

Section 1106. Control of Materials

1106.01 SOURCE OF SUPPLY AND QUALITY REQUIREMENTS.

- A.** Materials used in work shall meet all quality requirements of the contract. In order to expedite inspection and testing of materials, the Contractor shall notify the Contracting Authority in writing of the proposed sources of materials promptly after being awarded the contract. Any material shall be produced with a reasonably uniform quality and within requirements specified; the producer shall perform quality control tests and evaluations the producer believes necessary to control the product adequately. All materials for use in the project are subject to inspection and tests at any time prior to being incorporated into the work.
- B.** For the convenience of the Contractor and when convenient to the Contracting Authority, materials may be inspected at the site of production. Materials tested and found in compliance at the site of production may be later inspected for reasonable conformance and will be rejected for obvious mistakes, contamination, quality change, or mishandling. To avoid later rejection, materials which usually show an extreme change in character or quality prior to or during the process of incorporation into the work should be produced to more rigid limits than those required by the specifications. At the option of the Engineer, approval of the source, or approval of materials at the source prior to delivery, may be required. If it is found after examination that sources of supply for previously approved materials do not produce specified products or when conditions are such that use of unfit materials can not be prevented except by extraordinary inspection methods, the Contractor shall furnish materials from other sources. Before delivery, and at any time during the process of preparation and use, materials shall be subject to the approval of the Engineer.
- C.** Materials which are not previously inspected will be inspected at the project site. Acceptance at this time will be based on sampling and testing, producer's certifications, visual inspection, or any combination of these at the discretion of the Engineer.
- D.** Use of materials on the basis of the producer's certification, quality control tests, and evaluations may be permitted or required. Contractor and supplier laboratories performing testing for all projects on Interstate and Primary routes shall be qualified laboratories in accordance with Materials I.M. 208. The Engineer may require specific data obtained by qualified persons and procedures be provided with the material when delivered. Certified gradation testing by a certified aggregate technician will be required for all aggregates to be furnished by the Contractor, and this shall be done in accordance with Materials I.M. 209 and 213. This requirement shall apply to aggregate furnished in accordance with Article 1106.05 only when gradation of that aggregate is a contract requirement.

1106.02 SAMPLES AND TESTS.

- A.** Each consignment of material shall be tested or inspected before being incorporated into the project and shall be approved by the Engineer in charge of the contract before it is used. The Contractor shall afford such facilities for collecting and forwarding samples as the Engineer may require.
- B.** When not designated in the standard or supplemental specifications or Materials I.M.s, the inspection, sampling, testing, and basis of acceptance of materials shall be in accordance with the current AASHTO "Standard Specifications for Transportation Materials and Methods of Sampling and Testing," including published interim standards.

1106.03 STORAGE OF MATERIALS.

The Contractor shall be responsible for care and storage of materials delivered to the project site or purchased for use. Material that has been delivered to the project site and has become damaged or contaminated before actual incorporation in the work may be rejected by the Engineer even though it may have been previously acceptable. Stored materials shall be so located as to facilitate thorough inspections.

1106.04 UNACCEPTABLE MATERIALS.

All materials not conforming to requirements of the specifications at the time they are to be used shall be considered unacceptable, and these materials will be rejected and shall be removed immediately from the work site unless otherwise instructed by the Engineer. Rejected material shall not be used until the defects have been corrected and approval has been given.

1106.05 AGGREGATE FURNISHED BY COUNTY.

On some Secondary asphalt concrete paving or base construction projects, part or all of the aggregates may be furnished by the County in the pit, stockpile, or on the road, as stated in the contract documents. When the proposal states that the County will furnish the aggregate, the material will be furnished in the designated pit, stockpile, or on the road without cost to the Contractor, unless otherwise stated.

A. Aggregate Furnished by County in Pit.

1. When aggregate is furnished by the County in a pit, the Contractor will be required to do all work necessary, including stripping, pumping, processing, and hauling, to produce pit run material or material of the quality specified. The operation in any county owned or county controlled pit will be under the general direction of the County Engineer. All gravel aggregate produced for base construction or produced from wet pits for any part of the construction shall be stockpiled for a period of not less than 24 hours before being used in the project.
2. In the operation of the pits, the Contractor will be required to conduct the work in such a manner that a uniform product is obtained. This may require working full faces, partial faces, and/or simultaneous operations from different locations in the pit, as directed by the Engineer. All oversize aggregate less than 8 inches (200 mm) in diameter shall be crushed to pass the 3/4 inch (19 mm) sieve.

B. Aggregate Furnished by County in Stockpile.

When aggregate is furnished in a stockpile or stockpiles at stated locations, the Contractor will not be responsible for quality of the aggregate unless designated, but the Contractor will be required to mix, blend, haul, compact the material, and do all other work necessary to incorporate this material into the project.

C. Aggregate Furnished by County on Road.

When aggregate is furnished on the road, the material will be deposited by dumping the required amount onto the road. The Contractor will not be responsible for quality of the aggregate unless designated, but the Contractor will be required to windrow, equalize, mix, blend, wet, compact the material, and do all other work necessary to incorporate this material into the project.

D. Filler.

When it is possible to predetermine, with a reasonable degree of accuracy, that the aggregate specified for use and furnished will require the addition of filler or another aggregate to produce a workable and satisfactory mixture, the contract documents will identify the filler or other aggregate and will include an estimate of the quantity and a basis of payment.