

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area: Traffic Monitoring **Directive Number:** TDP-19
Date: March 19, 2001 **Supersedes:** See below
Subject: Implementation of Traffic Sheet Entry in the IMS

This directive addresses the handling of traffic data entry for summary sheets associated with submission of estimated ESAL values and truck volumes. It supersedes all portions of the “Long Term Pavement Performance Traffic Software Users’ Guide” dated June 1997, which reference the sheets identified below. The current versions of the sheets may be found in the Traffic Data Collection Guide issued under directive TDP 18: Implementation of “Guide to LTPP Traffic Data Collection and Processing”.

- Sheet 2 - Traffic Volumes and Load Estimates
- Sheet 3 - Procedures for Estimating Annual Average Volumes and Total Annual ESALs
- Sheet 10 - Traffic Volume and Load Estimate Update - No Site Count

All data on the sheets listed will be stored in their most current version in the IMS. If multiple submissions have been received for a given site or year, only the last one received should be included. Sheet 2 and 3 data will reside in **TRF_HIST_EST_ESAL**. Sheet 10 data will reside in **TRF_MON_EST_ESAL**.

Sheet data will become a part of every IMS traffic upload unless otherwise noted.

The TSSC has distributed the necessary data entry screens to support DataPave 3.0. The QC, filters to load data currently residing in the CTDB and copies of that data will also be forwarded to the regions. The tables for sheets 2 and 10 for all sections require population with additional information on the basis of the estimates.

Regions are responsible for running QC for all tables. Unless otherwise noted in the QC Manual Chapter 11, or the table specifications which will be available prior to its upgrade, manual upgrades are allowed for all records.

It is of particular importance that the codes shown on the current version of the sheets be used. The sheet codes are consistent so that the same information in different tables uses the same code values. The codes used in the IMS are not those used in the CTDB. The filter being

provided to load sheet 3 data and missing elements of Sheet 10 make the code transformations automatically. Copies of the conversion rules may be found in the specifications for the IMS tables.

For user convenience the following conventions define existence of data in these tables:

All GPS sections are eligible for inclusion in either table. Data should be available from open to traffic from initial construction or the last overlay prior in inclusion in the LTPP program, whichever is later. In no case is any data prior to 1965 expected.

All new SPS construction (SPS-1, -2, and -8, -9N) cannot have entries in **TRF_HIST_EST_ESAL**. Data should appear only in **TRF_MON_EST_ESAL**. It should only be present when no monitored information is available for either weight or weight and class. Data should be provided on a section basis since one of the elements is an ESAL estimate. If only a project level estimate is provided, it may be entered in the table. However, a duplicate entry must be made for every section and the ESAL estimate method coded to reflect that.

All SPS rehabilitation projects (SPS-5, -6, -7, -9C, -9J, and -9O) may be included in either table. Data should only be entered at the project level prior to rehabilitation in **TRF_HIST_EST_ESAL**. Data for the monitoring period which appears in **TRF_MON_EST_ESAL** may be at the project or section level prior to rehabilitation. It should only be present in **TRF_MON_EST_ESAL** when no monitored information is available for either weight or weight and class. After rehabilitation data must be provided at the section level. If only a project level estimate is provided, it may be entered in the table. However, a duplicate entry must be made for every section and the ESAL estimate method coded to reflect that. The first year for which a section level estimate must be present is the later of **DATE_COMPLETE** or **DATE_OPEN_TRAFFIC** in **SPS_ID**. For projects without entries in **SPS_ID**, the year of **ASSIGN_DATE** in **EXPERIMENT_SECTION** should be used as the cutoff point.

All SPS maintenance projects (SPS-3 and -4) may be included in either table. Data should only be entered at the project level for these projects (using **SHRP_ID** ending in 00). Once data is entered in either of these tables for a project, data must exist in all ESAL tables (**TRF_HIST_EST_ESAL**, **TRF_MON_EST_ESAL**, **TRF_MONITOR_BASIC_INFO**) for the life of the project.

Prepared by: TSSC

Approved by:

Aramis López
LTPP Team Leader