

Notes

Cast top of wingwall flush with exterior beam face after beams have been erected.

For Abutment Sections and Details, see Sheet 10 of 12.

2'-6"  $\times$  2'-6"  $\times$  1'- $9^l_2$ " Abutment Corners to be included with Concrete Superstructures.

## BILL OF MATERIAL NORTH ABUTMENT

Bar	No.	Size	Length	Shape
d(E)	26	#5	6'-3"	-
d1(E)	26	#5	4'-1"	
d2(E)	6	#6	6′-9"	
d3(E)	6	#6	4'-7"	
h(E)	6	#5	17′-8"	
h1(E)	40	#5	12'-2"	
n(E)	52	#6	6'-3"	-
p(E)	24	#5	22′-8"	
p1 (E)	20	#6	12'-2"	
s(E)	22	#5	23′-5"	
s1(E)	26	#5	9′-7"	
u(E)	20	#5	7′-3"	
u <sub>1</sub> (E)	6	#5	6′-6"	
u2(E)	6	#6	9′-10"	
v(E)	38	#5	4′-5"	
v1(E)	16	#5	4′-5"	
v2(E)	52	#6	8′-4"	
				0.5
	re Exco	Cu. Yd.	95	
Concrete Structures			Cu. Yd.	34.1
Reinforcement Bars,			Pound	4,400
Ероху				.,
Furnishing Steel Piles,			Foot	128
HP 12x				
Driving Piles			Foot	128
Test Pile, HP12x63			Each	1
Concrete Encasement			Cu. Yd.	2.1
or dotail	lo of nil	loc and	Canarata	Engacom

For details of piles and Concrete Encasement, see sheet 11 of 12.

## PILE DATA

Type: HP 12x63 Nominal Required Bearing: 497k Factored Resistance Available: 273k Est. Length: 22.5 ft. (Wingwalls) Est. Length: 27.5 ft. (Cap) No. Production Piles: 5 No. Test Piles: 1

CRMT OCCOPYTION 1 CMT, INC.
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
LICENSE NO. 184-000613

	USER NAME =	DESIGNED	-	BPD	REVISED -	Т
c.		CHECKED	-	WLB	REVISED -	
	PLOT SCALE =	DRAWN	-	GLD	REVISED -	
	PLOT DATE =	CHECKED	-	DECEMBER 2013	REVISED -	

Test Pile-

 $\downarrow_A$ 

9′-0"

11'-6"

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

3 pile spaces at 6'-0" = 18'-0"

23'-0"

PLAN

ρ(E) -

11'-6"

NORTH ABUTMENT
STRUCTURE NO. 044-0062

SHEET NO. 8 OF 12 SHEETS

s(E) u(E)

F.A. RTE. SECTION COUNTY TOTAL SHEETS NO. 163 34B-2 JOHNSON 37 20 CONTRACT NO. 78267