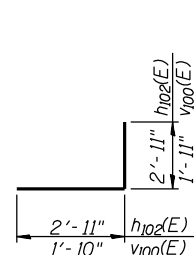
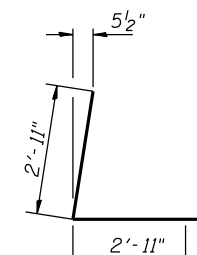


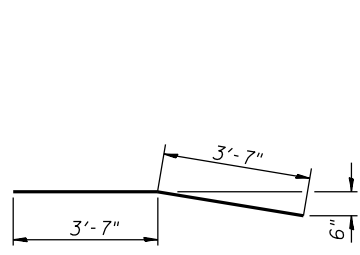
BARS h100(E)



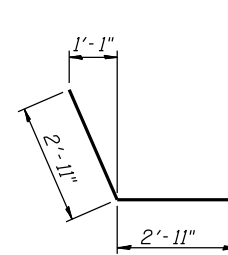
BARS h102(E) & v100(E)



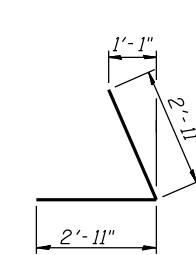
BAR h103(E)



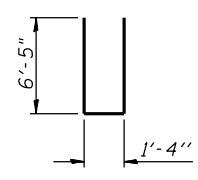
BARS h105(E)



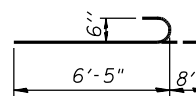
BARS h116(E)



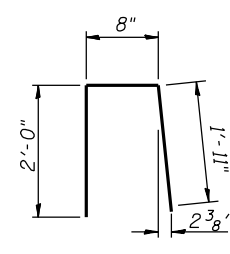
BARS h117(E)



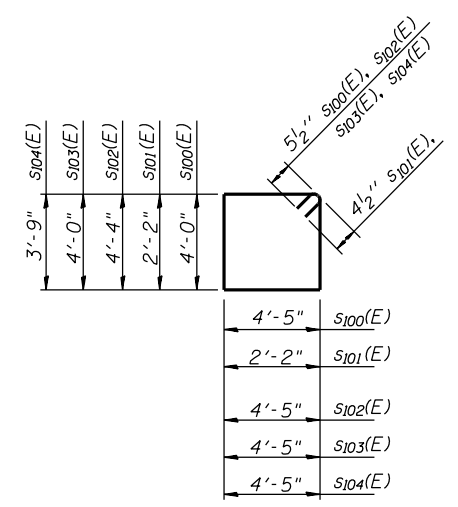
BAR n100(E)



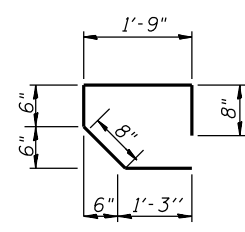
BAR n101(E)



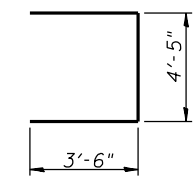
BAR n102(E)



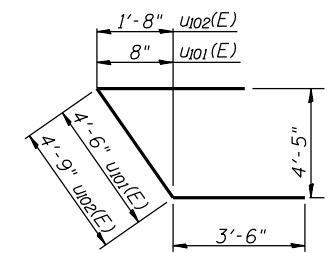
BARS s100(E) thru s104(E)



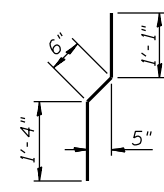
BAR s105(E)



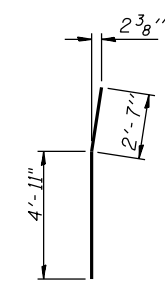
BARS u100(E)



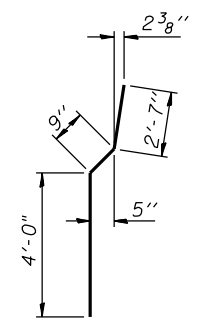
BARS u101(E), u102(E)



BARS v101(E)



BAR v133(E)



BAR v134(E)

EAST ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h100(E)	12	#6	4'-5"	
h101(E)	12	#6	4'-4"	
h102(E)	12	#5	5'-10"	
h103(E)	12	#5	5'-10"	
h104(E)	13	#6	16'-2"	
h105(E)	9	#6	7'-2"	
h107(E)	9	#6	30'-3"	
h110(E)	9	#6	34'-8"	
h112(E)	4	#6	4'-3"	
h133(E)	22	#4	11'-3"	
h134(E)	14	#4	11'-3"	
n100(E)	18	#6	15'-2"	
n101(E)	12	#6	7'-1"	
n102(E)	6	#4	4'-7"	
p100(E)	12	#7	15'-8"	
p101(E)	12	#7	14'-0"	
p102(E)	12	#7	4'-3"	
s100(E)	10	#5	17'-9"	
s101(E)	26	#4	9'-5"	
s102(E)	5	#5	18'-5"	
s105(E)	63	#4	4'-10"	
u100(E)	4	#6	11'-5"	
u101(E)	4	#6	11'-6"	
v100(E)	83	#5	3'-9"	
v101(E)	22	#4	2'-11"	
v102(E)	22	#4	5'-6"	
v103(E)	22	#4	6'-8"	
v132(E)	24	#6	7'-3"	
v133(E)	6	#6	7'-6"	
v134(E)	18	#6	7'-4"	
Reinforcement Bars, Epoxy Coated		Pound	5,140	
Furnishing - Metal Shell Piles,		Foot	192	
Driving Piles		Each	192	
Test Pile Metal Shells		Each	2	
Pile Shoes		Each	10	
Concrete Sealer		Sq. Ft.	639	
Concrete Structures		Cu. yd	35	
Porous Granular Embankment, Special		Cu. yd	180	
Pipe Under-drain for Structures 4"		Foot	94	
Geocomposite Wall Drain		Sq. yd	79	
Structure Excavation		Cu. yd	95	

WEST ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h113(E)	4	#6	17'-6"	
h114(E)	24	#6	4'-4"	
h115(E)	4	#6	15'-1"	
h116(E)	12	#5	5'-10"	
h117(E)	12	#5	5'-10"	
h118(E)	8	#6	27'-10"	
h119(E)	10	#6	27'-10"	
h120(E)	8	#6	27'-2"	
h121(E)	10	#6	27'-2"	
h133(E)	22	#4	11'-3"	
h134(E)	14	#4	11'-3"	
n100(E)	18	#6	15'-2"	
n101(E)	12	#6	7'-1"	
p101(E)	12	#7	14'-10"	
p104(E)	12	#7	19'-1"	
p106(E)	12	#7	16'-8"	
s101(E)	26	#4	9'-5"	
s103(E)	13	#5	17'-9"	
s104(E)	10	#5	17'-3"	
s105(E)	70	#4	4'-10"	
u102(E)	8	#6	11'-9"	
v100(E)	106	#5	3'-9"	
v101(E)	36	#4	2'-11"	
v102(E)	36	#4	5'-6"	
v103(E)	36	#4	6'-8"	
v132(E)	24	#6	7'-3"	
v133(E)	6	#6	7'-6"	
v134(E)	18	#6	7'-4"	
Reinforcement Bars, Epoxy Coated		Pound	6,270	
Furnishing - Metal Shell Piles,		Foot	182	
Driving Piles		Each	182	
Test Pile Metal Shells		Each	2	
Pile Shoes		Each	16	
Concrete Sealer		Sq. Ft.	804	
Concrete Structures		Cu. yd	50	
Porous Granular Embankment, Special		Cu. yd	232	
Pipe Under-drain for Structures 4"		Foot	117	
Geocomposite Wall Drain		Sq. yd	99	
Structure Excavation		Cu. yd	83	

NOTES:

1. Reinforcement Bars designated (E) shall be epoxy coated
2. For details of Bar Splicers, see sheet S86
3. For details of piles and Concrete Encasement, see sheet S85.
4. Concrete sealer shall be applied to the top of seats, front face of backwall, and front face of abutment stem.

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 6/14/2012 6:08:41PM

USER NAME =	DESIGNED - M.A.D. 6/15/2012	REVISED -
CHECKED - D.F.W. 6/15/2012	REVISED -	
PLOT SCALE =	DRAWN - E.E.J. 6/15/2012	REVISED -
PLOT DATE =	CHECKED - J.A.Z. 6/15/2012	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11VB) R-3	KANE	507	282
			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				