203 Roadway Excavation and Embankment

Specifications:

203.02, 203.06, and 203.07 (C&MS).

Sampling and Inspection Requirements:

Compaction and moisture control tests shall be performed according to Supplement 1015, Section 203 of the Construction Inspection Manual of Procedures (MOP), and the Office of Geotechnical Engineering. The compaction and moisture control tests are to be taken at sufficient intervals; usually one test per 2000 cubic yard of material.

Poor foundation or subgrade conditions shall be handled according to Sections 204 of the MOP for Construction Inspection.

Samples of embankment material to determine type and gradation should be taken if, in the opinion of the Engineer, they are needed. When submitting samples, provide the required documentation and indicate for what reason the material should be tested. Use forms shown in the S 1015 section of the MOP (including CA-EW-1 thru 7). Forms with the Ohio Typical D curves are available through the Construction Administration’s website (Click here).

Granular Embankment Type (A, B, C, D and F):

Refer to the Certified Aggregate Report on the CMRS Portal (Click here) to determine the status of the granular material type (A-F) for the source to be used. (Field) Use material with a material status of CERT (Certified Stock). The use of Non-Certified Stock material (A-F) is not allowed. Contact the Central Office (OMM Aggregate Section) if you cannot find the source of (A-F) on the Certified Aggregate Report.

Granular Embankment:

A 50 lb. (23 kg) sample shall be tested at the source by the District Laboratory for gradation. The Office of Geotechnical Engineering Operations Section shall test for moisture density per AASHTO T-99. A moisture density curve is required for granular materials.

Soil Embankment:

A 50 lb. (23 kg) sample should be taken when questionable conditions exist, as determined by tests and characteristics found in Sections 203.06, 203.07, Supplement 1015, and the MOP. Samples shall be submitted to the Office of Geotechnical Engineering Operations Section.

3. Methods of Tests:

Granular gradation and moisture density as per AASHTO T-99

District Laboratory: Supplement 1015