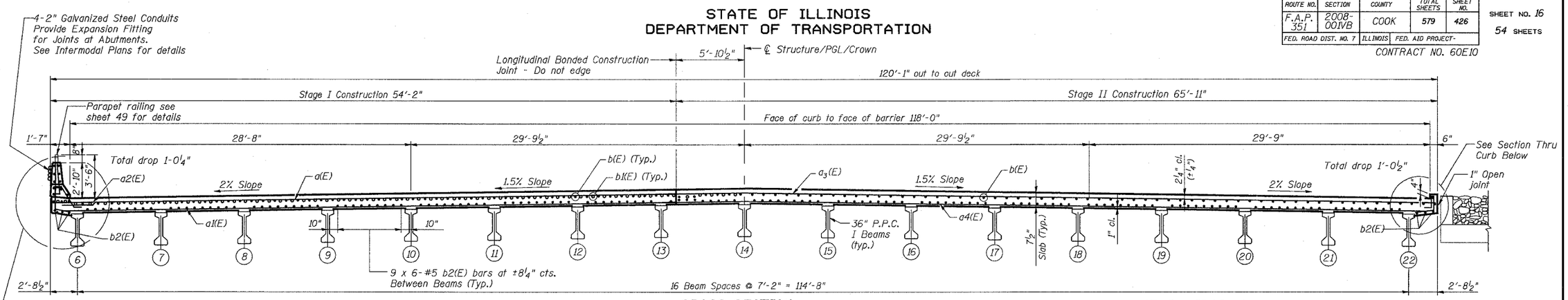
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	426
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

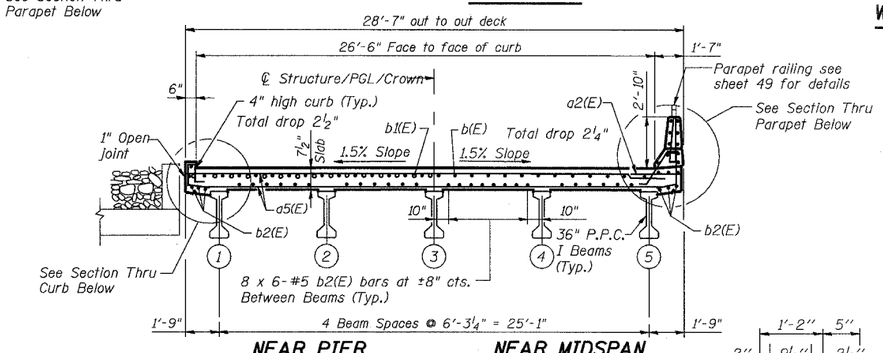
SHEET NO. 16
54 SHEETS

CONTRACT NO. 60E10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



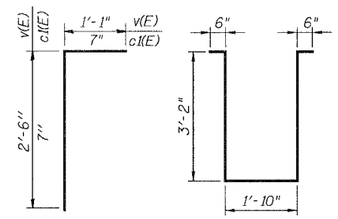
NEAR PIER



NEAR PIER NEAR MIDSPAN

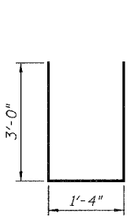
CROSS SECTION
WEST STRUCTURE - SN 016-2820

SCALE: ¼"=1'-0"
(Looking South)

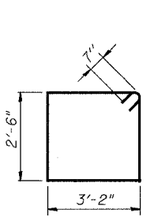


BARS v(E) & c1(E)

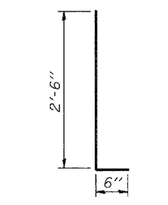
BAR s2(E)



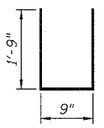
BAR s(E)



BAR s1(E)

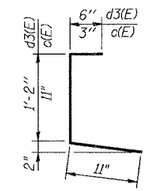


BARS d(E) & d_2(E)

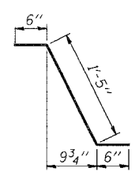


BAR u(E)

BAR c1(E)



BARS c(E) & d3(E)



BAR d1(E)

NEAR MIDSPAN

SUPERSTRUCTURE BILL OF MATERIAL

(FOR SN 016-2820 AND 016-2821)

Bar	No.	Size	Length	Shape
m(E)	96	#6	5'- 5"	———
m1(E)	64	#4	6'- 5"	———
m2(E)	22	#8	5'- 6"	———
m3(E)	24	#6	4'- 5"	———
m4(E)	16	#4	5'- 6"	———
m5(E)	60	#6	26'-4"	———
m6(E)	12	#6	28'-4"	———
s(E)	128	#5	7'- 4"	⊐
s1(E)	128	#4	12'- 6"	□
s2(E)	116	#4	9'- 2"	⊔
u(E)	150	#4	4'- 3"	⊔
v(E)	296	#5	3'- 7"	⌐
Bridge Deck Grooving		Sq Yd	1,533	
Protective Coat		Sq Yd	1,683	
Reinforcement Bars (Epoxy Coated)		Lb	107,630	
Concrete Superstructure		Cu Yd	516	
Bar Splicers		Each	609	

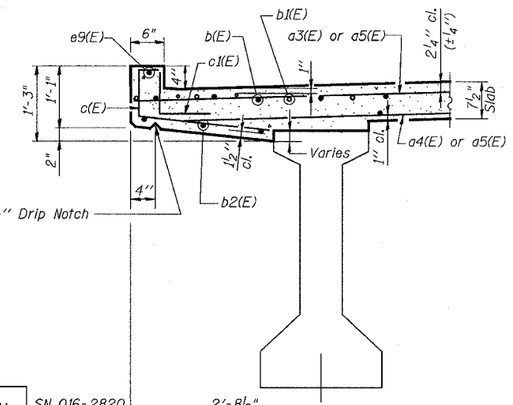
Bar	No.	Size	Length	Shape
a(E)	364	#5	27'- 3"	———
a1(E)	393	#5	19'- 0"	———
a2(E)	172	#6	4'- 6"	———
a3(E)	546	#5	23'- 2"	———
a4(E)	524	#5	17'- 9"	———
a5(E)	313	#5	28'- 3"	———
b(E)	775	#5	21'- 0"	———
b1(E)	152	#6	19'- 0"	———
b2(E)	1128	#5	17'- 9"	———
c(E)	216	#4	2'- 1"	⊏
c1(E)	216	#5	1'- 4"	⊏
d(E)	204	#5	3'- 0"	⌐
d1(E)	204	#5	2'- 5"	⌐
d2(E)	204	#4	3'- 0"	⌐
d3(E)	204	#4	2'- 7"	⊏
e(E)	24	#4	18'- 7"	———
e1(E)	12	#4	6'- 6"	———
e2(E)	24	#4	24'- 1"	———
e3(E)	8	#8	18'- 11"	———
e4(E)	4	#8	6'- 6"	———
e5(E)	8	#8	25'- 3"	———
e6(E)	8	#5	17'- 11"	———
e7(E)	4	#5	6'- 6"	———
e8(E)	8	#5	24'- 3"	———
e9(E)	8	#5	25'-10"	———
e10(E)	12	#4	4'- 9"	———
e11(E)	4	#8	4'- 9"	———
e12(E)	4	#5	4'- 9"	———
e13(E)	24	#4	14'- 7"	———
e14(E)	6	#4	12'- 2"	———

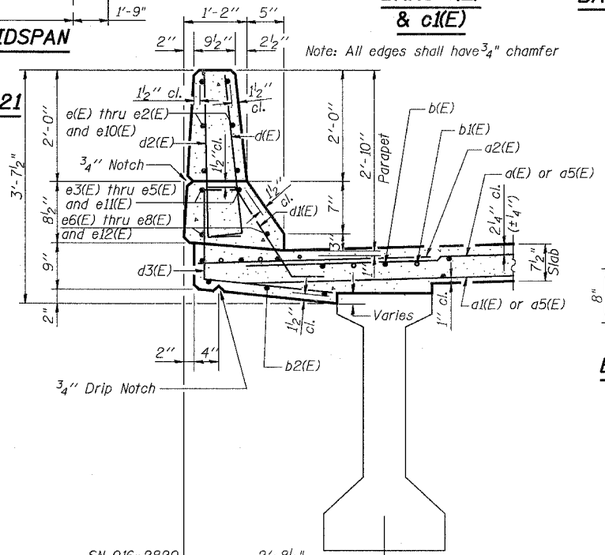
Notes:

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. Work this Sheet with Sheets 13 through 15 and 17.

CROSS SECTION
EAST STRUCTURE - SN 016-2821

SCALE: ¼"=1'-0"
(Looking South)





DESIGNED	EV
CHECKED	NPP
DRAWN	EV
CHECKED	NPP

SN 016-2820 / SN 016-2821 — 2'-8½" / 1'-9"

SECTION THRU CURB SN 016-2821

SCALE: N.T.S.
(for SN 016-2820 Similar opposite end)

SN 016-2820 / SN 016-2821 — 2'-8½" / 1'-9"

SECTION THRU PARAPET SN 016-2820

SCALE: N.T.S.
(for SN 016-2821 Similar opposite end) (Parapet railing and conduits are not shown for clarity)

REVISIONS	
NAME	DATE

URS
100 South Wacker Drive, Suite 500
Chicago, IL 60606
(312) 939-1000

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1

SUPERSTRUCTURE DETAILS

STRUCTURES FOR CN INTERMODAL YARD VEHICLES OVER U.S. RTE. 6 (159TH STREET)

STATION 95+02.14 — STRUCTURE NOS. 016-2820 & 016-2821

SCALE: AS NOTED — DATE: 2/21/2008

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