

ORIGINATION FORM

Date: **9/05/2013**

Originator: **Juan Castellanos**

Contact Information: **Juan Castellanos 850-414-4276**

Specification Title: **Excavation and Embankment**

Specification Section, Article, or Subarticle Number: **120-8.1, 120-8.2.4, 120-10.2**

Why does the existing language need to be changed? **To clarify the definition of LOT for shoulders, to define and make it clear what is the Standard Minimum Slope and to clarify that material placed adjacent to embankments supporting structures must meet density acceptance criteria.**

Summary of the changes: **In sub-article 120-8.1, define LOT for shoulders. In sub-article 120-8.2.4 define Standard Minimum Slope. ~~In sub-article 120-10.2 indicate that the exceptions for QC density requirement do not apply to embankment placed in front and above embankments that support structures.~~**

Are these changes applicable to all Department jobs? **Yes**

If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? **No**

If yes, what is the estimated change in costs?

With who have you discussed these changes? **State Materials Office**

What other offices will be impacted by these changes? **Materials**

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? **No**

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? **No**

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: September 24, 2013
TO: Specification Review Distribution List
FROM: Daniel Scheer, P.E., State Specifications Engineer
SUBJECT: Proposed Specification: **1200801 Excavation and Embankment.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Juan Castellanos of the State Construction Office to define and clarify LOT as related to shoulders; define and clarify the terminology “standard minimum slope”; and, to clarify density acceptance criteria.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **October 23, 2013**, may not be considered. Your input is encouraged.

DS/dt
Attachment

EXCAVATION AND EMBANKMENT.

(REV 9-619-13)

SUBARTICLE 120-8.1 is deleted and the following substituted:

120-8.1 General: Construct embankments in sections of not less than 300 feet in length or for the full length of the embankment. Perform work in accordance with an approved Quality Control Plan meeting the requirements of 105-3.

For construction of mainline pavement lanes, turn lanes, ramps, parking lots, concrete box culverts and retaining wall systems, a LOT is defined as a single lift of finished embankment not to exceed 500 feet.

For construction of shoulder-only areas, bike/shared use paths, and sidewalks areas, a LOT is defined as *a single lift of finished embankment not to exceed 2,000 feet or one Day's Production, whichever is greater.*

Isolated compaction operations will be considered as separate LOTS. For multiple phase construction, a LOT shall not extend beyond the limits of the phase.

SUBARTICLE 120-8.2.4 is deleted and the following substituted:

120-8.2.4 Placing Outside Standard Minimum Slope: *The standard minimum slope is defined as the plane described by a two (horizontal) to one (vertical) slope downward from the roadway shoulder line or the back of curb as applicable.* Where material that is unsuitable for normal embankment construction is to be used in the embankment outside the standard minimum slope (~~approximately one to two~~), place such material in layers of not more than 18 inches in thickness, measured loose. The Contractor may also place material which is suitable for normal embankment, outside such standard minimum slope, in 18 inch layers. Maintain a constant thickness for suitable material placed within and outside the standard minimum slope, unless placing in a separate operation.

SUBARTICLE 120-10.2 is deleted and the following substituted:

120-10.2 Acceptance Criteria: Obtain a minimum ~~Quality Control (QC)~~ density of 100% of the standard Proctor maximum density as determined by AASHTO T-99, Method C, with the following exceptions: 1) embankment constructed by the hydraulic method as specified in 120-8.3; 2) material placed outside the standard minimum slope as specified in 120-8.2.4 *except when a structure is supported on existing embankment*; and 3) other areas specifically excluded herein.

~~—————These exceptions do not include embankment material placed in front of and above existing embankments that support structures.~~