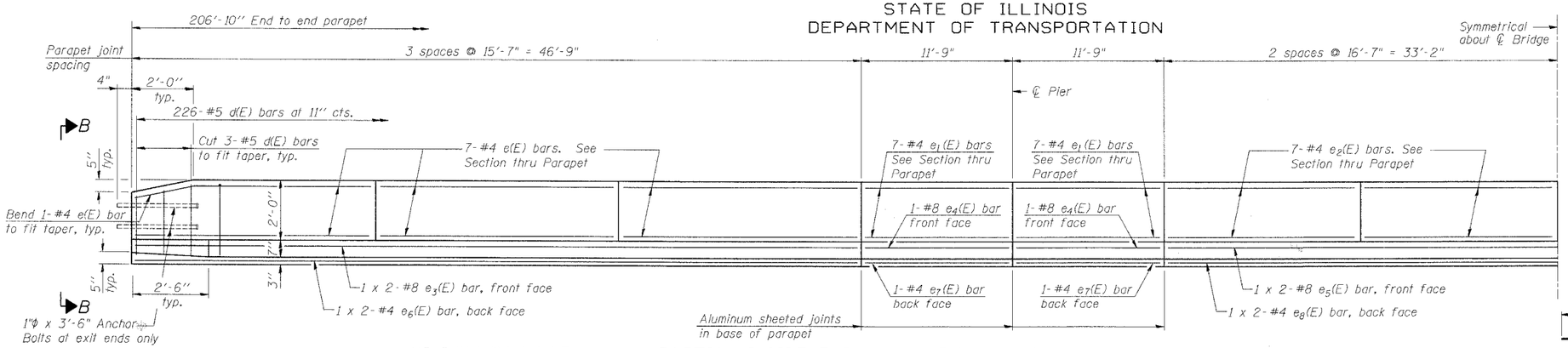
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 360	*	KANE	41	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 9 OF 31 SHEETS

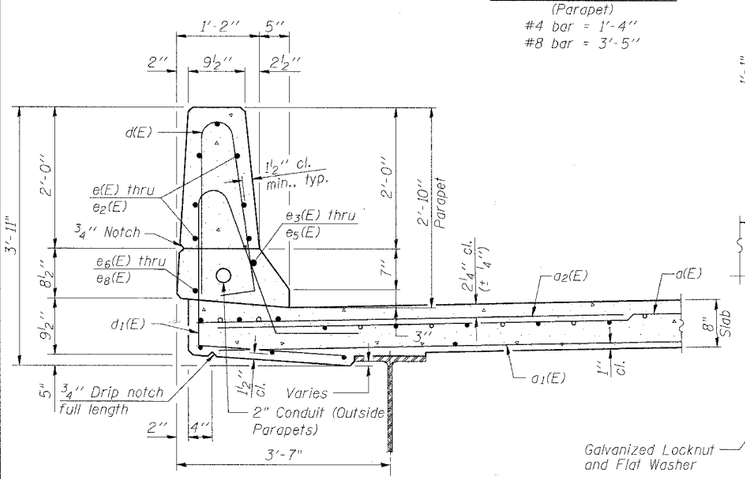
Contract # 83951 * 06-00214-07-BR



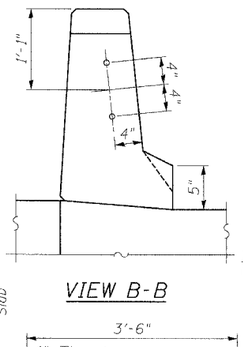
PARTIAL INSIDE ELEVATION OF PARAPET

MINIMUM BAR LAP

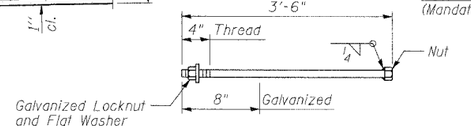
(Parapet)
#4 bar = 1'-4"
#8 bar = 3'-5"



SECTION THRU PARAPET

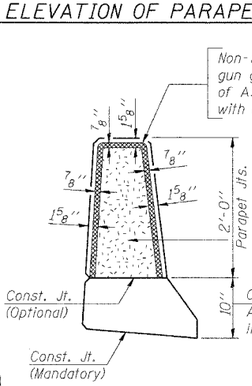


VIEW B-B



1"ϕ ANCHOR BOLT

(ASTM F 1554 Grade 105)
(8 Required)

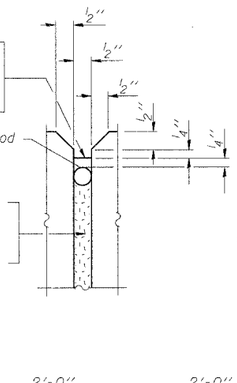


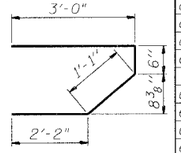
Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a ⅝" backer rod.

½" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.

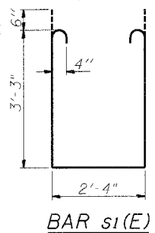
Const. Jts. at Piers ⅛" Aluminum sheet ASTM B 209 alloy 3003-H14. Cost included with Concrete Superstructure

PARAPET JOINT DETAILS





BAR s(E)

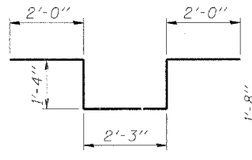


BAR s1(E)

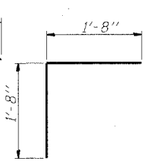
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	764	#5	30'-6"	
a1(E)	552	#5	29'-6"	
a2(E)	764	#6	6'-0"	
a3(E)	8	#5	32'-10"	
a4(E)	16	#5	1'-6"	
b(E)	612	#5	24'-11"	
b1(E)	62	#6	45'-0"	
b2(E)	480	#5	27'-9"	
d(E)	904	#5	5'-7"	
d1(E)	904	#5	8'-3"	
d2(E)	6	#6	4'-5"	
d3(E)	10	#6	8'-11"	
e(E)	168	#4	15'-3"	
e1(E)	112	#4	11'-5"	
e2(E)	112	#4	16'-3"	
e3(E)	16	#8	24'-11"	
e4(E)	16	#8	11'-5"	
e5(E)	8	#8	34'-9"	
e6(E)	16	#4	23'-11"	
e7(E)	16	#4	11'-5"	
e8(E)	8	#4	33'-8"	
m(E)	8	#6	30'-0"	
m1(E)	12	#6	32'-10"	
m2(E)	32	#6	10'-4"	
m3(E)	12	#6	8'-2"	
m4(E)	8	#6	3'-5"	
s(E)	120	#5	6'-9"	
s1(E)	108	#4	9'-10"	
v(E)	116	#5	3'-4"	
Reinforcement Bars, Epoxy Coated			Pound	105,910
Concrete Superstructure			Cu. Yd.	482

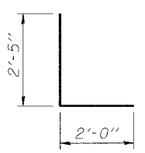
Bars indicated thus 1 x 2 -#5 etc. indicates 1 line of bars with 2 lengths per line.



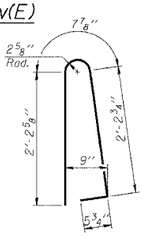
BAR d3(E)



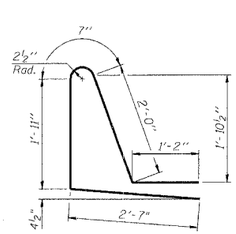
BAR v(E)



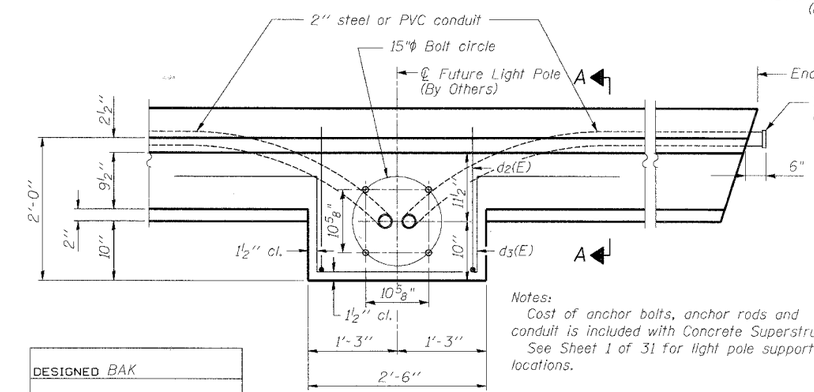
BAR d2(E)



BAR d(E)

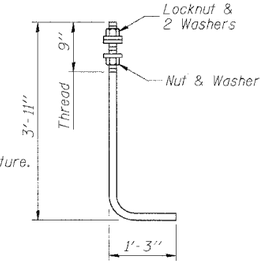


BAR d1(E)



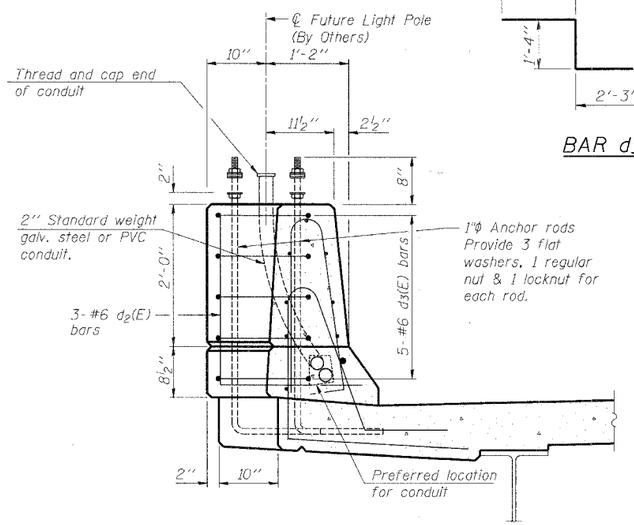
Notes:
Cost of anchor bolts, anchor rods and conduit is included with Concrete Superstructure.
See Sheet 1 of 31 for light pole support locations.

PLAN - LIGHT POLE SUPPORT



1"ϕ ANCHOR ROD

(ASTM F 1554 Grade 105)
(8 Required)



SECTION A-A

DESIGNED	BAK
CHECKED	SF
DRAWN	MTR
CHECKED	BAK

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
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www.bbandainc.com
Job No. 896

SUPERSTRUCTURE DETAILS
DUNHAM ROAD OVER THE CC&P RAILROAD
SECTION 06-00214-07-BR
KANE COUNTY
STATION 262+90.93
STR. NO. 045-3169 (NB) / 045-3170 (SB)

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