The purpose of this Standard Drawing is to provide typical standard details.

The fitness for purpose of these details for a specific project shall be designed and certified by an RPE.

The details specific to the project location shall be shown on the project specific drawings.

**NOTES:**

1. **SCOPE:** This Standard Drawing provides details of cast-in anchor assembly for use with the three beam terminal connector for when connecting three beam to concrete barriers in accordance with HRTS-01.

2. **STEELWORK:** shall be fabricated to the requirements of MRTS01.

   - Bolted and transverse Grade 300 to AISI/AFS 369.1.
   - Bolts Class 4.6 to AS 1711.1, welds for Class 4.6 bolts to AS 1237.
   - All bolts shall be hot dip galvanized to AS 1291.
   - All other steels shall be hot dip galvanized to AS/NZS 4400.
   - Prior to galvanizing, all weld spatter and welding slag is to be removed.

3. **REINFORCING STEEL:** shall be in accordance with Standard Drawing 1045, to MRTS01 and AS/NZS 4671.

   - Round Bar: Grade R520N.

   - All reinforcing steel shall be A36S certified.

4. **WELDING:** Symbols to AS 1161.3.

   - All welding to AS/NZS 1554.1.

   - All welds, except location tack welds, shall be SF category.

   - Tack welding for location purposes to AS/NZS 1554.1.

   - Welding consumables to be controlled hydro type G30X to AS/NZS ISO 1464-2 or E330 to AS/NZS ISO 1462-2.

5. **REFERENCES:** are in millimeters.

**REFERENCE DOCUMENTS:**

- Departmental Standard Drawings:
  - 1045 Reinforcing Steel - Standard Bar Shapes
  - 1470 Single Slab Concrete Barrier - Transition between Median Barrier and Three Beam Guardrail
  - 1471 Steel Beam Guardrail - Installation on Bridge and Barrier Approaches
  - 1480 Steel Beam Guardrail - Fabrication Details for Three Beam Rail and Rail Components
  - 1490 Single Slab Guardrail - Barrier Anchor Terminal (1 or 2 Slabs)
  - 1499 Single Slab Guardrail - Concrete Terminal with Three Beam Guardrail Connection General Details

- Departmental Specifications:
  - MRTS01 Road Furniture
  - MRTS07 Reinforcing Steel
  - MRTS08 Fabrication of Structural Steel

**Department of Transport and Main Roads**

**CONCRETE BARRIERS**

**CAST-IN ANCHOR ASSEMBLY FOR THREE BEAM TERMINAL CONNECTOR**

**Standard Drawing No:** 1467

**Engine:** 3776

**Scale:** 1:50