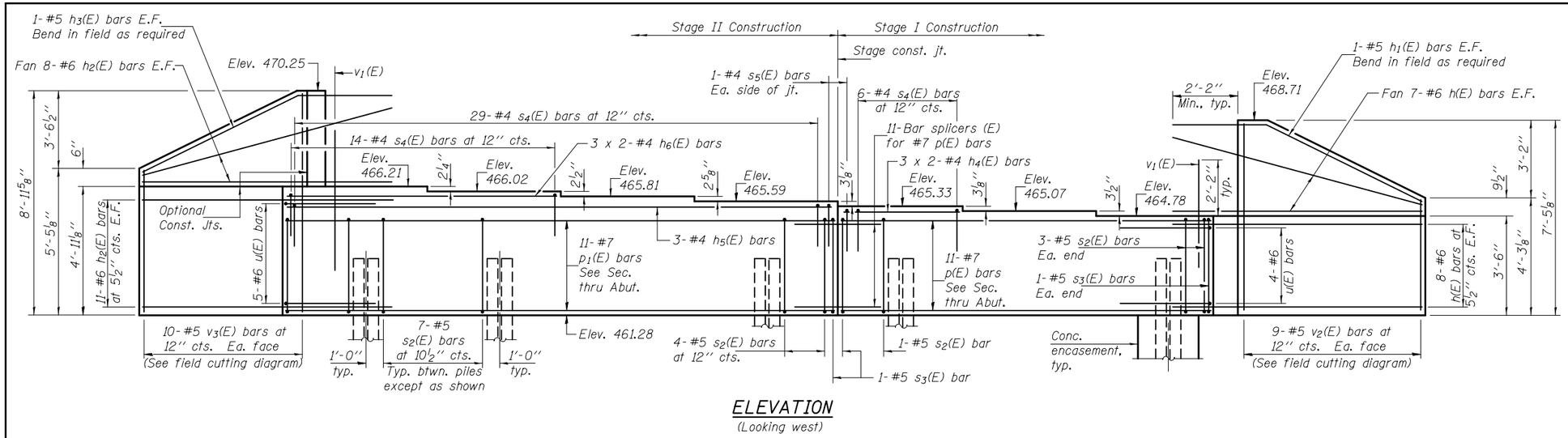
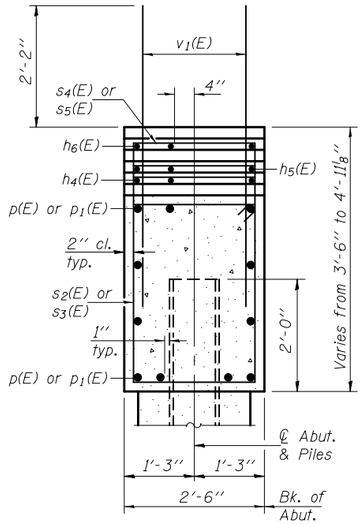


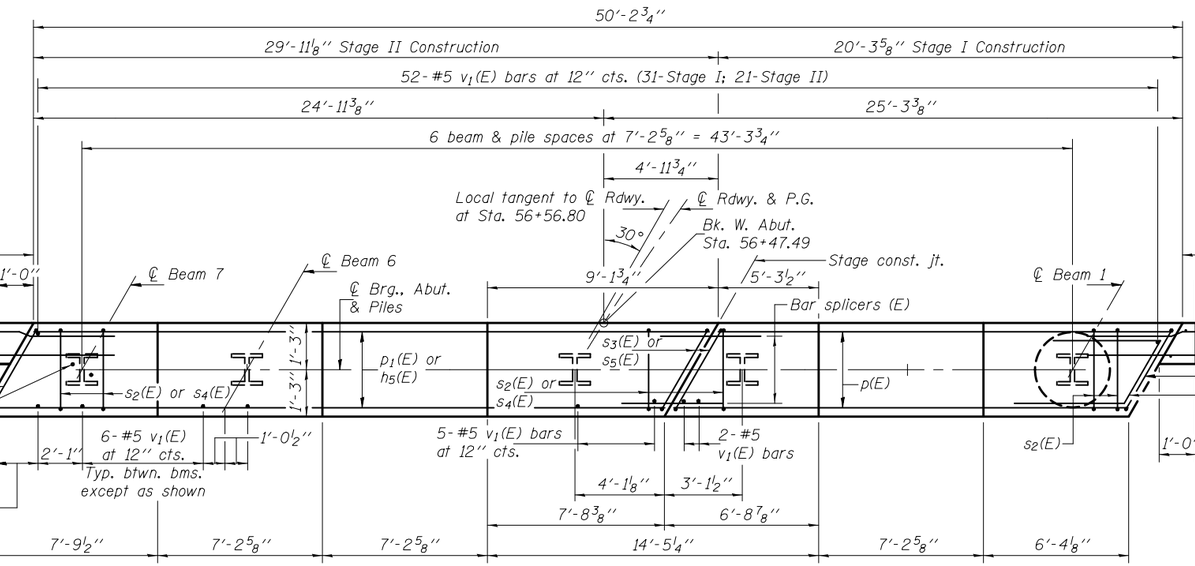
ELEVATION
(Looking west)



SEC. THRU ABUT.

PILE DATA

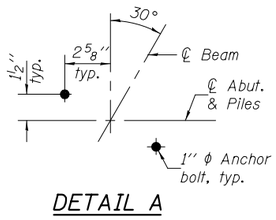
Type: Steel HP12x53
Nominal Required Bearing: 337 Kips
Factored Resistance Available: 185 Kips
Est. Length: 76'
No. Production Piles: 7
No. Test Piles: 0



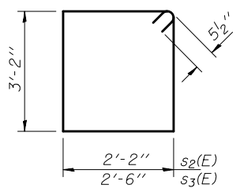
PLAN

Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.

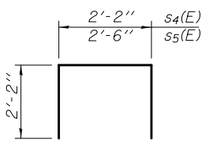
MIN. BAR LAP
#4 bar = 2'-7"



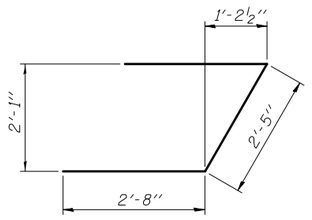
DETAIL A



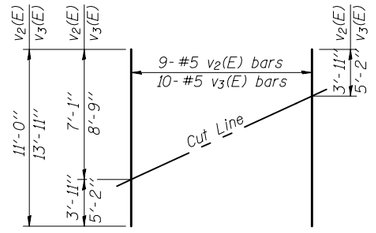
BARS s2(E) & s3(E)



BARS s4(E) & s5(E)



BAR u(E)



FIELD CUTTING DIAGRAM

Order $v_2(E)$ & $v_3(E)$ full length. Cut as shown and use remainder of bars in opposite face.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	30	#6	11'-2"	
h1(E)	2	#5	11'-5"	
h2(E)	38	#6	12'-10"	
h3(E)	2	#5	13'-1"	
h4(E)	6	#4	4'-6"	
h5(E)	3	#4	29'-8"	
h6(E)	6	#4	8'-8"	
p(E)	11	#7	20'-0"	
p1(E)	11	#7	29'-8"	
s2(E)	46	#5	11'-7"	
s3(E)	4	#5	12'-3"	
s4(E)	49	#4	6'-6"	
s5(E)	2	#4	6'-10"	
u(E)	9	#6	7'-9"	
v1(E)	95	#5	4'-4"	
v2(E)	9	#5	11'-0"	
v3(E)	10	#5	13'-11"	
Structure Excavation		Cu. Yd.		35.9
Concrete Structures		Cu. Yd.		24.6
Reinforcement Bars, Epoxy Coated		Pound		4130
Furnishing Steel Piles HP12x53		Foot		532
Driving Piles		Foot		532
Concrete Encasement		Cu. Yd.		2.5
Anchor Bolts 1"		Each		14

For details of bar splicers, see sheet 21 of 26.
For details of piles, see sheet 22 of 26.

DESIGNED	-	Stephen M. Ryan	
CHECKED	-	Fess Teklehalmanot	
DRAWN	-	h.t. duong	
CHECKED	-	GRA/SMR/FT	

EXAMINED — Thomas J. Domagalski, ENGINEER OF BRIDGE DESIGN
PASSED — C. Carl Tracy, ENGINEER OF BRIDGES AND STRUCTURES
DATE - MARCH 20, 2012
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 060-0204
SHEET NO. 19 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	93
		CONTRACT NO. 76401		
		ILLINOIS FED. AID PROJECT		