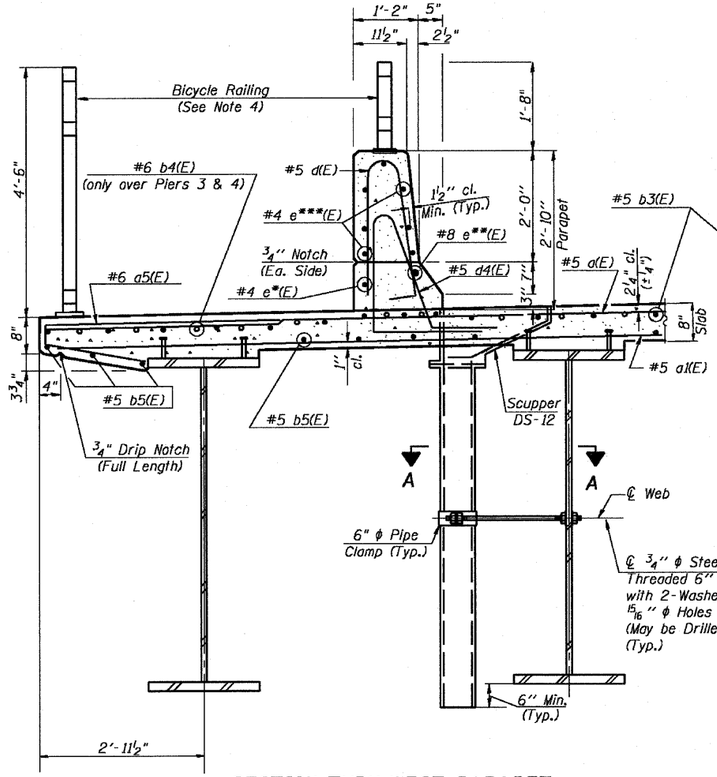
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EarthTech
A tyco International Ltd. Company

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
786	109 BR	La Salle	351	226
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

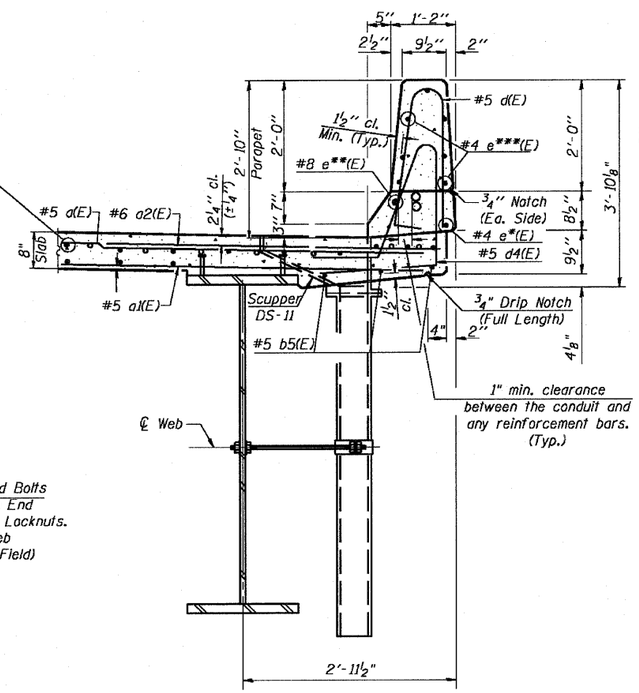
SHEET NO. 26
89 SHEETS

Contract # 66607



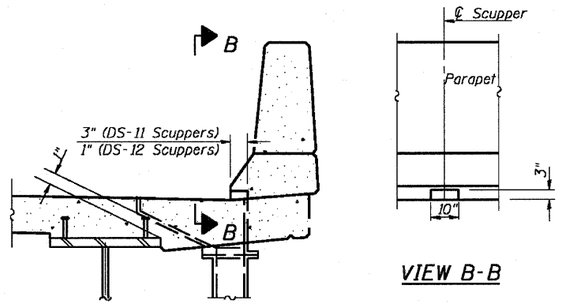
SECTION THRU WEST PARAPET

Looking North



SECTION THRU EAST PARAPET

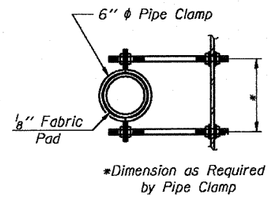
Looking North



PARAPET BLOCKOUT FOR SCUPPERS

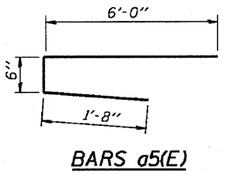
(Applicable only to scuppers in Unit 2)

VIEW B-B

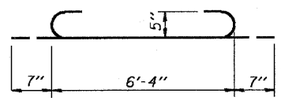


SECTION A-A

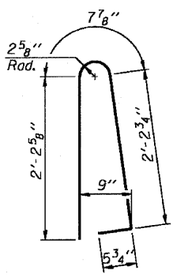
#4 e*(E) = Bars #4 e(E) or #4 e6(E) or #4 e8(E)
#8 e**(E) = Bars #8 e1(E) or #8 e7(E) or #8 e9(E)
#4 e***(E) = Bars #4 e(E) or #4 e10(E) or #4 e11(E) or #4 e12(E)



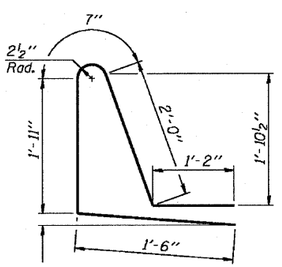
BARS a5(E)



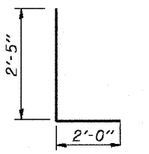
BAR a10 (E)



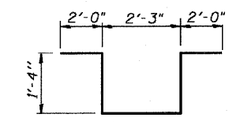
BAR d(E)



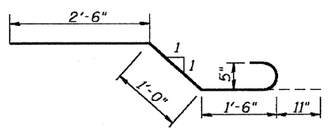
BAR d4(E)



BAR d2(E)



BAR d3(E)



BAR x2(E)

SUPERSTRUCTURE BILL OF MATERIAL

Unit 2 (Pier 2 to Pier 5)

Bar	No.	Size	Length	Shape
a(E)	1317	#5	38'-4"	
a1(E)	1123	#5	37'-8"	
a2(E)	659	#6	6'-0"	
a4(E)	64	#5	2'-0"	
a5(E)	659	#6	8'-2"	
a10(E)	30	#5	7'-6"	
a12(E)	8	#6	38'-4"	
b3(E)	1025	#5	39'-6"	
b4(E)	390	#6	36'-5"	
b5(E)	806	#5	38'-1"	
d(E)	2040	#5	5'-7"	
d2(E)	18	#6	4'-5"	
d3(E)	30	#6	8'-11"	
d4(E)	2040	#5	7'-2"	
e(E)	128	#4	19'-8"	
e1(E)	16	#8	19'-8"	
e6(E)	28	#4	35'-9"	
e7(E)	28	#8	37'-7"	
e8(E)	16	#4	37'-5"	
e9(E)	16	#8	39'-3"	
e10(E)	336	#4	18'-4"	
e11(E)	210	#4	19'-0"	
e12(E)	28	#4	17'-11"	
x2(E)	60	#5	5'-11"	
Reinforcement Bars, Epoxy Coated			Pound	250,480
Concrete Superstructure			Cu. Yd.	1,182.2
Bridge Deck Grooving			Sq. Yd.	2,909
Protective Coat			Sq. Yd.	3,898

MINIMUM BAR LAPS

(Slab)
#5 bar = 2'-2"
#6 bar = 2'-7"
#7 bar = 3'-5"
(Parapet)
#4 bar = 1'-4"
#8 bar = 3'-5"

Notes:
1. Work this sheet with Sheets 23, 24, & 25.
2. See Sheet 34 for Parapet Joint Details, Parapet Projection Details/Reinforcement, & Scupper Reinforcement Details.
3. See Sheets 35 & 36 for DS-11 & DS-12 Drainage Scupper Details, respectively.
4. See Sheet 37 for Bicycle Railing Details.
5. Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
6. Cut longitudinal reinforcement to clear drainage scuppers.

DESIGNED	- CLS
CHECKED	- RJC
DRAWN	- JHR
CHECKED	- RJC

SUPERSTRUCTURE DETAILS
UNIT 2
IL. 170 F.A.P. 786 OVER ILLINOIS RIVER AT SENECA
PUBLIC WATERS
LA SALLE COUNTY, SECTION 109 BR
STATION 79+04.42
STRUCTURE NO. 050-0246