**Guardrail Anchor Assembly Details**

The guardrail anchor assembly shall consist of a 3/8" hold-down plate and 7 1/2" bolts, nuts, and washers.

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 AASHTO M111.

Bolts shall conform to the requirements of ASTM A307 and nuts shall conform to the requirements of ASTM A193. Nuts and washers shall be galvanized at the contractor's option. Stainless steel bolts, nuts, and washers may be used as an alternate for the use of galvanized bolts, nuts, and washers. The use of this alternate shall be approved by the engineer.

The guardrail anchor assembly is required at all points where approach guardrail is required. After installation, the exposed thread of the bolt shall be secured with a sharp pointed tool.

**Notes for Metal Rails**

The guardrail anchor assembly shall consist of a 3/8" hold-down plate and 7 1/2" bolts, nuts, and washers.

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 AASHTO M111.

Bolts shall conform to the requirements of ASTM A307 and nuts shall conform to the requirements of ASTM A193. Nuts and washers shall be galvanized at the contractor's option. Stainless steel bolts, nuts, and washers may be used as an alternate for the use of galvanized bolts, nuts, and washers. The use of this alternate shall be approved by the engineer.

The guardrail anchor assembly is required at all points where approach guardrail is required. After installation, the exposed thread of the bolt shall be secured with a sharp pointed tool.

**Notes for Vertical Concrete Barrier Rail**

The guardrail anchor assembly shall consist of a 3/8" hold-down plate and 7 1/2" bolts, nuts, and washers.

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 AASHTO M111.

Bolts shall conform to the requirements of ASTM A307 and nuts shall conform to the requirements of ASTM A193. Nuts and washers shall be galvanized at the contractor's option. Stainless steel bolts, nuts, and washers may be used as an alternate for the use of galvanized bolts, nuts, and washers. The use of this alternate shall be approved by the engineer.

The guardrail anchor assembly is required at all points where approach guardrail is required. After installation, the exposed thread of the bolt shall be secured with a sharp pointed tool.

**Sketch Showing Points of Attachment**

*Location of Guardrail Anchor*