



PILE DATA

Type & Size	Metal Shell - 14 in. Dia. x 0.250 in. walls
No. Req'd.	*8 (Abuts.), 10 (Piers)
Nominal Required Bearing	210 kips (Abuts.), 300 kips (Piers)
Allowable Resistance Available	70 kips (Abuts.), 100 kips (Piers)
Estimated Length	40 ft. (Abuts.), 54 ft. (Piers)

*Includes 2 Metal Shell Test Piles to be driven in permanent locations: One at the West Abutment and one at Pier 1. The test piles shall be driven to 110 percent of the Nominal Required Bearing indicated above.

BILL OF MATERIAL SUPERSTRUCTURE

BAR	NO.	SIZE	LENGTH	SHAPE
a	60	#8	18'-9"	—
a1	62	#9	30'-6"	—
a2	62	#5	16'-1"	—
a3	31	#5	11'-4"	—
a4	62	#7	30'-5"	—
a5	60	#8	27'-0"	—
a6	31	#7	37'-0"	—
a7	30	#8	29'-6"	—
b	160	#5	25'-0"	—
b1	320	#5	4'-6"	—
b2	8	#5	29'-8"	—
h	40	#4	4'-4"	—
p	42	#7	29'-8"	—
s	190	#4	7'-7"	□
s1	56	#5	8'-7"	□
s2	56	#5	9'-5"	□
u	24	#6	12'-1"	—
v	32	#4	3'-6"	—
v1	60	#5	3'-10"	—
v2	60	#5	2'-10"	—

Concrete Superstructure	Cu. Yd.	167.4
Reinforcement Bars, Epoxy Coated	Pound	35,250
Protective Coat	Sq. Yd.	320
Name Plates	Each	1
Metal Shells Piles 14"	Foot	766
Test Pile Metal Pile Shells	Each	2

Note: All Reinforcement Bars Shall be Epoxy Coated. See Sheet 9 for Pile Details.

SUPERSTRUCTURE
COUNTY HIGHWAY 4
SEC. 04-00034-04-BR
IROQUOIS COUNTY
STATION 139+05

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 DATE: 12/08/06

DESIGNED	S.F.M.
CHECKED	F.J.S. & A.R.K.
DRAWN	S.A.P. & J.P.S.
CHECKED	S.F.M. & A.R.K.