

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program



Program Area: Monitoring

Directive Number: SM-14

Date: April 8, 1996

Supersedes: SM-4

Subject: Monitoring of Instrumentation Area

The RCOC staff is responsible for surveying the instrumentation area (block/hole and trench) and recording distresses observed on Data Sheet SMP-M1. These surveys will be performed monthly during the first year after instrumentation installation and quarterly (every three months) in subsequent years. For survey purposes, the instrumentation area is defined as that area within 1.5 m (5 ft) of the instrumentation block/hole and trench. The LTPP Distress Identification Manual will be used to the extent possible for the identification and quantification of distresses; however, it is recognized that this manual will not cover some distresses resulting from disturbance of the pavement during installation of the instrumentation and subsequent repair.

The RCOC staff will also measure settlement of the pavement in the instrumentation area as part of the distress surveys. Four readings for the block/hole (at mid-point for each side of the block or at quarter points along the circumference of the hole) and two for the trench (at third points along the length of the trench) will be taken with a LTPP faultmeter and recorded on Data Sheet SMP-M1. If a LTPP faultmeter is not available, readings will be taken with a straightedge and metric ruler or tape. Photographs of the instrumentation area can also be taken to supplement the survey; however, this activity is left to the discretion of the RCOC.

Besides the survey results (sketch of distresses and settlement measurements), RCOC staff will provide a subjective rating of instrumentation area condition and list of repairs (type and extent) done since instrumentation installation and/or last survey on Data Sheet SMP-M1. Completed survey data sheets will be maintained at the respective RCOC office, where they should be readily accessible. Copies of these data sheets should only be sent to the FHWA LTPP Team when guidance on the need for and/or type of repair is required; however, the RCOCs should make every effort to work closely with the highway agencies to arrive at the best repair alternative and to decide when the repair should be done.

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Approved by:

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LTPP Seasonal Monitoring Program Data Sheet SMP-M1 (Page 2) Distress Survey of Instrumentation Area	Agency Code []
	Test Section Number []

Rate the condition of the instrumentation area (check one):

- _____ Good (little or no distress; repairs are not required in the immediate future)
- _____ Poor (significant distress, repairs required now or in the immediate future)

List any repairs (type and extent) done since instrumentation installation and/or last survey of instrumentation area: _____

Additional Comments: _____

Prepared by: _____ Employer: _____

Date: _____