



U.S. Department
of Transportation

Federal Highway
Administration

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION:** LTPP Directive M-26 Date: May 3, 2016
Forms for recording Bulk Ac Aggregate
and Lab Combined AC Samples for SPS Projects

From: Jack Springer
Long Term Pavement Performance Team

Reply to
Attn of: HRDI-30

To: Mr. Gabe Cimini, PM - LTPP North Atlantic Regional Contract
Mr. Gabe Cimini, PM - LTPP North Central Regional Contract
Mr. James Sassin, PM - LTPP Southern Regional Contract
Mr. Kevin Senn, PM - LTPP Western Regional Contract

Attached is Long Term Pavement Performance (LTPP) Program Directive M-26 Forms for recording Bulk Ac Aggregate and Lab Combined AC Samples for SPS Projects. Please ensure that all personnel involved with the process are aware of this new directive.

Should you have any questions concerning this directive, please do not hesitate to contact me on (202) 493-3144 or jack.springer@fhwa.dot.gov.

Attachment

FHWA:HRDI-30:JSpringer;jharris:493-3144:05/03/16
File: M:\LTPP Directives\M-26.docx
cc:
Jonathon Groeger (TSSC)
Jane Jiang
Directive Binder
Official File



LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program

Program Area: Materials

Directive Number: M-26

Date: April 5, 2005

Supersedes: N/A

Subject: Forms for recording Bulk Ac Aggregate and Lab Combined AC Samples for SPS Projects.

This directive provides instructions for two new materials sampling sheets to accommodate sampling of bulk aggregate and lab mixed asphalt concrete on SPS-9 projects. These sheets are:

- SDS 21 Sampling Bulk Aggregate From Asphalt Concrete Batch Plants
- SDS 22 Sampling Information for Laboratory Mixed Asphalt Concrete Materials

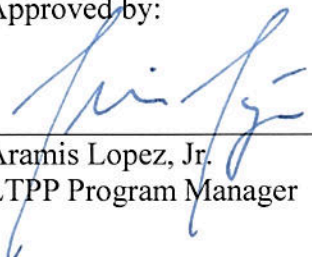
Sampling Data Sheet 21 is similar to SPS-9 Sampling Data Sheet 10-1, but is for bulk aggregate samples. It has been reorganized to be more consistent with current forms. The bulk aggregate samples should have sample numbers beginning with 'BU'

Sampling Data Sheet 22 is similar in format to other existing Sampling Data Sheets, but contains few common data elements beyond the header. This form provides information on the bulk aggregate 'BU' and bulk asphalt cement 'BC' samples combined to create a new bulk asphalt concrete sample with a SAMPLE_NO beginning with 'NA'.

These forms shall be used to record the referenced information for SPS-9 projects or in those situations where bulk AC aggregate or lab mixed AC samples are collected.

Prepared by: TSSC

Approved by:


Aramis Lopez, Jr.
LTPP Program Manager

Sampling Data Sheet 21. Sampling Bulk Aggregate from Asphalt Concrete Batch Plants

This data sheet is used to record information concerning sampling of bulk aggregate from AC batch plants for LTPP material testing purposes, and is very similar to SPS-9 Sampling Data Sheet 10-1. The samples recorded on this field should have a SAMPLE_NO beginning with 'BU'.

PERSON PERFORMING SAMPLING Record the name, title and affiliation of the person performing the sampling.

PLANT NAME Record the common name or operator of the mix plant facility which produced the sampled material.

PLANT LOCATION Record the location of the mix plant, including street address, town, and state.

PLANT TYPE Indicate the general type of mix plant used to produce the mix. If a plant other than a batch or drum plant was used, indicate other and provide a description of the plant on the next line.

DESCRIPTION OF MIX PLANT Provide a brief description of the type of mix plant noting any special features of traditional types of batch or drum plants, or a description of other mix plant types.

MANUFACTURER OF MIX PLANT Enter the name of the mix plant manufacturer.

MODEL NUMBER Enter the model number or model designation of the mix plant.

BATCH SIZE Record the size of the batch from which the sample was obtained.

SAMPLING LOCATION Enter the code number shown on the data form corresponding to the location from which the sample was taken.

SAMPLE SIZE Enter the approximate weight of the sample obtained, to the nearest pound.

SAMPLE GRADATION Enter the appropriate code to indicate whether the gradation of the bulk material is representative of that used in the AC mix or not.

DATE SAMPLED Enter the date the material sample was obtained.

LOCATION SAMPLE SHIPPED TO Record the location the sample was shipped to from the field. In many cases this should be the laboratory which will perform the testing.

DATE SHIPPED Enter the date the material was shipped to the location indicated on the form.

GENERAL REMARKS Provide any general remarks concerning the representativeness of the obtained sample, comments concerning the quality or uniformity of the material, or any other pertinent miscellaneous comments.

Sampling Data Sheet 22. Sampling Information for Laboratory Mixed Asphalt Concrete Materials.

This form is to be used for asphalt concrete samples created by combining bulk aggregate and bulk asphalt cement in a lab. The samples using these forms should have SAMPLE_NO beginning with 'NA' The following data is recorded on this form:

LABORATORY NAME Record the name of the laboratory where the sample combination was performed.

LABORATORY ID Record the four digit LAB_ID assigned to the lab performing the combination.

TECHNICIAN NAME Record the name of the person performing the combination.

AGGREGATE SAMPLE_NO Enter the SAMPLE_NO of the aggregate sample used in the combination.

ASPHALT BINDER SAMPLE_NO Enter the SAMPLE_NO of the asphalt cement sample used in the combination

AGGREGATE MASS Enter the mass of the aggregate used in the combination.

AGGREGATE GRADATION Enter the appropriate code to indicate whether the gradation of the bulk aggregate material is representative of that used in the AC mix or not.

ASPHALT BINDER MASS Enter the mass of the asphalt cement used in the combination.

TOTAL MASS Enter the mass of the created bulk asphalt cement sample

MIX TEMPERATURE Enter the temperature of the asphalt cement mix during the mixture process.

DATE MIXED Enter the date the combined material sample was created.

GENERAL REMARKS Provide any general remarks concerning the created sample, comments concerning the quality or uniformity of the material, or any other pertinent miscellaneous comments.

LTPP-SPS MATERIAL SAMPLING AND FIELD TESTING
SAMPLING BULK AGGREGATE FROM ASPHALT
CONCRETE BATCH PLANTS
SAMPLING DATA SHEET 21

SHEET NUMBER _____ OF _____

SHRP	REGION	STATE	STATE_CODE
SPS	EXPERIMENT	NUMBER	SHRP_ID
ROUTE/HIGHWAY			FIELD_SET
			LOC_NO
			SAMPLE_NO

PERSON PERFORMING SAMPLING

NAME _____ EMPLOYER _____
TITLE _____

MIX PLANT

PLANT NAME _____
PLANT LOCATION _____
PLANT TYPE Batch..... 1 Drum..... 2 []
Other (Specify) 3

DESCRIPTION OF MIX PLANT

MANUFACTURER OF ASPHALT PLANT

MODEL NUMBER

BATCH SIZE

SAMPLING LOCATION []

Conveyor Belt... 1 Stockpile... 2 Haul Truck... 3 Funnel Device... 4 Bins... 7
Other (Specify)..... 6

SAMPLE SIZE (lb) []

SAMPLE GRADATION []

Gradation is representative of AC mix... 1
Gradation is not representative of AC mix... 2

DATE SAMPLED (MM/DD/YYYY) []

LOCATION SAMPLE SHIPPED TO

DATE SAMPLE SHIPPED (MM/DD/YYYY) []

GENERAL REMARKS _____

CERTIFIED

VERIFIED AND APPROVED

DATE (MM/DD/YYYY)

Field Crew Chief

LTPP Representative

Affiliation: _____

Affiliation: _____

LTPP-SPS MATERIAL SAMPLING AND FIELD TESTING
 SAMPLING INFORMATION FOR LABORATORY MIXED
 ASPHALT CONCRETE MATERIALS
 SAMPLING DATA SHEET 22

SHEET NUMBER _____ OF _____

SHRP	REGION	STATE	STATE_CODE
SPS	EXPERIMENT	NUMBER	SHRP_ID
ROUTE/HIGHWAY			FIELD_SET
			LOC_NO
			SAMPLE_NO

MIX LOCATION

LABORATORY NAME

LABORATORY ID [_ _ _ _]

TECHNICIAN NAME

AGGREGATE SAMPLE_NO [_ _ _ _]

ASPHALT BINDER SAMPLE_NO [_ _ _ _]

AGGREGATE MASS (g) [_ _ _ _ . _]

AGGREGATE GRADATION [_]

Aggregate gradation in mix is same as in field sample... 1

Aggregate was re-graded or blended... 2

ASPHALT BINDER MASS (g) [_ _ _ _ . _]

TOTAL MASS (g) [_ _ _ _ . _]

MIX TEMPERATURE [_ _ _ . _]

DATE MIXED (MM/DD/YYYY) [_ _ / _ _ / _ _ _ _]

GENERAL REMARKS: