



LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE

For The Technical Direction Of The LTPP Program



Program Area: Monitoring **Directive Number: P-7**

Date: April 10, 1995 **Supersedes: SHRP P-5**

Subject: Handling and Long-Term Storage of Profile Data

This directive details the procedures that the RCOs must follow for the handling and long-term storage of profile data.

1. Profiler operators are to make three complete backup copies of LTPP profile data files using FastBack Plus (v6.0) and/or PKZIP (v2.04g). One copy of the profile data will be saved from the DEC computer to a floppy disk after testing is completed; another copy of the profile data will be saved on 3.5-in floppy disks in IBM format, and the third copy will be created on floppy diskette or the profiler computer hard drive in IBM format.

One IBM format backup copy on floppy diskette is to be transmitted to the RCO along with the following: (1) the printed copy of the profile data generated by the profiler during the actual testing if available and (2) the backup history report of all files generated (if FastBack Plus was used).

The remaining two copies will serve as backups should the copy sent to the RCO be lost or damaged. One of these copies must be removed from the profiler vehicle whenever the operator is not with the testing equipment

2. Profile data received at the RCO will be restored to the original format using FastBack Plus or PKZIP, as appropriate; the same software as used in Step No. 1 to create the copy on floppy diskette (s) must be used to restore the profile data. The RCO will verify that data files are complete and in readable form.
3. All profile data is to be processed using PROFCHK as described in Directives P-1 and P-6.

4. Profile and statistic data (*.RI*) for the first five error-free runs are then to be loaded into the Regional Information Management System (RIMS).

The RIMS loading process generates a file called PROFILE.LOG. This file should be reviewed and errors corrected, as necessary. This procedure should be repeated until the following message appears in PROFILE.LOG: "The PROFILE file has been successfully loaded."

When all profile files for a test site have been successfully loaded into RIMS, the profiler operators may reuse the backup floppy diskette(s) which remain with the profiler vehicle, and/or delete the PKZIP copy created on the profiler computer hard drive if applicable.

5. After successful loading of all data into RIMS, all RIMS files for all runs should be archived to optical disk. The PROFILE.LOG should be printed and the PROFILE.LOG file can then be deleted. Also, after all profile data files for all runs completed have been archived to optical disk, RCO personnel may reuse the backup floppy disk received from the field.
6. When determined by the COTR, profile and statistic data are to be uploaded into the NIMS database by the appropriate procedures.
7. For each upload, appropriate TRB staff will check that the upload process was successful and that the data has not been corrupted during transfer. In the event of missing data or corruption, corrective measures will be taken until the data is correctly entered in the NIMS.
8. Upon receipt of notification from appropriate TRB staff verifying the successful upload of a batch of profile data, the X-Y profile data from that batch is to be deleted from RIMS. All profile statistics (IRI, RMSVA, MO, SV) are to be retained in RIMS.

Prepared by: John Klemunes

Approved by:

Monte Symons