



ANCHOR BOLT LOCATION DETAIL
ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h280(E)	14	#5	46'-2"	—
h281(E)	5	#6	46'-2"	—
h282(E)	44	#5	7'-6"	—
h283(E)	45	#4	20'-8"	—
h284(E)	11	#4	20'-9"	—
n280(E)	41	#6	15'-2"	—
n281(E)	6	#6	7'-7"	—
p280(E)	6	#7	17'-3"	—
p281(E)	12	#7	24'-0"	—
p282(E)	28	#7	23'-0"	—
p283(E)	8	#7	15'-10"	—
p284(E)	16	#5	11'-0"	—
p285(E)	8	#5	7'-2"	—
p286(E)	4	#7	49'-4"	—
s280(E)	33	#4	18'-11"	—
s281(E)	42	#4	9'-5"	—
s282(E)	19	#4	17'-11"	—
u280(E)	8	#6	17'-5"	—
u281(E)	30	#4	8'-5"	—
v280(E)	47	#5	3'-9"	—
v281(E)	47	#4	3'-2"	—
v282(E)	44	#6	11'-6"	—
v283(E)	3	#6	11'-7"	—
v284(E)	41	#6	11'-9"	—
v285(E)	47	#5	10'-6"	—
v286(E)	47	#5	9'-2"	—
Porous Granular Embankment, Special			Cu. Yd.	142.1
Structure Excavation			Cu. Yd.	18.6
Concrete Structures			Cu. Yd.	101.9
Concrete Encasement			Cu. Yd.	7.3
Reinforcement Bars, Epoxy Coated			Pound	10,230
Bar Splicers			Each	47
Slope Wall 4 Inch			Sq. Yd.	42.8
Furnishing Steel Piles HP 12x63			Foot	2,499
Driving Piles			Foot	2,499
Pile Shoes			Each	21
Concrete Sealer			Sq. Ft.	907
Geocomposite Wall Drain			Sq. Yd.	55
Pipe Underdrains for Structures 4"			Foot	70
Conduit Embedded in Structure, 2" Dia., PVC			Foot	15

PILE DATA
 Type: HP 12x63
 Nominal Required Bearing: 400 kips
 Factored Resistance Available: 200 kips
 Est. Length: 119'
 No. Production Piles: 21
 No. Test Piles: 0
 Piles shall be driven through 2'-0" diameter precored holes extended to Elev. 400.00 according to Article 512.09C of the Standard Specifications. Cost included in Driving Piles.

For details of Bar Splicers, see sheet S-188 of S-234.
 For details of piles and Concrete Encasement, see sheet S-187 of S-234.
 C Brg. is radial to @ 70E55N at Sta. 74+75.00.
 Wingwalls shall be constructed along horizontal curve.



USER NAME =	DESIGNED - DDB	REVISED -
PLOT SCALE = 8/166667" / 1/4"	DRAWN - BRD	REVISED -
PLOT DATE = 6/27/2011	CHECKED - LLV	REVISED -
	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENTS - S.N. 082-0322 - E. ABUTMENT - PLANS
I-70E OVER I-55, CSX & KCS RAILROADS
 SCALE: SHEET S-142 OF S-234 SHEETS TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TO	82-1-B-2	ST. CLAIR	399	269
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		