

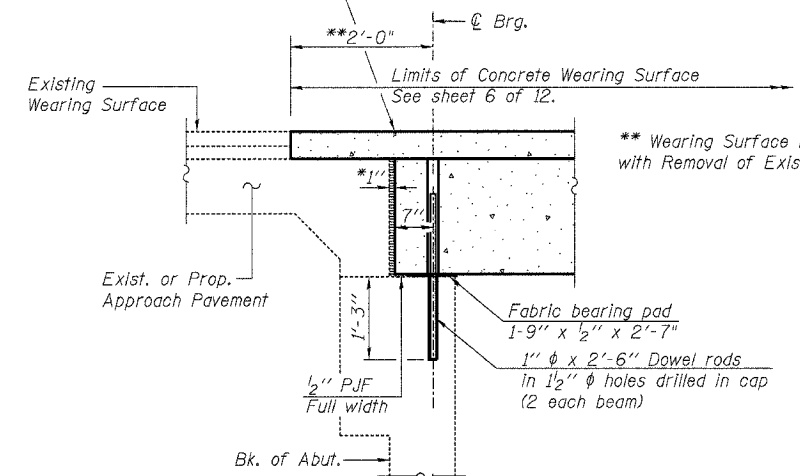
RAIL POST SPACING

(Dimensions measured along exterior face of outside beam.)

**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	58	#4	14'-8"	—
a ₁ (E)	58	#4	18'-8"	—
a ₂ (E)	2	#4	10'-0"	—
a ₃ (E)	2	#4	15'-8"	—
a ₄ (E)	54	#4	8'-2"	—
a ₅ (E)	4	#4	10'-3"	—
b(E)	48	#4	31'-9"	—
b ₁ (E)	36	#4	29'-10"	—
Bar Splicers			Each	60
Reinforcement Bars, Epoxy Coated			Pound	3390
Concrete Wearing Surface, 5"			Sq. Yd.	271

1/4" x 3/4" Sawn joint with concrete joint sealer without the backer rod (full width)

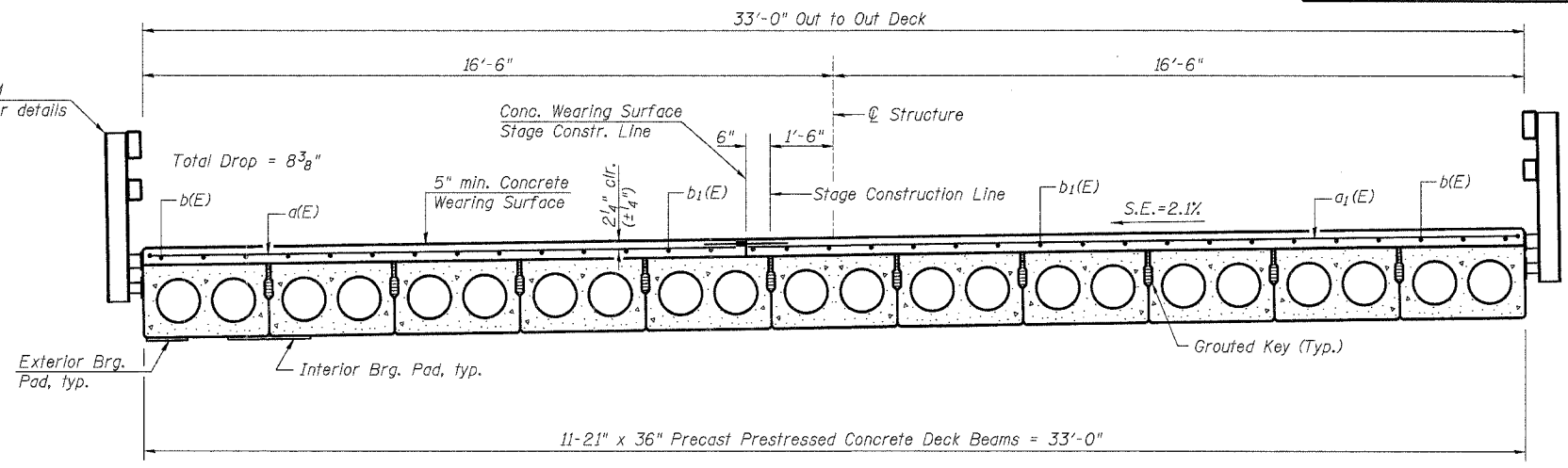


SECTION THRU ABUTMENT AT INTERIOR BEAMS

(@ Rt. L's)

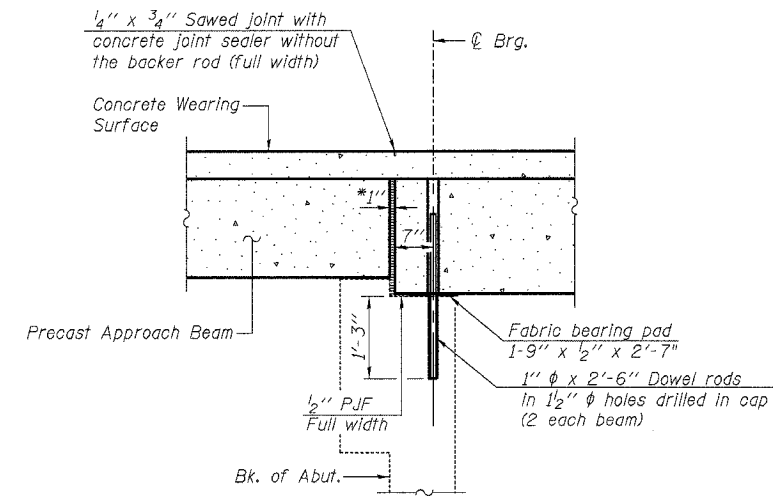
* 1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Steel Railing, Type SM
See Sheet 4 of 12 for details



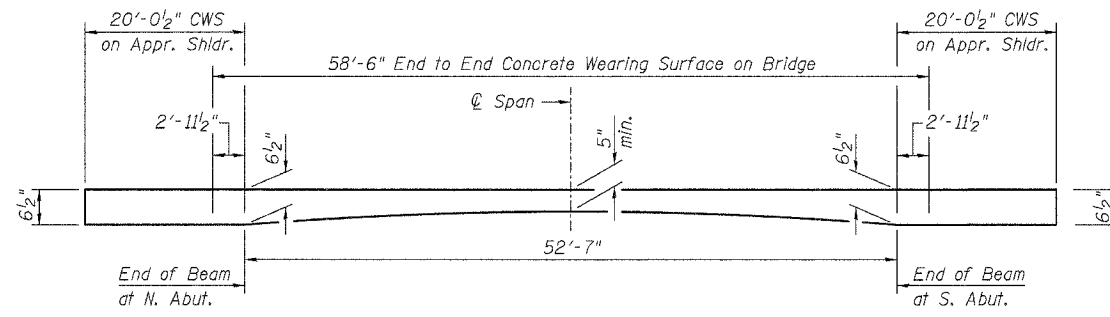
CROSS SECTION

(Looking South)



SECTION THRU ABUTMENT AT EXTERIOR BEAMS

(@ Rt. L's)



REINFORCED CONCRETE WEARING SURFACE PROFILE

(At edge of bridge deck)

Notes:
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.
Dowel rods drilled in cap are included in the cost of Precast Prestressed Concrete Deck Beams (21" Depth).
All horizontal dimensions are at right angles to beam ends, unless noted otherwise.
Concrete wearing surface to be poured after grouting the shear keys.
See sheet 8 of 12 for bearing pad details.

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS - 1
U.S. ROUTE 45 OVER
CAVE CREEK
F.A.S. ROUTE 960 - SECTION 38 B-1
JOHNSON COUNTY
STA. 213+64.78
STRUCTURE NO. 044-0010

REVISIONS	NAME	DATE
DESIGNER	NAME	DATE
CHECKED BY	NAME	DATE
DRAWN BY	NAME	DATE

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

Designed By: DLS Checked By: WTH Drawn By: AJP
Date: 03/2007 File: 044-0010.DGN

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