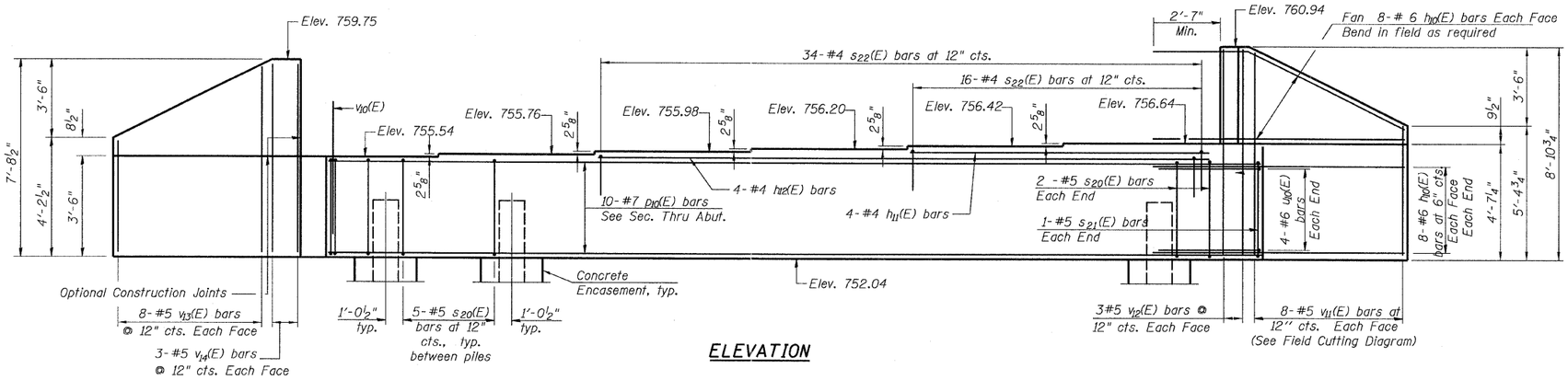
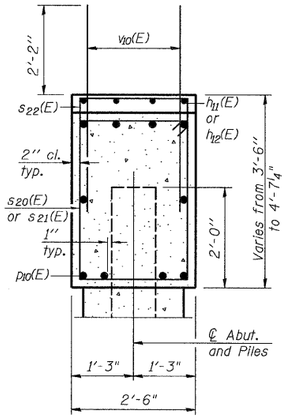
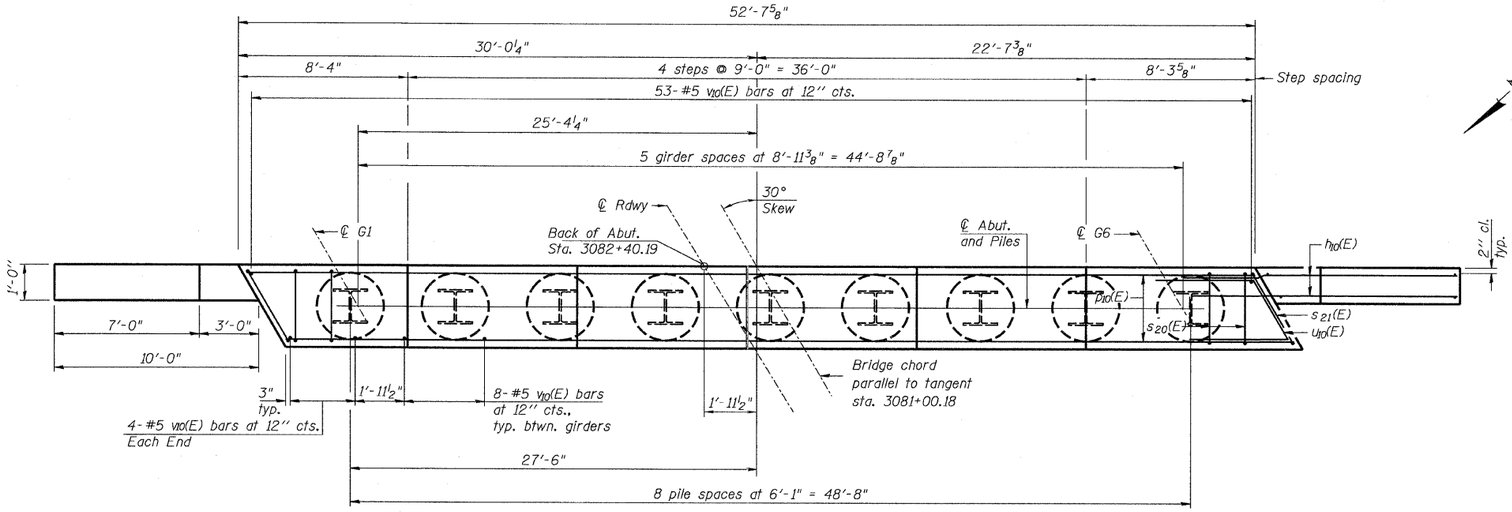
Notes:
Pour steps monolithically with cap.



ELEVATION



SEC. THRU ABUT.



PLAN

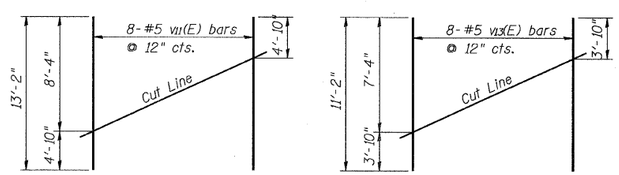
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_{10}(E)$	64	#6	12'-7"	
$h_{11}(E)$	4	#4	15'-6"	
$h_{12}(E)$	4	#4	33'-6"	
$p_{10}(E)$	10	#7	52'-3"	
$s_{20}(E)$	44	#5	11'-7"	
$s_{21}(E)$	2	#5	12'-3"	
$s_{22}(E)$	50	#4	6'-4"	
$u_{10}(E)$	8	#6	11'-2"	
$v_{10}(E)$	101	#5	4'-4"	
$v_{11}(E)$	8	#5	13'-2"	
$v_{12}(E)$	6	#5	8'-4"	
$v_{13}(E)$	8	#5	11'-2"	
$v_{14}(E)$	6	#5	7'-4"	
Structure Excavation		Cu. Yd.	126	
Concrete Structures		Cu. Yd.	25.0	
Reinforcement Bars, Epoxy Coated		Pound	4,070	
Furnishing Steel Piles, HP 14x73		Foot	384	
Driving Piles		Foot	384	
Test Pile, HP 14x73		Each	1	
Concrete Encasement		Cu. Yd.	5.0	

For details of piles and Concrete Encasement, see sheet 34 of 43.

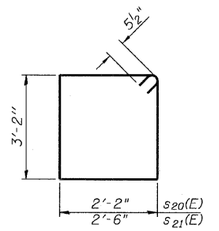
PILE DATA

Type: Steel HP 14x73
Nominal Required Bearing: 306 kips
Allowable Resistance Available: 102 kips
Est. Length: 48'-0"
No. Production Piles: 8
No. Test Piles: 1

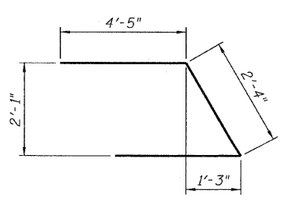


FIELD CUTTING DIAGRAM

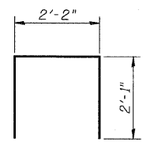
Order $v_{11}(E)$ & $v_{13}(E)$ full length. Cut as shown and use remainder of bars in opposite face.



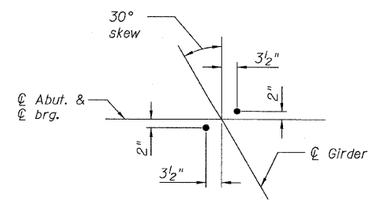
BARS $s_{20}(E)$ & $s_{21}(E)$



BAR $u_{10}(E)$



BAR $s_{22}(E)$



ANCHOR BOLT LAYOUT

FILE NAME =	USER NAME =	DESIGNED - PF	REVISED -
TYLIN INTERNATIONAL		CHECKED - DY	REVISED -
	PLOT SCALE =	DRAWN - DY	REVISED -
	PLOT DATE = 09/13/2011	CHECKED - PF	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT – WESTBOUND
STRUCTURE NO. 006-0176 EB AND 006-0177 WB
SHEET NO. 27 OF 43 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(106-5)HBR-1,VBR-(106-6)RS-3&1	BUREAU	2419	131
		CONTRACT NO. 66686		
	ILLINOIS FED. AID PROJECT			

$FILE$
$TIME$
$DATE$
...\EAbutWB.dgn 10/5/2011 7:13:25 PM