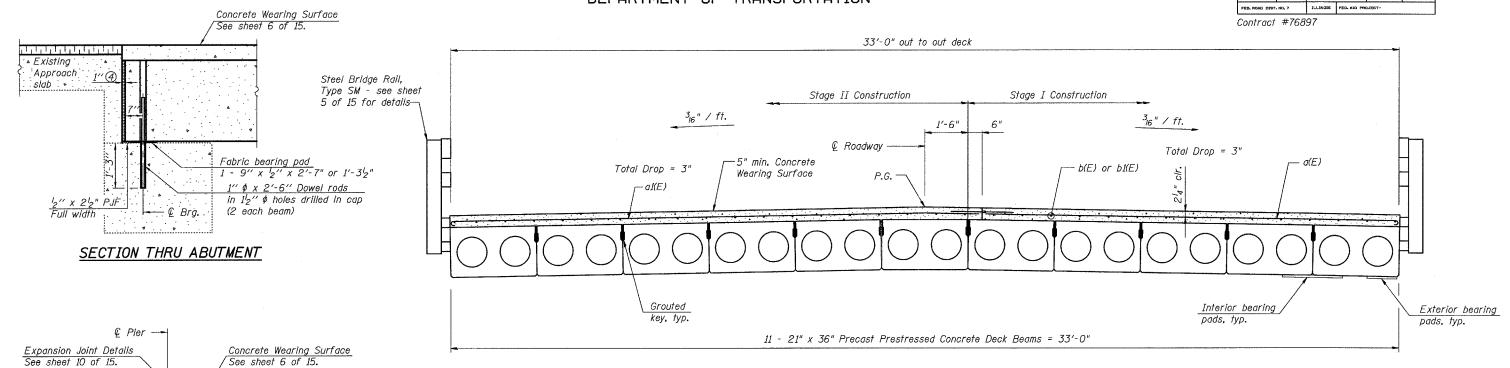
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET NO. ROUTE NO. TOTAL SHEET NO. 7 F.A.P. 52 35 *15* SHEETS BOND 112BR-2 RTE. 793



CROSS SECTION

(Looking East)

51'-05" 51'-6" 51'-7" 51'-3" € Brg. W. Abut.-—— € Span 3 ---€ Span 4 −@ Span 2 --- € Brg. E. Abut.

SECTION THRU PIERS 1 & 3

14" x 34" Sawed joint with

½" x 6" PJF Full width

Fabric bearing pad

2 - 9" x 4" x 2'-1" or 1'-02"

<u>Fabric bearing pad</u> 1 - 9" x ½" x 2'-7" or 1'-3½" 1'' ∮ x 2'-6'' Dowel rods in 1½" \$\phi\$ holes drilled in cap

(2 each beam)

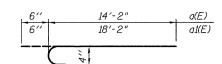
- € Brg.

concrete joint sealer without Concrete Wearing Surface the backer rod (full width) See sheet 6 of 15.

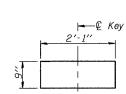
SECTION THRU PIER 2

REINFORCED CONCRETE WEARING SURFACE PROFILE

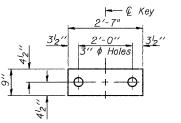
Thicknesses shown are for Beams 1 thru 5 and 7 thru 11. Thickness for Beam 6 will vary from those shown at beam edges to 4" additional at & Roadway.

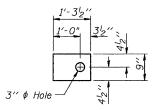


a(E) & a1(E) BARS









FABRIC BEARING PAD

FABRIC BEARING PAD

EXPANSION

FABRIC BEARING PAD

FABRIC BEARING PAD

FIXED

SUPERSTRUCTURE BILL OF MATERIAL

I	Bar	No.	Size	Length	Shape
	a(E)	207	#4	14'-8"	
	a1(E)	207	#4	18'-8"	
1	b(E)	136	#4	26'-10"	
-	b1(E)	102	#4	35'-3"	
-					
	Concrete V		Sq. Yd.	753	
	Reinforcem Epoxy Coa		Pound	9,450	

- (1) After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.
- 2 Dowel rods drilled in cap are included in the cost of Precast Prestressed Concrete Deck Beams (21" depth).
- 3 Concrete wearing surface to be poured after grouting the shear keys.
- 4) 1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

SUPERSTRUCTURE DETAILS IL ROUTE 143 OVER BEAVER CREEK F.A.P. ROUTE 793 - SECTION 112BR-2 BOND COUNTY STA. 670+40

STRUCTURE NO. 003-0035