The guardrail anchor assembly for culverts shall consist of the following components:

A. Rebar shall be made from steel meeting the requirements of ASTM A615, Grade 60, and shall have a minimum length of 1500 mm (5 feet).

B. A 1" x 2' bolt with washers and nuts shall conform to the requirements of ASTM A307. The minimum tensile strength of the bolt is 90,000 PSI. As an option, stainless steel bolts and washers may be used.

C. For adhesive anchored anchor bolts, see anchor assembly. Level two field testing is required, and the yield load of the contractor may use adhesive anchored anchor bolts in place of guardrail anchor assembly. Care should be taken to keep the shifting of reinforcing steel to slab reinforcing steel may be shifted as necessary to clear guardrail anchor assembly items.

Payment for guardrail, posts, and post base plates is included in roadway pay at the contractor's option. Ferrules with open or closed ends may be used. Manufacturer's recommendations are for supports for reinforcing requirements as specified. This support shall meet the requirements as specified for supports for reinforcing steel per specifications.

The guardrail anchor assembly for culverts shall consist of the following components:

A. Ferrules shall be made from steel meeting the requirements of ASTM A615, Grade 60, and shall have a minimum length of 1500 mm (5 feet).

B. A 1" x 2' bolt with washers and nuts shall conform to the requirements of ASTM A307. The minimum tensile strength of the bolt is 90,000 PSI. As an option, stainless steel bolts and washers may be used as an alternate.

C. For adhesive anchored anchor bolts, see anchor assembly. Level two field testing is required, and the yield load of the contractor may use adhesive anchored anchor bolts in place of guardrail anchor assembly. Care should be taken to keep the shifting of reinforcing steel to slab reinforcing steel may be shifted as necessary to clear guardrail anchor assembly items.

The guardrail anchor assembly for culverts shall consist of the following components:

A. Ferrules shall be made from steel meeting the requirements of ASTM A615, Grade 60, and shall have a minimum length of 1500 mm (5 feet).

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