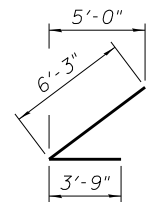


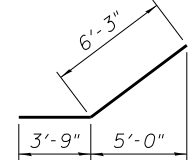
2/21/13 6 PM

3/29/2013

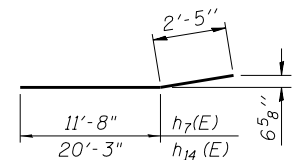
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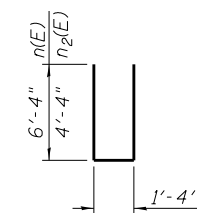
BAR h4(E)



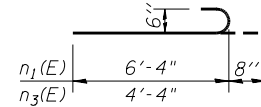
BAR h11(E)



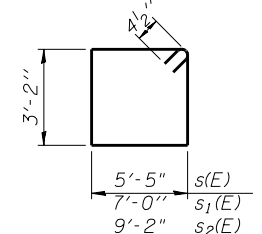
BARS h7(E)
& h14(E)



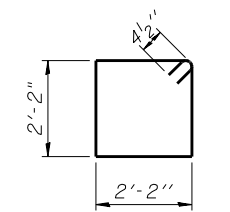
BARS n(E)
& n2(E)



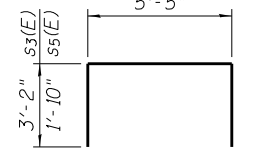
BARS n1(E)
& n3(E)



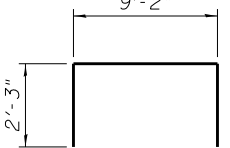
BARS s(E)
thru s2(E)



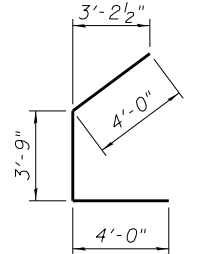
BAR s6(E)



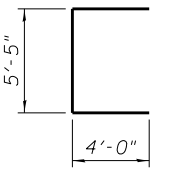
BARS s3(E)
& s5(E)



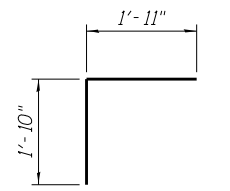
BAR s4(E)



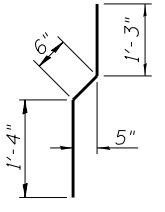
BAR u(E)



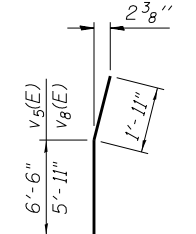
BAR u1(E)



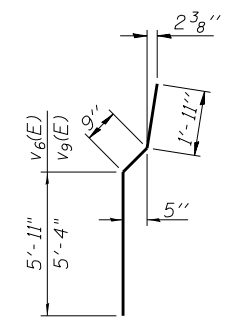
BAR v(E)



BAR v1(E)



BARS v5(E)
& v8(E)



BARS v6(E)
& v9(E)

**WEST ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	10	#5	19'-0"	—
h1(E)	5	#5	20'-10"	—
h2(E)	5	#5	8'-7"	—
h3(E)	10	#5	29'-10"	—
h4(E)	12	#5	10'-0"	∠
h5(E)	5	#6	29'-10"	—
h6(E)	14	#4	15'-8"	—
h7(E)	10	#4	14'-1"	—
h8(E)	10	#5	16'-8"	—
h9(E)	5	#5	17'-10"	—
h10(E)	10	#5	35'-11"	—
h11(E)	12	#5	10'-0"	—
h12(E)	5	#6	35'-11"	—
h13(E)	12	#4	21'-8"	—
h14(E)	8	#4	22'-8"	—
n(E)	14	#6	14'-0"	—
n1(E)	6	#6	7'-0"	—
n2(E)	20	#6	10'-0"	—
n3(E)	6	#6	5'-0"	—
p(E)	24	#7	20'-0"	—
p1(E)	6	#7	15'-4"	—
p2(E)	24	#7	24'-3"	—
p3(E)	6	#7	23'-0"	—
s(E)	60	#4	17'-11"	□
s1(E)	2	#4	21'-1"	□
s2(E)	2	#4	25'-5"	□
s3(E)	28	#4	11'-9"	□
s4(E)	2	#4	13'-8"	□
s5(E)	22	#4	9'-1"	□
s6(E)	40	#4	9'-5"	□
u(E)	4	#6	11'-9"	∠
u1(E)	4	#6	13'-5"	—
v(E)	68	#5	3'-9"	—
v1(E)	68	#4	3'-1"	—
v2(E)	68	#4	5'-3"	—
v3(E)	68	#4	6'-6"	—
v4(E)	17	#6	8'-5"	—
v5(E)	3	#6	8'-5"	—
v6(E)	13	#6	8'-7"	—
v7(E)	23	#6	7'-10"	—
v8(E)	3	#6	7'-10"	—
v9(E)	21	#6	8'-0"	—
Concrete Structures	Cu. Yd.		112.9	
Reinforcement Bars, Epoxy Coated	Pound		9,410	
Furnishing Metal Shell Piles 12" x 0.250"	Foot		1,100	
Driving Piles	Foot		1,100	
Test Pile Metal Shells	Each		1	
Concrete Sealer	Sq. Ft.		723	

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

USER NAME =	DESIGNED - TL	REVISED -
	CHECKED - BAK	REVISED -
PLOT SCALE =	DRAWN - TL	REVISED -
PLOT DATE = 03/29/2013	CHECKED - JGC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT BILL OF MATERIALS
STRUCTURE NO. 016-2470

SHEET NO. S-31 OF S-53 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	406
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				