



**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a ₁ (E)	100	#4	40'-10"	—
a ₂ (E)	184	#5	40'-10"	—
b ₂ (E)	132	#4	29'-8"	—
b ₃ (E)	392	#9	29'-9"	—
b ₄ (E)	28	#5	29'-9"	—
c(E)	120	#5	3'-4"	—
c ₂ (E)	120	#5	6'-9"	—
d ₃ (E)	68	#5	6'-2"	L
d ₄ (E)	68	#5	5'-8"	L
e ₁ (E)	32	#4	14'-9"	—
e ₂ (E)	8	#4	14'-9"	—
t(E)	332	#4	9'-9"	—
w(E)	160	#5	40'-9"	—
Concrete Superstructure		Cu. Yd.	270.8	
Concrete Structures		Cu. Yd.	51.9	
Reinforcement Bars, Epoxy Coated		Pound	64,890	

Notes:
 See sheet 11 of 21 for Detail A.
 Approach slab, parapet, and sidewalk concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 For bar splicer details, see sheet 16 of 21.
 Cost of excavation for approach footing included with Concrete Structures.