

GENERAL NOTES - STRUCTURES

CONSTRUCTION OF BRIDGE RAILING ON ANY STRUCTURE OVER 3 METERS IN SPAN

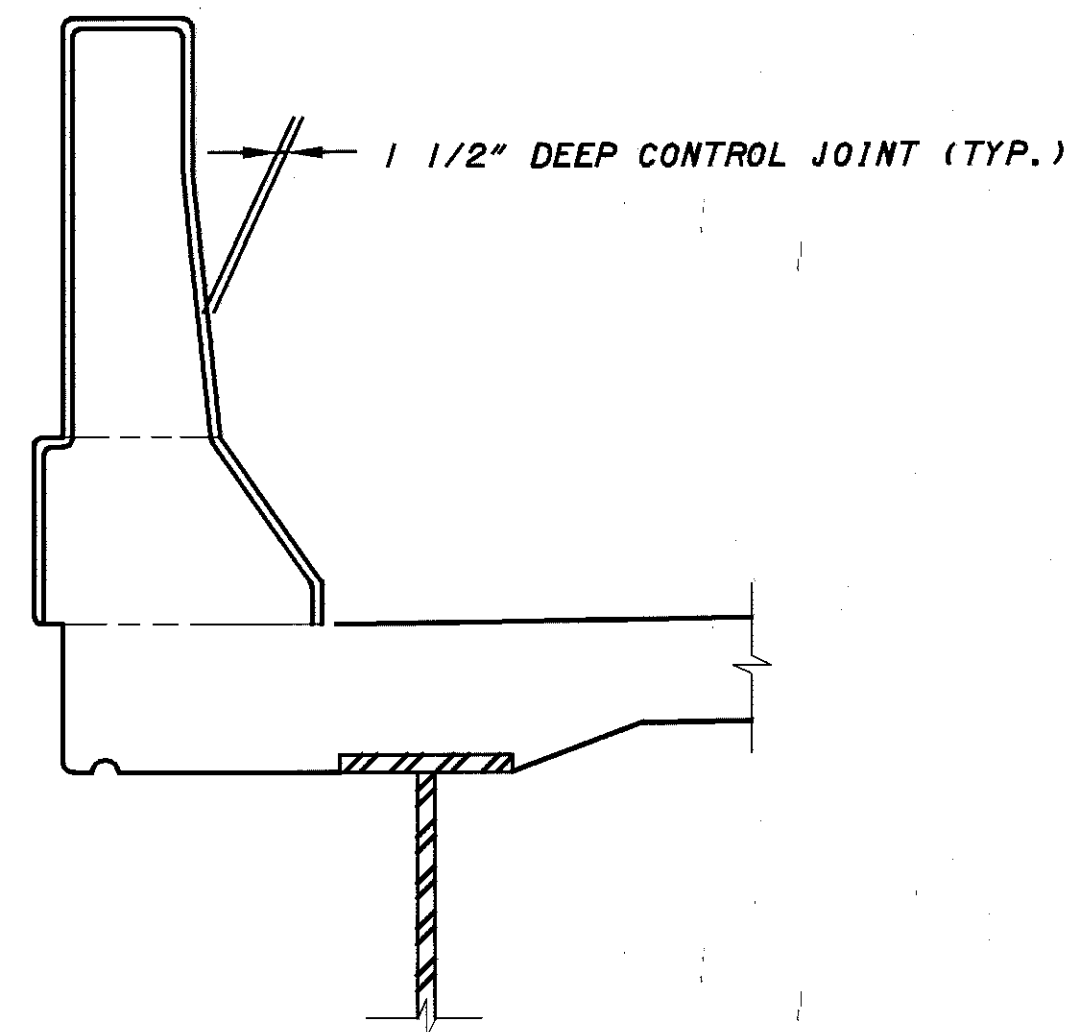
ALL CONCRETE PARAPETS SHALL NOT BE SLIP FORMED

THE MINIMUM CONCRETE SLUMP DURING PLACEMENT OF ALL CONCRETE PARAPETS SHALL BE 6 INCHES. THE MAXIMUM SLUMP ALLOWED DURING PLACEMENT IS 8 INCHES.

FORMS SHALL NOT BE REMOVED UNTIL AT LEAST 2 HOURS AFTER THE FINAL SET. DETERMINATION OF THE FINAL SET SHALL BE AS PER ASTM C266 (GILLMORE NEEDLE). TESTING SHALL BE PERFORMED BY THE CONTRACTOR AT NO COST TO THE STATE.

ANCHOR BOLTS FOR FENCE POSTS SHALL BE CAST IN PLACE.

THE CONTRACTOR SHALL CONSTRUCT 1-1/2" DEEP AND 1/4" WIDE CONTROL JOINTS SPACED AT A MINIMUM OF 6 FT AND A MAXIMUM OF 8 FT ON CENTER. THE CONTROL JOINTS SHALL BE MADE IN THE COMPLETE CIRCUMFERENCE OF THE PARAPET, STARTING AND ENDING AT THE ELEVATION OF THE TOP OF THE CONCRETE DECK. THE CONTRACTOR MAY EITHER FORM THE CONTROL JOINTS IN WITH FORM LINERS, OR, WITHIN 24 HOURS OF PLACEMENT, SAW CUT THE CONTROL JOINTS IN WITH THE USE OF AN EDGE GUIDE, FENCE, OR JIG WHICH IS REQUIRED TO ENSURE THAT THE CUT JOINT IS STRAIGHT, TRUE, AND ALIGNED ON ALL FACES OF THE PARAPET. THE ENTIRE LENGTH OF EACH CONTROL JOINT SHALL BE SEALED TO A MINIMUM DEPTH OF 1-1/2" WITH A CAULKING MATERIAL CONFORMING TO FEDERAL SPECIFICATION, TT-S-00227E.



TYPICAL CONTROL JOINT DETAIL

MECHANICAL CONNECTORS

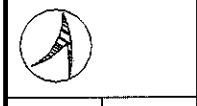
AN APPROVED TYPE OF THREADED MECHANICAL CONNECTOR FOR REINFORCING BARS SHALL BE USED. INSTALLATION OF CONNECTORS SHALL CONFORM WITH MANUFACTURER'S RECOMMENDED PROCEDURES.

CONNECTORS USED WITH EPOXY COATED BARS SHALL BE EPOXY COATED. COATING FOR BOTH CONNECTORS AND BARS SHALL CONFORM TO THE SAME SPECIFICATIONS. COATINGS WHICH HAVE BEEN DAMAGED OR WHICH OTHERWISE DO NOT MEET SPECIFICATIONS WITH RESPECT TO COLOR, CONTINUITY AND UNIFORMITY MAY BE REPAIRED AS DIRECTED BY THE ENGINEER OF THEY SHALL BE REPLACED WITH MATERIAL WHICH MEETS THE SPECIFICATIONS.

CONNECTORS SHALL CONFORM TO CMS 509 AND BE INCLUDED WITH THE APPROPRIATE ITEM 844 - HIGH PERFORMANCE CONCRETE FOR PAYMENT.

307GNS04.DGN

DESIGN AGENCY
O. D. O. I.
DISTRICT TWELVE
L&D DEPARTMENT



DATE
08/20/98
REVISED
MJM
STRUCTURE FILE NUMBER
4305019

DRAWN
JMB
REVISED

DESIGNED
BGW
CHECKED
GWM

GENERAL NOTES - STRUCTURES
BRIDGE NO. LAK-90-26.87
OVER INTERSTATE 1-90

LAKE COUNTY
LAK-90-26.87

7A/24

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