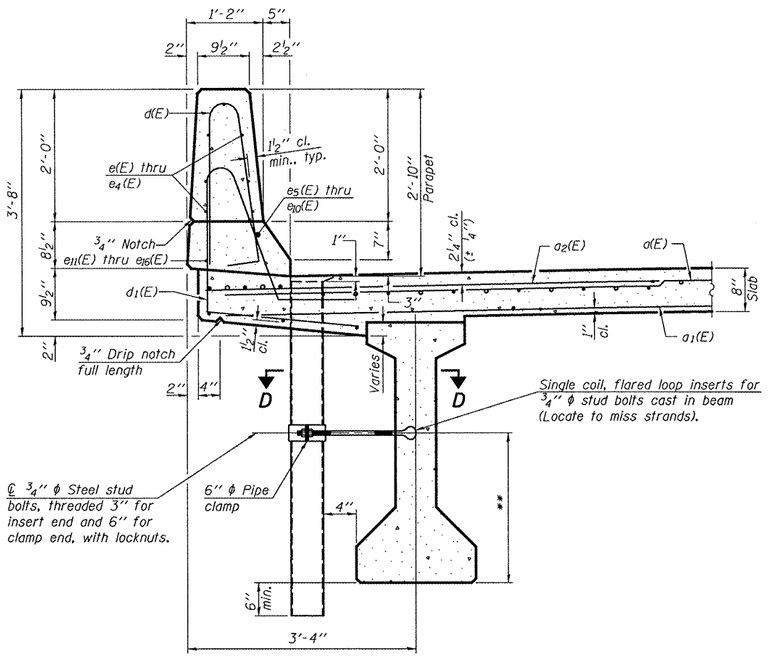
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 769	110B-2	MACOUPIN	98	53
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

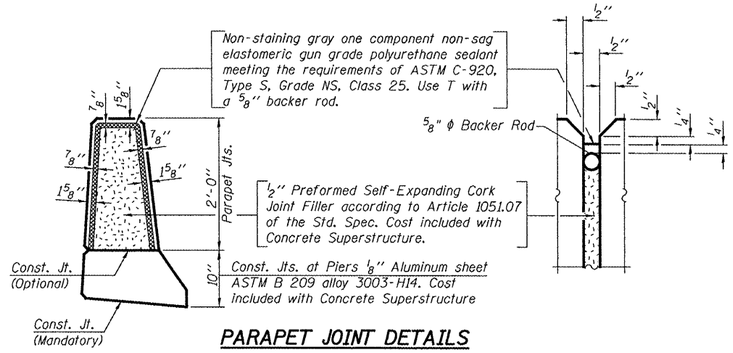
SHEET NO. 13
38 SHEETS

Contract #72813

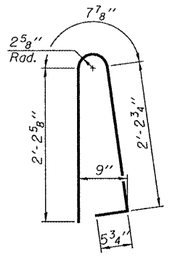


SECTION THRU PARAPET

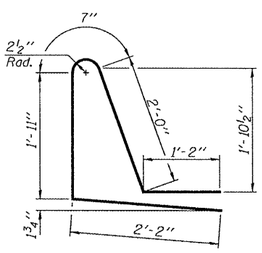
**For insert locations See sheets 21 and 23 of 38.



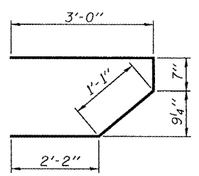
PARAPET JOINT DETAILS



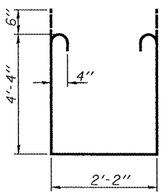
BAR d(E)



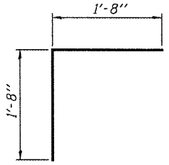
BAR d1(E)



BAR s(E)



BAR s1(E)

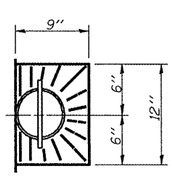


BAR v(E)

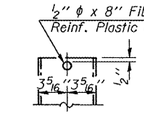
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	1098	#5	19'-3"	——
a1(E)	770	#5	18'-4"	——
a2(E)	1098	#6	6'-0"	——
b(E)	378	#5	37'-6"	——
b1(E)	76	#7	38'-0"	——
b2(E)	76	#7	45'-0"	——
b3(E)	76	#7	48'-0"	——
b4(E)	420	#5	34'-0"	——
d(E)	700	#5	5'-7"	
d1(E)	700	#5	7'-10"	
e(E)	98	#4	18'-4"	——
e1(E)	42	#4	10'-3"	——
e2(E)	56	#4	15'-9"	——
e3(E)	42	#4	9'-3"	——
e4(E)	56	#4	16'-1"	——
e5(E)	4	#8	38'-10"	——
e6(E)	6	#8	10'-3"	——
e7(E)	4	#8	33'-7"	——
e8(E)	6	#8	9'-3"	——
e9(E)	4	#8	29'-7"	——
e10(E)	4	#8	34'-4"	——
e11(E)	4	#4	37'-10"	——
e12(E)	6	#4	10'-3"	——
e13(E)	4	#4	32'-7"	——
e14(E)	6	#4	9'-3"	——
e15(E)	4	#4	28'-7"	——
e16(E)	4	#4	33'-4"	——
m(E)	8	#6	18'-5"	——
m1(E)	12	#6	19'-4"	——
m2(E)	24	#6	8'-6"	——
m3(E)	8	#6	4'-5"	——
m4(E)	20	#6	2'-1"	——
m5(E)	48	#4	5'-7"	——
m6(E)	24	#6	4'-5"	——
m7(E)	18	#8	5'-10"	——
m8(E)	24	#4	2'-8"	——
s(E)	72	#5	6'-10"	⊐
s1(E)	60	#4	11'-10"	⊓
s2(E)	48	#4	11'-2"	⊔
s3(E)	24	#4	11'-6"	⊔
v(E)	76	#5	3'-4"	⌐
Reinforcement Bars, Epoxy Coated		Lbs.	115,070	
Concrete Superstructure		Cu. Yds.	450.8	

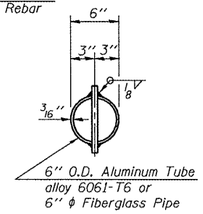
Bars indicated thus 1 x 2-#5 etc. indicates 1 line of bars with 2 lengths per line.



TOP PLAN

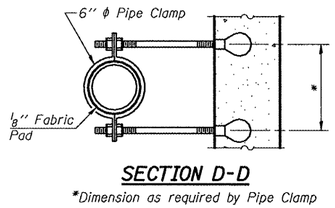


FIBERGLASS PIPE



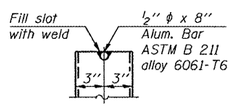
TOP PLAN

(Showing Aluminum Tube)



SECTION D-D

*Dimension as required by Pipe Clamp



ALUMINUM TUBE

Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the floor drains shall be coated or pigmented by the manufacturer with a color that matches the concrete.
The clamping device and inserts shall be galvanized according to AASHTO M 232.

DESIGNED	Tom Kurtenbach
CHECKED	Jay Edwards
DRAWN	BECKY M. LEACH
CHECKED	TK/JE

June 17, 2008
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SUPERSTRUCTURE DETAILS
F.A.P. ROUTE 769 - SEC. 110B-2
MACOUPIN COUNTY
STATION 104+41.00
STRUCTURE NO. 059-0509

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