The guardrail anchor assembly shall consist of a 1/4" hot-dip galvanized plate and 4 - 1/2" bolts with nuts and washers, adhered anchored bolts. The hold-down plate shall conform to ASTM A36 Grade. After fabrication, the hold-down plate shall be hot-dip galvanized in accordance with ASTM A 153.

Bolts shall conform to the requirements of AASHTO M270, bolts, nuts, and washers shall be hot-dip galvanized. In the contractor's option, stainless steel bolts, nuts and washers may be used as an alternate for the requirements of ASTM A270. The use of this alternate shall be approved by the Engineer.

The guardrail anchor assembly is required at all points where approach guardrail is to be attached to the end of barrier rail. For points of attachment, see sketch. After installation, the exposed threads of the bolt shall be buried with a sharp pointed tool.

The cost of the guardrail anchor assembly shall be included in the unit contract price for concrete barrier rail. The 1/4" holes shall be formed or drilled with a core bit for points of attachment. See sketch showing points of attachments. The 1/4" hole shall be hot-dip galvanized in accordance with the requirements of ASTM A153. After fabrication, the hold-down plate shall conform to AASHTO M270 Grade 36. After fabrication, the hold-down plate shall be hot-dip galvanized in accordance with ASTM A 153.

The 1/4" holes shall be formed or drilled with a core bit for points of attachment. See sketch showing points of attachments.

Guardsail anchor assembly details.

Sketch showing points of attachments.

Location of anchors for guardrail. Guardrail anchor assembly details.