



# INDIANA DEPARTMENT OF TRANSPORTATION

*Driving Indiana's Economic Growth*

## Design Memorandum No. 18-10 Technical Advisory

May 9, 2018

**TO:** All Design, Operations, and District Personnel, and Consultants

**FROM:** /s/ David H. Boruff  
David H. Boruff  
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Traffic Engineering Division

**SUBJECT:** Covering Conflicting Pavement Markings

**REVISES:** *Indiana Design Manual Section 83-4.01(03)*

**EFFECTIVE:** Lettings on or after December 1, 2018

On asphalt pavements, an option has been created to allow the use of removable black temporary tape to cover conflicting markings. The black temporary tape must be at least 1 inch wider (1/2 in. beyond each edge) than the marking to be covered.

When there are conflicting markings on asphalt pavement during a maintenance of traffic phase, designers should include a pay item for the appropriate width of temporary tape, Type I, in the contract documents. Direct questions regarding the use of black temporary tape to the Office of Traffic Administration Manager, Dave Boruff, at [dboruff@indot.in.gov](mailto:dboruff@indot.in.gov).

The revised IDM section is included for reference on the following page.

### **83-4.01(03) Temporary Pavement Marking Tape**

Temporary pavement-marking tape is an excellent material choice where there is a change to the traffic pattern during construction (e.g., crossover switch). Temporary tape can be easily and quickly installed and, if necessary, easily removed. Disadvantages of temporary tape are that it tends to move or break up under heavy traffic volume, and that it is not suitable for usage during the winter months. Temporary pavement-marking tape requires significant maintenance in comparison to temporary paint. The following describes the temporary pavement-marking tapes used by the Department.

1. Type I. Type I tape may be used as a temporary center line, lane line, or no-passing-zone line that is placed parallel to the normal pavement marking pattern, or as a temporary transverse marking or pavement-message marking. It should also be used where pavement markings are placed at an angle to the normal pavement-marking pattern (e.g., taper for lane closure, lane shift). Type I tape is a removable type of temporary pavement marking. When black Type I tape is used to cover conflicting markings, the width specified should be at least 1 in. wider than the existing marking to be covered.
2. Type II. Type II tape is used on a pavement which is expected to be removed or covered by additional pavement courses. It may be used as a center line, lane line, or edge line that is parallel to the normal pavement markings. It also may be used as a center line or lane line on a resurfacing overlay course. Type II tape is a non-removable type of temporary pavement marking.

### **83-4.02 Application**

The application of temporary pavement markings in a construction zone depends on facility type, project duration, project length, and anticipated traffic volume. The phasing of temporary traffic control during construction should be considered. The temporary pavement markings should be selected that are best suited to the anticipated conditions and are most economical for the project.

The removal of a removable temporary pavement marking is included in the Temporary Pavement Marking, Removable, pay item quantity. If permanent or temporary tape, type II, markings must be removed as part of the traffic-maintenance plan, a quantity for removal of these markings is required, or type I black temporary tape should be specified to cover the existing markings. Black temporary tape, type I, should be specified to temporarily cover conflicting markings where the pavement will not be replaced or resurfaced. When used, black temporary tape, type I, should be at least 1 inch wider than the existing marking to be covered. If non-removable temporary pavement markings are necessary on a final surface, the temporary markings should be placed as near as possible to the location of the final permanent pavement markings.