



BILL OF MATERIAL - SOUTH ABUTMENT

Bar	No.	Size	Length	Shape
h(E)	32	#8	14'-6"	—
h1(E)	28	#5	13'-6"	—
p(E)	10	#7	18'-3"	—
p1(E)	10	#7	24'-0"	—
s2(E)	28	#4	13'-5"	□
u1(E)	10	#6	9'-5"	└
v(E)	11	#5	16'-6"	—
v1(E)	11	#5	15'-0"	—
v2(E)	79	#5	5'-6"	—
Concrete Structures		Cu. Yd.	22.3	
Reinforcement Bars (Epoxy Coated)		Pound	3700	
Furnishing Metal Shell Piles, 14"x14"		Foot	368	
Driving Piles		Foot	368	
Test Pile, Metal Shells		Each	1	
Bar Splicers		Each	10	
Structure Excavation		Cu. Yd.	220	

PILE DATA

Type & Size Metal Shell - 14" ϕ x 0.25" Walls
 Nominal Required Bearing 330 kips
 Allowable Resistance Available 110 kips
 Est. Length 46'

FIELD CUTTING DIAGRAM v(E) or v1(E) BARS

Order v(E) or v1(E) Bars Full Length. Cut as Shown and Use Remainder of Bars in Opposite Face

SOUTH ABUTMENT
 F.A.P. 310, SECTION (41A)BR-1
 U.S. ROUTE 67 OVER GRINDSTONE CREEK
 McDONOUGH COUNTY
 STA. 454+20 (S.N. 055-0049)

Notes:
 Hatched area of wings to be poured after beams are in place and deck slab has been poured. Quantity of concrete for hatched area is included with concrete superstructure on sheet 7 of 14.
 Reinforcement Bars Designated (E) Shall Be Epoxy Coated.
 All exposed edges shall have standard 3/4" chamfers. Except as noted.
 Pour steps monolithically with cap.
 Fan s2(E) Bars as Required at Stage Line.

