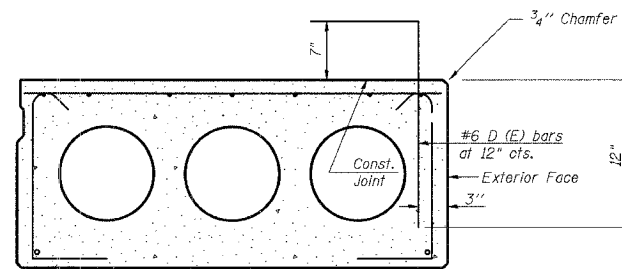
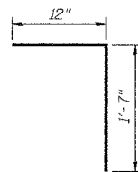
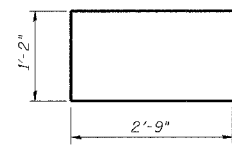
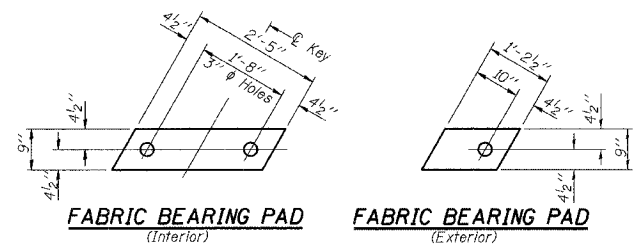
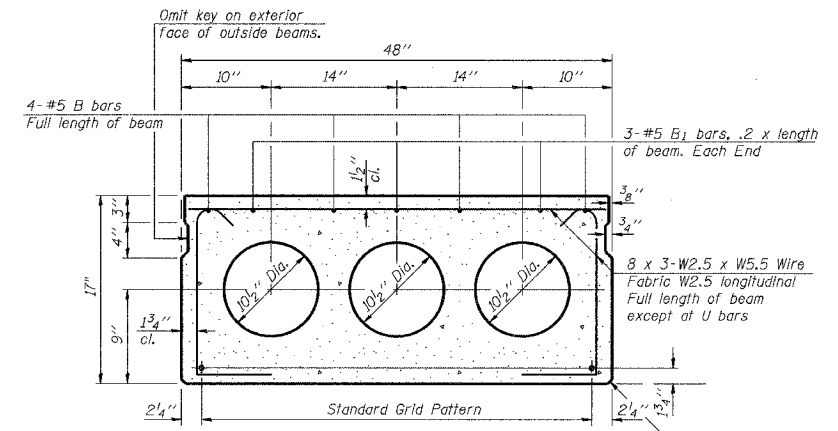


RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9th	05-00142-00-BR	COLES	16	11
STA. 14+00		TO STA. 15+80		

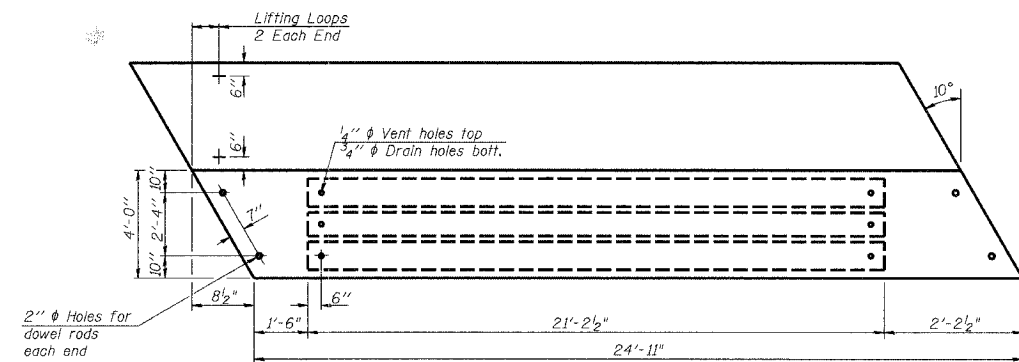


SECTION THRU EXTERIOR BEAMS
 See Section Thru Interior Beams for strand pattern, dimensions and bar call outs. D (E) bars shall be placed in the two exterior beams each side of superstructure.

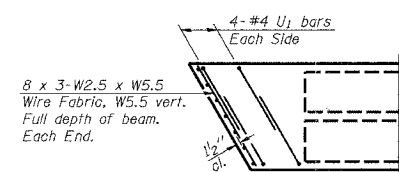


SECTION THRU INTERIOR BEAMS
 1/2" Strands, Each Strand Stressed to 30,900 Lbs.
 9 - Strands 1 3/4" up

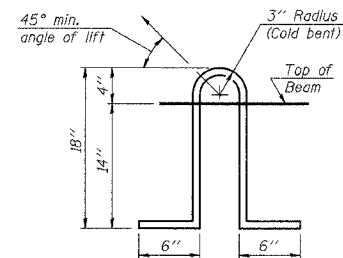
Notes:
 Place strands symmetrically about centerline of beam.



PLAN



END PLAN



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 2 - 1/2" #270 ksi strands, as shown.
 Non prestressing steel shall conform to AASHTO M-31, M-42 or M-53 Grade 60.
 The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.
 Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.
 Corrosion Inhibitor, as covered in Art. 1020.05(b)(12) of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
 Required Release Strength, f'ci, shall be 4,000 p.s.i.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
B	48	#5	24'-7"	—
B1	72	#5	5'-0"	—
B(E)	2	#5	24'-7"	—
D (E)	100	#6	2'-7"	7
U1	192	#4	6'-8"	□
Precast Prestressed Conc. Deck Bms.		Sq. Ft.	1196	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK BEAM 2 DETAILS
 9th St. Over Kickapoo Creek
 SECTION 05-00142-00-BR
 CITY OF MATTOON STA. 14+95
 STRUCTURE NO. 015-6339

SCALE: N.T.S. DRAWN BY
 DATE CHECKED BY

DATE = 10/25/2007
 FILE NAME = P:\Missouri\9th St. Bridge\DRAWINGS\05BET1.dgn
 PLOT SCALE = 1:8271 / IN.
 USER NAME = JGBER