



Connecticut DOT

Bureau of Engineering and Construction

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## ENGINEERING & CONSTRUCTION DIRECTIVE

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### Update On Implementation of Smart Work Zones Guide and Smart Work Zone Determination Matrix

This Directive supersedes the Engineering and Construction Directive [ECD-2017-2 Implementation of Smart Work Zones Guide](#). Smart Work Zones (SWZ) are applications of temporary Intelligent Transportation Systems (ITS) technology in work zones, to increase safety and mobility. Through appropriate use of SWZ, the Department aims to improve safety for roadway users and work zone personnel, increase mobility within work zones, and reduce work zone traffic incidents.

The [Smart Work Zones Guide](#) presents the basic guidelines for the consistent and uniform usage of SWZ in the State of Connecticut. The Guide has been developed as a collaborative effort between the Bureau of Highway Operations (Highway Operations) and the Bureau of Engineering and Construction (Division of Traffic Engineering and Division of Construction Operations). It introduces SWZ concepts, components, goals, and objectives, as well as an overview of different SWZ applications to be used by the Department.

Project designers remain responsible for customizing and adapting this guidance to meet specific project needs, conditions, and context. The project designer is responsible for the initial evaluation regarding the need for a SWZ at the 60% Design Phase and shall prepare a Smart Work Zone Determination matrix to determine if a SWZ should be included. [Smart Work Zone Determination Matrix](#). The following types of projects are exempt and do not need to complete the SWZ matrix.

- Short duration projects less than 6 months
- Traffic signals, signing and pavement marking projects at various locations

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- Pavement patching, concrete sealer, bridge repairs at various locations
- Projects not located on a limited access highway

If it is determined that a SWZ should be included, the project designer shall contact the [SWZ Determination Committee](#) and submit the matrix for review and receive their recommendations for implementation.

For all projects where a SWZ will be included, the designer shall develop a separate SEAFORM submittal specifically for the SWZ applications found on the [Highway Operations](#) page.

The [Smart Work Zones Guide](#) is posted as a searchable pdf on the Department's web site.