



Memorandum

U.S. Department
of Transportation

6300 Georgetown Pike
McLean, Virginia 22101

**Federal Highway
Administration**

Subject: **ACTION**: LTPP Directive TDP-26
Release of LTPP Traffic Analysis Software version 1.0

Date: May 13, 2001

From: Larry Wisner
Long Term Pavement Performance Team

Reply to
Attn of: HRDI-13

To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract
Mr. Tom Wilson, PM - LTPP North Central Regional Contract
Mr. Mark Gardner, PM - LTPP Southern Regional Contract
Dr. Sirous Alavi, PM - LTPP Western Regional Contract

Attached is LTPP Directive TDP-26 providing instructions on the installation of the LTPP Traffic Analysis software and the initiation of traffic analysis processing. The software was provided via email April 25, 2002. The manuals referenced were provided at the recent traffic training.

If you have any questions concerning this transmittal, please do not hesitate to call me at (202) 493-3079.

Attachment

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File: c:\mdeaney\directives\tdp-26.doc

cc:

LAW PCS

LTPP Staff

Directive File

Official File

Chron

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area:	Traffic	Directive Number:	TDP-26
Date:	May 13, 2002	Supersedes:	None
Subject:	<i>Release of LTPP Traffic Analysis Software version 1.0</i>		

This directive discusses the installation of the LTPP Traffic Analysis software and the initial of data processing activities.

The installation instructions, associated software change notice, and list of current workstation software are included as attachments to this document for reference. The software update was distributed directly by the Technical Support Services Contractor. The installation of the database and analysis software to permit processing with the traffic data analysis software shall be completed by May 3, 2002.

This release contains a listing of all of the changes made to the software since the beta version was provided for testing and familiarization. The majority of the changes were related to miscellaneous SPRs resolved during this period. Most notable were the changes to the loading data to the daily tables.

The analysis software is supported by six volumes of documentation, four of which directly support the traffic user. They are:

Traffic Analysis Software Volume 1 - Users' Guide
LTPP Traffic Analysis Software Volume 2 - Functional Specifications with Appendix A
LTPP Traffic Analysis Software Volume 3 - ORACLE Table Specifications with Appendices A-D
LTPP Traffic Analysis Software Volume 5 - Specifications for Graphics

These volumes dated between March 28th and April 10th have been provided to LTPP staff and contractors. Volumes 2, 3 and 5 are purely reference describing how the software is supposed to

work, feel and the content of its tables and data. Volume 1 describes actual processing activities. As the software has yet to complete a full year's cycle of traffic data processing the material on the composition of packets to be supplied to the agency remains guidelines for consideration rather than requirements for execution. In the volume dated 10 April 2002 this is section 3 - Agency Packets. Additionally, as a number of details remain to be formally implemented with respect to the SPS pooled fund project and associated data processing, Section 4 - SPS Pooled Fund remains under discussion and not an absolute requirement.

Prepared by: TSSC

Approved by:

Aramis López, Jr.
LTPP Team Leader

Attachment 1

Instructions to Install Version 1.0 Release

I. Install Executables on Server

1. Extract the files in the "AnalysisInstall.zip" using the password "version1_0" to the D:\TempScripts subdirectory.
2. Change to the D:\TempScripts subdirectory
3. Double click on **TAServer.exe**
4. Verify that Analysis.exe, Sheet7.exe, and TAWorkstation.exe are in D:\ltp\bin\traffic.

II. Install Executables on Client

1. Make sure that the client has drive L: mapped to the server (IMS) LTPPClient share. (Note: You may use a different drive letter than L:, but you must substitute your drive letter for L: in the remainder of these instructions.
2. Double click on L:\bin\traffic\TAWorkstation.exe which will install the necessary files on the traffic workstation.
3. On Enter path to LTPPClient share (L: nominally), you must add \bin\traffic for location of the Traffic Analysis executable (Analyze.exe) if you do not select the default location of L:\bin\traffic.
4. The install will also add a shortcut to your Start/Programs/LTPP menu for the Traffic Analysis software.
5. An ODBC link to the Oracle database is required, see the Traffic Analysis Software Volume 1 - Users' Guide, Section 14.2.1 - Setting up a Data Source for additional information.

NOTE: The Analysis.exe file will only reside on the server for version control and ease of updating. The workstations will run the software from the shortcut created in II.4.

Attachment 2

LTPP Traffic Analysis Software
Software Change Notice
Version 1.0

Version 1.0Superseding NoneEffective Date: April
23, 2002

The following changes were addressed during the initial testing of the Traffic Analysis software:

1. Miscellaneous changes to the graphic output (SPR 1-86).
2. Corrected the find files problem for class and weight simultaneously was corrected (SPR 1-96).
3. Changed processing for the Traffic Analysis table to be compatible with database connection, OpenEx (SPR 1-98).
4. Added "Please Wait" to processing when the monthly summaries are processing data and a message to the log upon completion (SPR 1-100).
5. Modified processing to give more appropriate message when loading weight files (SPRs 4-405 and P-3074).
6. Included in the analysis software processing so that the daily tables include only days without errors (SPRs P-2884 and P-2885).
7. Changed SPS selection for SHRP on Find Files, Daily, and Monthly to include all sites beginning with a "0" or a letter and ending with "00" except for "0001" of Texas (SPR S-3082).
8. Added field "Date Reviewed" to Sheet 7 screen. Added field "Record Status" to Sheet 7 and SHRP Info screens. Added "Monthly" to the label on summary processing (SPR P-3093).
9. Modified classification error processing for existence of a record. Modified monthly processing for GVWs and axles of Sheet 7 states to populate correctly (SPR P-3104).
10. Modified processing for axle weight bins and corrected BIN25 for GVWs to the correct maximum value. Add new specification for mid-point on BIN50 to 24750 for A axle weights. (SPR P-3107).

Attachment 3

LTPP Traffic Analysis Software

Current Versions for Workstation Software

2.0.1.6.0	Oracle Universal Installer
9.0.1.1.1	Oracle Client Software
9.0.1.1.1	Oracle Utilities
9.0.1.1.1	Required Support Files
9.0.1.1.1	Oracle Net Client
9.0.1.1.1	Oracle Net Assistant
9.0.1.0.1	SQL*Plus
9.0.1.0.1	Oracle Documentation
9.0.1.1.1	Oracle Call Interface
9.0.1.0.1	Oracle ODBC Driver
9.0.1.0.1	Oracle Enterprise Manager
9.0.1.1.1	Oracle Utilities

Attachment 4

LTPP Traffic Analysis Software

Current Versions of Software

<i>Software</i>	<i>Version</i>
Microsoft Windows 2000	Service Pak 2 (5.00.2195)
ORACLE Server	9.0.1.1.1
SQL*Plus	9.0.1.0.1
ORACLE Utilities	9.0.1.1.1
ORACLE Enterprise Manager	9.0.1.0.1
ArcServe 2000 WorkGroup Edition	7.0 [Build 1018]