EMBEDDED PLATE "B-1" DETAILS
FOR AASHTO TYPE III GIRDER
(2 REQ'D PER GIRDER)

EMBEDDED PLATE "B-1" DETAILS
FOR AASHTO TYPE IV GIRDER
1600mm & 1829mm MODIFIED
BULB TEES
(2 REQ'D PER GIRDER)

NOTES

1. All pre stressing strands shall be 7-wire low relaxation grade 270 strands and shall conform to AASHTO M203 except for sampling requirements which shall be in accordance with the standard specifications.

2. Only one (1) end plate shall be provided per girder for each side of girder.

3. Anchor studs shall conform to AASHTO M169 grades 1010 through 1020 or approved equal, and shall meet the type B requirements of subsection 7.3 of the ANSI/AASHTO/AWS D1.5 Bridge Welding Code.

4. All rebar shall be grade 420.

5. Apply epoxy protective coating to end of girder surfaces indicated in elevation view.

6. Embedded plate "B-1" shall be galvanized in accordance with the specifications.

7. Bevel edges of plate "B-1" to give close fit but not tight fit to steel casting form.

8. Anchor studs shall conform to AASHTO M169 grades 1010 through 1020 or approved equal.

9. Anchor studs shall conform to AASHTO M169 grades 1010 through 1020 or approved equal.

10. All prestressing strands shall be 7-wire low relaxation grade 270 strands and shall conform to AASHTO M203 except for sampling requirements which shall be in accordance with the standard specifications.

11. All reinforcing steel shall be grade 60.

12. Apply epoxy protective coating to end of girder surfaces indicated in elevation view.

13. Embedded plate "B-1" shall be galvanized in accordance with the specifications.

14. Bevel edges of plate "B-1" to give close fit but not tight fit to steel casting form.

15. Anchor studs shall conform to AASHTO M169 grades 1010 through 1020 or approved equal, and shall meet the type B requirements of subsection 7.3 of the ANSI/AASHTO/AWS D1.5 Bridge Welding Code.

The transfer of load from the anchorage to the girder shall be done in accordance with the specifications.

When concrete is placed, the compressive strength of concrete shall be not less than 500 psi.

The top surface of the girder excluding the outside 100mm shall be raked to a depth of 6mm.

When draped strands are detailed, the longitudinal location of the hold down devices shall be within 150mm of the location shown and the center of gravity of the group of draped strands shall be located within 13mm of the theoretical location shown.

A 51mm x 51mm chamfer is allowed at the intersection of the web and the bottom flange of the 1000mm and 1229mm modified bulb tee only.

The contractor has the option to provide, at no additional cost to the department, 2 additional strands at the top of the girder to facilitate tying of the reinforcing steel. These strands shall be pulled to a load of 20 kips.

For prestressed concrete members, see special provisions.