



# Florida Department of Transportation

JEB BUSH  
GOVERNOR

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Tallahassee, Florida 32399-0450

THOMAS F. BARRY, JR.  
SECRETARY

October 24, 2002

**THIS MEMO HAS EXPIRED**

## MEMORANDUM NO. 24-02

**TO:** DISTRICT CONSTRUCTION ENGINEERS

**FROM:** Ananth Prasad, State Construction Engineer *Ananth Prasad*

**COPIES:** District Materials Engineers, Bill Albaugh, Tom Malerk, Gale Page, David Wang, ACA, FTBA, Asphalt Institute, Greg Schiess (FHWA)

**SUBJECT:** Ground Tire Rubber (GTR) for Use in Asphalt Rubber Binder

For contracts let in the month of July 2002 and thereafter, Section 919-3 of the Standard Specifications has been changed. Different sieve sizes and requirements for gradations are specified in Table 919-1 for GTR Types A, B, and C. The specification is based on FHWA Guidelines and appears to be more reasonable and representative of actual product manufacturing conditions.

In order to minimize confusion for manufacturers of GTR and suppliers of Asphalt Rubber Binder trying to determine which version of the specification governs on a particular project and trying to produce product under different specifications, please process a \$ 0.00 specification changes on contract let prior to the month of July 2002.

Sub-article 919-3 (of the Supplemental Specification) is deleted and the following substituted:

### **919-3 Physical Requirements.**

*The physical properties of the ground tire rubber shall be determined in accordance with FM 5-559, and shall meet the following requirements:*

*Specific Gravity..... 1.10 ± 0.06*  
*Moisture Content ..... Maximum 0.75%*  
*Metal Contaminants..... Maximum 0.01%*  
*Gradation - The gradation shall meet the limits shown in Table 919-1 for the type of rubber specified.*

<i>Table 919-1 Gradations of Ground Tire Rubber</i>			
<i>Sieve Size % Passing</i>	<i>Type A</i>	<i>Type B</i>	<i>Type C</i>
<i>No. 16 [1.18 mm]</i>	---	---	100
<i>No. 30 [600 <math>\mu</math>m]</i>	---	100	70-100
<i>No. 50 [300 <math>\mu</math>m]</i>	100	40-60	20-40
<i>No. 100 [150 <math>\mu</math>m]</i>	50-80	---	---

As a reminder, GTR is a QPL item and the manufacturer is required to supply a certification with each shipment.

The application of the new specification requirements to all projects should not present a problem since these new specification requirements for Section 919-3 are not as restrictive as the previous version. The GTR Manufacturers and Asphalt Rubber Binder suppliers were informed of this anticipated course of action on May 31, 2002.

**This memo serves as a blanket approval to process a specification change and should be attached to the Field Supplemental Agreement/Work Order or the Supplemental Agreement.**

If you have any questions, please contact David Wang at (850) 414-4152 or Gale Page at (352) 337-3208.

AP/ww