



**ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	12	#5	33'-2"	—
h1(E)	14	#5	4'-7"	└
h2(E)	14	#5	6'-0"	└
h3(E)	22	#4	15'-10"	—
h4(E)	10	#6	33'-6"	—
h5(E)	22	#4	10'-5"	—
n(E)	29	#6	7'-9"	└
p(E)	16	#7	36'-10"	—
p1(E)	3	#7	32'-8"	—
p2(E)	6	#7	18'-6"	—
p3(E)	6	#7	13'-6"	—
s(E)	58	#4	15'-11"	□
s1(E)	29	#4	9'-5"	□
s2(E)	34	#4	7'-5"	└
u(E)	4	#6	18'-1"	└
u1(E)	4	#6	11'-2"	└
v(E)	63	#5	3'-9"	└
v1(E)	63	#4	3'-2"	└
v2(E)	29	#6	7'-6"	└
v3(E)	29	#6	7'-6"	└
v4(E)	63	#4	5'-1"	└
v5(E)	63	#4	7'-0"	└
Concrete Structures		Cu. Yd.	73.2	
Reinforcement Bars, Epoxy Coated		Pound	6,280	
Furnishing Metal Shell Piles, 12"x0.179"		Foot	1,045	
Driving Piles		Foot	1,045	
Test Pile		Each	1	
Concrete Sealer		Sq. Ft.	685	

For details of Bar Splicers, see Sheet No. 31.
For details of piles see Sheet No. 30.

PILE DATA

Type: Metal Shell Piles 12" ϕ x .0179"
Nominal Required Bearing: 218 kips
Factored Resistance Available: 120 kips
Est. Length: 55'
No. Production Piles: 19
No. Test Piles: 1

ABNA
DESIGN FIRM REG. 184.002117
9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788
F: 773.239.3728

DESIGNED - SEA	REVISED -
CHECKED - RJL	REVISED -
DRAWN - SCS	REVISED -
CHECKED - SEA	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NORTH ABUTMENT PLAN AND ELEVATION
STRUCTURE NO. 016-1101**
SHEET NO. 26 OF 36 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	1515.1-B	COOK	101	69
STA. TO STA.	CONTRACT NO. 60M79			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			