

## **Note 1**

### **Sampling and Testing Small Quantities of Non-critical Materials**

Certain exceptions to the normal sampling and testing procedures may be made where quantities of non-critical items or materials are too small to justify the cost of testing or inspection. These exceptions in sampling and testing are intended for small quantities of materials whose positions on the project are not structurally critical. Such procedures are not to be permitted in materials for major structures, permanent mainline or ramp pavements, or other structurally critical items where use of unsound materials might significantly influence the performance, strength or durability of that item, or the public safety.

By notification of Materials & Research and documenting the waiver of Sampling/Testing in AWP, the project manager may waive their respective sampling and testing requirements where quantities of non-critical items or materials are too small to justify the cost of testing or inspection. When this method is used, records must be recorded on the affected line item, consistent with materials acceptance documentation of the department.

The following tabulation indicates the approximate maximum quantities of material, excepting Portland cement concrete and asphaltic concrete that may be accepted under the methods indicated above:

- a. Aggregates (for Portland cement concrete and asphaltic concrete quality testing of aggregate is required) – Not to exceed approximately 200 cubic yards per day nor more than approximately 500 cubic yards per project. Rock riprap and Gabion stone fill shall not exceed 1,000 tons per project.
- b. Bituminous Mixtures (cold mix) – Not to exceed approximately 50 tons per day nor more than approximately 250 tons per project.
- c. Asphaltic Oils and Emulsified Asphalts – Not to exceed approximately 1,500 gallons of each type per project.
- d. Paint – Not to exceed approximately five gallons of each type per project. Brand name paints of the color specified and the weights and analysis on the container label should be the basis for acceptance.
- e. Dimensional Lumber (2x4, 1x6, etc.) – Recognized commercial grades only may be used.
- f. Masonry Items – Not to exceed approximately 100 pieces of each item. Acceptance should be based on physical measurements for nominal size and visual inspection. Masonry items may include but are not exclusive to bricks, concrete blocks, etc.

Portland cement concrete for the items and approximate quantities listed below may be accepted by entering a sample in AWP and selecting the 'Small Quantities of Non-critical Materials' test method:

- a. Mix designs are not required for small quantities of non-critical items.
- b. Sidewalks – not to exceed 200 cubic yards per day
- c. Median Surfacing – not to exceed 200 cubic yards per day
- d. Concrete Base Course – not to exceed 200 cubic yards per day
- e. Concrete Base Course Widening – not to exceed 200 cubic yards per day
- f. Curb and Gutter – not to exceed approximately 500 linear feet per project, or 50 cubic yards per day, for more than two consecutive days
- g. Slope Paving and Headers – not to exceed 50 cubic yards
- h. Paved Ditch (intermittent water flow)
- i. Single Culvert Headwalls and Collars

- j. Catch Basins, Manhole Bases and Inlets
- k. Concrete Ditch Checks
- l. Post Hole Concrete (Fence and Guardrail)
- m. Miscellaneous Concrete – Concrete placements of five cubic yards or less and which are non-critical. Non-critical refers to placements that will not be subject to traffic loading and for which failure is not likely to disrupt traffic or pose a threat of harm to the traveling public.

Acceptance under this system shall be based on the following:

- a. Delivery tickets shall accompany each load.
- b. The concrete plant must comply with the specifications.
- c. Only state tested and approved aggregates, cements and admixtures may be used.
- d. Project personnel will perform necessary testing on any material they feel may be of inferior quality.
- e. The project manager will determine that the concrete for these items is from a known reliable source and fulfills the requirements for the purpose intended.

The above system is intended to provide a method whereby the project manager may be relieved of sampling and testing small quantities of material which, in his judgment, are placed in such a location within the project that the absence of sampling and testing does not materially affect the principle of sound engineering control. This program includes, but is not exclusive to, the items in the list above. Many other miscellaneous minor items (e.g., 3 or 4 posts, a few bolts, washers, nuts, a few pieces of pipe, short pieces of wire, a few pieces of reinforcing steel, a few feet of fencing material, etc.) will be within the definition of the above but cannot all be listed inasmuch as location on the project will determine the need to sample and test.

A word of caution: this system should not be used as a means of reducing sampling and testing of materials by adjusting daily delivery of quantities, nor to allow the contractor to provide non-specification materials. It is intended that all materials shall comply with specification requirements but that this compliance is determined by experience and judgment and that the project manager shall retain absolute control over the determination of items to be accepted without the usual engineering controls.

**Note 30**  
**Buy America Certification**

The required Buy America (BA) certification must indicate the materials used to fabricate the contract material or product complies with federal requirements and was produced domestically. Domestic means within the United States, the District of Colombia, or in the territories and possessions of the United States. The certification must include:

- Identifying information such as contract ID, control number, project number and/or project name
  - Identifying information is not required for materials submitted for pre-approval (products noted on the NDOT approved products list, lots, batches, bundles, etc)
- Clear and unique product identification (name of product with lot number, heat number, reel number, etc.)
- The statement
  - Products or materials specified in this certification are permanently consumed in, incorporated into, or affixed to the project and meet the applicable Build America, Buy America requirements detailed in the Infrastructure Investment and Jobs Act as well as the 23 CFR-635.410 Buy America requirements for steel and iron products
- A signature by the manufacturer's authorized representative and the representative's title