











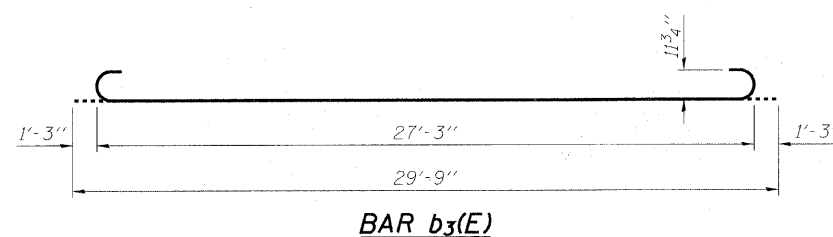
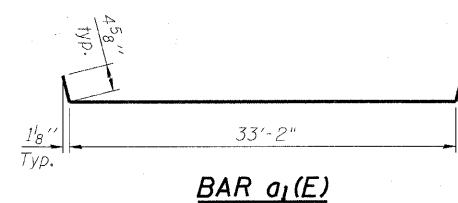
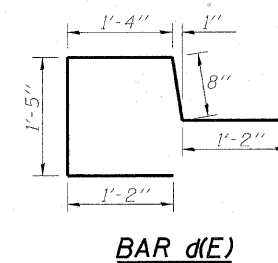
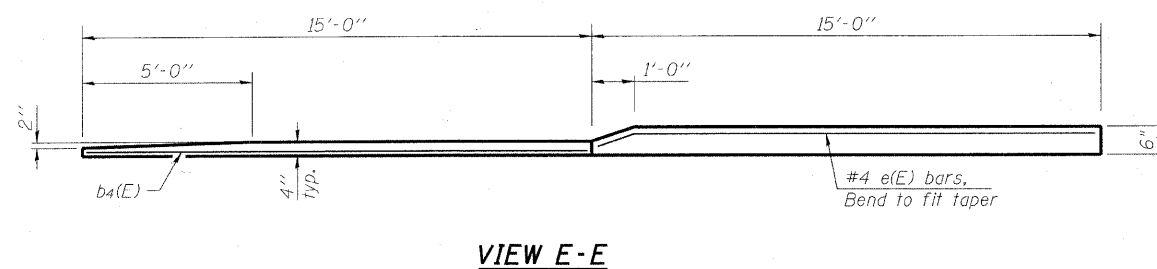
* Tilt #9 $b_3(E)$ bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

TWO APPROACHES

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a ₁ (E)	50	#4	34'-0"	
a ₂ (E)	92	#5	33'-4"	
a ₃ (E)	48	#6	6'-6"	
b ₂ (E)	54	#4	29'-8"	
b ₃ (E)	160	#9	29'-9"	
b ₄ (E)	8	#4	14'-8"	
d(E)	84	#5	5'-9"	
e(E)	8	#4	14'-8"	
t(E)	136	#4	9'-8"	
w(E)	80	#5	33'-4"	
Concrete Superstructure			Cu. Yd.	108.2
Concrete Structures			Cu. Yd.	20.8
Reinforcement Bars, Epoxy Coated			Pound	26380
Bridge Deck Grooving			Sq. Yd.	204
Protective Coat			Sq. Yd.	228



(Sheet 2 of 2)

FILE NAME = USER NAME = DESIGNED - BLB CHECKED - BAB REVISED - PER MCDOT 12/31/10 REVISED - PLOT SCALE = DRAWN - BCD REVISED - PLOT DATE = CHECKED - BLB REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION GRAF ROAD BRIDGE OVER LAWRENCE CREEK		BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 056-3182 SHEET NO. 8 OF 19 SHEETS		TR RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					0037	06-00322-00-BR	MCHENRY	54	31
					C-91-358-06		CONTRACT NO. 63569		
					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BROS-00D1(6683)				