

METHODS OF SAMPLING AND TESTING
MT 611-04
A GUIDE TO LABORATORY FORMS
(Montana Form Nos.)

1 Scope

- 1.1 This is a guide for the selection of the proper laboratory form when submitting samples, inspection reports, or certifications to the Materials Bureau.

2 General

- 2.1 The following listing is given in two parts. Part I is used when submitting materials for testing. Part II tells which forms to use when submitting inspection reports or certifications for various types of materials. Each of these parts is further broken down into different classes of material (aggregate, asphalt, steel, etc.). Following each individual item is the number of the laboratory form to be used.

PART I
FORMS TO ACCOMPANY SAMPLES

Soil and Aggregates

Bedding Material – MBA 123
 Blending Sand – MBA 123
 Blotter Material – MBA 123
 Binder – MBA 123
 Borrow – MBA 123
 Concrete Aggregate – MBA 124A
 Crushed Base Course – MBA 123
 Crushed Cover Aggregate – MBA 123
 Crushed Top Surfacing – MBA 123
 Cushion – MBA 123
 Filter Material – MBA 123
 Mineral Filler – MBA 123
 Plant Mix Base Course – MBA 123
 Plant Mix Surfacing – MBA 123
 Proposed Surfacing – MBA 123
 Proposed Concrete – MBA 124A
 Sand Surfacing – MBA 123
 Selected Surfacing – MBA 123
 Soil and Water for Corrosion – 45
 Soil for "R" Value – MBA 123
 Topsoil – MBA 123

Asphalt

All asphaltic materials will be submitted on the following laboratory forms;
 QA projects – CB-57
 Non QA projects and maintenance – 101-C

Bituminous Mixtures

Plant Mix Material for Extraction – 45
 Plant Mix Material for Monitoring – 45
 Plant Mix Pavement – 45

Steel Products

Reinforcing Bars – 45
 Pre-stress Strand – 45
 Wire Mesh – 45
 Steel Pipe – 45

Miscellaneous Materials

Bark – MBA 123
 Canvas Shims – 45
 Cement – 55
 Conduit – 45
 Delineators – 45
 Electrical Wire – 45
 Expansion Joint Filler – 45
 Fencing Items – 45
 Glass Beads – 45
 Mulch – 45
 Paint – 45
 Peat Moss – 45
 Plastic Pipe – 45
 Protective Coating – 45
 Riprap – 45
 Seed – 45
 Signing Material – 45
 U-posts – 45
 Wood Cores – 45
 Wood Preservatives – 45
 Wood Products – 45

Concrete Samples

Concrete Cores – 45
 Concrete Cylinders – 93
 Concrete Cylinders (AR) – 77
 Concrete Flexural Beams – 93

PART II
FORMS FOR INSPECTION AND CERTIFICATION

Certifications

Contractor's Certification of Compliance: Non-Structural Steel & Iron Items – Form 406
Contractor's Certification of Compliance: Miscellaneous Items – Form 407

All certifications of materials should be accompanied by Lab. Form No. 46

Inspection Reports

Corrugated Metal Pipe Culvert and Misc. Culvert Items – 102

Field Nuclear Density Tests – MBF 1000A

Pre-cast Concrete Items (Culverts, Barrier Rail, etc.) – 19A

Pre-stress Beam Inspection Report – 48

Pre-stress Beam Pre-tensioning Record – BR-12

Steel and Misc. Structural Materials

- 1) Fabrication Inspection – MB-2
- 2) Field Inspection – MBF 46

Welding Inspection

- 1) Pre-fabrication Welding – WI-1
- 2) Fabrication Welding – WI-2
- 3) Final Welding – WI-3
- 4) Miscellaneous Welding – WI-4

Wood Products – 45