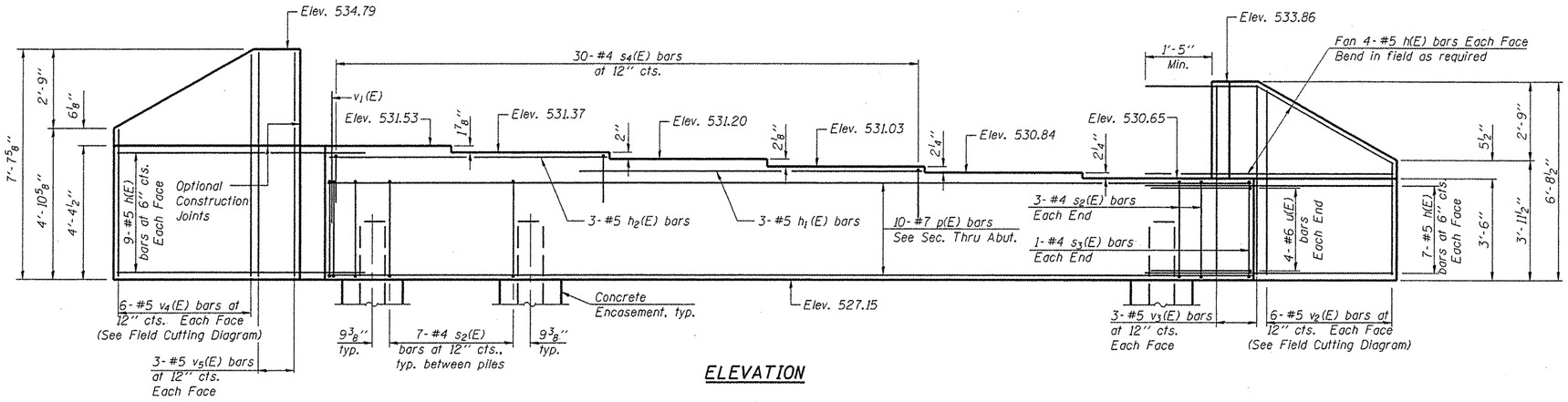
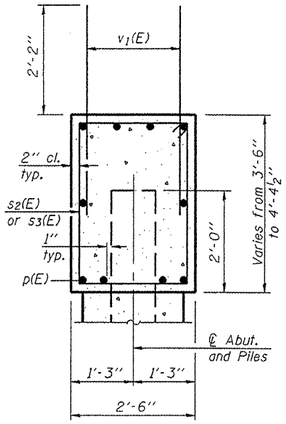
Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.

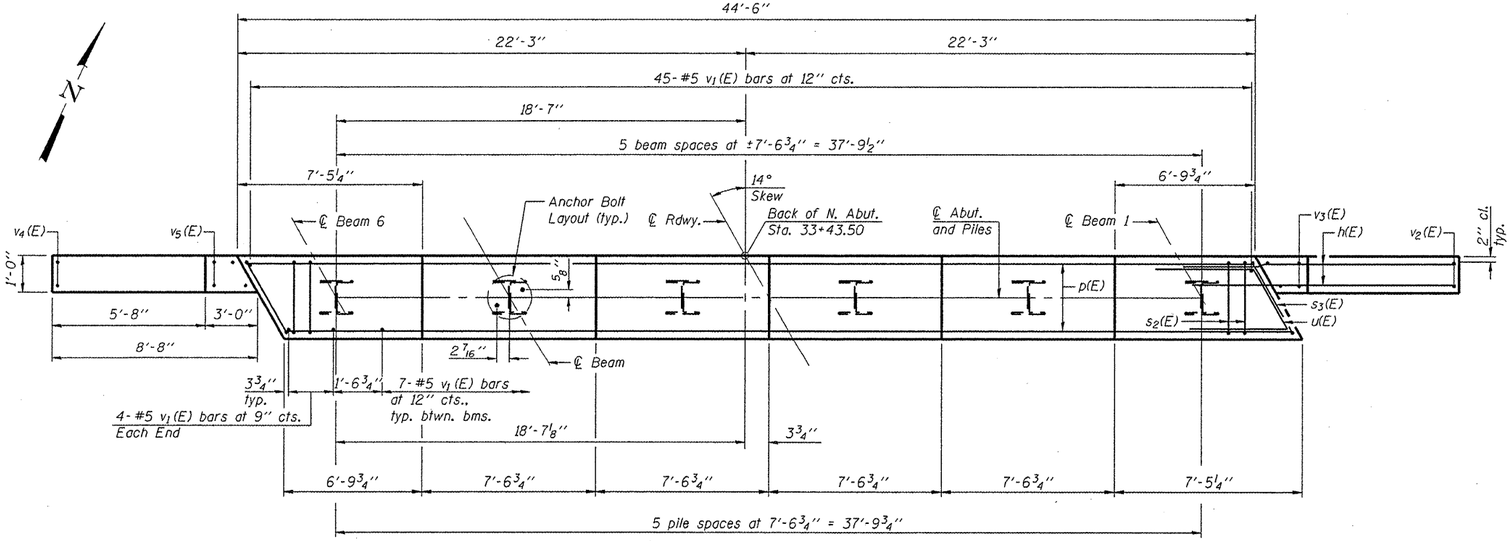
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION



SEC. THRU ABUT.



PLAN

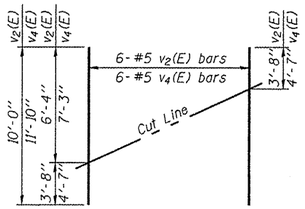
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	48	#5	10'-7"	
$h_1(E)$	3	#5	16'-10"	
$h_2(E)$	3	#5	14'-1"	
p(E)	10	#7	44'-1"	
$s_2(E)$	41	#4	11'-5"	
$s_3(E)$	2	#4	11'-7"	
$s_4(E)$	30	#4	5'-8"	
u(E)	8	#6	7'-10"	
$v_1(E)$	88	#5	4'-4"	
$v_2(E)$	6	#5	10'-0"	
$v_3(E)$	6	#5	6'-5"	
$v_4(E)$	6	#5	11'-10"	
$v_5(E)$	6	#5	7'-4"	
Concrete Structures		Cu. Yd.	20.3	
Concrete Encasement		Cu. Yd.	2.1	
Reinforcement Bars, Epoxy Coated		Pound	2680	
Furnishing Steel Piles, HP12x53		Foot	250	
Driving Piles		Foot	250	
Test Pile, HP12x53		Each	1	
Anchor Bolts, 1"		Each	12	

For details of Bar Splicers, see sheet 18 of 22.
For details of piles and Concrete Encasement, see sheet 19 of 22.

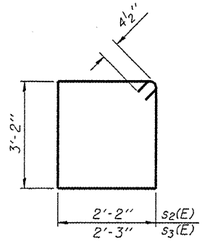
PILE DATA

Type: HP12x53
Nominal Required Bearing: 292k
Factored Resistance Available: 146k
Est. Length: 50'
No. Production Piles: 5
No. Test Piles: 1

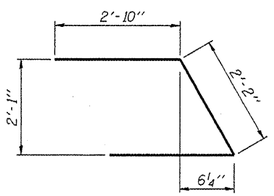


FIELD CUTTING DIAGRAM

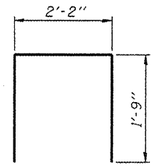
Order $v_2(E)$ and $v_4(E)$ full length. Cut as shown and use remainder of bars in opposite face.



BARS $s_2(E)$ & $s_3(E)$



BAR u(E)



BAR $s_4(E)$

DESIGNED	JAE
CHECKED	BAS
DRAWN	SGM
CHECKED	BAS

MAURER ▲ STUTZ, INC. ENGINEERS SURVEYORS

SHEET NO. 14	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22 SHEETS	156	06-07109-00-BR	TAZEWELL	53	34
			CONTRACT NO. 89472		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

NORTH ABUTMENT
STRUCTURE NO. 090-3244