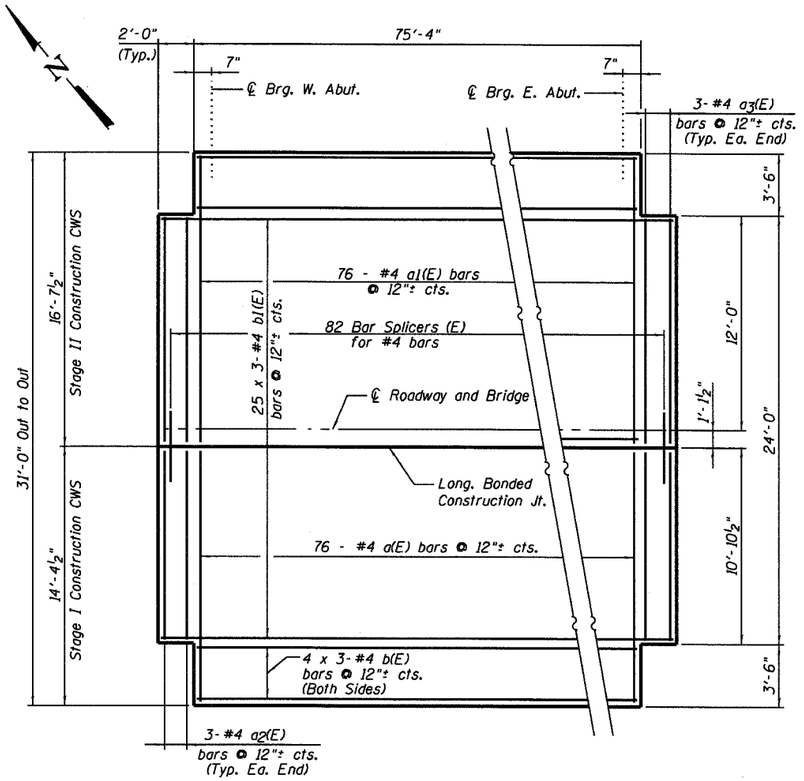
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 778	3BR-1	HARDIN	69	19
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 9
14 SHEETS

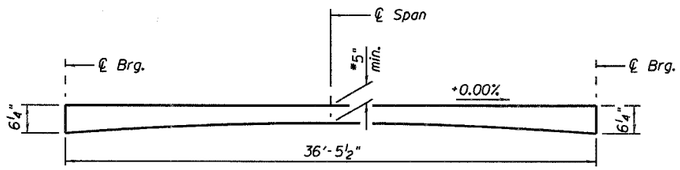
Contract #78023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



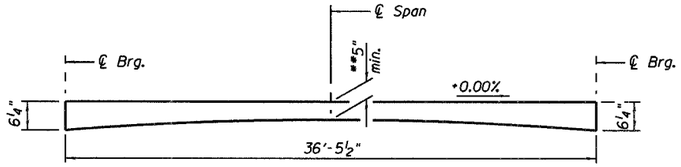
PARTIAL PLAN - CONCRETE WEARING SURFACE

Min. Bar Lap: #4 Bars - 1'-4"



CONCRETE WEARING SURFACE PROFILE - 36" BEAMS

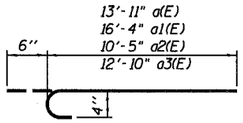
* 5⅛" Theoretical



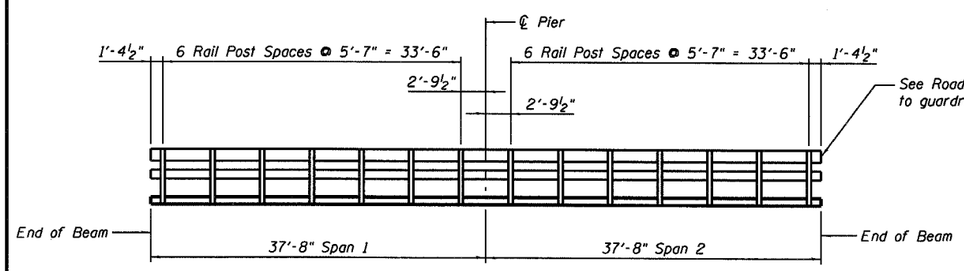
CONCRETE WEARING SURFACE PROFILE - 48" BEAM

** 5½" Theoretical

Note:
Thickness on 48" beam will vary from those shown above at profile grade to ⅜" less at stage construction line.



a(E), a1(E), a2(E), and a3(E) BARS

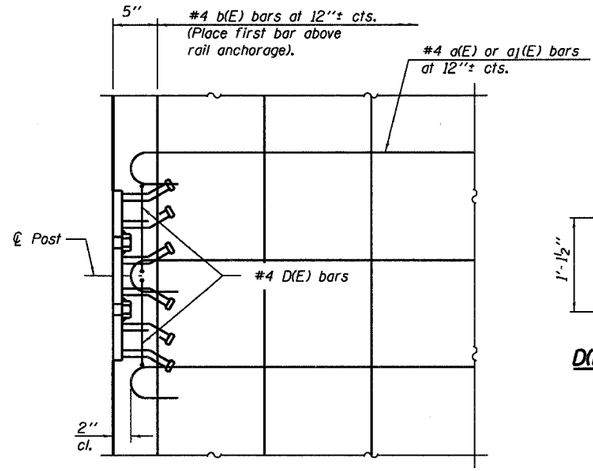


RAIL POST SPACING DETAIL

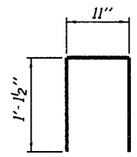
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	76	#4	14'-5"	
a1(E)	76	#4	16'-10"	
a2(E)	6	#4	10'-11"	
a3(E)	6	#4	13'-4"	
b(E)	24	#4	25'-11"	
b1(E)	75	#4	27'-3"	
Reinforcement Bars, Epoxy Coated			Pound	3,470
Concrete Wearing Surface, 5"			Sq. Yd.	271
Bridge Deck Grooving			Sq. Yd.	271
Bar Splicers			Each	82
Protective Coat			Sq. Yd.	271

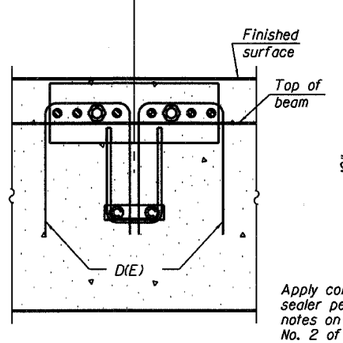
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.



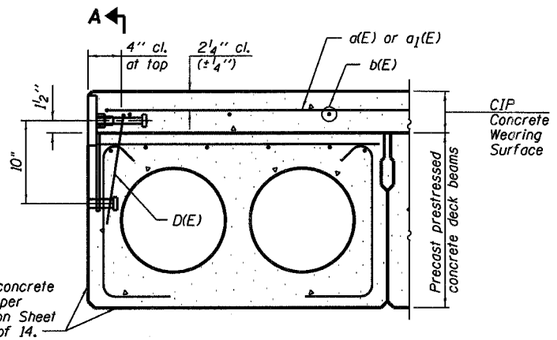
PLAN



D(E) BAR



SECTION A-A



A — FASCIA BEAM CROSS SECTION

CONCRETE WEARING SURFACE AND FASCIA BEAM MODIFICATIONS FOR RAIL ANCHORAGE

Notes:
See Sheet No. 11 of 14 for rail anchorage details.
The rail anchorage shall be cast with the beam and the wearing surface shall be cast in the field. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam. Drilling into the beam or slab will not be permitted.
Concrete wearing surface to be poured after grouting the shear keys.

MODJESKI and MASTERS
Consulting Engineers
SINCE 1893

DESIGNED	RLM
CHECKED	MEL
DRAWN	AEC
CHECKED	RLM

10/04/07

SUPERSTRUCTURE DETAILS
CONCRETE WEARING SURFACE
ILL. ROUTE 34 OVER PINHOOK CREEK
F.A.P. ROUTE 778 SECTION 3BR-1
HARDIN COUNTY
STATION 806+15.00
STRUCTURE NO. 035-0005