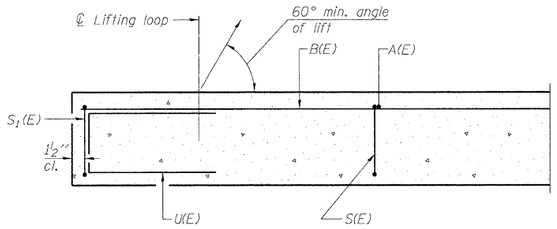
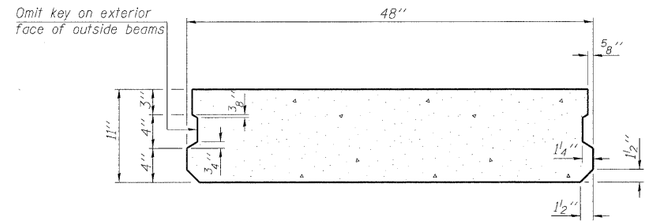
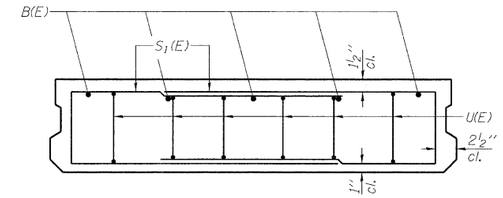
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



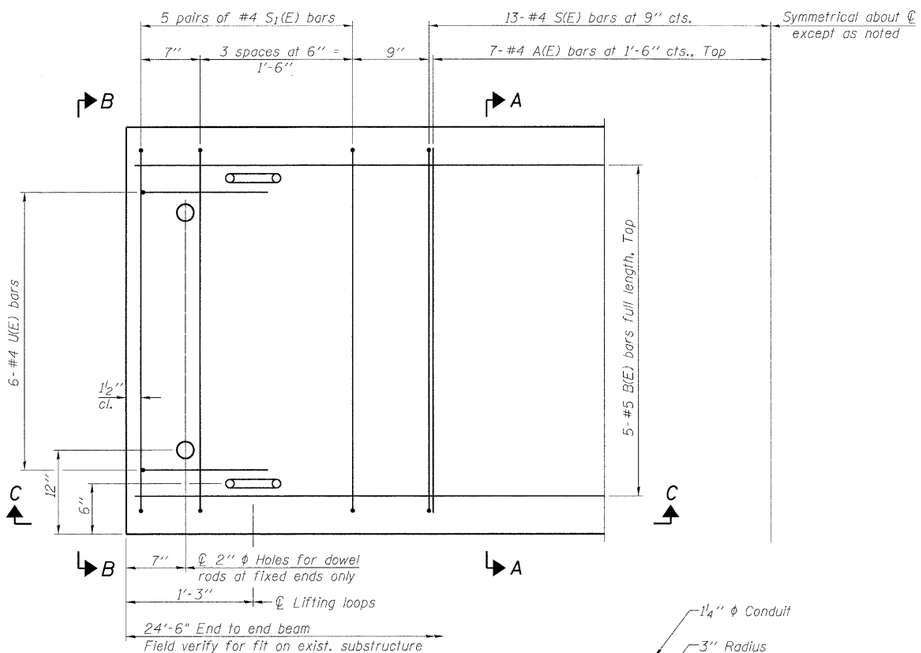
SECTION C-C



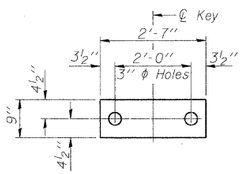
SECTION A-A
(Showing dimensions)



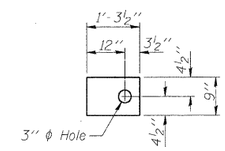
VIEW B-B



PLAN VIEW



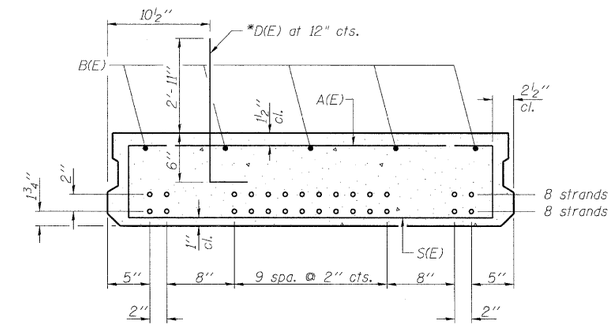
FABRIC BEARING PAD
(Interior)



FABRIC BEARING PAD
(Exterior)

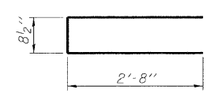
FIXED

Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.

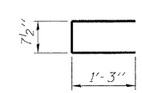


SECTION A-A
(Showing reinforcement and permissible strand locations)

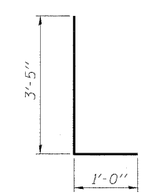
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.



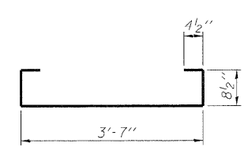
BAR S1(E)



BAR U(E)



BAR D(E)

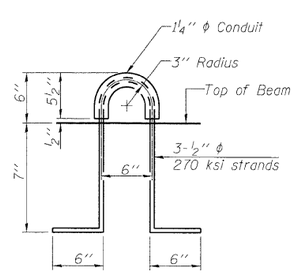


BAR S(E)

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	14	#4	3'-7"	
B(E)	5	#5	24'-2"	
*D(E)	25	#5	4'-5"	
S(E)	26	#4	5'-9"	
S1(E)	20	#4	6'-1"	
U(E)	12	#4	3'-2"	

*D(E) bar to be cast into outside beams only. See sht. S8 of S17 for details.



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.
Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).
Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2½" ϕ lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
See sheet S13 of S17 for 11"x52" PPC Deck Beams.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (11" depth)	Sq. Ft.	588

11" x 48" PPC DECK BEAMS
STRUCTURE NO. 049-0152

DESIGNED - SLV					
CHECKED - DJB					
DRAWN - SLV					
CHECKED - DJB					

LONCO, INC.
CONSULTING ENGINEERS
1560 WALL ST, SUITE 222
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100

	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEET NO. S14	338	108 B-1	LAKE	40	26
OF S17 SHEETS	D-91-289-09		CONTRACT NO. 60F92		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		