



## MEMORANDUM

<b>GENERAL SUBJECT:</b> Materials Information Tracking System (MITS) / Producer Laboratory Analysis and Information Details (PLAID) Updates to Chapter VIII of the Manual of Instructions	<b>NUMBER:</b> MD 377-14
<b>SPECIFIC SUBJECT:</b> Revisions regarding TL-127 Form in Sections 803.62, 803.63, and 803.64, for use in the MITS/PLAID database	<b>DATE:</b> July 7, 2014
<b>DIRECTED TO:</b> District Materials Engineers	<b>SIGNATURE:</b>  <b>Charles A. Babish, PE</b> <i>Signature on original copy of memorandum</i>

*This Memorandum notifies the users of the Materials Division Manual of Instructions that Sections 803.62, 803.63, and 803.64 have been revised due to implementation of the Asphalt Concrete Mixture /Central Mix Aggregate web based Materials Information Tracking System (MITS) using a newly developed electronic TL-127 form. Specifically, Section 803.62 provides the updated information to submit a job mix formula through PLAID and Section 803.63 and 803.64 provide details to approve a job mix formula for Central Mix aggregates and Asphalt Concrete mixtures, respectively. Revised sections are shown below.*

## **Sec. 803.62 Form TL-127, Statement of Asphalt Concrete or Central-Mix Aggregate Job Mix Formula**

~~Producers of Central Mix Aggregate shall submit to the District Materials Engineer (DME) a proposed mix, Form TL-127, using columns B, before production begins and there after in time to be approved by January 1 each subsequent year. Asphalt Concrete Producers shall submit to the District Materials Engineer a proposed mix design, Part A of Form TL-127, prior to initial production for both new mixes as well as mixes with Part B approval from the previous year. Part B 'Production JMF' and corresponding material percentages will be filled out by the DME upon receipt of the additional requirements of the producer within the first three lots under Section 502.01(b). The Producer will be notified of Part A and B approvals on the same Form TL-127. Part C 'End of Year Average' will be filled out by the DME based on the requirements of 502.01(c). Small changes in quantities for gradation adjustment, etc. are not considered sufficient reason for a new mix design. A separate design must be submitted for any significant changes made. A mix design must be submitted for each type and size material to be furnished.~~

~~Each approved design must be assigned, a design number by the District Materials Engineer. The assigned design number will be of the form 'Assigned Plant ID Two Digit Year Two Digit Sequence of Approval.' Thus, the first mixture approved for the 2005 construction season for a plant with Plant ID '4999' would carry a mix design number of 4999-05-01. These numbers are to be assigned and placed on the mix design form with Part A approval. Distribution shall be as outlined in Section 801.02, except that 2 copies will be prepared and distributed by the District Materials Engineer, as follows: one copy shall be retained by the District Materials Engineer and one copy shall be sent to the State Materials Engineer. For additional details see Section 502.01 for the requirements of the approval steps, Parts A, B and C for Asphalt Concrete. (See specimen form in Section 805.)~~

*The Producer shall submit a job-mix formula for each mixture for the Engineer's approval through the "Producer Lab Analysis and Information Detail" (PLAID) website <https://plaid.vdot.virginia.gov> prior to starting work.*

## **Sec. 803.63 Form TL-127A, Central-Mix Aggregate Job Mix Formula Form**

~~Form TL-127A is completed by the District Materials Section from Form TL-127. It has one (1) record (A) at the top of the sheet. Here is indicated what codes and data are to be shown on the remainder of the form in reference to record A (e.g. A-Plant ID, Job Mix ID, size, type material, % passing, Liquid Limit, B-aggregate. type, aggregate. source, aggregate. %). With the exception of the Job Mix ID, the record (A) is self explanatory, and you need only enter the codes and/or test data. Under the Job Mix ID, start with the number one (1) as YY01 and continue in numerical order for the current year (e.g., 9001, 9002, 9003.) This form need only be submitted at or just prior to the beginning of the year and at any time a job mix is to be revised. (See specimen form in Section 805.)~~

*Form TL-127, which is available on the "Producer Lab Analysis and Information Details" (PLAID) website <https://plaid.vdot.virginia.gov>, shall be used by the producer to submit to the District Materials Engineer (DME) a proposed mix using column B, before production begins and there-after in time to be approved by January 1 each subsequent year. Once submitted, the TL127 shall be reviewed by the DME through the "Materials Information Tracking System" (MITS) website <https://mits.virginiadot.org> and approved (or rejected) upon completion of review.*

*Supporting documentation of the design is required for CBR 30 material (i.e. CBR test report). Each approved design must be assigned a design number by the DME. The assigned design number will be of the form 'Four Digit Plant ID-Four Digit Year-Two Digit Sequence of Approval (or Two Digit Mix Code assigned by District)' (i.e. 4999-2014-01). The 'Four Digit Plant ID' is further defined as 1<sup>st</sup> single digit representing the VDOT district number followed by a three digit producer location number. The four digit year reflects the year of design. Job Mix numbers will be assigned at initial design and will remain in effect until a new mix design is submitted.*

*Small changes in quantities for gradation adjustment, etc. are not considered sufficient reason for a new mix design. A separate design must be submitted for any significant changes made. A mix design must be submitted for each type and size material to be furnished.*

### **Sec. 803.64 Form TL-127B, Asphalt Concrete Job Mix Formula Form**

~~Form TL-127B is completed by the District Materials Section from Form TL-127. It has two (2) records (A & B) at the top of the sheet. Here is indicated what codes and data are to be shown on the remainder of the form in reference to records A & B (e.g. A-Plant type, Mix type, % passing, asphalt content; B-aggregate. type, aggregate source, aggregate. %). With the exception of the Job mix ID, the records (A & B) are self explanatory, and you need only enter the codes and/or test data. Under the Job Mix ID, start with the number one (1) as YY01 and continue in numerical order for the current year (e. g. 9001, 9002, 9003). This form is to be submitted when a job mix is revised. (See specimen form in Section 805).~~

*Form TL-127, which is available on the "Producer Lab Analysis and Information Details" (PLAID) website <https://plaid.vdot.virginia.gov>, shall be used by the producer to submit to the District Materials Engineer (DME) a proposed mix design, at least one week before production is set to begin. Once submitted, the TL127 shall be reviewed by the DME through the "Materials Information Tracking System" (MITS) website <https://mits.virginiadot.org> and approved (or rejected) upon completion of review. Supporting documentation shall be submitted by the producer to the District in paper form. Each approved design must be assigned a design number by the DME. The assigned design number will be of the form 'Four Digit Plant ID-Four Digit Year-Two Digit Sequence of Approval (or Two Digit Mix Code assigned by District)' (i.e. 4999-2014-01).*

*Small changes in quantities for gradation adjustment, etc. are not considered sufficient reason for a new mix design. A separate design must be submitted for any significant changes made. A mix design must be submitted for each type and size material to be furnished.*

cc: Commissioner  
Chief Engineer  
Deputy Chief Engineer  
Division Administrators  
Residency Administrators  
District Materials Engineers  
District Construction Engineers  
District Maintenance Engineers  
Area Construction Engineers  
Virginia Asphalt Association  
Virginia Center for Transportation Innovation and Research  
Virginia Ready-Mixed Concrete Association  
Precast Concrete Association of Virginia  
Virginia Transportation Construction Alliance  
Virginia Dept. of Minority Business Enterprise  
Federal Highway Administration  
American Concrete Paving Association  
NE Chapter, Southern Region  
Old Dominion Highway Contractors Association