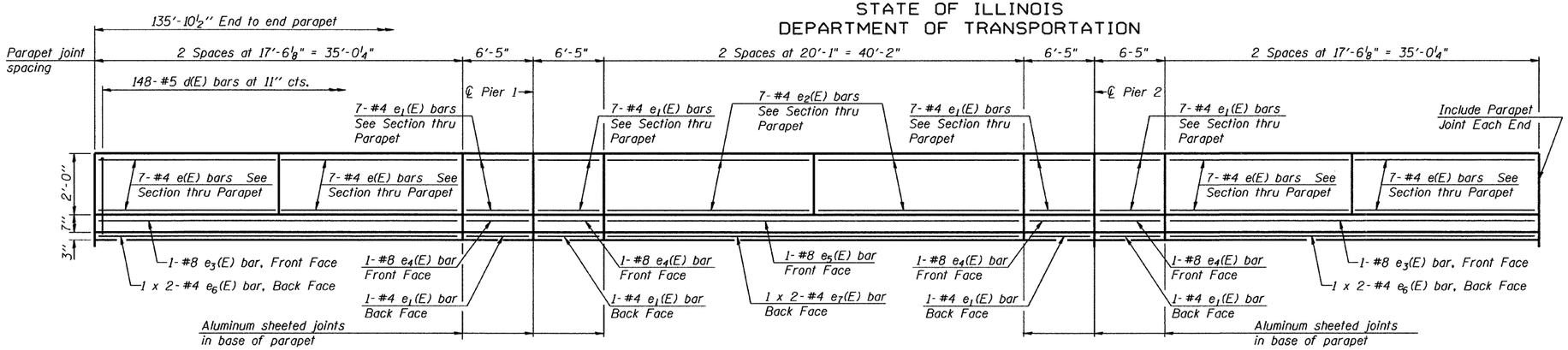
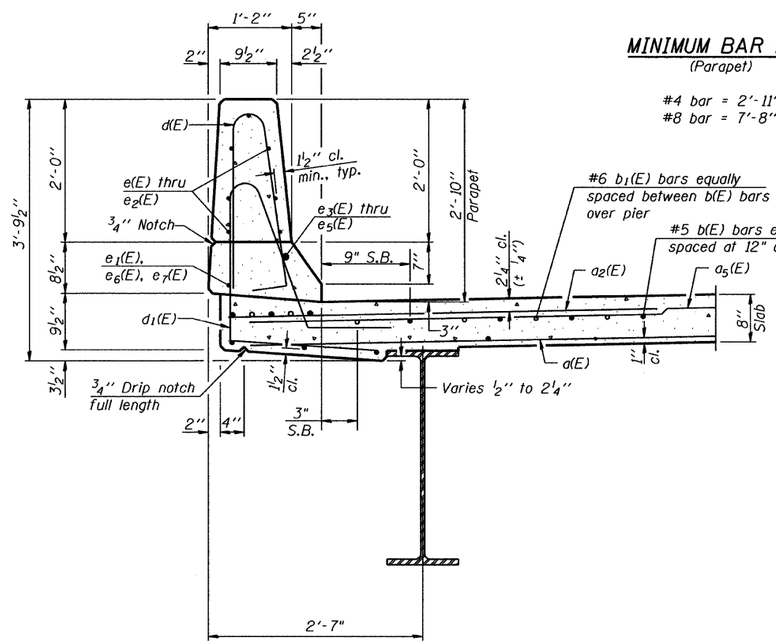
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



INSIDE ELEVATION OF WEST PARAPET

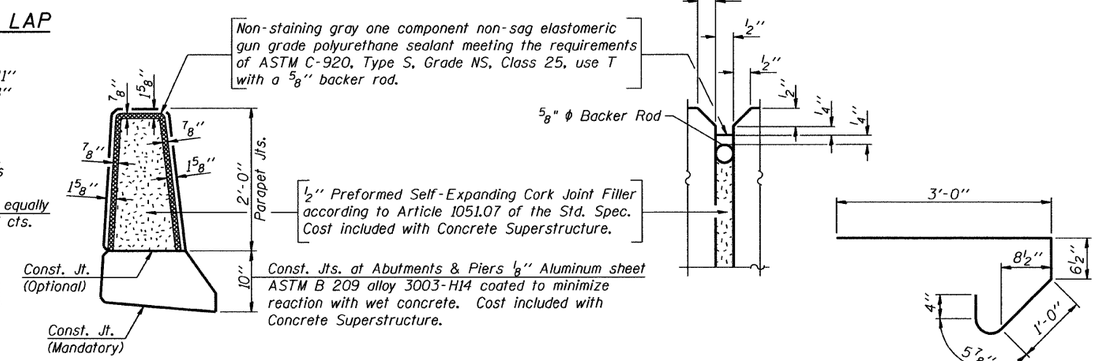
REFLECTED INSIDE ELEVATION OF EAST PARAPET



SECTION THRU PARAPET

MINIMUM BAR LAP
(Parapet)

#4 bar = 2'-11"
#8 bar = 7'-8"



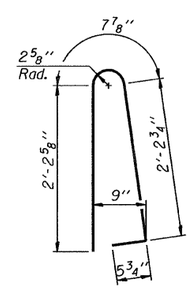
PARAPET JOINT DETAILS

BAR s(E)

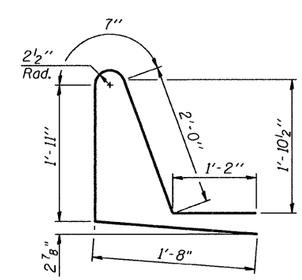
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	326	#5	17'-0"	
a1(E)	8	#5	19'-9"	
a2(E)	464	#6	6'-6"	
a5(E)	464	#5	17'-3"	
b(E)	228	#5	24'-9"	
b1(E)	72	#6	26'-10"	
b2(E)	180	#5	29'-3"	
d(E)	296	#5	5'-7"	
d1(E)	296	#5	7'-4"	
e(E)	56	#4	17'-3"	
e1(E)	64	#4	6'-1"	
e2(E)	28	#4	19'-9"	
e3(E)	4	#8	33'-9"	
e4(E)	8	#8	6'-1"	
e5(E)	2	#8	39'-10"	
e6(E)	8	#4	18'-10"	
e7(E)	4	#4	39'-10"	
m(E)	20	#6	17'-5"	
m1(E)	24	#6	8'-9"	
m2(E)	8	#6	5-8"	
m3(E)	4	#6	2'-3"	
m4(E)	4	#6	2'-8"	
s(E)	72	#5	5'-5"	
s1(E)	72	#4	8'-6"	
v(E)	72	#5	3'-10"	
Concrete Superstructure			Cu. Yd.	180.7
Bridge Deck Grooving			Sq. Yd.	453
Protective Coat			Sq. Yd.	597
Reinforcement Bars, Epoxy Coated			Pound	41,320
Bar Splicers			Each	491

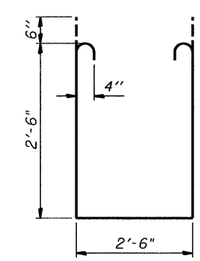
Bars indicated thus 1 x 2-#5 etc. indicates 1 line of bars with 2 lengths per line.



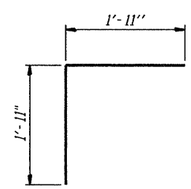
BAR d(E)



BAR d1(E)



BAR s1(E)



BAR v(E)

DESIGNED	J.Z.
CHECKED	E.E.J.
DRAWN	R.B.H.
CHECKED	J.Z.

GRÄEF 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631 (773) 399-0112

PARAPET & DECK DETAILS

Illinois Rte. 84 Over Apple River Tributary

STATION 165+50.00 STRUCTURE NO. 043-0078

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SA10 OF 25 SHEETS	308	104BR-1	JO DAVIESS	126	46
			CONTRACT NO. 64B26		
	10-15-2010	ILLINOIS	FED. AID PROJECT		

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10/13/2010