

4.11 ENGINEERING JUDGMENT AND MUTCD REQUEST OPTIONS

The controlling federal document for designing roadway signage is the *Manual on Uniform Traffic Control Devices* (MUTCD), published by the Federal Highway Administration (FHWA). In some cases, deviations from the standards set forth in the MUTCD are allowed on the basis of engineering judgment.

The MUTCD contains two basic types of statements, Standard statements and Guidance statements. Standard statements contain the word “shall” and are considered mandatory. Guidance statements contain the word “should” and are considered suggestions. Under certain circumstances, a Project Engineer may deviate from a Standard statement based on engineering judgment.

However, deviations may be allowed only if the deviation is location or site-specific. For example, a Project Engineer may use engineering judgment to justify specifying narrower signs in the median of a specific portion of a project where signs of standard width would protrude into the travel lane. The Project Engineer would only need to document the reasons in the project files to justify the decision.

Any deviation using engineering judgment can affect only a specific area of the project; deviations from the MUTCD standard cannot be made on a project, corridor, area, or statewide basis. For example, a Project Engineer cannot use engineering judgment to justify using unique sign layouts on a corridor project, because the decision could have corridor, region, or statewide implications. Instead, to make changes on a project-wide basis, the Project Engineer could make use of one of the MUTCD requests:

1. Request for Interpretation
2. Request for Permission to Experiment
3. Request for Interim Approval
4. Request for Change

A request for interpretation involves asking FHWA to render an official opinion on the application and operation of standard traffic control devices, official meanings of standard traffic control devices, or the variations from standard device designs.

A request for permission to experiment involves asking FHWA's permission to field test or evaluate a new traffic control device, its application or manner of use, or a provision not specifically described in the MUTCD.

A request for interim approval involves asking FHWA for interim use, pending official rulemaking, of a new traffic control device, a revision to the application or manner of use of an existing traffic control device, or a provision not specifically described in the MUTCD. However, any other jurisdiction that desires to use a traffic control device for which FHWA has issued an interim approval must still request permission from FHWA.

A request for change involves asking FHWA to consider use of a new device to replace a present standard device, an additional device to be added to the list of standard devices, or a revision to a traffic control device application or placement criteria.

All requests must be submitted to the FHWA Office of Transportation Operations MUTCD team for consideration (see MUTCD Section 1A.10 for details). All CDOT requests should be developed with the assistance of the appropriate Region Traffic Engineer or the Staff Safety and Traffic Engineering Branch's Traffic Engineering Support / Specs & Standards Unit.

Requests submitted by local entities in Colorado do not require CDOT approval or involvement. However, FHWA does provide the CDOT Traffic Specifications & Standards Engineer with a copy of the local entity's request and FHWA's reply. CDOT Region personnel who become aware of a pending request by a local entity should inform the appropriate Region Traffic Engineer, as well as the State Traffic Engineer, to ensure CDOT is informed of the request.

Should you have any questions, or should you require assistance in submitting a request, contact the Safety and Traffic Engineering Branch.

Additional References:

1. *Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD)*