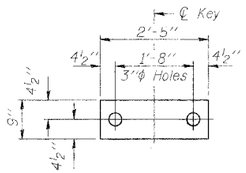
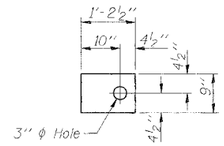
93393

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MASSEY LANE	*	MORGAN	15	5
FED. RD. DIST. NO.		ILLINOIS	FED. AID PROJECT	

*03-06118-00-BR

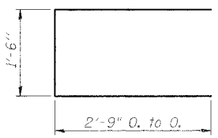


½" FABRIC BEARING PAD
(Interior)

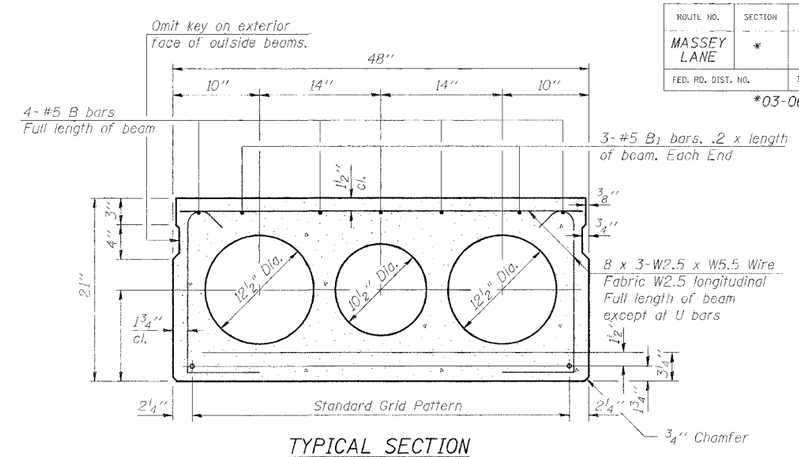


½" FABRIC BEARING PAD
(Exterior)

FIXED



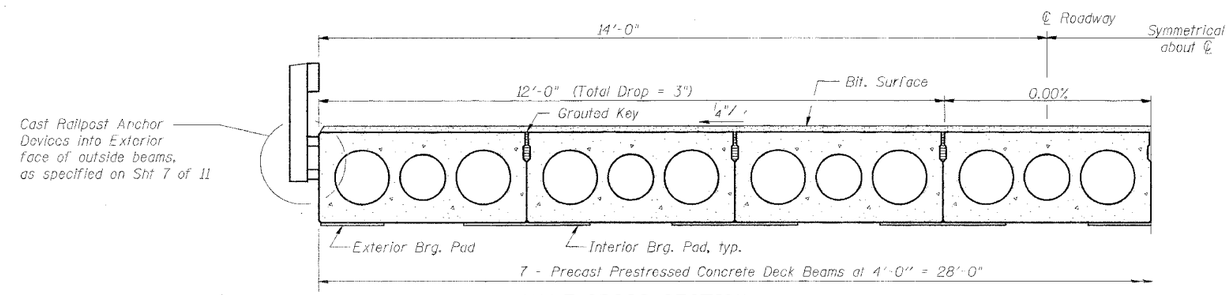
BAR U



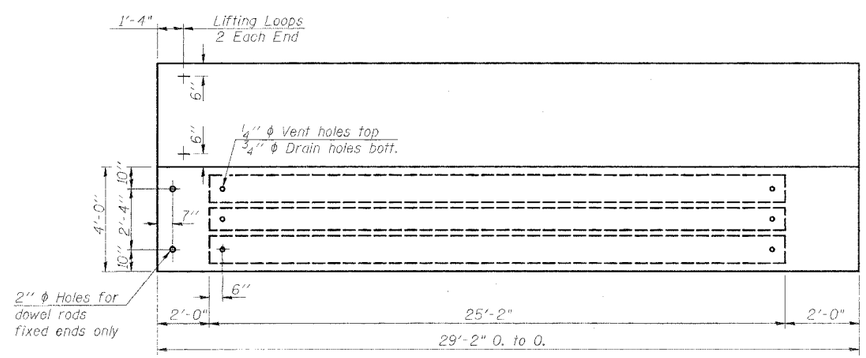
TYPICAL SECTION

½" φ Strands, Each Strand Stressed to 30,900 Lbs.
9-Strands 1¾" up

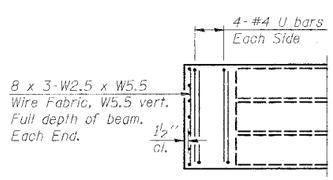
Note:
Place strands symmetrically about ℄ of beam.



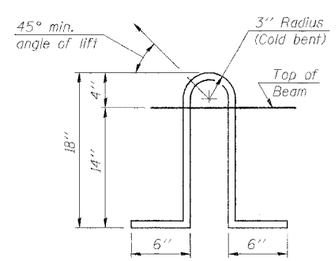
HALF CROSS SECTION



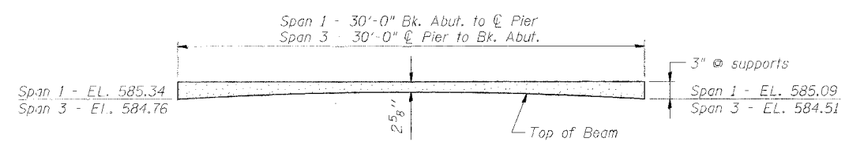
PLAN



END PLAN



LIFTING LOOP DETAIL



PROFILE OF OVERLAY

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
Precast Prestressed Conc. Deck Bms. (21" Depth)			Sq. Ft.	1633.3

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.
Lifting loops shall be 2 - ½" φ-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 ⅛" 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 the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
Required Release Strength, f'ci, shall be 4000 p.s.i.
Lifting Loops shall be burned off beam placement.

DRAWN BY MKC
CHECKED BY LEL
APPROVED BY REG
DATE MARCH, 2005

REVISIONS
DATE | BY

SUPERSTRUCTURE (SPANS 1 & 3)
MASSEY LANE OVER SANDY CREEK
SEC 03-06118-00-BR STA. 12+25.00

MORGAN COUNTY, ILLINOIS

Benton & Associates, Inc.
Consulting Engineers / Land Surveyors
1970 West Lafayette Avenue Jacksonville, Illinois 62650
Phone : 217-245-4146 Fax : 217-245-4149
IL Design Firm Registration No. 184-000852

FIELD BOOK: SCALE: N.T.S. JOB NO. 02E1314 SHEET 5 OF 15

PD-4-SA 1-16-04