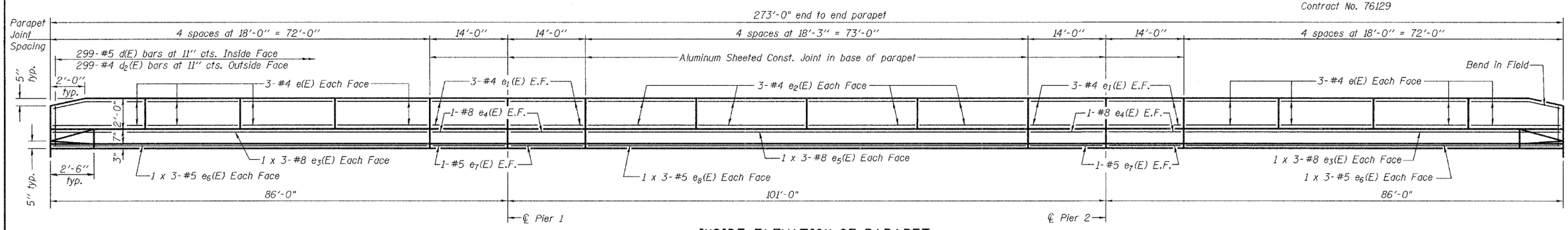
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1842	106BR	ST. CLAIR	61	29
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

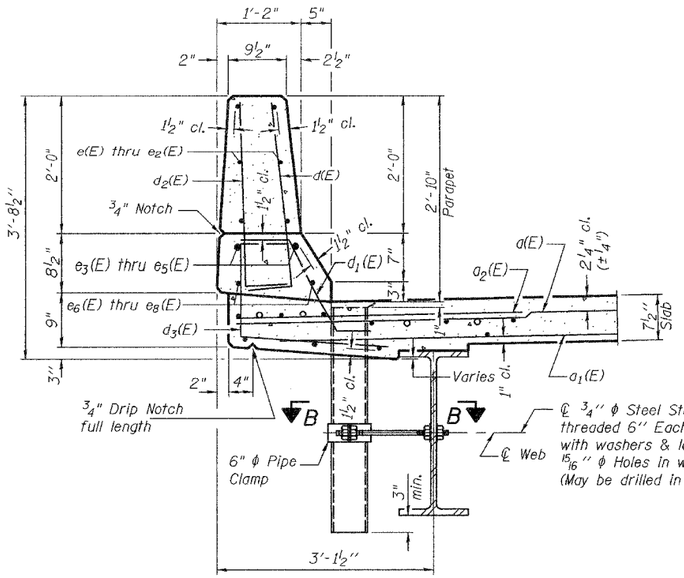
SHEET NO. 8
22 SHEETS

Contract No. 76129

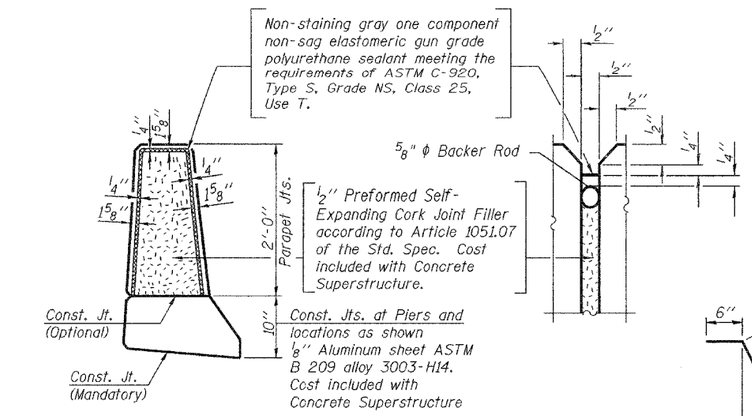
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



INSIDE ELEVATION OF PARAPET
(Looking North)

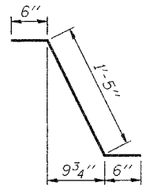


SECTION THRU PARAPET

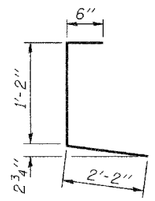


PARAPET JOINT DETAILS

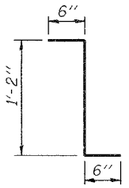
BARS d(E) & d2(E)



BAR d1(E)



BAR d3(E)



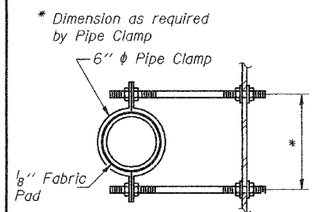
BAR d4(E)

Notes:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SP1 prior to painting.
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

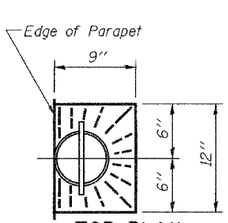
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	938	#5	19'-1"	——
a1(E)	730	#5	18'-3"	——
a2(E)	470	#6	4'-6"	——
b(E)	462	#5	26'-10"	——
b1(E)	228	#6	19'-0"	——
b2(E)	380	#5	29'-3"	——
d(E)	598	#5	3'-0"	⌐
d1(E)	586	#5	2'-5"	⌐
d2(E)	598	#4	3'-0"	⌐
d3(E)	598	#4	3'-10"	⌐
d4(E)	12	#5	2'-2"	⌐
e(E)	96	#4	17'-8"	——
e1(E)	48	#4	13'-8"	——
e2(E)	48	#4	17'-11"	——
e3(E)	24	#8	26'-2"	——
e4(E)	16	#8	13'-8"	——
e5(E)	12	#8	26'-6"	——
e6(E)	24	#5	25'-0"	——
e7(E)	16	#5	13'-8"	——
e8(E)	12	#5	25'-4"	——
m(E)	8	#6	18'-6"	——
m1(E)	12	#6	19'-3"	——
m2(E)	24	#6	9'-4"	——
m3(E)	8	#6	6'-3"	——
m4(E)	4	#6	2'-10"	——
m5(E)	4	#6	3'-0"	——
s(E)	84	#5	6'-9"	⊐
s1(E)	76	#4	11'-0"	⊔
v(E)	80	#5	3'-10"	⌐
Reinforcement Bars, Epoxy Coated			Pound	81790
Concrete Superstructure			Cu. Yds.	348.5

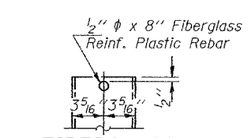
Bars indicated thus 1 x 3-#5 etc. indicates 1 line of bars with 3 lengths per line.



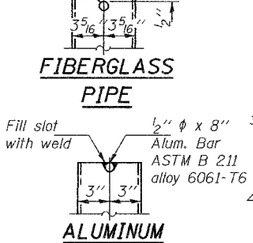
SECTION B-B



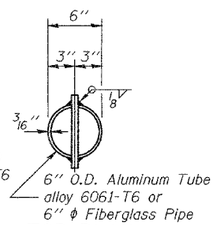
TOP PLAN



FIBERGLASS PIPE



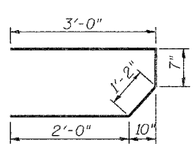
ALUMINUM TUBE



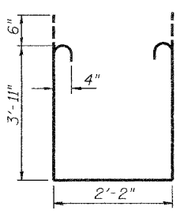
TOP PLAN
(Showing Aluminum Tube)

MIN. BAR LAPS

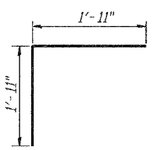
#5 bars = 1'-8"
#8 bars = 3'-5"



BAR s(E)



BAR s1(E)



BAR v(E)

DESIGNED	JEK
CHECKED	RLM
DRAWN	DMG AMBER SEIBER
CHECKED	RLM

January 23, 2007
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SUPERSTRUCTURE DETAILS
F.A.S. ROUTE 1842 - SECTION 106BR
ST. CLAIR COUNTY
STATION 669+65.50
STRUCTURE NO. 082-0387

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