

PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area: Information Management System

Directive Number: IMS-35

Date: 26 October 1995

Subject: Instructions for Completing IMS Form S06 for SPS-3 and SPS-4 Materials Samples

Enclosed are instructions for completing IMS Form S06 for logging materials samples obtained from SPS-3 and SPS-4 sites under the SHRP program. This form should not be used for surface cores collected under the SPS-3 and SPS-4 program. The SPS-3 and SPS-4 cores are logged using Form S01, "Log of Pavement Cores."

BACKGROUND

In October, 1994, it became apparent that an IMS form was needed with which to enter data from materials samples related to the SPS-3 and SPS-4 program conducted under SHRP. Since all of the samples collected as part of the SPS-3 and SPS-4 program were logged on Form S06, a data entry screen modeled after this form (Materials Samples Inventory for Shipment to the Laboratory) was created. Consequently, an IMS data table, *TST_SAMPLE_LOG_SPS_3_4*, was implemented in the IMS to store the data. Other SPS-3 and SPS-4 testing forms "look-up" the sample in *TST_SAMPLE_LOG_SPS_3_4* to verify that the given sample exists prior to allowing data entry. This is a function similar to that performed by *TST_SAMPLE_LOG* for the GPS and SPS (other than SPS-3/4) samples.

At the time that this form was created however, only limited instructions were sent to the RCOC's for their use in inputting the data into the IMS. The enclosed instructions should fulfill this need.

INSTRUCTIONS

The data entry screen contains twelve (12) elements. Instructions for completion of each data element, as well as allowable entries (where applicable), are included in the following.

State Code: Enter a valid SPS-3 or SPS-4 section STATE_CODE as referenced in *EXPERIMENT_SECTION*.

SHRP ID: Enter a valid SPS-3 or SPS-4 section SHRP_ID as referenced in *EXPERIMENT_SECTION*.

Field set no: The field set number is a sequentially assigned number to indicate the different time periods in which material samples and field testing were conducted on the project. These time periods usually refer to different stages in the pavement life, such as prior to overlay construction, after overlay construction, end of test, etc. A field set number can apply to more than one day since sampling of SPS test sections usually requires more than one day. As a general rule, samples from the SPS-3 and SPS-4 projects sampled under SHRP that are to be recorded on this form should have a field set = 1.

Location number: This alphanumeric four digit code which will have two letters on the left side and two Arabic numerals on the right side which identify the sampling location of the material. For this data entry screen, the first two digits should be as follows:

SO## - samples obtained from source of production

AD## - samples obtained from distributor or slurry seal applicator

TR## - samples obtained from the delivery truck

The numeric portion of the code shall usually be a "01" for SPS-3 and SPS-4 materials samples.

Sample number: This alphanumeric four digit code which will have two letters on the left side and two Arabic numerals on the right side which identify the type of sample/specimen as follows:

HC## - crack sealant material
HA## - aggregate (normally used for chip seals)
HE## - emulsified asphalt cement
HS## - slurry seal mixture
HF## - mineral filler
HG## - grout material

The numeric portion of the code shall usually be a "01" for SPS-3 and SPS-4 materials samples.

Accept/Check: This is a one character text field. Enter an "A" for acceptance samples and a "C" for check samples. This item must be entered for every sample.

Sample size: Enter the amount of material sampled in appropriate units. For example, 2 quarts, 20 lbs., etc. Up to 20 characters can be entered in this field.

Sample type: Enter the type of sample. For example "bag" (aggregate), can (emulsified asphalt), etc.

Sample material: This entry is a text entry that does not require a particular format. However, the following codes are recommended:

AESL - emulsified asphalt for slurry seals
AECS - emulsified asphalt for chip seals
AGSL - aggregate for slurry seals
AGCS - aggregate for chip seals
AMSL - slurry seal mixture
CKSL - ASTM D3405 sealant material
CKSS - silicone sealant (Georgia 833.06 joint sealant)

These are recommended entries. For other materials, a general description should be adequate such as "grout," or similar, depending on the material. This field must be completed for each sample. Up to 20 characters can be entered in this field.

Sample condition: This is the sample condition as observed during inspection. Possible

entries may be good, cracked, loose, bag torn, spilled, etc. Up to 20 characters may be entered in this field.

Remarks: The remarks should include any relevant additional comments regarding the sample. Up to 40 characters may be entered in this field.

Date sampled: Enter the date the material was sampled. This field must be completed for each sample.

SUMMARY

Also attached to these instructions, for general information, is the "IMS Table Format and Data Input Checks for Sampling Materials from a SPS-3 or SPS-4 site." This may aid in entering data into the IMS. For additional information related to the SPS-3 and SPS-4 materials sampling program, please see Section 5, SHRP Publication H-358, "Pavement Maintenance Effectiveness."

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