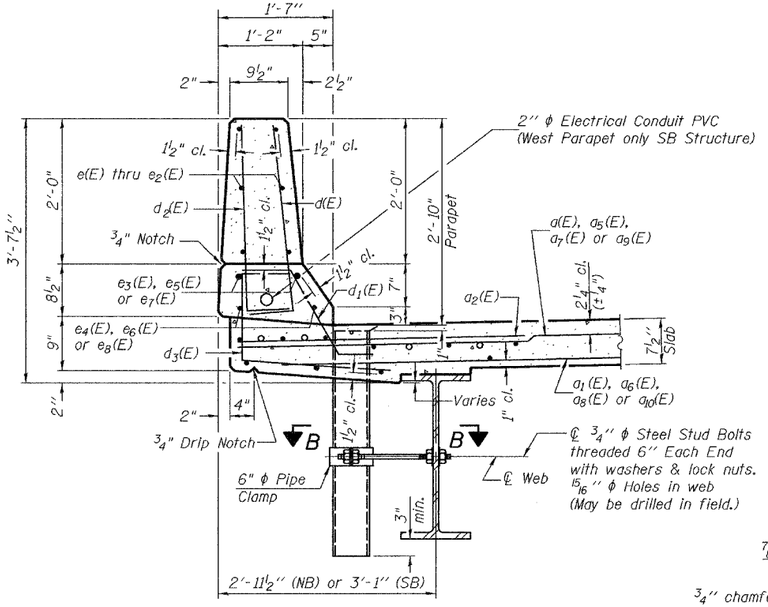
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

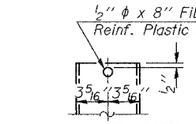
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	(X1-6-2) VB-2	WILLIAMSON	917	352
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT:-	

SHEET NO. 19
51 SHEETS

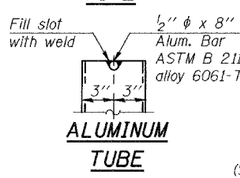
Contract #98950



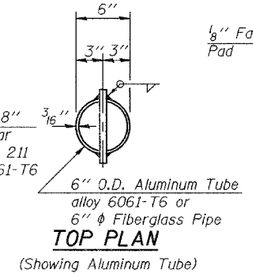
SECTION THRU PARAPETS (STAGE I CONSTRUCTION)



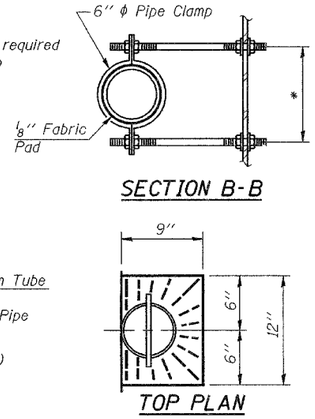
FIBERGLASS PIPE

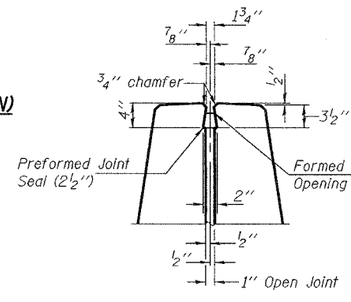


ALUMINUM TUBE

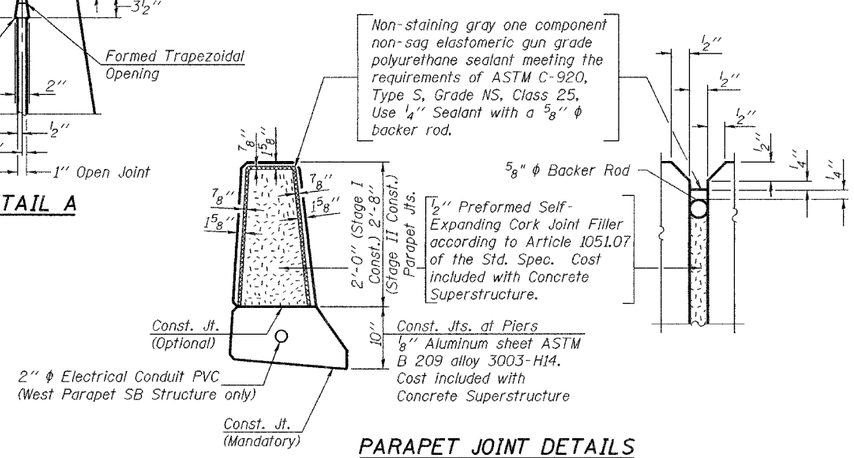


TOP PLAN
(Showing Aluminum Tube)





DETAIL A



PARAPET JOINT DETAILS

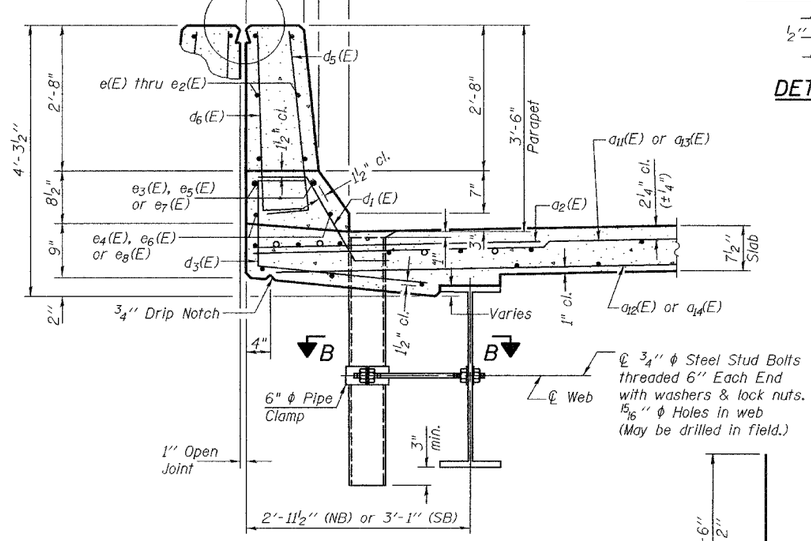
NORTHBOUND SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	245	#5	32'-3"	——
d1(E)	177	#5	31'-8"	——
d2(E)	490	#6	6'-0"	——
d11(E)	245	#5	43'-7"	——
d12(E)	177	#5	43'-0"	——
b(E)	316	#5	34'-5"	——
b1(E)	150	#6	30'-0"	——
b2(E)	335	#5	27'-11"	——
d(E)	145	#5	3'-0"	⌐
d1(E)	278	#5	2'-5"	⌐
d2(E)	145	#4	3'-0"	⌐
d3(E)	290	#4	3'-8"	⌐
d4(E)	12	#5	2'-4"	⌐
d5(E)	145	#5	3'-8"	⌐
d6(E)	145	#4	3'-8"	⌐
e(E)	48	#4	14'-0"	——
e1(E)	48	#4	7'-4"	——
e2(E)	36	#4	14'-8"	——
e3(E)	8	#8	28'-4"	——
e4(E)	8	#5	28'-4"	——
e5(E)	16	#8	7'-4"	——
e6(E)	16	#5	7'-4"	——
e7(E)	8	#8	24'-1"	——
e8(E)	8	#5	23'-2"	——
m(E)	22	#6	6'-8"	——
m1(E)	8	#6	7'-9"	——
m3(E)	28	#6	9'-10"	——
m4(E)	4	#6	2'-9"	——
m8(E)	4	#6	10'-6"	——
m9(E)	2	#6	5'-4"	——
m10(E)	20	#6	23'-3"	——
m11(E)	6	#6	32'-5"	——
m12(E)	4	#6	31'-6"	——
s(E)	154	#5	6'-3"	⊐
s1(E)	150	#4	8'-6"	⊔
v(E)	150	#5	3'-4"	⌐
Reinforcement Bars, Epoxy Coated		Pound	75,930	
Concrete Superstructure		Cu. Yds.	318.0	

SOUTHBOUND SUPERSTRUCTURE BILL OF MATERIAL

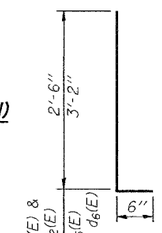
Bar	No.	Size	Length	Shape
d2(E)	490	#6	6'-0"	——
d3(E)	245	#5	6'-11"	——
d4(E)	177	#5	10'-4"	——
d5(E)	82	#5	22'-11"	——
d6(E)	59	#5	22'-4"	——
d7(E)	82	#5	25'-4"	——
d8(E)	59	#5	24'-9"	——
d9(E)	81	#5	27'-9"	——
d10(E)	59	#5	27'-2"	——
d13(E)	245	#5	48'-7"	——
d14(E)	177	#5	48'-0"	——
b(E)	340	#5	34'-5"	——
b1(E)	162	#6	30'-0"	——
b2(E)	365	#5	27'-11"	——
d(E)	145	#5	3'-0"	⌐
d1(E)	278	#5	2'-5"	⌐
d2(E)	145	#4	3'-0"	⌐
d3(E)	290	#4	3'-8"	⌐
d4(E)	12	#5	2'-4"	⌐
d5(E)	145	#5	3'-8"	⌐
d6(E)	145	#4	3'-8"	⌐
e(E)	48	#4	14'-0"	——
e1(E)	48	#4	7'-4"	——
e2(E)	36	#4	14'-8"	——
e3(E)	8	#8	28'-4"	——
e4(E)	8	#5	28'-4"	——
e5(E)	16	#8	7'-4"	——
e6(E)	16	#5	7'-4"	——
e7(E)	8	#8	24'-1"	——
e8(E)	8	#5	23'-2"	——
m(E)	23	#6	6'-8"	——
m1(E)	10	#6	7'-9"	——
m2(E)	6	#6	9'-2"	——
m3(E)	26	#6	9'-10"	——
m4(E)	4	#6	2'-9"	——
m5(E)	5	#6	4'-2"	——
m6(E)	23	#6	25'-9"	——
m7(E)	2	#6	24'-10"	——
m13(E)	3	#6	33'-0"	——
m14(E)	2	#6	32'-1"	——
s(E)	160	#5	6'-3"	⊐
s1(E)	138	#4	8'-6"	⊔
v(E)	154	#5	3'-4"	⌐
Reinforcement Bars, Epoxy Coated		Pound	81,090	
Concrete Superstructure		Cu. Yds.	327.6	
Conduit Embedded in Structure, 2"ϕ PVC		Foot	133.0	

For Bar Splicers (E) see sheet 48 of 51.

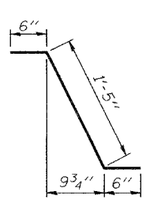


SECTION THRU PARAPETS (STAGE II CONSTRUCTION)

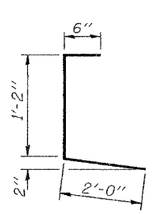
Notes:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SP1 prior to painting.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



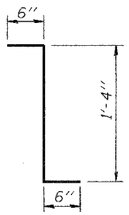
BARS d(E), d2(E), d5(E) & d6(E)



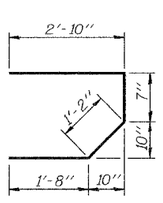
BAR d1(E)



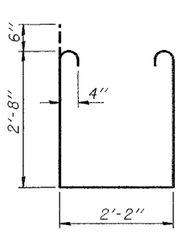
BAR d3(E)



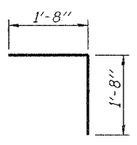
BAR d4(E)



BAR s(E)



BAR s1(E)



BAR v(E)

DESIGNED	Michael D. Cima
CHECKED	Fess Teklehaimanot
DRAWN	BECKY M. LEACH
CHECKED	M.D.C. & F.T.

January 22, 2007
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SUPERSTRUCTURE DETAILS
F.A.I. RT. 57 SEC. (X1-6-2)VB-2
WILLIAMSON COUNTY
STA. 1516+58.56
S.N. 100-0086 (N.B.)
S.N. 100-0087 (S.B.)

c:\projects\1000085\1000096.dgn 1/22/2007 1:17:12 PM