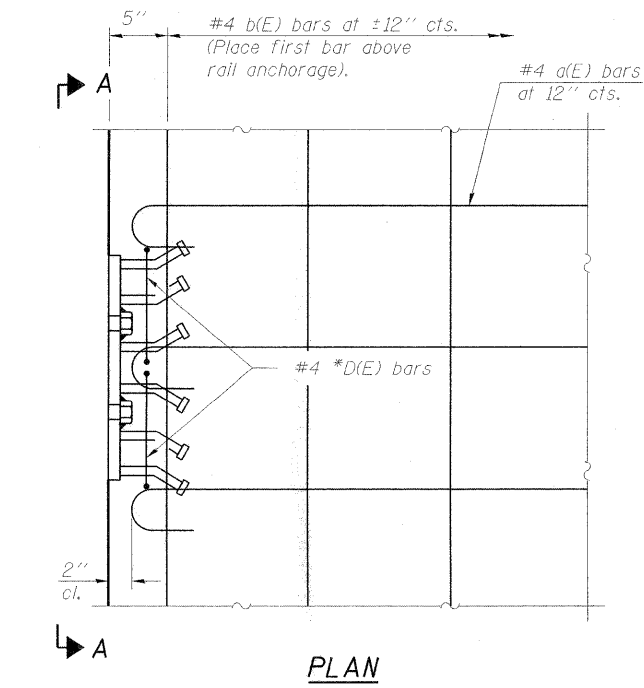
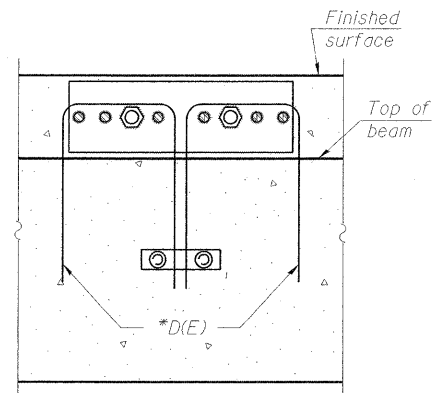


PLAN

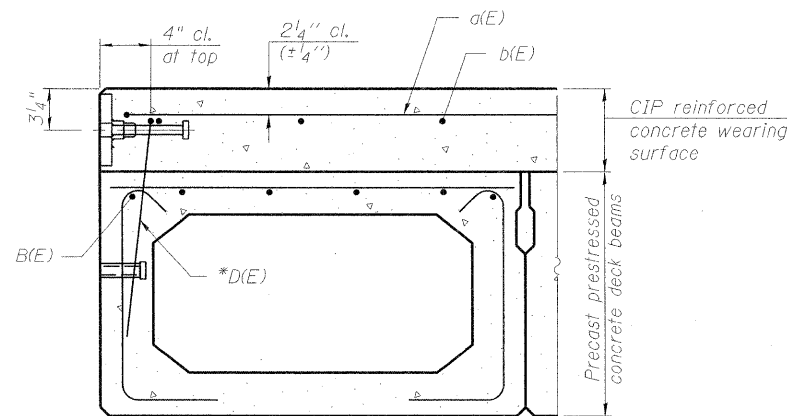


PLAN

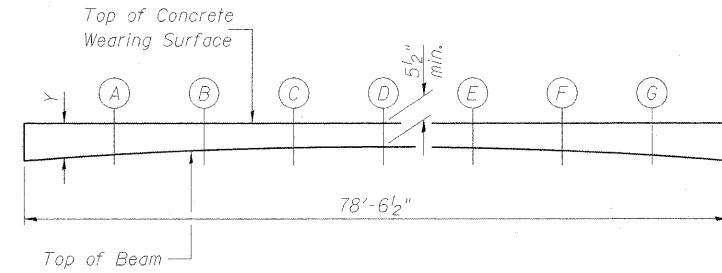
The rail anchorage shall be cast with the beam and the wearing surface shall be cast in the field. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam. Drilling into the beam will not be permitted.



SECTION A-A



SECTION B-B

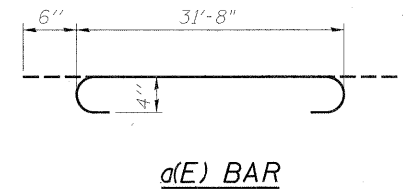
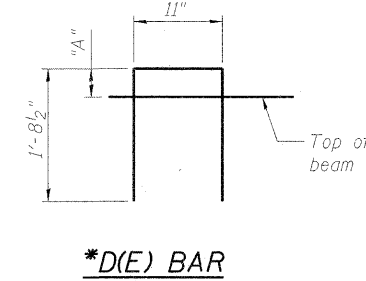


**REINFORCED CONCRETE WEARING SURFACE PROFILE**

Y = the profile grade minus the top of beam elevation. The seat elevations are based on the geometry of the structure and the expected camber of the beam. A minimum concrete wearing surface thickness of 5 1/2" is required at all locations.

Rail Post Location	Dimension "A" of D(E) bars
A & BB	8 5/8"
B & AA	7 1/4"
C & Z	6 3/8"
D & Y	5 1/8"
E & X	4 3/8"
F & W	3 3/4"
G & V	3 3/8"
H & U	3 1/8"
I & T	3 1/8"
J & S	3 1/4"
K & R	3 1/2"
L & Q	4"
M & P	4 3/4"
N & O	5 1/2"

See Sheet 3 of 11 for rail post locations.



**THEORETICAL CONCRETE WEARING SURFACE THICKNESS**

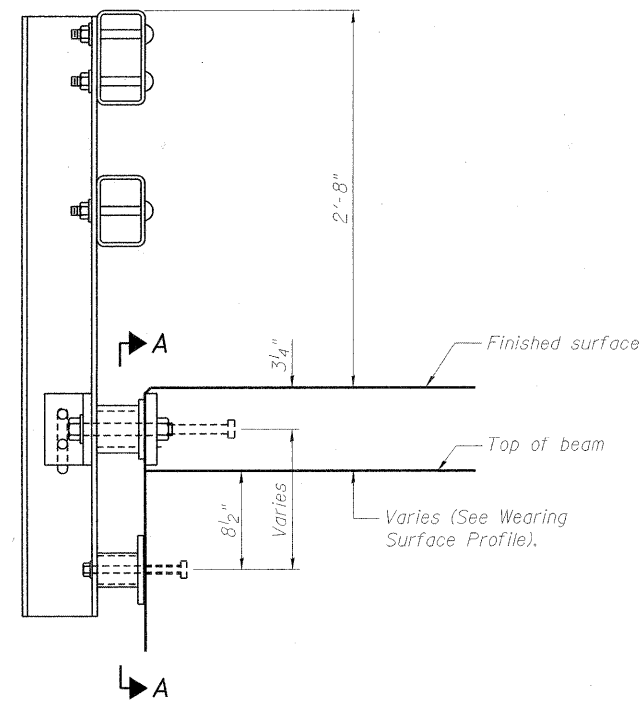
Location	Y*		
	Left Edge	Centerline	Right Edge
W. End of Beam	10 3/4"	9 1/4"	7 3/4"
A	9"	7 7/8"	6 5/8"
B	7 1/4"	6 1/2"	5 3/4"
C	6 3/8"	5 3/4"	5 1/2"
D	5 1/2"	5 1/2"	5 1/2"
E	5 1/2"	5 7/8"	6 3/8"
F	5 7/8"	6 5/8"	7 1/2"
G	6 3/8"	8 1/8"	9 1/4"
E. End of Beam	7 3/4"	9 1/4"	10 3/4"

\*Theoretical Y value provided for Contractor's use in estimating concrete volume. Actual Y may vary based on actual beam camber.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	79	#4	32'-8"	—
b(E)	96	#4	27'-0"	—
Concrete Wearing Surface		Sq. Yd.	279	
Reinforcement Bars, Epoxy Coated		Pound	3460	

\*D(E) bar included with PPC deck beam. See Sheet 4 of 11.



SECTION AT RAIL POST

**CONCRETE WEARING SURFACE**

TODD SCHOOL ROAD BRIDGE  
OVER BRANCH OF COPPERAS CREEK  
CH D56  
SEC. 08-00041-02-BR  
PEORIA COUNTY, ILLINOIS  
STATION 37+55  
STRUCTURE NO. 072-3144

05/21/09 JKR 01/14/09  
05/21/09 JKR 01/14/09  
05/21/09 JKR 01/14/09