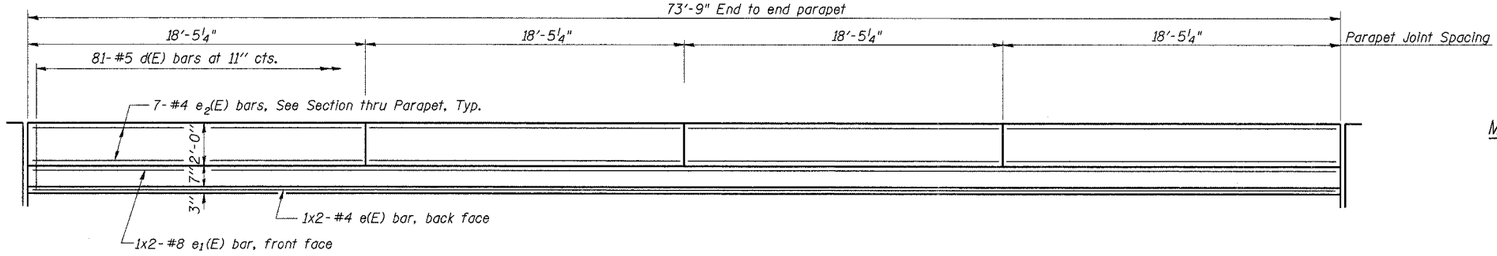
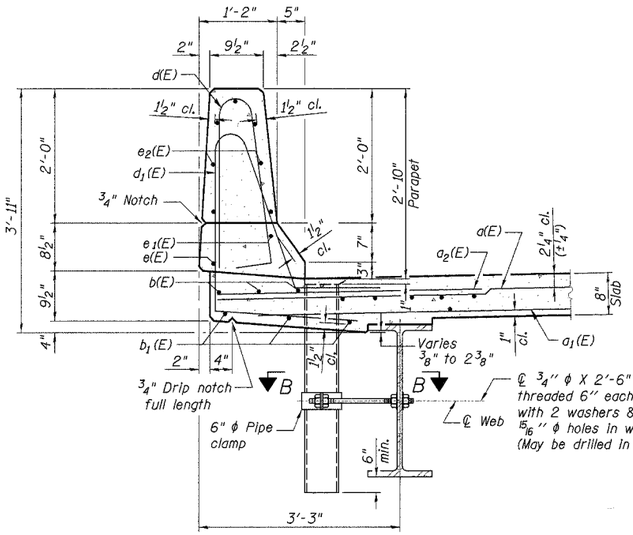
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
533	119R-2-I-1	McHenry	13	6
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT=	

SHEET NO. 6 OF 11 SHEETS

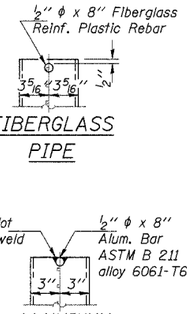
Contract #60D58



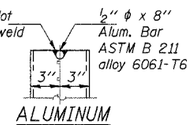
INSIDE ELEVATION OF PARAPET



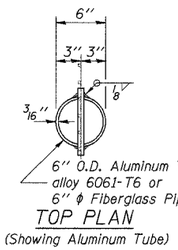
SECTION THRU PARAPET



FIBERGLASS PIPE

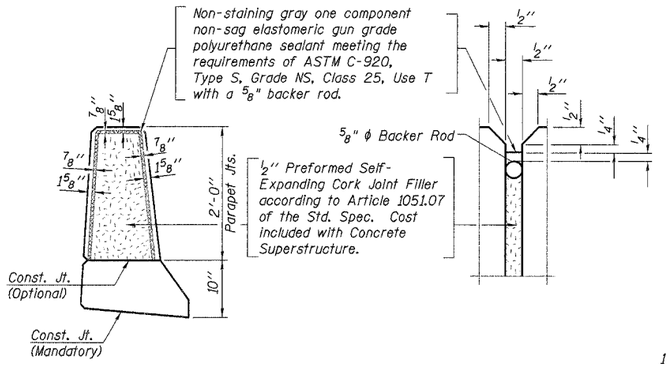


ALUMINUM TUBE



TOP PLAN

(Showing Aluminum Tube)



PARAPET JOINT DETAILS

MINIMUM BAR LAP

(Parapet)

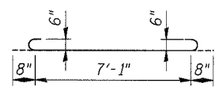
#4 bar = 1'-8"
#8 bar = 4'-6"

SUPERSTRUCTURE BILL OF MATERIAL

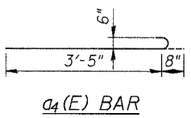
Bar	No.	Size	Length	Shape
d(E)	324	#5	21'-3"	
d1(E)	200	#5	20'-9"	
d2(E)	324	#6	6'-0"	
d3(E)	24	#6	8'-5"	
d4(E)	12	#6	4'-1"	
d5(E)	16	#7	21'-3"	
d6(E)	4	#6	18'-2"	
b(E)	94	#5	37'-10"	
b1(E)	123	#5	26'-8"	
d(E)	162	#5	5'-7"	
d1(E)	162	#5	7'-11"	
e(E)	4	#4	37'-8"	
e1(E)	4	#8	39'-0"	
e2(E)	56	#4	18'-1"	
x1(E)	80	#5	5'-11"	
Floor Drains		EACH	8	
Concrete Superstructure		CU YD	116.1	
Bridge Deck Grooving		SQ YD	310	
Protective Coat		SQ YD	409	
Reinforcement Bars, Epoxy Coated		LB	26,710	
Bar Splicers		EACH	278	

Bars indicated thus 1 x 3-#5 etc. indicates 1 line of bars with 3 lengths per line.

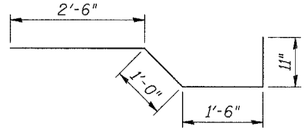
Notes:
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.



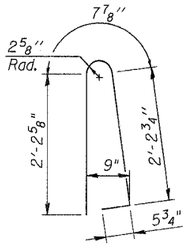
a3(E) BAR



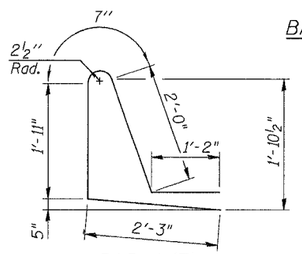
a4(E) BAR



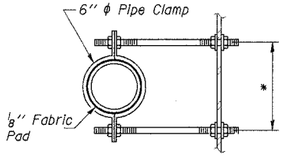
BAR x1(E)



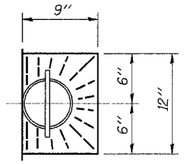
BAR d(E)



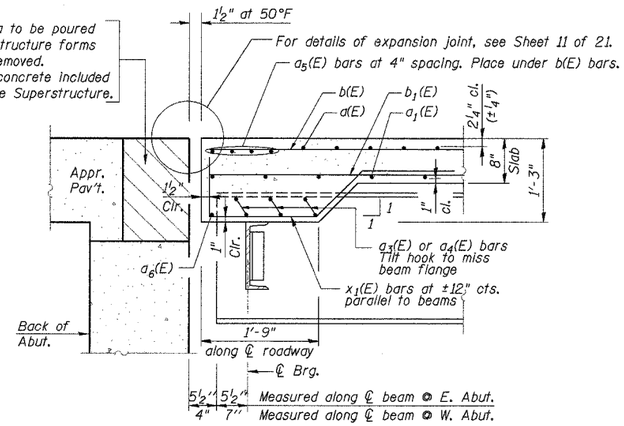
BAR d1(E)



SECTION B-B



TOP PLAN



SECTION A-A

DESIGNED	J.Z.
CHECKED	S.D.H.
DRAWN	M.S.M.
CHECKED	S.D.H.

FOR INFORMATION ONLY

DECK DETAILS

IL Route 176 over the Kishwaukee River
F.A.P. RTE 533, SECTION 119R-2-I-1
McHENRY COUNTY
STATION 10+00.00
S.N. 056-0078

DATE: 08-17-07

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS

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