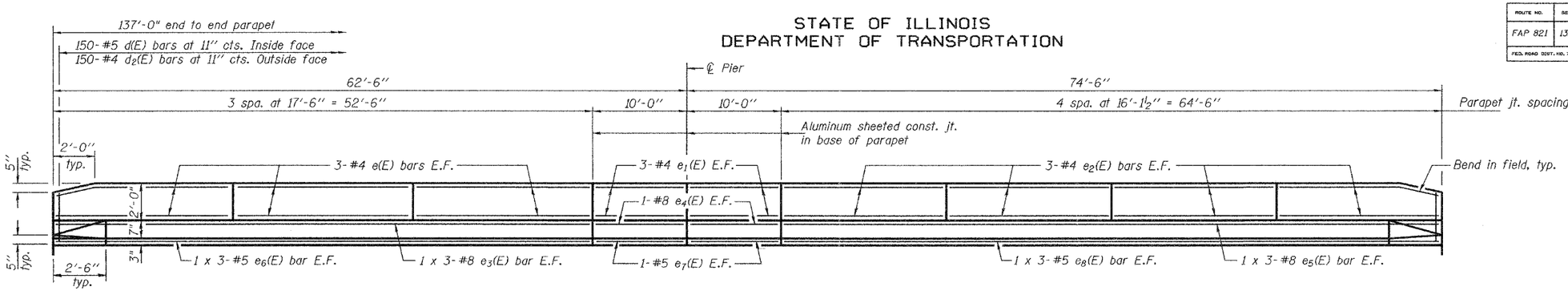
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 821	13B-1	JEFFERSON	39	20
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 7
17 SHEETS

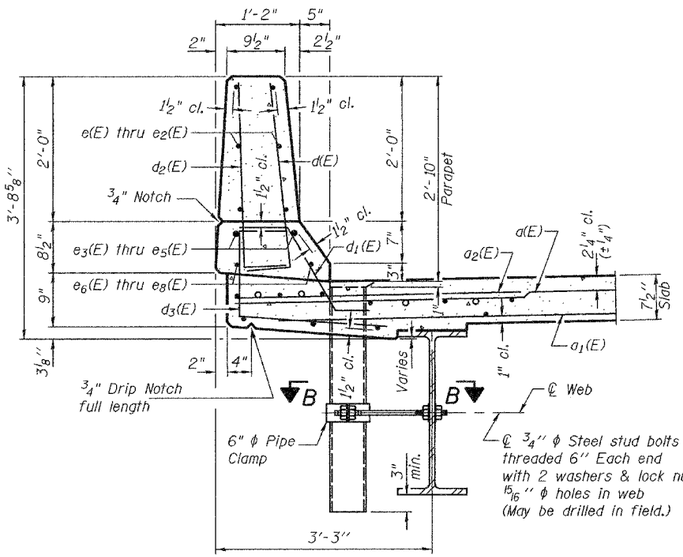
Contract #98957

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

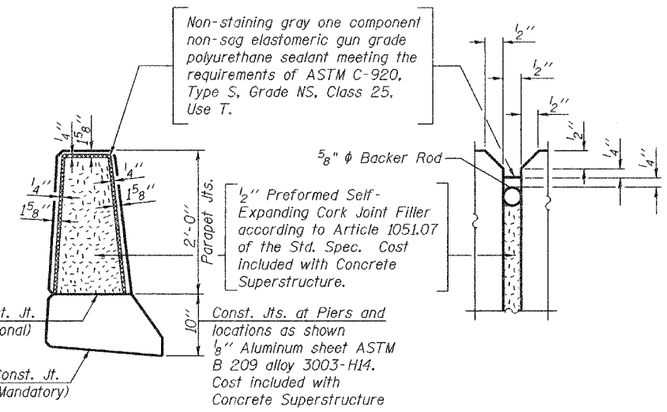


INSIDE ELEVATION OF PARAPET
(Looking north)

MIN. BAR LAPS
#5 bars = 1'-8"
#8 bars = 3'-5"

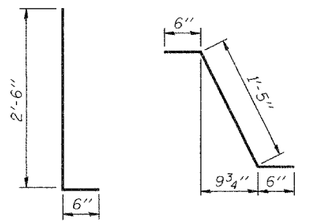


SECTION THRU PARAPET



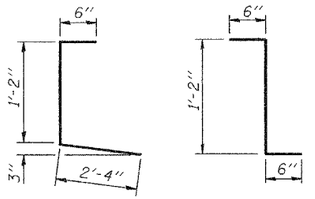
PARAPET JOINT DETAILS

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



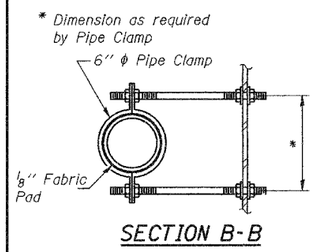
BARS d(E) & d2(E)

BAR d1(E)

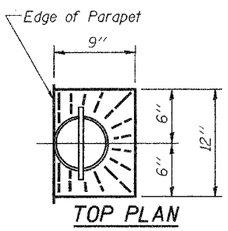


BAR d3(E)

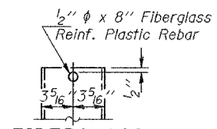
BAR d4(E)



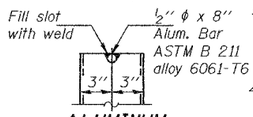
SECTION B-B



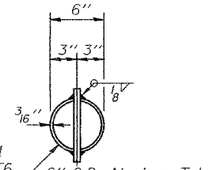
TOP PLAN



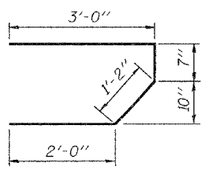
FIBERGLASS PIPE



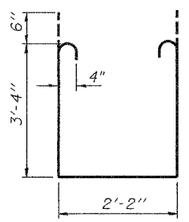
ALUMINUM TUBE



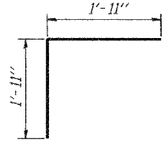
TOP PLAN
(Showing Aluminum Tube)



BAR s(E)



BAR s1(E)



BAR v(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	508	#5	21'-2"	——
a1(E)	368	#5	20'-3"	——
a2(E)	508	#6	6'-0"	——
b(E)	230	#5	29'-1"	——
b1(E)	126	#6	14'-11"	——
b2(E)	252	#5	24'-8"	——
d(E)	300	#5	3'-0"	⌐
d1(E)	288	#5	2'-5"	⌐
d2(E)	300	#4	3'-0"	⌐
d3(E)	300	#4	4'-0"	⌐
d4(E)	12	#5	2'-2"	⌐
e(E)	36	#4	17'-2"	——
e1(E)	24	#4	9'-8"	——
e2(E)	48	#4	15'-10"	——
e3(E)	12	#8	19'-8"	——
e4(E)	8	#8	9'-8"	——
e5(E)	12	#8	23'-8"	——
e6(E)	12	#5	18'-6"	——
e7(E)	8	#5	9'-8"	——
e8(E)	12	#5	22'-6"	——
m(E)	8	#6	20'-5"	——
m1(E)	12	#6	21'-4"	——
m2(E)	24	#6	10'-1"	——
m3(E)	8	#6	7'-0"	——
m4(E)	4	#6	2'-11"	——
m5(E)	4	#6	3'-4"	——
s(E)	96	#5	6'-9"	⊐
s1(E)	88	#4	9'-10"	⊓
v(E)	84	#5	3'-10"	⌐
Reinforcement Bars, Epoxy Coated			Pound	48910
Concrete Superstructure			Cu. Yds.	200.2

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.

DESIGNED	R.L. Tharp
CHECKED	P.R. Litchfield
DRAWN	h.t. duong
CHECKED	RLT/PRL

EXAMINED Aug. 31, 2006
Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN

PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SUPERSTRUCTURE DETAILS
F.A.P. RT. 821 - SECTION 13B-1
JEFFERSON COUNTY
STATION 1200+35.00
STRUCTURE NO. 041-0106