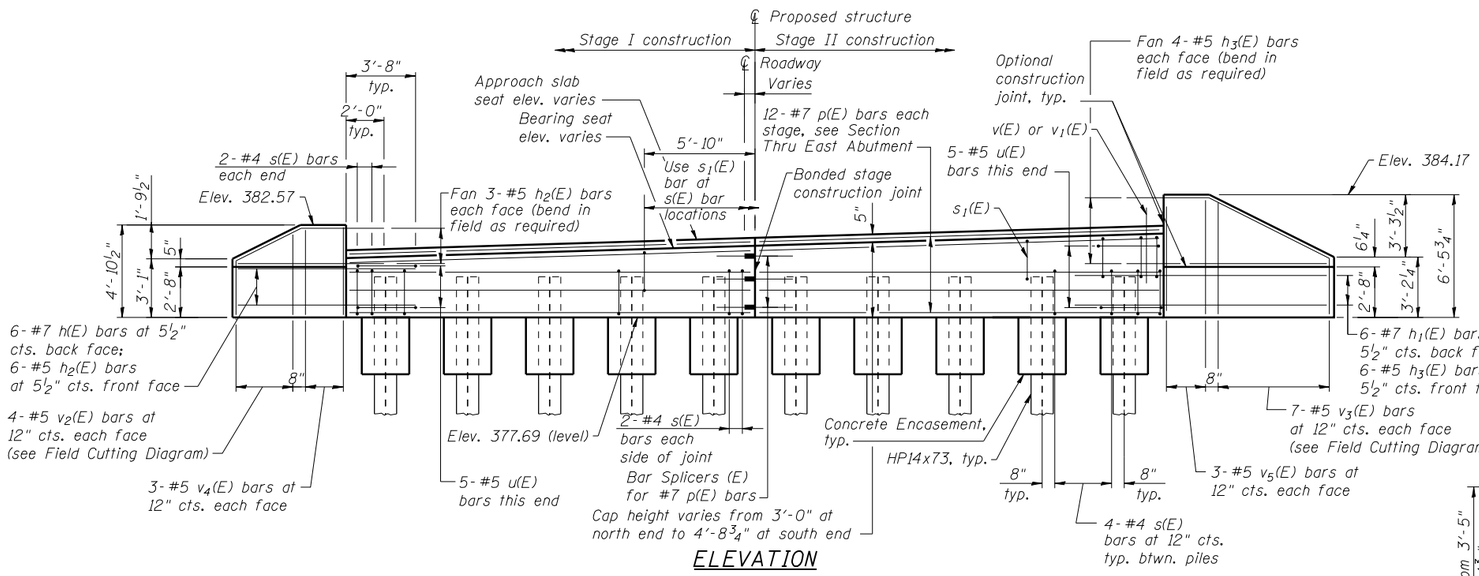
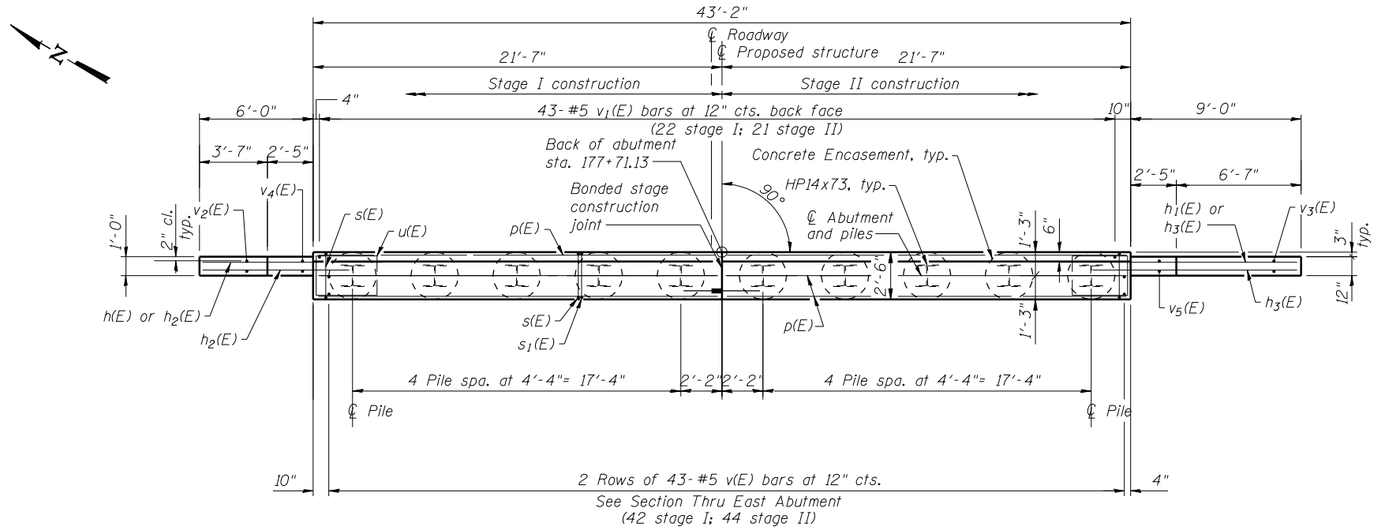
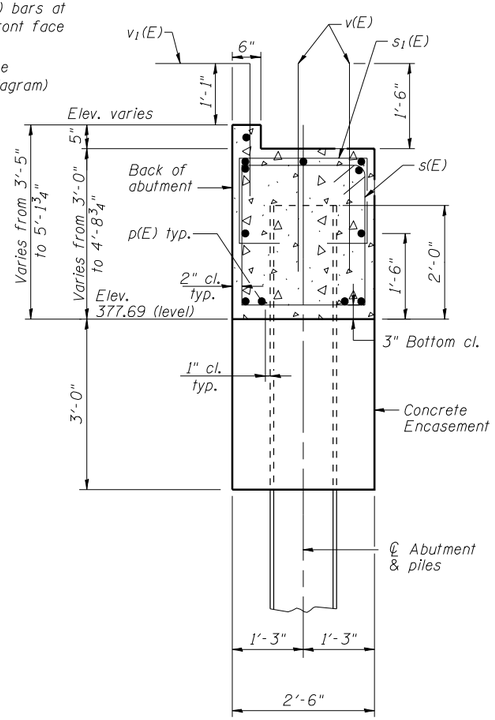


ELEVATION



PLAN



SECTION THRU EAST ABUTMENT

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#7	9'-6"	———
h_1(E)	6	#7	12'-6"	———
h_2(E)	12	#5	7'-10"	———
h_3(E)	14	#5	10'-10"	———
p(E)	24	#7	21'-4"	———
s(E)	40	#4	10'-1"	□
s_1(E)	26	#4	7'-6"	□
u(E)	10	#5	9'-5"	▭
v(E)	86	#5	3'-8"	———
v_1(E)	43	#5	4'-0"	⌐
v_2(E)	4	#5	6'-10"	———
v_3(E)	7	#5	8'-6"	———
v_4(E)	6	#5	4'-5"	———
v_5(E)	6	#5	6'-0"	———
Structure Excavation		Cu. Yd.	80	
Concrete Structures		Cu. Yd.	18.5	
Reinforcement Bars, Epoxy Coated		Pound	2740	
Furnishing Steel Piles, HP14x73		Foot	675	
Driving Piles		Foot	675	
Test Pile, Steel HP14x73		Each	1	
Concrete Encasement		Cu. Yd.	5.5	
Granular Backfill for Structures		Cu. Yd.	37	
Geocomposite Wall Drain		Sq. Yd.	26	
Pipe Underdrains for Structures, 4"		Foot	72	
Bar Splicers		Each	12	

For details of piles and Concrete Encasement, see sheet 20 of 23.
For details of Bar Splicers, see sheet 21 of 23.
For bar bending details and Field Cutting Diagram, see sheet 13 of 23.

PILE DATA

Type: Steel HP14x73
Nominal Required Bearing: 578 kips
Factored Resistance Available: 318 kips
Estimated Length: 75'
No. of Production Piles: 9
No. of Test Piles: 1