

# LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program



**Program Area: Monitoring**

**Directive Number: SM-19**

**Date: January 10, 1997**

**Supersedes: MOBFIELD v2.3**

**Subject: Upgrade of MOBFIELD Software to Version 2.4**

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MOBFIELD v2.4 software shall be installed and used on all computers being used to collect LTPP Seasonal Monitoring Program data in accordance with Directive SM-10: Use of ONSFIELD and MOBFIELD QC Programs. This version of MOBFIELD contains modifications to read and interpret measurements made using the CR10 Procedure Manager v4.\* on a check cable connected to the eleventh TDR sensor port. This will allow a check on the calibration of the Tektronix 1502B cable tester and operational status of the multiplexer boards in the Mobile Data Acquisition Unit (DAU). More specifically, the following modifications were made in this program version:

- The program will display the trace of a reference calibration cable connected to the eleventh TDR sensor port. The length of the cable is automatically interpreted by the program from this trace and is compared to its physical length. The results of the comparison are displayed; the user is warned if the two lengths do not agree within  $\pm 0.02$  m.
- A configuration file called MOBFIELD.CFG was added to store parameters used by the program for the reference cable length computations.

The operation of the MOBFIELD v2.4 software is described in the revised User's Guide.

MOBFIELD v2.4 will also operate on MOBILE data collected with earlier versions of the CR10 Procedure Manger.

Installation consists of copying the MOBFIELD.EXE and MOBFIELD.CFG files off the distribution diskette and into the appropriate directory (i.e. the directory which contains the CR10 Procedure Manager software); both of these files must be in the same directory for the program to run. A file named TESTDATA.MOB is also included on the distribution diskette which can be used verify program operation. After verification, the program is ready for use in the field to review and QC MOBILE data in accordance with LTPP Directive SM-10.

As always, if there are any questions concerning these modifications or any comments on the MOBFIELD program, please do not hesitate to call or submit a problem report form (SMPPR).

Prepared by: Aramis Lopez, Jr.

Approved by:

Monte Symons  
Team Leader, LTPP Operations