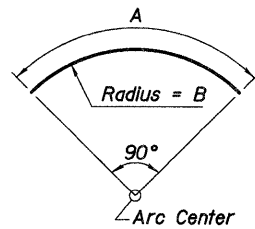


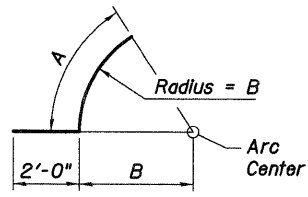
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-20-BR	KANE	320	152
STA. 511+80.00		TO STA. 609+14.92		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
SHEET NO. 547 OF 5108				

PIER 3 BILL OF MATERIAL

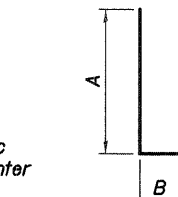
Bar	No.	Size	Length	Shape	A	B	C
h21(E)	28	# 7	32'-4"				
h22(E)	5	# 5	28'-1"				
h23(E)	28	# 5	6'-0"				
h24(E)	10	# 5	24'-9"		24'-9"	15'-9"	
h25(E)	20	# 5	6'-6"		4'-6"	4'-6"	
h29(E)	30	# 6	31'-2"				
h30(E)	8	# 6	19'-2"				
h33(E)	5	# 5	14'-2"		14'-2"	9'-0"	
h34(E)	10	# 5	5'-0"		3'-0"	2'-6"	
n21(E)	144	# 10	13'-7"		11'-9"	1'-10"	
p21(E)	24	# 11	34'-6"				
p22(E)	14	# 10	20'-9"		18'-11"	1'-10"	
p23(E)	7	# 10	34'-10"				
p27(E)	26	# 9	24'-6"				
p28(E)	13	# 11	50'-0"				
p29(E)	26	# 11	41'-9"				
p30(E)	13	# 9	18'-0"				
p31(E)	7	# 10	20'-6"				
p35(E)	7	# 10	22'-4"		21'-0"	1'-4"	
s21(E)	30	# 5	25'-7"		8'-2"	4'-2"	0'-5 1/2"
s22(E)	172	# 4	4'-11"		0'-4 1/2"	4'-2"	0'-4 1/2"
s23(E)	48	# 4	8'-11"		0'-4 1/2"	8'-2"	0'-4 1/2"
s24(E)	24	# 5	14'-6"		5'-2"	4'-2"	
s25(E)	24	# 5	13'-4"		4'-7"	4'-2"	
s26(E)	12	# 5	12'-4"		4'-1"	4'-2"	
s27(E)	24	# 4	5'-4"		0'-4 1/2"	4'-11 1/2"	
s28(E)	24	# 4	4'-9"		0'-4 1/2"	4'-4 1/2"	
s29(E)	12	# 4	4'-4"		0'-4 1/2"	3'-11 1/2"	
s30(E)	142	# 6	22'-2"		7'-5"	3'-0"	0'-8"
s33	462	# 6	21'-4"				
s34	924	# 6	7'-4"		0'-8"	6'-0"	0'-6"
s35(E)	288	# 6	23'-10"		4'-7"	6'-8"	0'-8"
s40(E)	31	# 5	19'-7"		5'-2"	4'-2"	0'-5 1/2"
s41(E)	21	# 5	13'-8"		4'-9"	4'-2"	
s42(E)	13	# 4	5'-11"		0'-4 1/2"	5'-2"	0'-4 1/2"
s43(E)	24	# 5	10'-4"		3'-1"	4'-2"	
s44(E)	24	# 4	3'-3"		0'-4 1/2"	2'-10 1/2"	
s45(E)	28	# 6	15'-2"		3'-11"	3'-0"	0'-8"
s47(E)	18	# 5	10'-11"		3'-4 1/2"	4'-2"	
s48(E)	18	# 4	3'-6 1/2"		0'-4 1/2"	3'-2"	
u21(E)	27	# 6	11'-2"		3'-6"	4'-2"	
u22(E)	16	# 6	15'-8"		5'-9"	4'-2"	
u23(E)	29	# 5	7'-10"		1'-10"	4'-2"	
u24(E)	24	# 6	7'-0"		1'-6"	4'-0"	
u25(E)	14	# 5	7'-0"				
u26(E)	14	# 5	9'-2"		1'-4"	6'-6"	
u29(E)	14	# 5	7'-1"		1'-4"	4'-5"	
u30(E)	7	# 5	4'-6"				
v22(E)	144	# 7	7'-0"				
v23	216	# 10	30'-0"				
v29	216	# 11	33'-5"		1'-7"	31'-10"	1'-2 3/4"
v30(E)	106	# 10	28'-11"				
v31(E)	38	# 10	19'-11"				



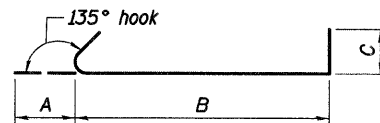
BARS h24(E) & h33(E)



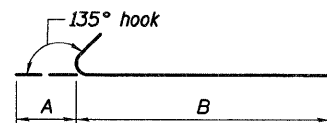
BARS h25(E) & h34(E)



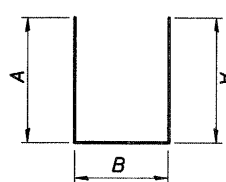
BARS n21(E), p22(E) & p35(E)



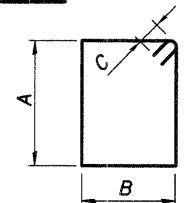
BARS s22(E) s23(E) & s42(E)



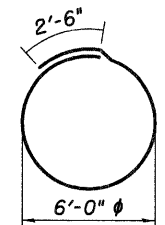
BARS s27(E) to s29(E) & s44(E)



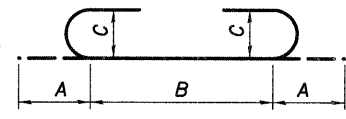
BARS s24(E) to s26(E), s41(E), s43(E), s47(E), u21(E) to u24(E), u28(E) & u29(E)



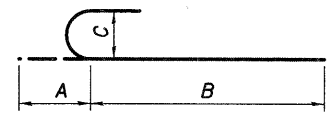
BARS s21(E), s30(E), s35(E), s40(E) & s45(E)



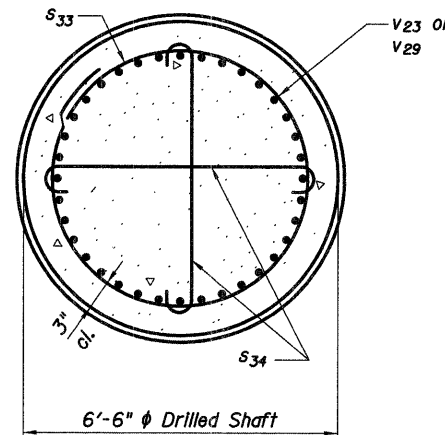
BAR s33(E)



BARS s34(E)



BARS v29(E)

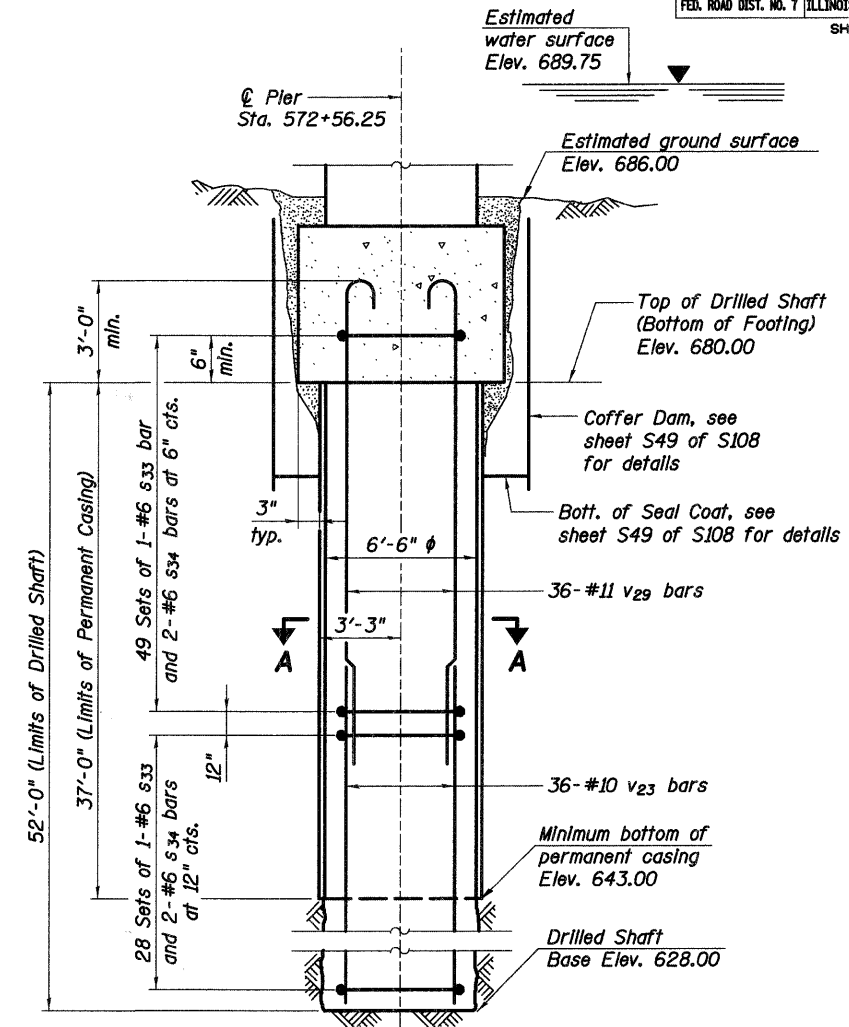


SECTION A-A

MINIMUM BAR LAP

- #4 = 1'-4"
- #5 = 1'-8"
- #6 = 2'-0" (U.N.O.)
- #6 = 2'-6" (Drilled Shaft only)
- #7 = 2'-9"
- #8 = 4'-6"
- #9 = 4'-9"
- #10 = 5'-10" (Pier Cap & Drilled Shaft)
- #10 = 7'-3" (Pier Column)
- #11 = 7'-2"

Concrete Structures	Cu. Yd.	388
Reinforcement Bars	Pound	91,210
Reinforcement Bars, Epoxy Coated	Pound	73,030
Form Liner Textured Surface	Sq. Ft.	4,245
Drilled Shaft In Soil	Cu. Yd.	384
Permanent Casing	Foot	222



DRILLED SHAFT ELEVATION

Drilled Shaft Notes:

- Contractor is responsible for determining the permanent casing thickness and the actual bottom of permanent casing elevation to be used. See Article 516.06(d) and 1006.05(d) of the Standard Specifications.
- Pay limits for the Permanent Casing shall be based on the minimum length shown.

Notes:

- For Pier details, see sheets S45 and S46 of S108.
- For Cofferdam and Seal Coat Details see sheet S51 of S108.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 3 DETAILS III

STEARNS ROAD
OVER THE FOX RIVER
STRUCTURE NUMBER 045-3166

KANE COUNTY
STATION 571+42.96
DATE: JANUARY 16, 2009

PUBLIC WATERS
FAP 361 SECTION 06-00214-20-BR
DESIGNED: DAP
DRAWN: SGW
CHECKED: KPZ

Baker
Baker Engineering, Inc.