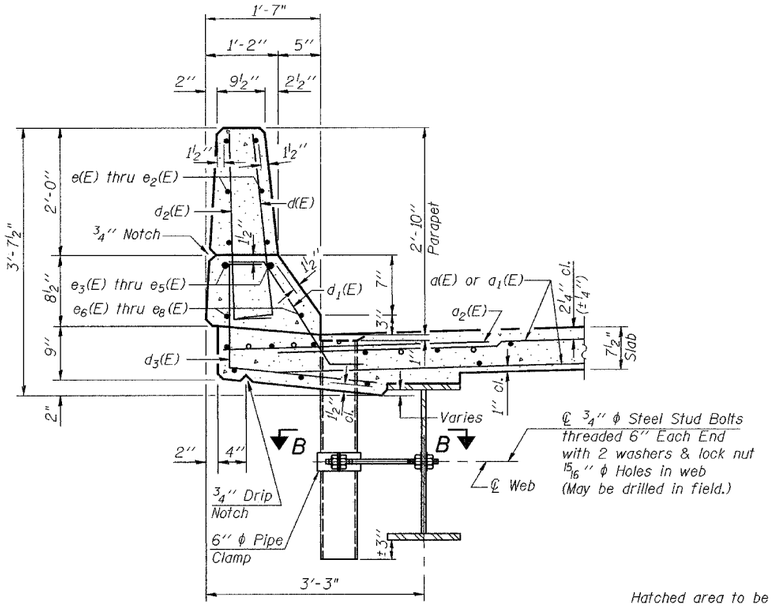
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

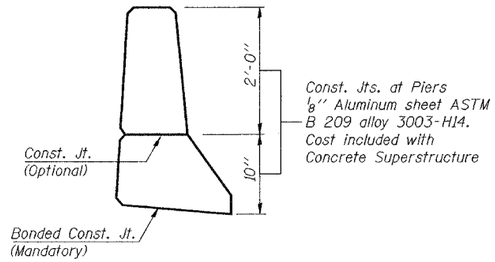
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 312	71BR	RANDOLPH	73	34
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 10
31 SHEETS

Contract No. 76125



SECTION THRU PARAPET



PARAPET JOINT DETAILS

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.

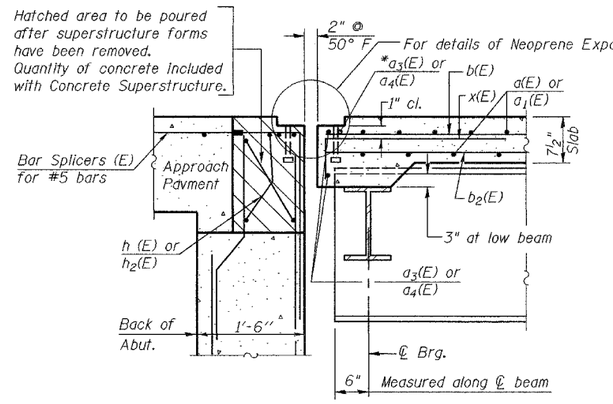
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	612	#5	22'-2"	——
a_1(E)	612	#5	18'-8"	——
a_2(E)	358	#5	4'-6"	——
a_3(E)	4	#5	31'-3"	——
a_4(E)	4	#5	26'-3"	——
b(E)	184	#5	46'-4"	——
b_1(E)	84	#6	31'-3"	——
b_2(E)	210	#5	37'-6"	——
d(E)	392	#5	3'-0"	⌐¬
d_1(E)	392	#5	2'-5"	⌐
d_2(E)	392	#4	3'-0"	⌐¬
d_3(E)	392	#4	3'-11"	⌐
e(E)	48	#4	25'-8"	——
e_1(E)	48	#4	7'-6"	——
e_2(E)	24	#4	24'-0"	——
e_3(E)	16	#8	26'-10"	——
e_4(E)	16	#8	7'-6"	——
e_5(E)	8	#8	25'-2"	——
e_6(E)	16	#5	25'-10"	——
e_7(E)	16	#5	7'-6"	——
e_8(E)	8	#5	24'-2"	——
x(E)	80	#5	4'-1"	⌐—
Reinforcement Bars, Epoxy Coated		Pound	57610	
Concrete Superstructure		Cu. Yds.	233.7	

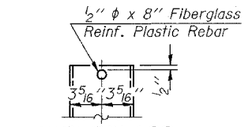
Reinforcement bars designated (E) shall be epoxy coated.

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

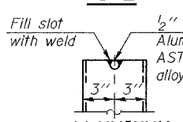


SECTION A-A

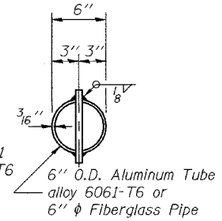
* Place a_3(E) or a_4(E) bars in back of anchor bolt as shown if required to maintain 1" ct. (+0"/-⅛"). Anchor bolts shall be tied to a_3(E) or a_4(E) bars in deck or h (E) or h_2(E) bars in backwall.



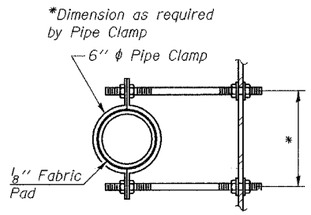
FIBERGLASS PIPE



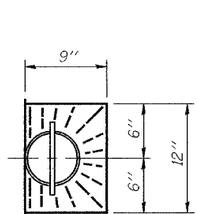
ALUMINUM TUBE



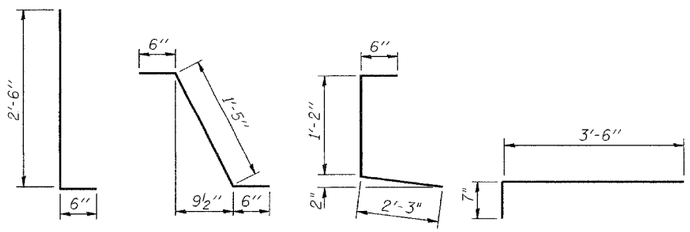
TOP PLAN
(Showing Aluminum Tube)



SECTION B-B



TOP PLAN



BARS d(E) & d_2(E) BAR d_1(E) BAR d_3(E) BAR x(E)

DESIGNED	J.E. Kramer
CHECKED	T.L. Kurtenbach
DRAWN	A.M. Seiber
CHECKED	JEK/TLK

January 26 2005
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

S-2-D 4-30-99

SUPERSTRUCTURE DETAILS
F.A.P. RT. 312 - SEC. 71BR
RANDOLPH COUNTY
STATION 1128+90
STRUCTURE NO. 079-0048