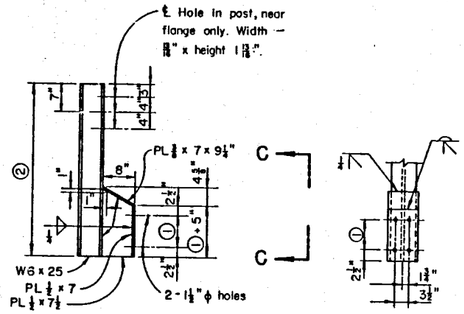


Dimension ① is 6" or 8" depending on box beam depth. See project plans and POST ANCHORAGE DETAILS, PRESTRESSED CONCRETE BOX BEAMS.

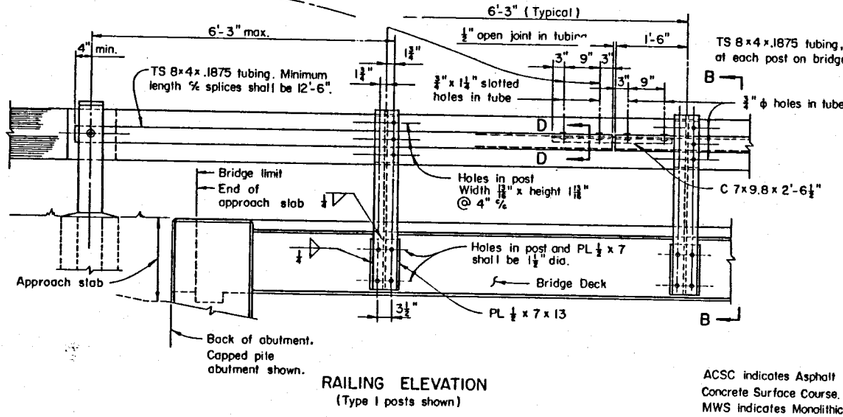
For Dimension ② see project plans.

SECTION B-B TYPE 2 POST

(For use with prestressed concrete box beams)

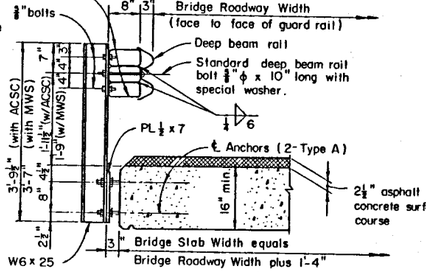
VIEW C-C

Bolts in slotted holes shall not be drawn up so tight as to prevent sliding between the tube and channel.



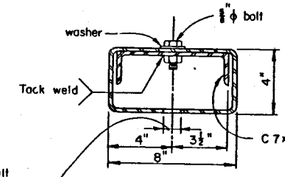
RAILING ELEVATION
(Type I posts shown)

TS 8x4x.1875 tubing, 6" long at each post on bridge



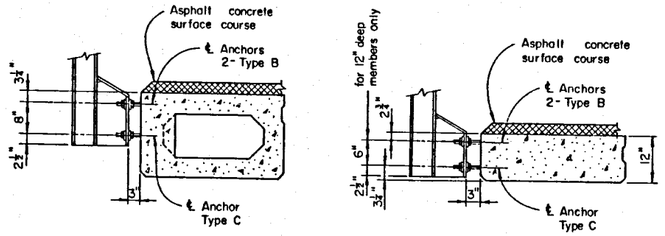
ACSC indicates Asphalt Concrete Surface Course.
MWS indicates Monolithic Wearing Surface.

SECTION B-B TYPE I POST

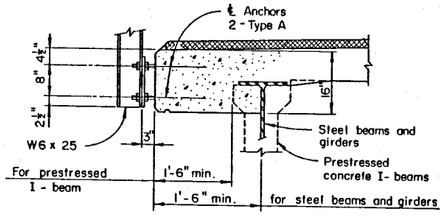


SECTION D-D

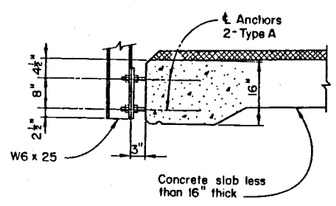
1" ϕ drain hole (only in tube at lowest point when sag vertical curves are encountered). Location to be shown on project plans.



POST ANCHORAGE DETAILS PRESTRESSED CONCRETE BOX BEAMS



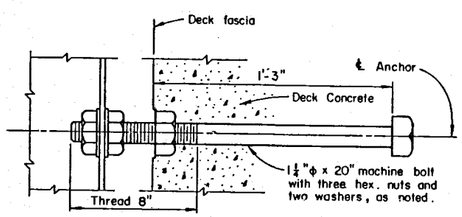
LONGITUDINAL BEAM BRIDGES



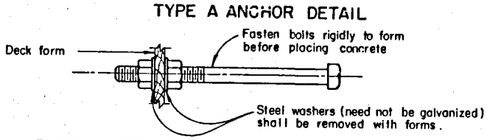
CONCRETE SLABS

POST ANCHORAGE DETAILS

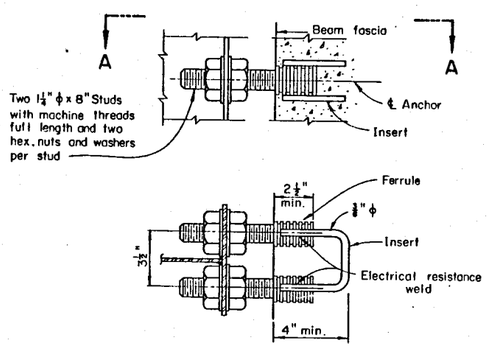
(Not for use with prestressed concrete box beams)



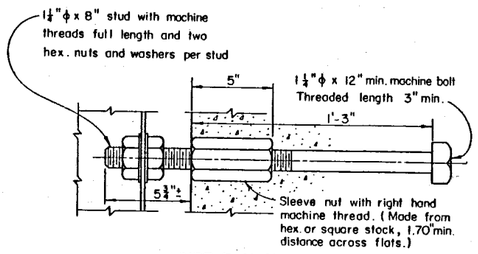
TYPE A ANCHOR DETAIL



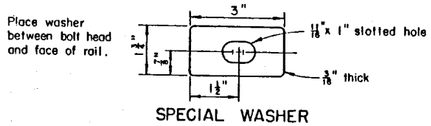
TYPE A ANCHORS SUPPORTED BY FORMS



SECTION A-A TYPE C ANCHOR DETAIL



TYPE B ANCHOR DETAIL



SPECIAL WASHER

MATERIAL: All anchor bolts, nuts and studs shall conform to the physical properties of ASTM - A325 except that the minimum elongation shall be 10%. The chemical properties are waived.

GALVANIZING: All guard rail posts, tubes, hardware and accessories shall be galvanized in accordance with ASTM A123 or ASTM A153, except as otherwise noted.

TYPE C ANCHOR INSERTS of a different type may be provided if approved by the Director.

REVISIONS

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BUREAU OF BRIDGES

STANDARD

DEEP BEAM BRIDGE GUARD RAIL WITH TUBULAR BACKUP

APPROVED: Robert B. Chipka
DATE: 4/10/73 ENGINEER OF BRIDGES

DRAWING NO. DBR-2-73

PREPARED	TRACED	CHECKED	REVIEWED
INNES	TGC	CPD	BFG FHR MFW