

006 CONTROL OF MATERIALS.
(REV 2-24-03) (FA 3-4-03) (7-03)

SUBARTICLE 6-3.2 (Page 50) is expanded by the following new Subarticle:

6-3.2.1 Notification of Quality Assurance Inspection Arrangements for Fabrication of Critical Items: Submit to the Engineer a fabrication schedule for all items requiring commercial inspection, before or at the pre-construction meeting. These items include, but is not limited to steel bridge components, overhead cantilevered sign supports with cantilevered arms exceeding 45 feet [14 m], moveable bridge components or any other item identified as an item requiring commercial inspection in the Contract Documents.

ARTICLE 6-5 (Pages 52 and 53) is expanded as follows:

6-5.12 Materials Accepted Based on Manufacturer's Certification: The Engineer will accept certain manufactured products for use on Department Contracts upon receipt of a satisfactory certification stating that the product meets the acceptance criteria requirements of the Department's specifications. Manufactured products whose acceptance is based on a manufacturer's certification are so identified in the appropriate Division III Sections of these Specifications. The Engineer reserves the right to sample these materials in accordance with the provisions of this Section.

Manufacturers may obtain the sample certification forms through the Department's web site. The URL for obtaining the certification forms is www11.myflorida.com/statematerialsoffice/administration/publications/certifications/sampleforms.htm

It is the sole responsibility of the Contractor to obtain, verify completeness and submit the certification to the Engineer before incorporating such manufactured products into the project.

ARTICLE 6-7 (Page 54) is deleted and the following substituted:

6-7 Defective Materials.

The Department will consider the following materials as defective: all materials not meeting the requirements of these Specifications; segregated materials, even though previously tested and approved; materials that are or have been improperly stored; and materials that are mixed with an excess of clay, coal, sticks, burlap, hay, straw, loam or earth, or other debris. The Engineer will reject all such materials, whether in place or not. Remove all rejected material immediately from the site of the work and from storage areas, at no expense to the Department. Do not use rejected material, the defects of which have been subsequently corrected, until the Engineer has approved the material's use. Upon failure to comply promptly with any order of the Engineer made under the provisions of this Article, the Engineer will remove and replace defective material and deduct the cost of removal and replacement from any moneys due or to become due the Contractor.

As an exception to the above, the Contractor may submit, upon approval of the Engineer, an engineering and/or laboratory analysis to evaluate the effect of defective in place materials. Any such analysis shall be performed by a Specialty Engineer. The Engineer will determine the final disposition of the material after review of the information submitted by the Contractor. No additional monetary compensation or time extension will be granted for the impact of any such analysis or review.

The Engineer will consider any haul unit load of mineral aggregates received for a Department project as defective without an individual certification as required by 6-3.3.

SECTION 6 (Pages 49-54) is expanded by the addition of the following new Articles:

6-8 Quality Control Program.

Meet the requirements of the Department approved Quality Control Program for the production and construction of asphalt, portland cement concrete (structural), earthwork, cementitious materials, timber, prestressed concrete products, and drainage products. Also include transportation, storage, placement and other related construction operations required by the Contract.

When accreditation or certification is required, make available to the Department upon request, supporting documents from the two previous inspections.

Obtain Department approval prior to beginning production. Meet and maintain the qualification requirements at all times. Production and construction of these products without the Department's prior approval of a Quality Control Program may result in rejection of the products. Continued Department approval will be subject to satisfactory results from periodic evaluations, including Independent Assurance program. In case of non-compliance with the approved Quality Control Program, identify all affected material and do not incorporate or supply to the Department projects.

6-8.1 Material Producers.

6-8.1.1 Producers of Asphalt Mixes, Portland Cement Concrete (Structural), Earthwork, Cementitious Materials, Timber, and Precast Drainage Products: Have an approved Quality Control Program, developed in accordance with the guidelines specified in 105-3, during production of materials to be used on Department projects. In addition to 105-3, the producers of Portland cement concrete will meet the requirements Chapter 9.2, Concrete production Facility Guidelines, of the Department's Materials Manual.

6-8.1.2 Prestressed Concrete Plants: Ensure that prestressed concrete plants participating in the Department's Acceptance Program are qualified. Obtaining qualification will require a current PCI certification and an approved Quality Control Plan, developed in accordance with the guidelines specified in 105-3.

6-8.1.3 Quality Control Program Approval Process. Producers of cementitious materials, metal and plastic pipes, and aggregates must submit their proposed Quality Control Program to the State Materials Office for approval.

Producers of asphalt mixes, portland cement concrete (structural), earthwork, prestressed concrete products, timber, and precast drainage products must submit their proposed Quality Control Program to the local District Materials Office for approval.

The Department will respond to the producer within 21 calendar days of receipt of the proposed program. The Department may perform evaluation to verify compliance with submitted documents prior to approval.

If the Quality Control Program must be revised for any reason, including non-compliance, submit the revision to the Department. The Department will respond to the producer within 7 calendar days of receipt of the revised program.

6-8.2 Contractor's Quality Control Program. Have an approved Quality Control Program meeting the requirements of Section 105 for the transportation, storage, placement, and other related construction operations required by the Contract.

6-9 Laboratory Qualification Program.

Testing Laboratories participating in the Department's Acceptance Program must be qualified under one of the following and have current Department approval during testing of Department products:

- a. Current AASHTO (AAP) accreditation.
- b. Inspected on a regular basis per ASTM D 3740 for earthwork, ASTM D 3666 for asphalt and ASTM C 1077 for concrete for test methods used in the Acceptance Program, with all deficiencies corrected, and under the supervision of a Specialty Engineer.
- c. Construction Materials Engineering Council (CMEC) program and other independent inspection programs acceptable to the Engineer and equivalent to a or b above.

Obtain Department approval prior to beginning testing. The application is available from the Department's website:

www11.myflorida.com/statematerialsoffice/Administration/Publications/publications.htm

Meet and maintain the qualification requirements at all times. Testing without the Department's prior approval may result in rejection of the test results. Continued Department approval will be subject to satisfactory results from periodic evaluations, including Independent Assurance program. In case of disapproval, resolve the issues to the Department's satisfaction and obtain approval prior to further testing.

It is prohibited as a conflict of interest for a non-Department laboratory to perform Contractor Quality Control testing and other Acceptance Program testing on the same Contract.