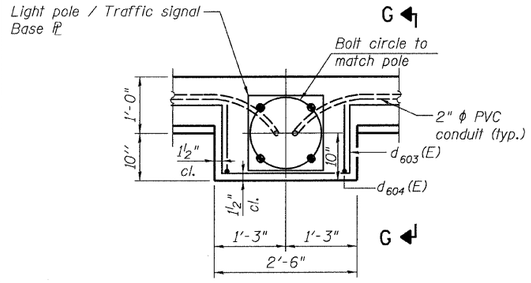
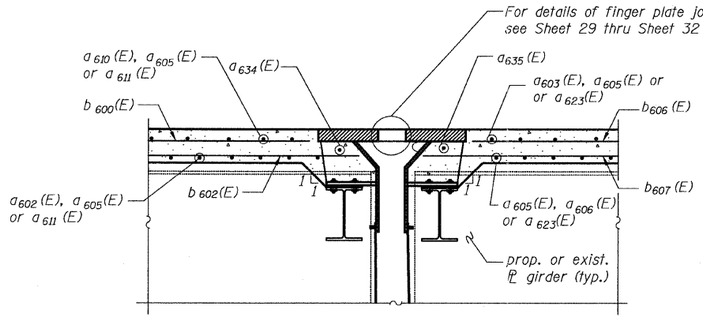
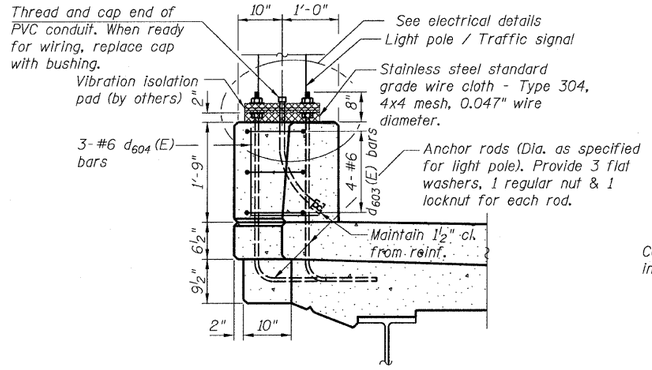
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



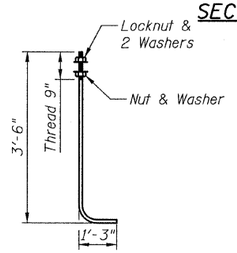
PLAN
LIGHT POLE & TRAFFIC SIGNAL SUPPORT (MOUNTED ON PARAPET)



SECTION E-E



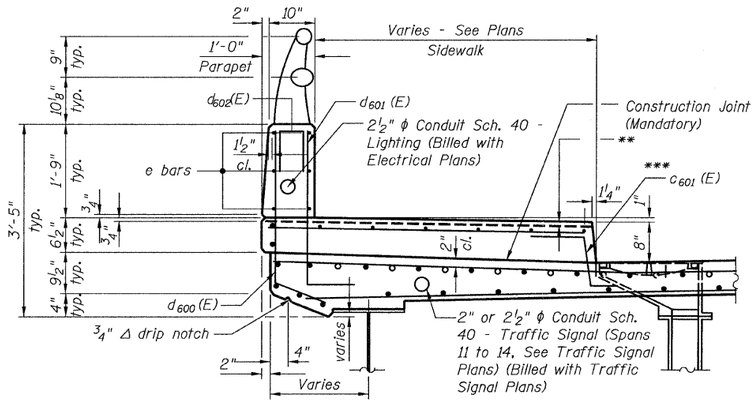
SECTION G-G



ANCHOR ROD

Diameter as specified for light poles/traffic signal poles (ASTM F 1554 Grade 105)

Cost of anchor bolts & conduit is included with Concrete Superstructure.



SECTION THRU SIDEWALK & PARAPET

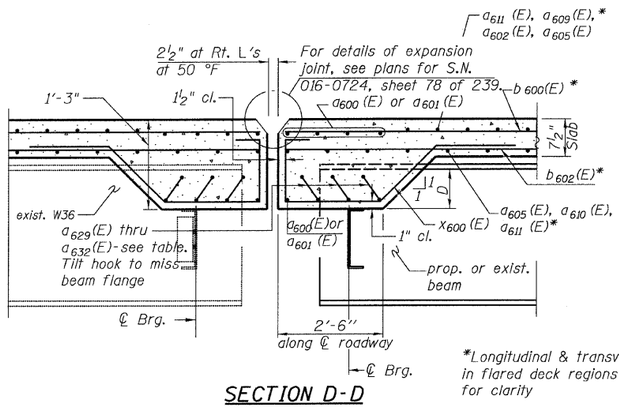
** 1/4"x3/4" formed joint with concrete sealer (full width along joint-backer rod not required) at piers and either side. See deck plans for locations.

*** In lieu of bottom leg c_{601} (E) bars may be cored and set according to article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per Manufacturer's Recommendations, maximum depth of cored hole shall not exceed 5½".

BARS IN EDGE BEAM ALONG C ABUT. 4

BAYS	# of x_{600} (E) Bars/Bay	Bar mark along skew
NG6 to NG5	4	a_{629} (E)
NG5 to NG4	4	
NG4 to NG3	3	
NG3 to NG2	5	a_{630} (E)
NG2 to NG1		
NG1 to A		
A to B thru G to H	5	a_{631} (E)
H to J	4	**
J to K thru R to NG7	5	a_{631} (E)
NG3 to NG2	7	a_{632} (E)
NG2 to NG1		
NG1 to A		

** See Bar Splicer Assembly sheet



SECTION D-D

*Longitudinal & transverse bars in flared deck regions not shown for clarity

DIMENSION "D"

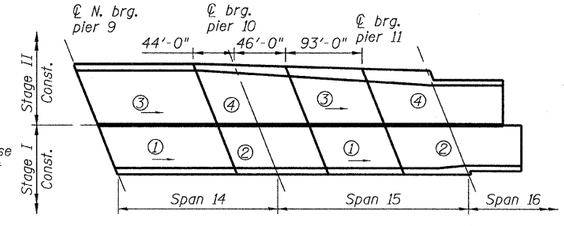
Girder	D
NG1 thru NG3, NG7	$5\frac{5}{8}$"
A thru R (max.)	$4\frac{3}{8}$"
NG4, NG5, NG8 & NG9	$6\frac{1}{4}$"
NG10	$6\frac{3}{8}$"
NG6	7"

NOTES:

When the deck pour is stopped for the day at one or more of the transverse bonded construction joints in the deck pouring sequence as shown, the next pour shall not be made until both of the following are met:

1. At least 72 hours shall have elapsed from the end of the previous pour.

2. The concrete strength shall have attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.



POURING SEQUENCE
(Spans 14, 15 & 16)

SUPERSTRUCTURE DETAILS 1
STRUCTURE NO. 016-3240

TY·LIN INTERNATIONAL

DESIGNED	DY, LS
CHECKED	AMD, LS
DRAWN	DY, LS
CHECKED	AMD, LS
DATE	03/25/2011

REVISIONS	
NAME	DATE

SHEET NO. 27
73 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	0711.2R & 1011.1BR	COOK	741	630
		CONTRACT NO. 60999		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

5/9/2011

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