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