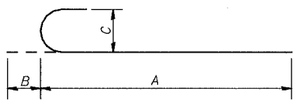
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-00IVB	COOK	579	441
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

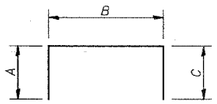
SHEET NO. 31
54 SHEETS

CONTRACT NO. 60E10



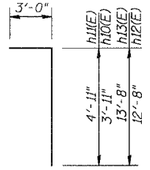
BARS n4(E), n5(E), n12(E), n13(E), n8(E) & n9(E)

Bar	A	B	C
n4(E)	11'-7"	1'-3"	11 3/4"
n5(E)	4'-6"	7"	5"
n12(E)	30'-6"	1'-5"	1'-1 1/4"
n8(E)	9'-0"	1'-5"	1'-1 1/4"
n9(E)	10'-7"	1'-3"	11 3/4"
n13(E)	29'-6"	1'-5"	1'-1 1/4"

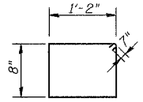


BARS u(E) through u3(E)

Bar	A	B	C
u(E)	2'-0"	4'-8"	2'-0"
u1 (E)	1'-6"	1'-8"	1'-6"
u2 (E)	5'-9"	1'-8"	5'-9"
u3 (E)	4'-6"	1'-2"	4'-6"



BARS h10(E), h11(E), h12(E) & h13(E)



BAR s(E)

BILL OF MATERIAL - SOUTH ABUTMENT

Bar	No.	Size	Length	Shape
h5(E)	70	#5	30'-0"	
h6(E)	78	#5	34'-0"	
h7(E)	8	#5	23'-6"	
h8(E)	4	#5	15'-9"	
h9(E)	4	#5	5'-3"	
h10(E)	7	#5	6'-11"	
h11(E)	7	#5	7'-11"	
h12(E)	24	#5	15'-8"	
h13(E)	24	#5	16'-8"	
h15(E)	8	#5	4'-11"	
h16(E)	2	#5	19'-6"	
h17(E)	2	#5	30'-0"	
n4(E)	131	#9	12'-10"	
n5(E)	148	#5	5'-1"	
n12(E)	240	#10	31'-11"	
n8(E)	30	#10	10'-5"	
n9(E)	112	#9	11'-10"	
n13(E)	280	#10	30'-11"	
t11(E)	163	#10	16'-5"	
t12(E)	123	#6	16'-5"	
t13(E)	18	#5	6'-0"	
s(E)	6	#5	4'-10"	
u(E)	243	#5	8'-8"	
u1(E)	102	#5	4'-8"	
u2(E)	122	#5	13'-2"	
u3(E)	2	#5	10'-2"	
v5(E)	486	#6	6'-3"	
v11(E)	12	#6	9'-0"	
v14(E)	28	#5	10'-9"	
v15(E)	36	#8	10'-9"	
v16(E)	66	#5	8'-3"	
v17(E)	57	#5	7'-3"	
v18(E)	2	#5	2'-3"	
w10(E)	72	#7	35'-0"	
w11(E)	72	#7	31'-0"	
w12(E)	36	#7	10'-0"	
w14(E)	6	#5	14'-0"	
sp6	14	#5	26'-2"	
sp7	12	#5	27'-2"	

Porous Granular Embankment	Cu. Yd.	808
Concrete Structures	Cu. Yd.	452.1
Reinforcement Bars	Pound	13,970
Reinforcement Bars, Epoxy Coated	Pound	125,560
Geocomposite Wall Drain	Sq. Yd.	195
Braced Excavation	Cu. Yd.	1462
Drilled Shaft in Soil	Cu. Yd.	360
Drilled Shaft in Rock	Cu. Yd.	37
Structure Excavation	Cu. Yd.	430
Bar Splicers	Each	82
Non-Special Waste Disposal	Cu. Yd.	469.0

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Work this sheet with sheets 29 and 30.
3. See sheet 1 for limits of Braced Excavation and Structure Excavation.
4. See Sheet 24 of U.S. 6 Mainline Retaining Walls Along 159th Street plans for Pipe Underdrain Layout and Quantities.
5. See Sheet 45 for details of Porous Granular Embankment and Pipe Underdrain for Structures 6".

DESIGNED	EV
CHECKED	NPP
DRAWN	EV
CHECKED	NPP

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

SOUTH ABUT. DETAILS
SN 016-2820

STRUCTURES FOR CN INTERMODAL
YARD VEHICLES OVER U.S. RTE. 6 (159TH STREET)

STATION 95+02.14 STRUCTURE NOS. 016-2820 & 016-2821
SCALE: N.T.S. DATE: 2/21/2008

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