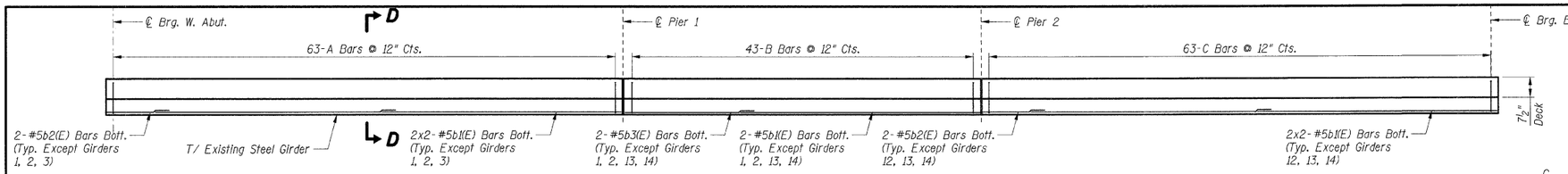
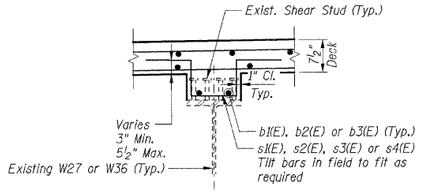


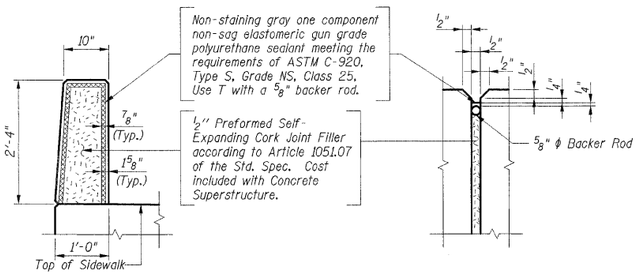
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2021.1B-R	COOK	101	072
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62532				



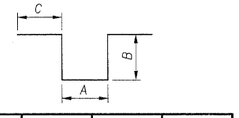
SECTION D-D

GIRDER	A	B	C
1	-	-	s2(E)
2	-	-	s2(E)
3	-	s4(E)	s2(E)
4	s1(E)	s4(E)	s2(E)
5	s2(E)	s4(E)	s2(E)
6	s2(E)	s4(E)	s2(E)
7	s2(E)	s4(E)	s2(E)
8	s2(E)	s4(E)	s2(E)
9	s3(E)	s4(E)	s2(E)
10	s3(E)	s4(E)	s2(E)
11	s3(E)	s4(E)	s1(E)
12	s2(E)	s4(E)	-
13	s2(E)	-	-
14	s2(E)	-	-

ADDITIONAL FILLET REINFORCEMENT



PARAPET JOINT DETAILS



Bar	A	B	C
d5(E)	2'-3"	1'-4"	2'-0"
s1(E)	0'-10"	0'-7"	1'-3"
s2(E)	0'-10"	0'-8½"	1'-3"
s3(E)	0'-10"	0'-9½"	1'-3"
s4(E)	0'-8"	0'-7"	1'-3"

Bars d5(E), s1(E), s2(E), s3(E) & s4(E)

Bar	A	B
d1(E)	3'-5½"	0'-10½"
d4(E)	2'-8"	2'-0"

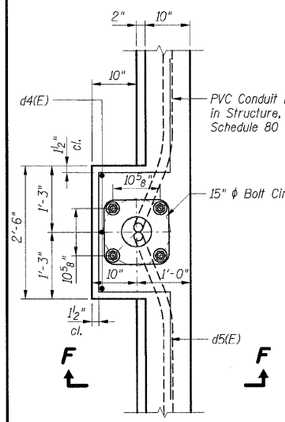
Bars d1(E) & d4(E)

BAR LIST

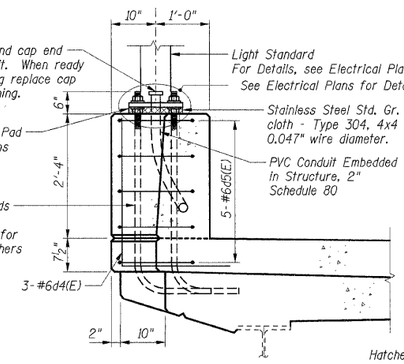
Bar	No.	Size	Length	Shape
a1(E)	604	#5	42'-0"	
a2(E)	633	#5	28'-4"	
a3(E)	48	#5	2'-0"	
b1(E)	968	#5	30'-0"	
b2(E)	388	#5	9'-0"	
b3(E)	192	#5	16'-7"	
c1(E)	350	#5	2'-5"	
c2(E)	362	#5	8'-1"	
d1(E)	350	#6	4'-4"	
d2(E)	350	#4	4'-11"	
d3(E)	96	#4	2'-0"	
d4(E)	12	#6	4'-8"	
d5(E)	20	#6	8'-11"	
e1(E)	96	#4	14'-8"	
e2(E)	24	#4	19'-3"	
e3(E)	12	#4	14'-4"	
s1(E)	126	#5	4'-6"	
s2(E)	1071	#5	4'-9"	
s3(E)	189	#5	4'-11"	
s4(E)	430	#5	4'-4"	

BILL OF MATERIAL

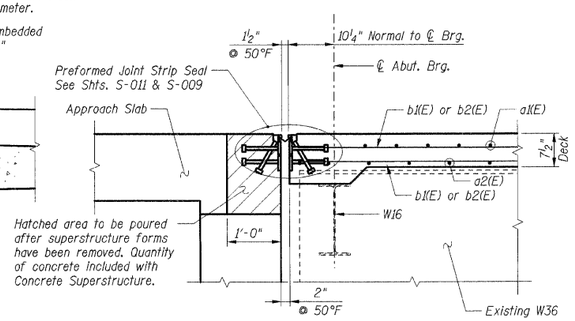
Item	Unit	Total
Concrete Superstructure	Cu Yd	525.9
Bridge Deck Grooving	Sq Yd	1241
Protective Coat	Sq Yd	1730
Reinforcement Bars, Epoxy Coated	lbs	100,530



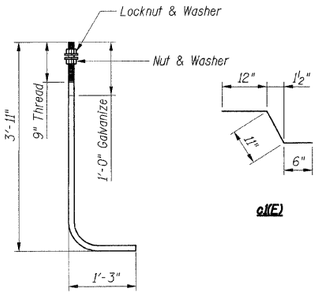
LIGHT POLE FOUNDATION PLAN



SECTION F-F



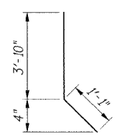
SECTION B-B



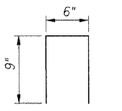
1¼" ϕ ANCHOR ROD

(ASTM F 1554 Grade 105)

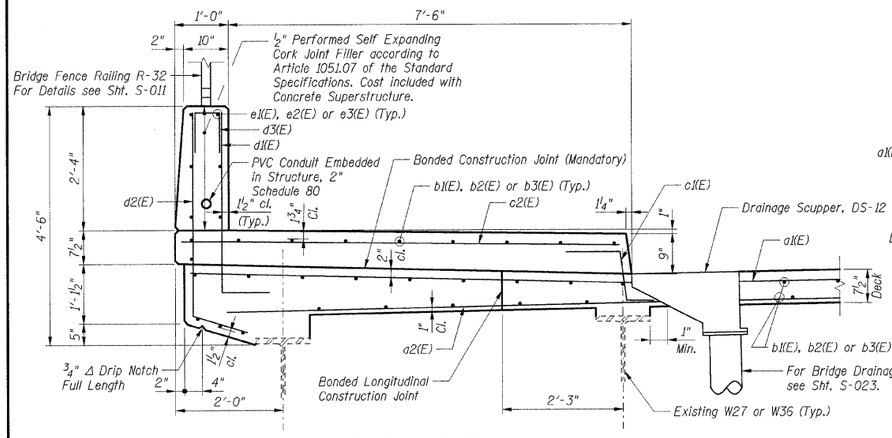
a1(E)



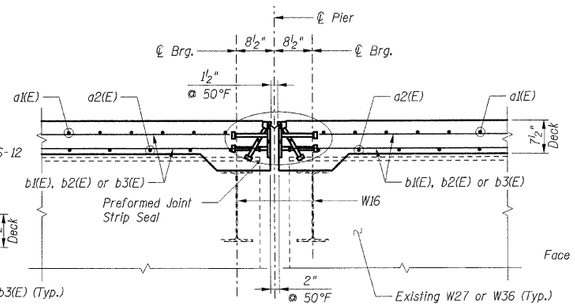
d2(E)



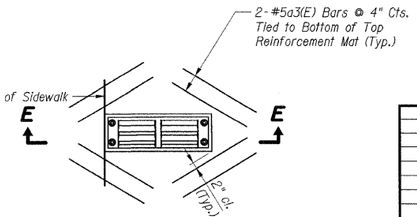
d3(E)



SECTION E-E



SECTION C-C



SCUPPER PLAN

(6 Thus)

LAP LENGTHS	
Bar Size	Min. Lap
#5	1'-8"

Notes:
1. Work this sheet with Shts. S-006 & S-007.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Bars indicated thus 30 x 2-#5 etc. indicates 30 lines of bars with 2 lengths per line.
4. E.F. indicates Each Face
   I.F. indicates Inside Face
   O.F. indicates Outside Face

SHT. S-008

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 57 (INTERSTATE 57)
111TH STREET BRIDGE DECK REPLACEMENT
111th STREET OVER I-57
SN 016-0989 STA. 556+99.89
COOK COUNTY

SUPERSTRUCTURE DETAILS 2

DRAWN BY: TMH
DATE: 01/16/09 CHECKED BY: JLR

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE., CHICAGO, IL 60601
TELEPHONE: 312.616.0000

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2-27-2009, 148308 T:\DOCUMENT\105960\STRUCTR\DGN\SUDOOU.DGN HOUGHTM
pen table: N/A color table: K:\STANDARD\TENG\DATA\COLORTABLE.TBL