



Memorandum

U.S. Department
of Transportation

6300 Georgetown Pike
McLean, Virginia 22101-2296

Federal Highway
Administration

Subject: ACTION: LTPP TRAFFIC
DIRECTIVE NO TDP-03

Date: December 18, 1995

From: Kris Gupta **KG**

Reply to
Attn of: HNR-30

To: Mr. Ivan Pecnik, LTPP Regional Engineer (NA)
Mr. Morris Reinhardt, LTPP Regional Engineer (S)
Mr. Richard Ingberg, LTPP Regional Engineer (NC)
Mr. Cal Berge, LTPP Regional Engineer (W)

The attached LTPP Program Directive Number TDP 03 is to provide "Level 3 Filter Program" that should be used to reprocess all 1990-1993 Level 3 traffic data to assure that no flagged records have been used in the level 2/1 traffic data that will reside in the NIMS.

The program is intended to be used to process 1994-95 data also until further notice.

Please, distribute these to the IMS/TRAFFIC staff of the LTPP Regional Coordination Contractor for immediate implementation. Also, please assure that the log file discussed in the directive is maintained during this phase of data processing and a copy is provided to Chaparral for their review.

Please, contact me at 703/285-2376 if you have any question(s).

Attachments

cc:
Shahed Rowshan
Barbara Ostrom
Joe Wilkinson/Cindy Cornell

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program



Program Area: Traffic

Directive Number: TDP-03

Date: December 18, 1995

Subject: Release of Level 3 Filter Program

This memorandum provides a description of the filter utility program (QAPURGE.EXE) that filters level 3 data using the flag file. This utility will not fix the present "bug"¹ but will filter flagged data in level 3 where the "bug" has occurred. The diskettes have been sent directly to your office by Chaparral System Corporation.

Basically the program does the following:

If you flag the GPS lane for weight data, the entire level 3 day will be discarded.

If you flag a lane other than the GPS lane for weight data, then nothing is done to the Level 3 data.

If you flag the GPS lane for class data, the entire Level 3 day will be discarded.

If you flag a lane other than the GPS lane for class data, the directional volumes for all classes for the direction of that lane will be marked as missing and the total volume will be marked as missing.

If you flag the GPS lane for volume data, the entire Level 3 day will be discarded.

If you flag a lane other than the GPS lane for volume data, the directional volumes for the direction of that lane will be marked as missing and the total volume will be marked as missing.

The program uses the exact same flag list files (such as PURGE.TXT) as the QAFILT program. The operation and options are almost identical as well. However, the QAPURGE program operates against Level 3 data while the QAFILT program operates against Level 4 data.

¹ The traffic software problem in which flagged level 4 data is used in level 3 processing is referred to as the "bug" in this and other corresponding documents.

STARTING THE PROGRAM

After installing version 5.77 of the traffic software,

1. Type QAPURGE at the DOS prompt and press [ENTER]. The QAPURGE menu will start automatically. The QAPURGE screen is identical to the QAFILT screen.
2. To select the Options menu, press [ALT-O]. The Options menu has three options: Drive Options, Filter File, and Log File.
3. To select Drive Options, press [F1]. The drive option is used to select your level 3 source drive (usually D:). To change the source drive, press [TAB] to enter the list of drives, use the [SPACE BAR] to toggle the X on or off, and press [ENTER] to exit.
4. To select the Filter File option, press [F2]. Type in the location and name of the purge list file (PURGE.TXT). This is the same file that is used in the QAFILT program.
5. To select the Log File option, press [F3]. Enter the log file name (e.g. C:\OUTPUT\QALOG.TXT). A description of the log file is given in the following section.
6. To start processing, press [ALT-P], then [S] for start.

LOG FILE DESCRIPTION

Unlike the QAFILT program, QAPURGE produces a log file. This log file lists all observations that are flagged in level 3. Figure 1, below, gives an example of a log file with its corresponding column headings.

State	SEIRP Id	Card Type C,W,V	Date Flagged Y,M,D	Processing Date Y,M,D	Direction	Lane	Action D=Delete or M=Missing
01	4007	C	1993 10 04	1995 05 11	1	2	M
01	4072	W	1993 08 25	1995 05 11	1	1	D
01	4072	C	1993 11 08	1995 05 11	1	1	D

Figure 1. Log File

The purpose of this file is to list the sites in which the "bug" occurred. It will also give a list of sites that need to be reprocessed through Level 2 and Level 1. This file may help us narrow down the occurrence of the "bug" (for example, does this problem only occur in 7-card data from a continuous WIM device).

1990-1993 TRAFFIC DATA PROCESSING STEPS

All 1990-1993 Level 3 traffic data should be processed through the QAPURGE program (follow the directions given in the section-Starting the Program). Once all of the Level 3 data have been processed through the QAPURGE program, the log file will be reviewed by the TAC. The sites that appear on the log file must be reprocessed through the Level 2 and Level 1. Once Level 2 and Level 1 reprocessing has been completed, the data from the problematic sites can be resubmitted to Barbara Ostrom located at LTPP office in McLean, Virginia.

1994-1995 TRAFFIC DATA PROCESSING STEPS

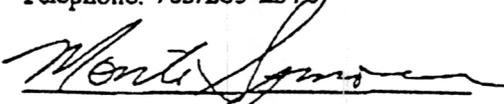
Any fixes to the traffic software can not be completed until the "bug" can be reproduced. Until then, all data should go through both the QAFILT program and the QAPURGE program. Fortunately, the QAPURGE program does not take as much processing time as the QAFILT program does.

After Level 3 processing is completed, run the QAPURGE program. Examine the log file to find any problems and also send a copy to Chaparral the Technical Assistance Contractor for their review. Then run the level 2-1 processor. Once Level 2 and Level 1 processing has been completed, the data for that site can be transferred to Barbara Ostrom.

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