

- (c) Profile data plots are in good agreement with those collected during previous site visits. This procedure provides a check on errors caused by incorrect subsectioning of SPS sites, incorrect labeling of sites, and incorrect start locations for profile data collection.

RCO Code = 2

A RCO Code of 2 shall be assigned to a profile run if any of the following features are identified in the data:

- (a) There is poor repeatability between the multiple profile runs, and operator comments do not indicate that this variability was caused by pavement features.

Note: It has been observed that the T-6600 profilers have poor repeatability on rough sections and on sections where the approach to the section is rough (e.g. patched core holes prior to section). On such sections, the data from multiple profiler runs are generally different from each other, with the operator having no comments regarding wheel path tracking problems. Although there are large differences in profile data, the IRI values from these runs are generally in good agreement with each other and may meet the PROQUAL IRI acceptance criteria. (This occurs because differences in profile data are caused by long wavelengths that do not contribute to the IRI.) Such profile runs shall be assigned a RCO Code of 2.

- (b) Spikes in profile

Notes:

1. If there are spikes in the profile data, and the operator comments indicate that the spikes are not pavement related, such data points shall be logically marked and the profile run shall be assigned a RCO code of 2.
2. It has been reported that the white pavement markings at the beginning and end of a test section as well as 30-m crosses that are in the wheel path can cause spikes in the profile data. In such cases, the spikes will generally occur at the indicated locations for the replicate runs. If operator indicates that these spikes are not explained by pavement features, such profile data points shall be logically marked and the profile run shall be assigned a RCO Code of 2.

RCO Code = 3

A RCO Code of 3 shall be assigned to a profile run if any of the following conditions are identified:

- (a) When compared to other profile runs collected during site visit, there is a large IRI difference which cannot be explained.
- (b) There are spikes in the profile data that are not explained by operator comments.

- (c) There are difference in the profile data when compared to other profile runs collected during site the visit, but differences cannot be explained by operator.
- (d) Profiler runs collected during site visit are repeatable, but they are different from those collected during previous site visits, and differences are identified to be caused by conditions at the time of testing (e.g., damp pavement). It should be noted that data collection at LTPP test sections should be performed on dry pavements. But there could be cases where data were collected on a damp surface due to existing circumstances.

Questions concerning this directive should be addressed to the FHWA LTPP staff member responsible for profiler operations.

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