

I have not seen any comments other than from Larry Jones. I agree with his comments and please incorporate. I don't know what else you need to do administratively, but I am done with this spec.

Thanks.

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Lawrence Jones
11/18/2002 02:52 PM

To: Duane F Brautigam/CO/FDOT@FDOT
cc: Sastry Putcha/CO/FDOT@FDOT, David Horhota/SM/FDOT@FDOT
Subject: Proposed Spec Change - D1200008 - Excavation and

Embankment -
Dry Fill Method

Please accept the following revisions to the Proposed Spec Change - D1200008 - Excavation and Embankment - Dry Fill Method for the following reasons.

The terms "A-3" and "A-2-4" are not designated in Index 505. However, the terms "select", "plastic", "high plastic", etc. are designated in Index 505.

Although, the term "minus 200" is a commonly used slang expression. The correct description to be used in a legal document should be "percentage passing the #200 US Standard sieve".

EXCAVATION AND EMBANKMENT. (REV 10-31-02)

SUBARTICLE 120-8.2 (of the Supplemental Specifications) is deleted and the following substituted:

120-8.2 Dry Fill Method:

120-8.2.1 General: ~~Except as provided below for material placed on unstable ground and for materials used for flattening slopes, construct embankments in successive layers of not more than 6 inches [150 mm] compacted thickness, for the full width of the embankment. Construct embankments to meet compaction requirements in article 120-9 and in accordance with the acceptance program requirements in article 120-10. Restrict the compacted thickness of the last embankment lift to 6 inches maximum.~~

120-8.2.1.1 For A-3 and A-2-4 Materials ~~(As Designated in Design Standard Index 505)~~ with up to 15% fines: Construct the embankment in successive layers with lifts up to a maximum compacted thickness of 12 inches (300 mm). The percentage of fines (percentage passing the #200 US Standard sieve ~~minus 200~~) in the A-2-4 material shall not exceed 15%.

120-8.2.1.2 For A-1, ~~and~~ Plastic materials (As designated in Design Standard Index 505) and A-2-4 Materials with greater than 15% fines: Construct the embankment in successive layers with lifts up to a maximum compacted thickness of 6 inches (150mm).

Alternately, for A-1, ~~and~~ Plastic material and A-2-4 Materials with greater than 15% fines, construct embankments using thick lift construction in successive layers of not more than 12 inches [300 mm] compacted thickness, after having demonstrated with a successful test section, the

possession and control of compacting equipment sufficient to achieve density required by 120-10.2 for the full depth of a thicker lift, and if the Engineer approves the compaction effort. Notify the Engineer prior to beginning construction of a test section. Construct a test section of the length of one *full* LOT. Perform five QC tests at random locations within the test section. All five *QC* tests ~~and a Department Verification test~~ must meet the density required by 120-10.2 ~~and be verified by the Engineer~~. Identify the test section with the compaction effort and soil classification in the Density Log Book. In case of a change in compaction effort or soil classification, failing QC test or when the QC tests cannot be verified, construct a new test section. The Contractor may elect to place material in 6 inches [150 mm] compacted thickness at any time. Construct all layers approximately parallel to the centerline profile of the road.

The Engineer reserves the right to terminate the Contractor's use of thick lift construction. Whenever the Engineer determines that the Contractor is not achieving satisfactory results, revert to the 6 inch [150 mm] compacted lifts.

As far as practicable, distribute traffic over the work during the construction of embankments so as to cover the maximum area of the surface of each layer.

Construct embankment in the dry whenever normal dewatering equipment and methods can accomplish the needed dewatering.

120-8.2.1.43 Equipment and Methods: Provide normal dewatering equipment including, but not limited to, surface pumps, sump pumps and trenching/digging machinery. Provide normal dewatering methods including, but not limited to, constructing shallow surface drainage trenches/ditches, using sand blankets, sumps and siphons.

When normal dewatering does not adequately remove the water, the Engineer may require the embankment material to be placed in the water or in low swampy ground in accordance with 120-9.2.3.

IHW,
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