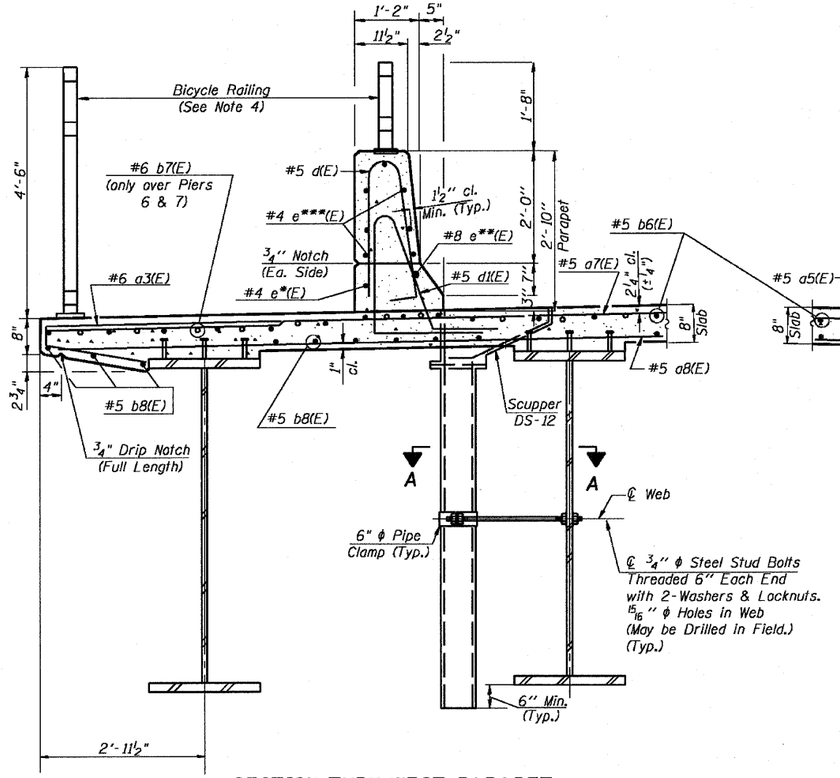
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EarthTech
A tyco International Ltd. Company

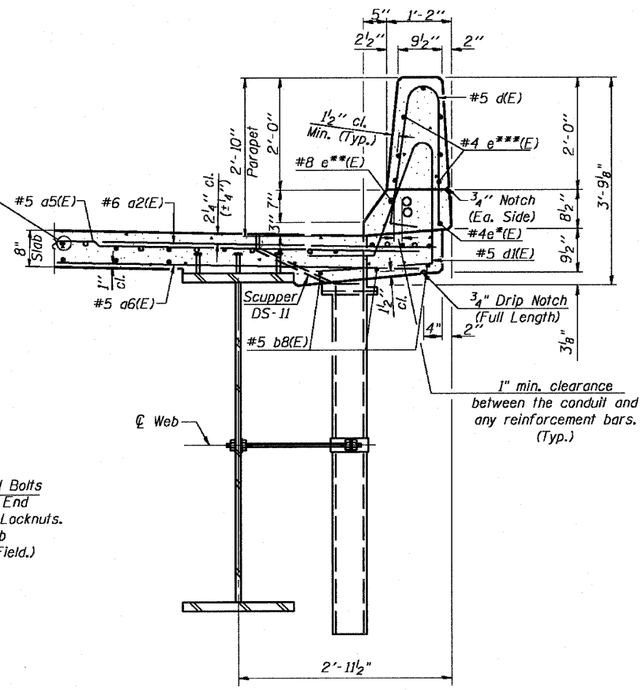
F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
786	109 BR	La Salle	351	230
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 30
89 SHEETS

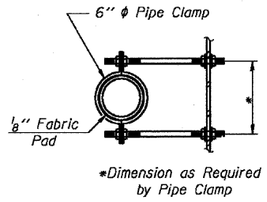
Contract # 66607



SECTION THRU WEST PARAPET
Looking North



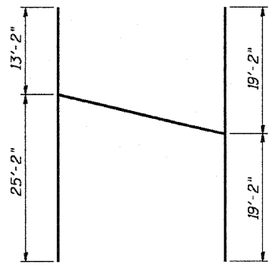
SECTION THRU EAST PARAPET
Looking North



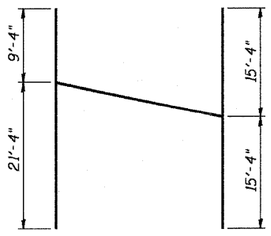
*Dimension as Required
by Pipe Clamp

SECTION A-A

#4 e*(E) = Bars #4 e(E) or #4 e13(E) or #4 e15(E)
#8 e**(E) = Bars #8 e1(E) or #8 e14(E) or #8 e16(E)
#4 e***(E) = Bars #4 e(E) or #4 e17(E) or #4 e18(E)

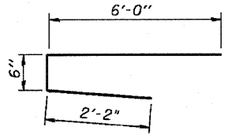


*CUTTING DIAGRAM
FOR BAR a7(E)

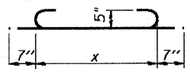


**CUTTING DIAGRAM
FOR BAR a8(E)

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

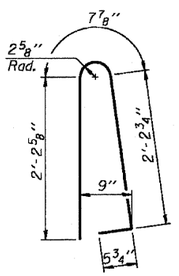


BARS a3(E)

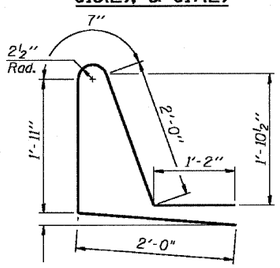


Bar	x
a10(E)	6'-4"
a15(E)	6'-9"
a16(E)	5'-6"
a17(E)	8'-7"

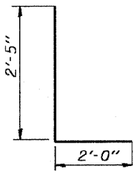
BARS a10(E), a15(E),
a16(E), & a17(E)



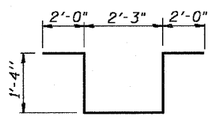
BAR d(E)



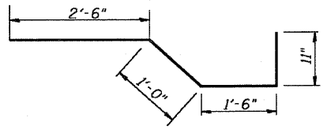
BAR d1(E)



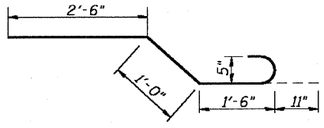
BARS d2(E)



BAR d3(E)



BAR x1(E)



BAR x2(E)

SUPERSTRUCTURE BILL OF MATERIAL

Unit 3 (Pier 5 to Pier 8)

Bar	No.	Size	Length	Shape
a2(E)	286	#6	6'-0"	
a3(E)	357	#6	8'-8"	
a4(E)	32	#5	2'-0"	
a5(E)	571	#5	27'-5"	
a6(E)	432	#5	30'-7"	
a7(E)	357	#5	38'-4***	
a8(E)	270	#5	30'-8***	
a10(E)	12	#5	7'-6"	
a12(E)	4	#6	38'-4"	
a13(E)	2	#6	23'-7"	
a14(E)	8	#7	26'-11"	
a15(E)	12	#5	7'-11"	
a16(E)	3	#5	6'-8"	
a17(E)	6	#6	9'-9"	
b6(E)	500	#5	38'-0"	
b7(E)	288	#6	26'-0"	
b8(E)	508	#5	32'-0"	
d(E)	786	#5	5'-7"	
d1(E)	786	#5	7'-8"	
d2(E)	9	#6	4'-5"	
d3(E)	15	#6	8'-11"	
e(E)	64	#4	19'-8"	
e1(E)	8	#8	19'-8"	
e13(E)	12	#4	29'-6"	
e14(E)	12	#8	30'-11"	
e15(E)	6	#4	36'-10"	
e16(E)	6	#8	38'-3"	
e17(E)	140	#4	16'-10"	
e18(E)	98	#4	14'-9"	
x1(E)	40	#5	5'-11"	
x2(E)	30	#5	5'-11"	
Reinforcement Bars, Epoxy Coated			Pound	126,730
Concrete Superstructure			Cu. Yd.	504.1
Bridge Deck Grooving			Sq. Yd.	1,360
Protective Coat			Sq. Yd.	1,740

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 27, 28, & 29.
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.

SUPERSTRUCTURE DETAILS
UNIT 3
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