



U.S. Department
of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101-2296

Subject: ACTION: LTPP Directive GO-39
Submission of Electronic Data for Customer Support and AIMS
(Supersedes LTPP Directive GO-37)

Date: March 23, 2006

From: Eric Weaver 
Highway Research Engineer

Reply to
Attn of: HRDI-13

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

Attached is LTPP Directive GO-39, Submission of Electronic Data for Customer Support and AIMS. This directive should be transmitted to all appropriate personnel as soon as possible. This directive supersedes directive GO-37.

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

Attachment

FHWA:HRDI-13:EWeaver:mad:493-3153:3/23/06

File: mdeeney/directives/GO-39.doc

cc:

LTPP Staff

G. Rada, TSSC

Directive File

Official File (120.26)

Chron

Submittal Media Formats

The next submittal will require disk-based media using an external drive with a USB 2.0 interface and sufficient capacity to store double the data required for this submission. Data will be grouped into 3 categories, distress, profile and deflection.

The following naming convention shall be used when submitting the external drive. This name would appear when viewing the drive through the operating system. The name electronically assigned to the drive shall follow this convention:

Region_SubmittalDate, where

Region: A two-letter abbreviation used to specify the regional contractor; North Atlantic Region (NA), North Central Region (NC), Southern Region (SR), and Western Region (WR).

Submittal Date: Use “Month-Year” format; e.g. 05-2006.

Example: NA_05-2006

The physical label for the external drive may be applied with paper and tape, or some other kind of adhesive label capable of adhering to the drive until it is delivered to the FHWA and TSSC. Take care to apply the label to a flat surface that does not interfere with any lights, controls interfaces or vents. The following information, at a minimum, shall be included on the physical label of the USB drive:

- FHWA/LTPP
- Descriptive Title. (e.g. 2006 RSC AIMS Data Submittal);
- Data type(s) – (e.g. PRF, DIS, DEF);
- Region – 2-letter (e.g. SR);
- Submittal date, in text using “Month Year” format; e.g. June 2005

Handling and organizational procedures for each data category and subcategory are described below.

Deflection (DEF) - Falling Weight Deflectometer (FWD) Peak and Time History Files

The following FWD file types will be included:

- Version 10 “*.FWD” files, containing both peak deflection data and time history data
- Version 20 “*.FWD” files, containing both peak deflection data and time history data
- Version 25 “*.F25” files, containing peak deflection data only
- Version 25 “*.HXT” files, ASCII files containing converted binary encoded time history data
- FWDWin “*.DDX” files, ASCII files converted from MS Access files containing peak and time-history data.
- Highway agency data collected on LTPP sections, regardless of format

The following directory/subdirectory structure shall be used:

DEF\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)

e.g.: \DEF\48\480102\20040905

Profile (PRF) – Longitudinal, Transverse, Weigh In Motion (WIM) Site

There will be a folder for each profile subcategory; longitudinal profile (LPF), transverse profile (TPF) and WIM site profile (WSP). Specific directions and subdirectory structures for each subcategory follow:

Longitudinal Profile (LPF)

Longitudinal profile has been collected with both laser profilers and Dipsticks®. Both file types are included here. For 25 mm laser profile files, only those collected with equipment since the DNC-690 will be included here because DNC-690 data already resides in the PPDB. The following directory structures and subfolders shall be used:

PRF\LPF\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD),
e.g.:PRF\LPF\01\012106\19921222

PRF\LPF\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)\ERD.
RSCs shall convert raw profiles to the *.ERD format and place these files in the ERD directory subfolder.

e.g.:PRF\LPF\01\012106\19921222\ERD

Transverse Profile (TPF)

For the transverse profile (TPF) subcategory, the following directory structure shall be used:

PRF\TPF\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)
e.g.:PRF\TPF\01\012106\19921222

WIM Site Profile (WSP)

For the WIM site profile (WSP) subcategory, the following directory structures and subfolders shall be used:

WSP\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)\ERD
WSP\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)\CENTER
WSP\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)\RIGHT
WSP\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)\LEFT

e.g.: PRF\WSP\01\012106\20051222\ERD
PRF\WSP\01\012106\20051222\CENTER
PRF\WSP\01\012106\20051222\RIGHT
PRF\WSP\01\012106\20051222\LEFT

Distress (DIS)

This data type includes two subcategories: Manual Distress Surveys/maps (MDM) and Photographic Distress Surveys (PDS). For each subcategory, there are two types of files: surveys (or maps) and photographs (or images). Collectively, these are as follows:

- 1) Manual distress maps (MDM);
- 2) Manual distress survey photos (MDP);
- 3) Photographic distress maps (PDM); and
- 4) Digitized 35 mm photographic distress film (PDP)

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The directory structure for each subcategory is as follows:

Manual distress maps (MDM) – includes MDM and MDP files;

DIS\MDM\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)

e.g.: DIS\MDM\24\241006\20010229

Photographic distress maps (PDM) – includes PDM and PDP files;

DIS\PDM\STATE_CODE\STATE_CODE+SHRP_ID\SURVEY_DATE (YYYYMMDD)

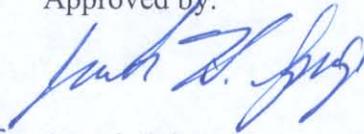
e.g.: DIS\PDM\24\241006\20010229

The Distress Review MS Access file from the DiVA output and the Distress Photo Survey MS Access metadata database table shall be stored in the root DIS directory.

Questions concerning this directive should be addressed to the FHWA LTPP Team member responsible for IMS operations, with a copy to the LTPP TSSC.

Prepared by: TSSC/FHWA

Approved by:



for Aramis López, Jr.
LTPP Program Manager