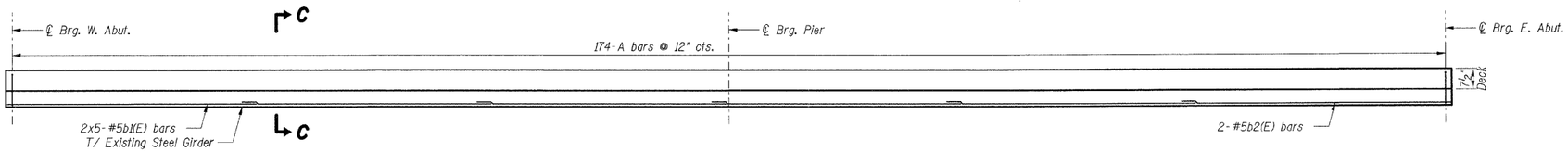
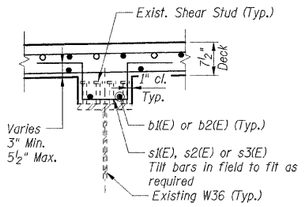
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1920.1B-R	COOK	101	074
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62533

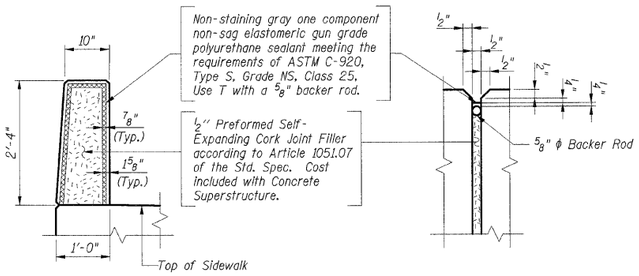


GIRDER	A
1	#5s1(E)
2	#5s1(E)
3	#5s2(E)
4	#5s2(E)
5	#5s3(E)
6	#5s3(E)
7	#5s3(E)
8	#5s3(E)
9	#5s3(E)
10	#5s3(E)
11	#5s2(E)
12	#5s2(E)
13	#5s1(E)
14	#5s1(E)

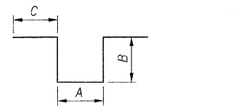
ADDITIONAL FILLET REINFORCEMENT



SECTION C-C

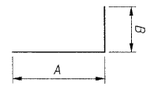


PARAPET JOINT DETAILS



Bar	A	B	C
d5(E)	2'-3"	1'-4"	2'-0"
s1(E)	0'-10"	0'-6½"	1'-3"
s2(E)	0'-10"	0'-8"	1'-3"
s3(E)	0'-10"	0'-9½"	1'-3"

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



Bar	A	B
d1(E)	3'-5½"	0'-10½"
d4(E)	2'-7"	2'-0"

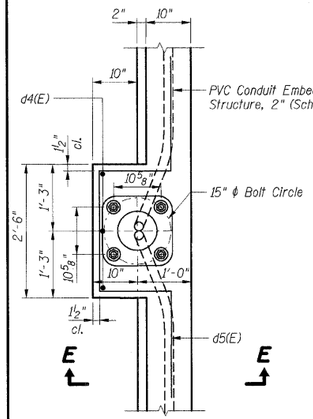
Bars d1(E) & d4(E)

BAR LIST

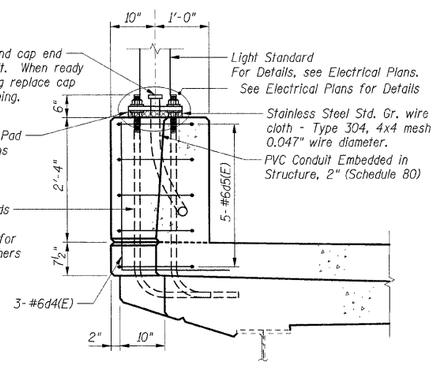
Bar	No.	Size	Length	Shape
a1(E)	598	#5	42'-0"	
a2(E)	624	#5	28'-4"	
a3(E)	8	#5	43'-10"	
a4(E)	8	#5	29'-7"	
a5(E)	56	#5	2'-0"	
b1(E)	1000	#5	30'-0"	
b2(E)	131	#5	33'-0"	
b3(E)	138	#5	17'-4"	
b4(E)	246	#6	23'-0"	
c1(E)	348	#5	2'-5"	
c2(E)	352	#5	8'-1"	
d1(E)	348	#6	4'-4"	
d2(E)	348	#4	4'-8"	
d3(E)	100	#4	2'-0"	
d4(E)	12	#6	4'-7"	
d5(E)	20	#6	8'-11"	
e1(E)	72	#4	18'-8"	
e2(E)	24	#4	15'-2"	
e3(E)	24	#4	13'-8"	
s1(E)	696	#5	4'-5"	
s2(E)	696	#5	4'-8"	
s3(E)	1044	#5	4'-11"	

BILL OF MATERIAL

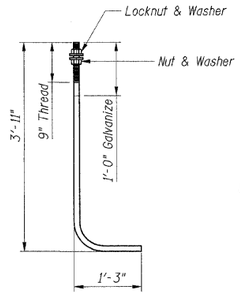
Item	Unit	Total
Concrete Superstructure	Cu Yd	512.9
Bridge Deck Grooving	Sq Yd	1,240
Protective Coat	Sq Yd	1,728
Reinforcement Bars, Epoxy Coated	lbs	113,140



LIGHT POLE - PLAN

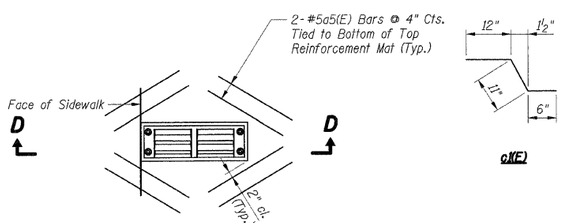


SECTION E-E



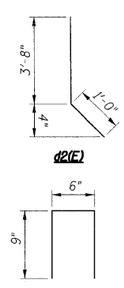
1¼" ϕ ANCHOR ROD

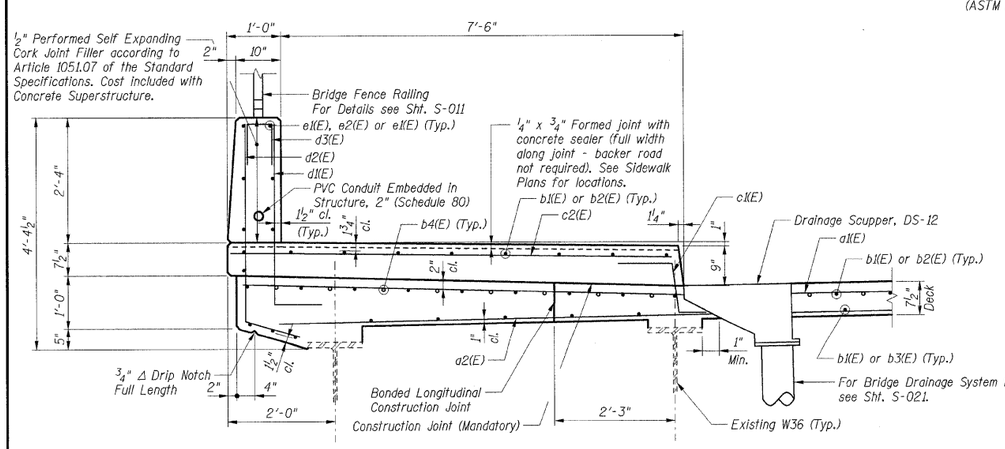
(ASTM F 1554 Grade 105)



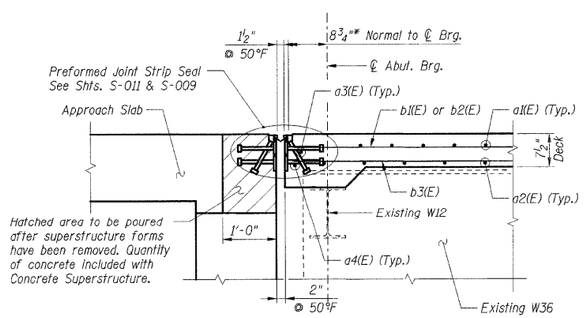
SCUPPER PLAN

(7 Thus)





SECTION D-D



SECTION B-B

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)
112TH PLACE BRIDGE DECK REPLACEMENT
112th PLACE OVER I-57
SN 016-0988 STA. 546+15.56
COOK COUNTY

SUPERSTRUCTURE DETAILS II

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

..\SUDOONL7.DGN ..\SUDOONL7.DGN ..\SUDOONL7.DGN ..\SUDOONL7.DGN ..\SUDOONL7.DGN ..\BRBGRDER.DGN
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