

420-03-21

October 1, 2003

Frictional Quality of Aggregate
Using Skid Resistance Levels (SRL)

All District Executives

For Amar C. Bhajandas, P.E., Director Tucker Ferguson /s/
Bureau of Construction & Materials

The information in the attached document provides the process map for re-evaluating skid-resistance-level (SRL) rating of aggregates using the ribbed tire skid procedure. The purpose of this process map is to explain the procedures and assist in the preparation of the necessary documents required to request re-evaluation of aggregates from an existing Bulletin #14 aggregate source.

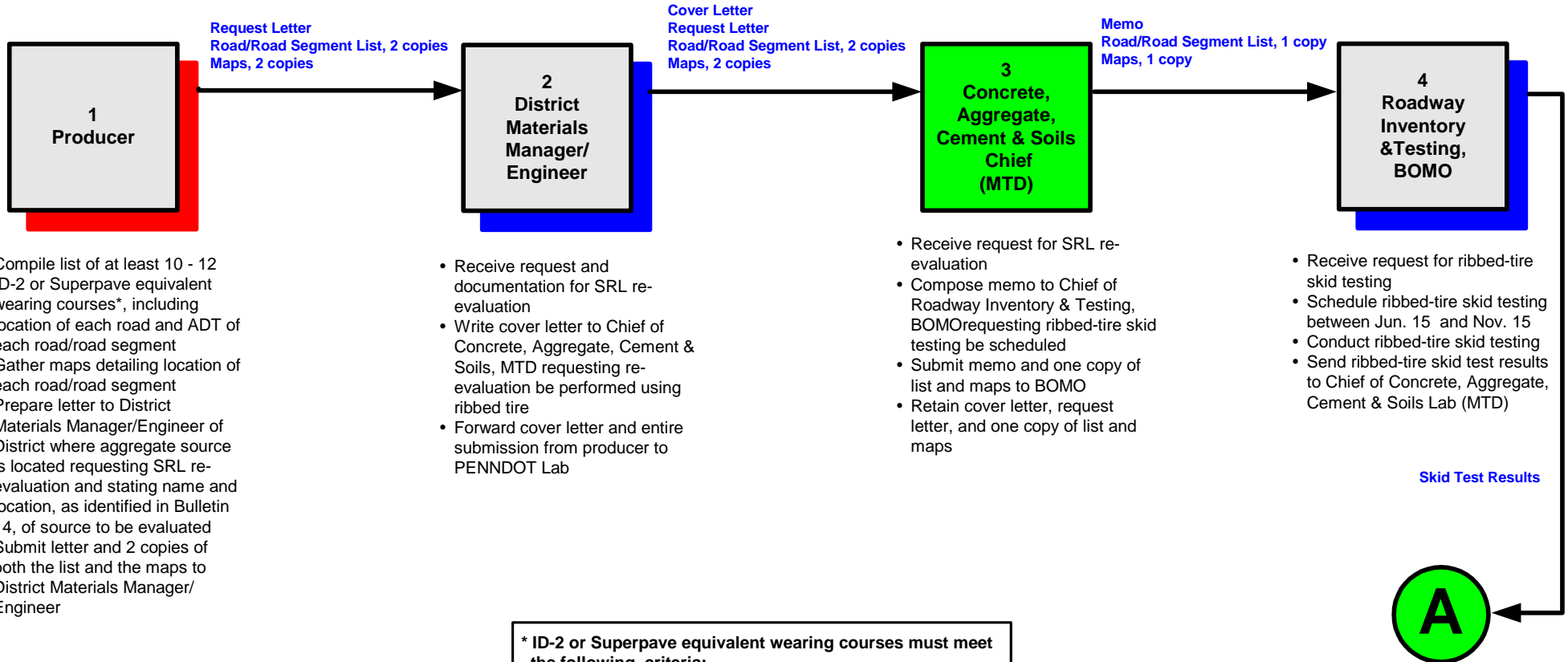
If you have any questions, please contact William J. Miller, P.E. Material and Testing Division, Laboratory Testing Section at 717-783-8417.

Attachment

421/WJM/kmk

cc: Gary L. Hoffman, P.E.
Dean A. Schreiber, P.E.
Eric Madden, Policy Director
James D. Sells, PACA
Ronald J. Cominsky, P.E., PAPA
Highway Administration Bureau Directors
Assistant District Executives – Construction
BOCM Division Chiefs
District Materials Engineers
William J. Miller, P.E.
Paul M. Ingram, P.E.
Margo C. Thomson, P.G.

Re-evaluating SRL Ratings Using Ribbed Tire Skid Data Process



- Compile list of at least 10 - 12 ID-2 or Superpave equivalent wearing courses*, including location of each road and ADT of each road/road segment
- Gather maps detailing location of each road/road segment
- Prepare letter to District Materials Manager/Engineer of District where aggregate source is located requesting SRL re-evaluation and stating name and location, as identified in Bulletin 14, of source to be evaluated
- Submit letter and 2 copies of both the list and the maps to District Materials Manager/Engineer

- Receive request and documentation for SRL re-evaluation
- Write cover letter to Chief of Concrete, Aggregate, Cement & Soils, MTD requesting re-evaluation be performed using ribbed tire
- Forward cover letter and entire submission from producer to PENNDOT Lab

- Receive request for SRL re-evaluation
- Compose memo to Chief of Roadway Inventory & Testing, BOMO requesting ribbed-tire skid testing be scheduled
- Submit memo and one copy of list and maps to BOMO
- Retain cover letter, request letter, and one copy of list and maps

- Receive request for ribbed-tire skid testing
- Schedule ribbed-tire skid testing between Jun. 15 and Nov. 15
- Conduct ribbed-tire skid testing
- Send ribbed-tire skid test results to Chief of Concrete, Aggregate, Cement & Soils Lab (MTD)

*** ID-2 or Superpave equivalent wearing courses must meet the following criteria:**

- under traffic for at least one year
- at least 1/4 mile long
- coarse aggregate must be 100% from source for which producer wants SRL rating re-evaluated
- ADT of entire wearing course must be known**

**** If ADT is unknown, a consultant engineering service must be hired to measure the ADT.**



Re-evaluating SRL Ratings Using Ribbed Tire Skid Data Process

