

## ORIGINATION FORM

**THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR**

Modify Specification \_\_\_\_\_355\_\_\_\_\_.  
Section/File number

New Section \_\_\_\_\_.  
Section number

**Subject:** Pavement Evaluation and Remedial Action

**Origination date:** November 3, 2006

**Originator:** Tom Malerk  
**Office/Phone:** State Materials Office / 352-955-6620  
**Email address/** [tom.makerk@dot.state.fl.us](mailto:tom.makerk@dot.state.fl.us)  
**Userid:** rt820tm

**Problem statement:** Section 355 is modified to reflect new requirements for defining Quality Control sections.

**Information source:** Michael Bergin, State Materials Office (352) 955-6666

**Background data:** The proposed changes will delete the use of the word "LOT" in association with the sampling and testing.

**Recommended Usage Note:** All contracts let after July 2007

**Estimated fiscal impact, if implemented:** None

**Implementation of these changes, if and when approved, will begin with the July 2007 letting.**



# Florida Department of Transportation

JEB BUSH  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

DENVER J. STUTLER, JR.  
SECRETARY

## MEMORANDUM

**DATE:** November 20, 2006

**TO:** Specification Review Distribution List

**FROM:** Duane F. Brautigam, P.E., State Specifications Engineer

**SUBJECT:** Proposed Specifications Change: 3550400-Pavement Evaluation and Remedial Action

In accordance with Specification Development Procedures, we are sending you a copy of a proposed new specification change for Pavement Evaluation and Remedial Action.

This change was proposed by Tom Malerk of the State Materials Office to delete the use of the word "LOT" in association with the sampling and testing.

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 SP965DB or duane.brautigam@dot.state.fl.us. Comments received after December 18, 2006 may not be considered. Your input is encouraged.

DFB/sh

Attachment

COMMENTS:

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Submitted by:

Phone #:

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**PAVEMENT EVALUATION AND REMEDIAL ACTION.  
(REV 11-20-06)**

ARTICLE 355-4 (Pages 354-356) is deleted and the following substituted:

**355-4 Pavement Evaluation and Remedial Action.**

**355-4.1 General:** The Department’s Pavement Condition Survey Program and observation by the Engineer will be used as the basis for determining the extent and the magnitude of the pavement distresses occurring on the project. For evaluation purposes, the project will be subdivided into ~~LOTS~~ *sections* of 0.1 mile per lane. The Department may conduct a ~~LOT by LOT~~ *section by section* Pavement Condition Survey of the value added pavement at intermediate times throughout the warranty period. The final survey, if determined by the Engineer to be necessary, will be conducted no later than 45 calendar days before the end of the warranty period. All surveys conducted by the Department will be at no cost to the Contractor.

The results of the survey, intermediate or final, will be made available to the Contractor within 15 calendar days after completion of the survey.

If the survey findings, intermediate or final, are to be disputed by the Contractor, written notification must be provided to the Engineer within 30 calendar days of the date of receipt of the survey.

During the warranty period, the Contractor may monitor the pavement using nondestructive procedures. Do not conduct any coring, milling or other destructive procedures without prior approval by the Engineer.

**355-4.2 Distress Indicators:** The Department will use Rideability, Spalling and Cracking, as distress indicators in accordance with the Rigid Pavement Condition Survey Handbook to evaluate the Concrete Pavement.

**355-4.3 Threshold Values and Remedial Work:** Threshold values and associated remedial work for the Concrete Pavement are specified in Table 355-1.

TABLE 355-1 Condition Survey		
DEFICIENCY TYPE	THRESHOLD LEVEL	REMEDIAL ACTION
Rideability	Ride Number < 3.70	Grind all deficient <del>LOT(s)</del> <i>sections</i> in accordance with Section 352.
Spalling in the wheel path	Four areas in any Lane Mile exceeding 1 inch in width and exceeding 6 inches in length OR any single area exceeding 3 inches in width.	Full depth slab replacement for a minimum of 6 feet in length and the full width of the slab in accordance with Section 353.
Spalling outside the wheel path	Four areas in any Lane Mile exceeding 1 1/2 inches in width and 12 inches in length OR any single area exceeding 3 inches in width and 12 inches in length.	Full depth slab replacement for a minimum of 6 feet in length and the full width of the slab in accordance with Section 353.

TABLE 355-1 Condition Survey		
DEFICIENCY TYPE	THRESHOLD LEVEL	REMEDIAL ACTION
Cracking	Four Cracks in any Lane Mile with width exceeding 1/8 inch OR any Crack exceeding 3/16 inch.	Full depth slab replacement for a minimum of 6 feet in length and the full width of the slab in accordance with Section 353.
Shattered Slab		Full slab replacement in accordance with Section 353.

If a measured distress value indicates remedial action is required per Table 355-1, begin remedial work within 45 calendar days of notification by the Department or a ruling of the Statewide Disputes Review Board. The Statewide Disputes Review Board will determine the allowable duration for the completion of the remedial work, but not to exceed 6 months. However, after each survey, if the Department determines the extent and magnitude of pavement distresses in any areas will not affect the traffic safety, strength of pavement structure or highway esthetics, the Engineer, at his sole option, may defer the remedial work associated with the pavement distresses.

If remedial action is necessary and forensic information is required, it is the responsibility of the Contractor to determine the source of the distress. The Contractor will not be responsible for damages to the pavement as a result of any forensic activities conducted at the discretion of the Engineer.

The Contractor has the first option to perform all remedial work, as determined by the Department. If, in the opinion of the Engineer, the problem poses an immediate danger to the traveling public and the Contractor cannot begin remedial work within 72 hours of written notification, the Engineer has the authority to have the remedial work performed by other forces. The Contractor is responsible for all incurred costs of such work performed by other forces. Remedial work performed by other forces does not alter any of the requirements, responsibilities or obligations of the Contractor.

Complete all remedial work to the satisfaction of the Engineer. Any disputes regarding the adequacy of the remedial work will be resolved by the Statewide Disputes Review Board. Approval of remedial work does not relieve the Contractor from continuing responsibility under the provisions of this Specification.

Notify the Engineer in writing prior to beginning any remedial work. Meet the requirements of the Department's Standard Specifications for Road and Bridge Construction when performing any remedial work. Perform all signing and traffic control in accordance with the current edition of the Department's Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System. Provide Maintenance of Traffic during remedial work at no additional cost to the Department. Lane closure restrictions listed in the original contract will apply to remedial work. Written request(s) to obtain permission for lane closure(s) for either forensic investigation or remedial work must be made to the Engineer 48 hours in advance of any lane closures. Do not perform any lane closures until written permission is given by the Engineer.

Perform all remedial work at no cost to the Department. If remedial work necessitates a corrective action to the pavement markings, adjacent lane(s), or roadway

3550400  
All Jobs

shoulders, perform these corrective actions using similar products at no additional cost to the Department.