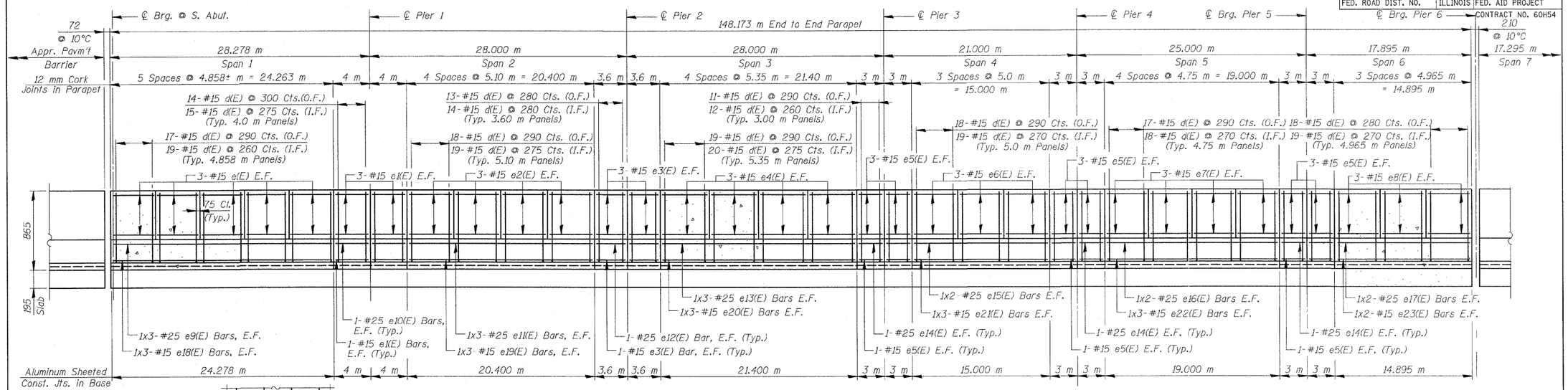
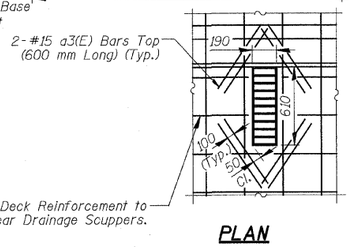
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15 VB-1-F	COOK	62	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60H54

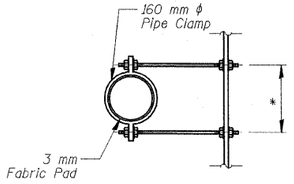


INSIDE ELEVATION OF PARAPET

Looking North-West



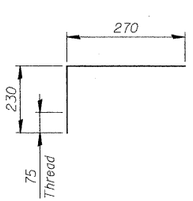
PLAN



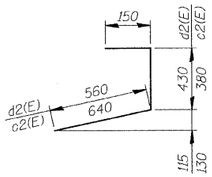
SECTION B-B

DRAINAGE SCUPPER DETAILS

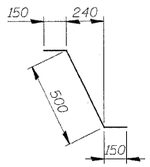
**Dimension as required by Pipe Clamp*



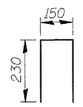
BAR c(E)



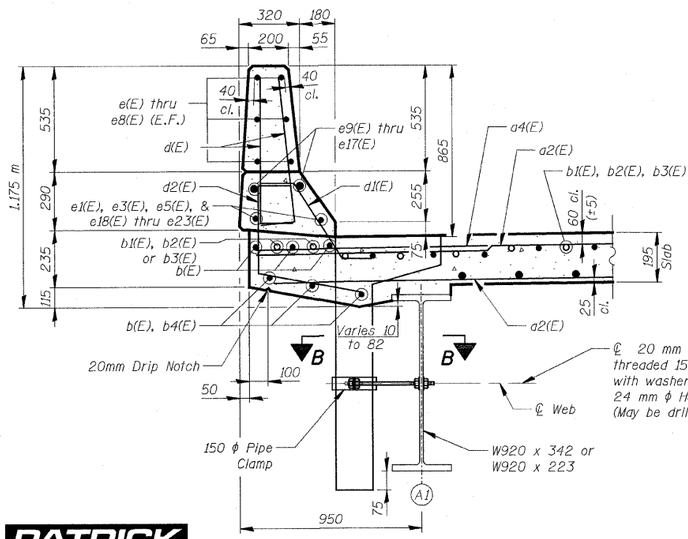
BAR c2(E) & d2(E)



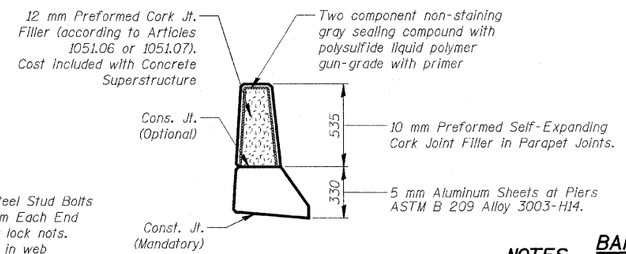
BAR d1(E)



BAR d5(E)

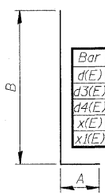


SECTION THRU PARAPET



PARAPET JOINT DETAILS

Const. Jts. at Piers and Locations as Shown. (Cost included with Concrete Superstructure)



Bar	A	B
d(E)	150	760
d3(E)	265	815
d4(E)	265	815
x(E)	180	1.1 m
x1(E)	260	510

BAR d(E), d3(E), d4(E), x(E) & x1(E)

SUPERSTRUCTURE - UNIT I
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH (m)	SHAPE
d(E)	1061	#15	9.45	—
a1(E)	744	#15	9.45	—
a2(E)	1805	#15	9.75	—
a3(E)	128	#15	0.60	—
a4(E)	530	#20	1.20	—
b(E)	2068	#15	10.35	—
b1(E)	65	#20	15.00	—
b2(E)	65	#20	13.70	—
b3(E)	195	#20	12.70	—
b4(E)	124	#15	5.70	—
c(E)	495	#15	0.50	—
c1(E)	495	#15	3.20	⌐
c2(E)	495	#15	1.17	⊂
d(E)	1096	#15	0.91	⌐
d1(E)	540	#15	0.80	⌐
d2(E)	495	#15	1.14	⊂
d3(E)	529	#20	1.08	⌐
d4(E)	529	#15	1.08	⌐
d5(E)	122	#15	0.61	⊏
e(E)	60	#15	4.71	—
e1(E)	28	#15	3.85	—
e2(E)	48	#15	4.95	—
e3(E)	28	#15	3.45	—
e4(E)	48	#15	5.20	—

BAR	NO.	SIZE	LENGTH (m)	SHAPE
e5(E)	84	#15	2.85	—
e6(E)	36	#15	4.85	—
e7(E)	48	#15	4.60	—
e8(E)	36	#15	4.84	—
e9(E)	6	#25	8.75	—
e10(E)	4	#25	3.85	—
e11(E)	6	#25	7.46	—
e12(E)	4	#25	3.45	—
e13(E)	6	#25	7.79	—
e14(E)	12	#25	2.85	—
e15(E)	4	#25	7.96	—
e16(E)	4	#25	9.96	—
e17(E)	4	#25	7.94	—
e18(E)	6	#15	8.39	—
e19(E)	6	#15	7.09	—
e20(E)	6	#15	7.43	—
e21(E)	6	#15	7.68	—
e22(E)	6	#15	6.63	—
e23(E)	4	#15	7.66	—
x(E)	66	#15	1.28	⌐
x1(E)	63	#15	770	⌐

Concrete Superstructure	m^3	801.4
Bridge Deck Grooving	m^2	2,223
Protective Coat	m^2	3,203
Reinforcement Bars, Epoxy Coated	kg	114,840
Bar Splicers	Each	1,801

NOTES

1. Reinforcement bars designated (E) shall be Epoxy Coated.
2. Bars indicated thus 20 x 3 - #15 etc. indicates 20 lines of bars with 3 lengths per line.
3. All dimensions are in millimeters (mm) except as noted.
4. The cost of expansion anchors/inserts is included in the cost of Reinforcement Bars, Epoxy Coated.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS - UNIT I - B

SOUTHWEST HIGHWAY OVER B&O RAILROAD AND STONY CREEK

FAU 3578 **SECTION** 15 VB-1-F

STRUCTURE NUMBER 016-2771

COOK COUNTY **STATION** 4+716.497

SCALE: NONE DRAWN BY: M. Tryon

DATE: MAY 22, 2009 CHECKED BY: A. Yargloogiu

PATRICK ENGINEERING INC. LISLE, ILLINOIS

jvermillion(Rdwy_Lisle) 5/29/2009 11:07:00 PM q:\Jobs\19556_a01\drawings\struct\fabrication_plans\2L_FAB_Deck_Details_UNIT 1B.dgn

FOR INFORMATION ONLY