

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program



Program Area: Monitoring

Directive Number: SM-4

Date: April 14, 1994

Supersedes: n/a

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 instrument 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 pavement in the instrumentation area as part of the distress surveys. Four readings for the block/hole (at mid-point for each side of 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 an LTPP faultmeter and recorded on Data Sheet SMP-M1. If an LTPP faultmeter is not available, readings will be taken with a straight-edge and metric ruler or tape. A 35mm color photograph (more if required) of the instrumentation area will also be taken to supplement each survey and subsequently attached to Data Sheet SMP-M1.

One copy of the completed Data Sheet SMP-M1 will be sent to the FHWA LTPP Division within one month after completion of each survey. Besides the survey results (sketch of distresses and settlement measurements), RCOC staff will provide a subjective rating of instrumentation area condition, list of repairs (type and extent) done since instrumentation installation and/or last survey, and a copy of color photograph(s) with this data sheet. (Note: date and time when photograph(s) was taken must be stamped or written on photograph(s)).

Prepared by: Aramis Lopez, Jr.

Approved by:

Paul Teng
Chief, LTPP Division

LTPP Seasonal Monitoring Program Data Sheet SMP-M1 (Page 2) Distress Survey of Instrumentation Area	Agency Code [] SHRP Section ID [] Survey Date [] / [] / []
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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 _____

PLEASE REMEMBER TO ATTACH COLOR PHOTOGRAPH(S) OF INSTRUMENTATION AREA TO THIS DATA SHEET.

Prepared by: _____ Employer: _____

Date: _____