LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE

For The Technical Direction Of The LTPP Program

Program Area: Monitoring **Directive Number: SM-17**

Date: November 25, 1996 **Supersedes: SMPCheck v2.5**

Subject: Upgrade of SMPCheck Software to Version 2.5a

This new version of the SMPCheck software contains modifications made in response to feedback from the RCOCs. More specifically, the following modifications were made in this program version:

- Corrected problem associated with display of ONSITE hourly temperature data when both the highest and lowest temperature for a seven-day period are less than zero degrees Celsius.

- Modified MOBILE file date/time editing module so that if resistivity measurements are not contained in the data file and/or the time or date are incorrect, the program uses the TDR measurement date/time as the control date variable.

- Revised module that checks hourly temperature data for the first five MRC thermistors to correct a processing error that was causing erroneous calculation of daily statistics.

The above modifications do not require changes to the documentation; hence, the Users Guide provided with the SMPCheck v2.5 software remains unchanged.

SMPCheck v2.5a should be installed on all computers being used to enter and process SMP data. Installation consists of copying the file INSTALL.EXE off the distribution diskette and into the SMPCheck directory. Once done, run the INSTALL.EXE program and answer "yes" to overwrite existing program files. If this procedure is followed, the SMPCheck program should be able to read and process all data previously entered and processed with version 2.5 of the SMPCheck program.

NOTE: **Any ONSITE data files processed with SMPCheck v2.5, which contain**

defective temperature readings less than -99°C for the first five MRC sensors or air temperature, MUST be rerun through the ONSITE module in the SMPCheck v2.5a program. The only processing that needs to be performed is to open the existing ONSITE.EDT using the "View Edited Data" option. This will cause a recomputation of the daily statistics that may have been inadvertently altered. The resulting *.EDT file should then be used to generate a new upload file. Again, this procedure only needs to be performed on ONSITE data files that contain defective temperature data less than -99°C for the first 5 MRC sensors or air temperature.

As always, if there are any questions concerning these modifications or any comments on the SMPCheck program, please do not hesitate to call or submit a problem report form (SMPPR).

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