



U.S. Department
of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION:** LTPP Directive I-124,
Combining Transverse Profile Tables

Date: June 6, 2005

From: Eric Weaver 
Long Term Pavement Performance Team

Reply to
Attn of: HRDI-13

To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract
Dr. Frank Meyer, PM - LTPP North Central Regional Contract
Mr. Mark Gardner, PM - LTPP Southern Regional Contract
Mr. Kevin Senn, PM - LTPP Western Regional Contract

Attached is Long Term Pavement Performance (LTPP) Program Directive I-124 for combining Transverse Profile Tables. Please make sure all office personnel involved in LTPP IMS are aware of this new directive

If you have any questions concerning this transmittal, please do not hesitate to call me at (202) 493-3153.

Attachment



LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE

For the Technical Direction of the LTPP Program



Program Area: IMS

Directive Number: I-124

Date: June 6, 2005

Supersedes: NA

Subject: Combining Transverse Profile Tables

In release VR 2004.06, the tables MON_T_PROF_DEV_CONFIG, MON_T_PROF_PROFILE, and MON_T_PROF_MASTER were renamed to MON_T_PROF_DEV_CONFIG_OLD, MON_T_PROF_PROFILE_OLD, and MON_T_PROF_MASTER_OLD, respectively, as part of SPR 3377. This was done to preserve transverse profile data that was not available for reprocessing through ProQual 2004. Once all of the available files have been reprocessed and reloaded into the new MON_T_PROF_DEV_CONFIG, MON_T_PROF_PROFILE, and MON_T_PROF_MASTER tables, the data that has not been reloaded needs to be copied into the new tables.

The combining process has been divided into two phases. First, a thorough review of the datasets must be completed. This review will help to detect files, which should have been reloaded through ProQual 2004, and it will help to detect files where some of the key values did not match completely. The second phase involves the actual transfer of data from the old to the new tables. It involves making a backup of all the tables to be changed, moving the data, and dropping the old tables.

The Regional Coordination Contractor shall complete the combining of these tables by the August 2005 upload.

Using the sql scripts and batch file attached to this message, please follow these steps:

1. Create a working directory

Create a working directory on a device with at least 50 Mb of free space available. This directory will be used to contain the scripts provided as well as the output from those scripts.

2. Save and Run the scripts

Save the script and batch files into the directory created in step 1. Open a command shell and change the working directory to the directory created in step 1. This shell will be used to run the scripts described below.

3. Review the data to be transferred

Reviewing the data is the most involved step. It requires reviewing a potentially large log file to find data that should not be migrated to the new tables.

3.1. Get a list of data to be transferred

Run IdentifyTProfSectionsToReload.sql to generate the list of transverse profile surveys to be copied from the _OLD tables into the new tables. These are the surveys in the _OLD tables that have no exact matches in the new tables.

```
sqlplus <dba>/<pass>@<inst> @IdentifyTprofSectionsToReload.sql
```

3.2. Review the list of data to be transferred

Examine IdentifyTProfSectionsToReload.lis to verify that there are no additional surveys on the list that can be reprocessed before transferring the data. Also, check to see if there are surveys on the list that *have* been reloaded but did not match the key fields in the old data.

3.3. Make Corrections

Load any surveys, identified in step 4.2, as missing. If any surveys were listed that should not be transferred from the old to the new tables, delete the records from the old tables.

3.4. Repeat

If any changes were made in step 4.3, then go back to step 4.1 and get a new listing. Review the listing and correct the data until you are satisfied with the list of surveys that will be transferred from the old to the new tables.

4. Transfer the data

Run CopyTProfSectionsFromOld.bat. It will export the tables in their current state, list the records to be transferred from the _OLD tables, transfer the records, and then drop the _OLD tables. When the batch file is done, CopyTProfSectionsFromOld.lis will open up in Notepad to allow the log to be reviewed.

```
CopyTProfSectionsFromOld <dba>/<pass>@<inst>
```

5. Review the logs

Review the logs to make sure that everything went well in step 5.

5.1. Export log

Review TprofTables.LOG to verify that the export step has exported an appropriate number of rows.

5.2. Script Log

Review CopyTProfSectionFromOld.lis to verify that the appropriate records were

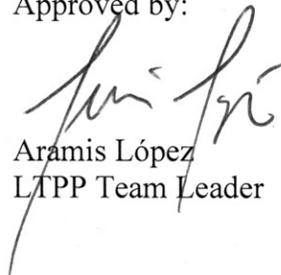
transferred from the old to the new tables. Because this file is so large, you may want to search for the word “rows.” Verify that the number of “rows selected” is equal to the number of “rows created.” Also verify that you see “Commit complete” and three “Table dropped” messages at the bottom of the file. There should not be any Oracle error messages in this file.

6. Archive the data

Archive TProfTables.DMP, TProfTables.LOG, and CopyTprofSectionsFromOld.lis.

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Approved by:



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