

1500 METALLIC MATERIALS**1501 REINFORCEMENT BARS**

These are Central Lab, Concrete & Metals Lab tests.

Markings are reported, the weight per meter is calculated, and a tensile test is run to determine the percent elongation, yield and ultimate strength in accordance with AASHTO T 244.

Coating thickness is determined for Epoxy coated re-bars & dowel bars in accordance with AASHTO M 284.

1502 WIRE MESH

These are Central Lab, Concrete & Metals Lab tests.

Wire spacing, diameter, percent reduction in area and tensile strength are determined for plain wire mesh. For deformed wire mesh the weight per meter is calculated rather than the wire diameter. The deformation dimensions are also determined. Tests are performed in accordance with AASHTO M 55 and M 221.

1503 GRAY IRON CASTINGS

These are Central Lab, Concrete & Metals Lab tests.

Tensile tests are performed on samples prepared by the foundry in accordance with AASHTO M 105.

1505 CUTTING EDGES

These are Central Lab, Concrete & Metals Lab tests.

Hardness (Rockwell or Brinell), punching, dimensions and weight per meter are determined in accordance with Maintenance Section's specifications.

1506**FASTENERS**

These are Central Lab, Concrete & Metals Lab tests.

Tests are performed to determine tensile strength, hardness and coating thickness. Dimensions are also measured on all fasteners. Testing is done in accordance with ASTM A 370.

1507**STEEL POSTS**

These are Central Lab, Concrete & Metals Lab tests.

Punching, coating thickness, dimensions and weight per meter are checked and a tensile test is performed in accordance with ASTM A 370.

1508**GUARDRAIL FITTINGS**

These are Central Lab, Concrete & Metals Lab tests performed in accordance with AASHTO M 30.

Dimensions and coating thickness are checked. Tensile tests are performed when appropriate.

1509**CHAIN LINK FENCE FABRIC**

These are Central Lab, Concrete & Metals Lab tests performed in accordance with AASHTO M 181.

Dimensions and coating thickness are checked. Tensile tests are performed when appropriate.

1510**PLOW BOLTS**

These are Central Lab, Concrete & Metals Lab tests performed in accordance with ASTM A 354.

Dimensions, hardness and tensile tests are performed.