

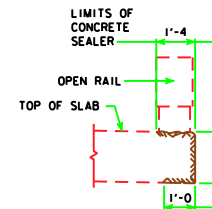
HALF SECTION NEAR ABUTMENT

HALF SECTION NEAR PIER

SLAB CROSS-SECTIONAL AREA  
FOR OPEN RAIL = 51.14 SQ. FT.

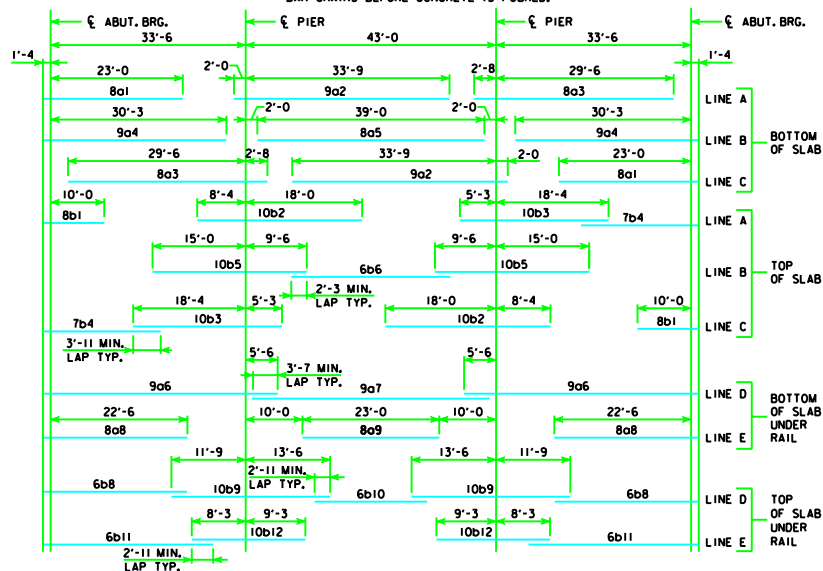
NOTE: TOP LONGITUDINAL REINFORCING  
STEEL IS TO BE PARALLEL TO AND 2 1/2"  
CLEAR BELOW TOP OF SLAB. BOTTOM  
LONGITUDINAL REINFORCING STEEL IS  
TO BE PARALLEL TO AND 1 1/2" CLEAR  
ABOVE BOTTOM OF SLAB. REINFORCING  
STEEL IS TO BE SECURELY WIRED IN PLACE  
AND ADEQUATELY SUPPORTED ON METAL  
BAR CHAIRS BEFORE CONCRETE IS POURED.

SLAB CROSS-SECTIONAL AREA  
FOR BARRIER RAIL = 51.19 SQ. FT.

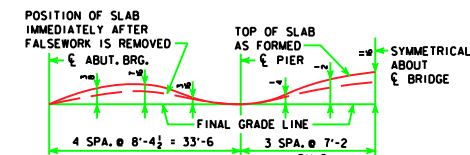


CONCRETE SEALER LIMITS  
FOR OPEN RAILS

CONCRETE SEALER SHALL BE APPLIED TO BOTH SIDES OF  
BRIDGE SLAB ON THE TOP, EDGE OF SLAB AND UNDER SLAB  
FOR FULL LENGTH OF BRIDGE TO LIMITS SHOWN IN DETAIL.  
SEALER SHALL BE APPLIED IN ACCORDANCE WITH STANDARD  
SPECIFICATION 2403.21D.



PLACEMENT FOR LONGITUDINAL REINFORCEMENT



FORM CAMBER DIAGRAM

THIS DIAGRAM SHOWS THE FORM CAMBER REQUIRED TO COMPENSATE  
FOR THE ANTICIPATED ULTIMATE DEAD LOAD DEFLECTION. THE ABOVE  
DIMENSIONS DO NOT INCLUDE ANY ALLOWANCE FOR FORM DEFLECTION  
OR FALSEWORK SETTLEMENT.

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER



Iowa Department of Transportation  
Highway Division

STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES

CONTINUOUS CONCRETE  
SLAB BRIDGES

NOVEMBER, 2006

SUPERSTRUCTURE DETAILS  
110'-0" BRIDGE

J30-10B-06

NON-EPOXY COATED REINFORCING