



U.S. Department
Of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION:** LTPP Directive TDP-42
Release of LTPP Traffic Analysis Software Version 1.6.1

Date: August 11, 2006

From: Deborah Walker *Deborah Walker*
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 the Long Term Pavement Performance (LTPP) Program Directive TDP-42. This directive addresses the executable and supporting table updates made to the LTPP Traffic Analysis Software (LTAS) since the release of version 1.6. Installation instructions are included in Attachment 1. Installation of the updated software shall be completed by Friday, August 18, 2006 and full implementation of version 1.6.1 shall begin Monday, August 21, 2006. Please ensure that all personnel involved with the Traffic Program are aware of this new directive.

Should you have any questions or would like to discuss this directive, please do not hesitate to contact me at 202-493-3068.

Attachments (3)

FHWA:HRDI-13:DWalker:mdeeney:493-3068:08/11/06

File: c:/mdeeney/directive/traffic/tdp42dir.doc

cc:

Gonzalo Rada
Debbie Walker
Directive Binder
LTPP Team
Official file
Chron

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area:	Traffic	Directive Number:	TDP-42
Date:	August 11, 2006	Supersedes:	TDP-41
Subject:	<i>Release of LTPP Traffic Analysis Software Version 1.6.1</i>		

Purpose

The purpose of this directive is to authorize the release of version 1.6.1 of the LTPP Traffic Analysis Software (LTAS) for the LTPP Regional Support Contractors (RSCs) to begin using. Installation of the updated software shall be completed by Friday, August 18, 2006 and full implementation of version 1.6.1 shall begin Monday, August 21, 2006. This directive discusses the executable and supporting table updates made to LTAS. It also includes a list of all changes made to the software since the release of version 1.6.

Changes

This release addresses reporting of errors, Software Performance Reports (SPRs), miscellaneous items, and database modifications (see Attachment 2 – List of Changes). The major change to this version of the software is to clean-up reporting errors that existed in version 1.6.

Distribution and Installation of Updated Software

The updated software is posted on the Technical Support Service Contractor's (TSSC's) corporate FTP site for download until Wednesday, August 16, 2006. The software, scripts, and updated documentation are in Outgoing\LTTP_LTAS. The installation of the analysis software and support table elements to permit processing with the traffic data analysis software shall be completed by Friday, August 18, 2006. Additional copies of the software needed after August 16, 2006 must be requested through the LTPP Customer Support Service Center.

The table in Attachment 1 "Installing LTAS Version 1.6.1" lists the steps for installing the new release of the traffic analysis software. The installation information is also included with the software distribution.

Manual Revisions

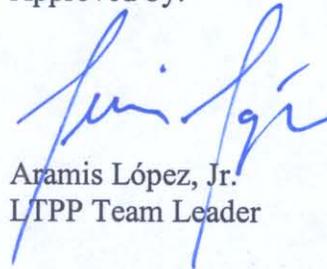
There are no manual changes to the LTAS documentation associated with this release of the software.

Questions or Issues

Questions concerning this directive should be addressed to the FHWA LTPP program office. If there are problems implementing this directive, please submit a Software Performance Report (SPR) according to the guidelines in TDP-40.

Prepared by: TSSC

Approved by:

A handwritten signature in blue ink, appearing to read "Aramis López, Jr.", is written over the printed name and title.

Aramis López, Jr.
LTPP Team Leader

ATTACHMENT 1

The following table lists the steps for installing version 1.6.1 of the LTPP Traffic Analysis Software (LTAS).

Installing LTAS Version 1.6.1

Step	Action
1	Execute the script (any user with Table Create permission) to see what data problems exist in the ERR_WT table. This script uses a temporary table, so it can be run as many times as needed. <i>sqlplus dbaname/usepwd@trfprod @Err_Wt_Review.sql</i>
2	Execute the script (as the DBA for the traffic instance) to update the ERR_WT table. <i>sqlplus dbaname/usepwd@trfprod @Err_Wt_Corrections.sql</i>
3	Execute the script (as the DBA for the traffic instance) to update the Traffic_Tables table. <i>sqlplus dbaname/dbapwd@trfprod @Traffic_Tables_Update_1_6_1.sql</i>
4	Execute the script (as the DBA for the traffic instance) to update the codes in the TRAFFIC_CODES table. <i>sqlplus dbaname/dbapwd@trfprod @Traffic_Codes_Update_1_6_1.sql</i>
5	Replace the analysis.exe on the server using the updated analysis.exe located in the zip file Analysis_1_6_1.zip.

ATTACHMENT 2

List of Changes

Software Functionality – Analysis.exe

- ◆ No changes were made.

SPRs Addressed

- ◆ *SPR 4-501*. Corrected the annual total on the Annual Summary Sheet Report to show the annual average rather than a count.
- ◆ *SPR 4-502*. Changed the Annual Summary Cover Sheet Report to show Days Available rather than Days Received.

Miscellaneous Items

- ◆ Verified and reorganized Daily Summaries data/error loading and increased list of non-critical errors that are not sent to the error table (ERR_WT). Changed the rules for BAD_FLAG error which is now generated if flag 1 and flag 2 are not compatible.
- ◆ Verified and added non-critical error checking to Load Files method for weight loading.
- ◆ Modified Annual Summary Sheet – Weight by Lane Report to show Class 9 Statistics of over and under weight vehicles in percentages rather than numbers.
- ◆ Modified Error Summary Report to reflect Purge process in LTAS not entering purge counts in ERR_WT. Made some label changes as well. For weight, a new section was added to the report to show days omitted.
- ◆ Modified Month by DOW Report to reflect Purge process in LTAS not entering purge counts in ERR_WT. Made some label changes as well.
- ◆ Modified Monthly Statistics Report to reflect Purge process in LTAS not entering purge counts in ERR_WT. Made some label changes as well.
- ◆ Modified Annual Summary Cover Sheet to reflect Purge process in LTAS not entering purge counts in ERR_WT. Made some label changes as well. Also corrected the Heavy Class 9 Steering Axle Average to not include “0” values.
- ◆ Modified Agency Annual Cover Sheet to reflect Purge process in LTAS not entering purge counts in ERR_WT.
- ◆ Modified Annual Summary Sheet – Class by Lane to reflect Purge process in LTAS not entering purge counts in ERR_WT.

Database Modifications

- ◆ Added fields to ERR_WT_TEMP to handle revision to error processing.
- ◆ Created two new views to facilitate changes to reports based on modified purge process in LTAS (CLASS_ERROR_SUMMARY and WEIGHT_DAYS_DROPPED).