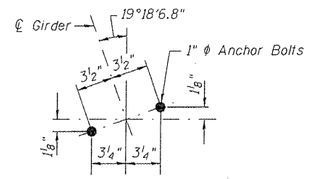
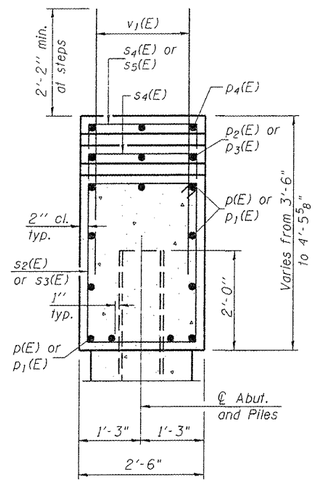


ANCHOR BOLT DETAIL



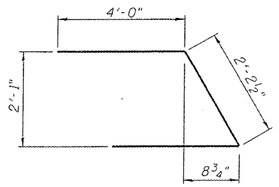
SEC. THRU ABUT.

EAST ABUTMENT BILL OF MATERIAL

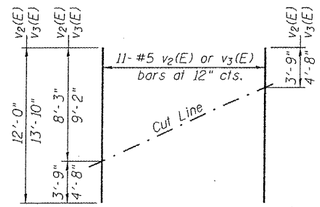
Bar	No.	Size	Length	Shape
h(E)	22	#7	13'-6"	
h1(E)	24	#6	13'-6"	
p(E)	22	#7	30'-6"	
p1(E)	22	#7	28'-4"	
p2(E)	3	#5	27'-2"	
p3(E)	3	#5	32'-3"	
p4(E)	3	#5	7'-7"	
s2(E)	96	#5	11'-7"	
s3(E)	2	#5	11'-10"	
s4(E)	64	#5	7'-2"	
s5(E)	1	#5	7'-4"	
u(E)	9	#6	10'-3"	
v1(E)	193	#5	4'-4"	
v2(E)	11	#5	12'-0"	
v3(E)	11	#5	13'-10"	
Structure Excavation		CU YD	271	
Concrete Structures		CU YD	40.4	
Reinforcement Bars, Epoxy Coated		POUND	6,920	
Furnishing Steel Piles, HP12x53		FOOT	828	
Driving Piles		FOOT	828	
Concrete Encasement		CU YD	6.7	
Test Pile Steel HP12x53		EACH	1	

MIN. BAR LAP

#7 = 5'-10"

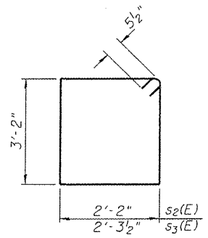


BAR u(E)

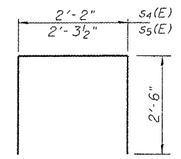


FIELD CUTTING DIAGRAM

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



BARS s2(E) & s3(E)



BARS s4(E) & s5(E)

Hutchison Engineering, Inc. Jacksonville & Shorewood, Illinois	USER NAME = tcody	DESIGNED - BAN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST ABUTMENT DETAILS STRUCTURE NO. 055-0063	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	PLOT SCALE = NONE	CHECKED - JOH	REVISED -			315	55-3HB	McDonough	103 / 57
	PLOT DATE = 8/22/2011	DRAWN - TAC	REVISED -					CONTRACT NO. 68A40	
		CHECKED - BAN	REVISED -		SHEET NO. 26 OF 35 SHEETS			ILLINOIS FED. AID PROJECT	

v:\bridge\2891-mcdonough\usi36\0550063-68418-026-E ABUT DETAILS.dgn