

## ***ENGINEERING DIRECTIVE***

Thomas F. Broderick, P.E. (signature on original)

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CHIEF ENGINEER

### **Section 850** **Traffic Controls for Construction and Maintenance Operations**

The purpose of this Engineering Directive is to introduce key revisions to Section 850 included in Division II of the *Supplemental Specifications to the Standard Specifications for Highways and Bridges*, dated June 15, 2012, for use in all construction and maintenance projects advertised after July 1, 2012. This Engineering Directive supersedes Engineering Directive E-02-003, Safety Controls for Construction Operations, dated June 26, 2002.

Some of the highlights of the changes made to Section 850 are as follows:

- Item 851 Safety Controls for Construction Operations has been eliminated. In place of it is new Item 851.1 Traffic Cones for Traffic Management. For estimating purposes, Designers must determine the number of days during which 50 or more cones will be used together in a string for purposes of closing a lane or redirecting traffic. Contractors will only be paid under this Item for using 50 or more cones in a string for purposes of closing a lane or redirecting traffic. The remainder of the work that was included under the previous Item 851 is now covered by other unit pay items. Designers must ensure that they include the estimated quantities for each traffic control pay item that will be needed to implement the Temporary Traffic Control Plans. Also, minimum cone heights have been increased to 36 inches. All projects active as of July 1, 2012 will be allowed to continue to use the 28-inch-tall cones, but all new projects are required to use the taller ones.
- Item 853.9 Temporary Illumination for Night Paving and Planing Operations has been eliminated. Lighting for paving and planing operations shall be incidental to the work with no separate payment item.
- Item 853.8 Temporary Illumination for Work Zone will require the Contractor to submit a lighting plan signed by a Professional Electrical Engineer for approval.
- Item 856.2 Radar Detector Activators has been eliminated. RDAs are now specified as incidental to Arrow Boards and Portable Changeable Message Signs. The industry standard is to include RDAs with this equipment, but field staff must inspect for this and ensure that the integral RDAs are functioning.

- Temporary Concrete Barrier on Bridge is now named Temporary Restrained Barrier to reflect the fact that restrained barrier is sometimes needed in applications other than on bridges.
- Clarification: Regarding payment for removing and resetting temporary barrier under Items 853.21 and 853.31, a payment will be made each time the barrier is stored and then again when it is returned from storage for use.
- Clarification: Item 854.1 Pavement Marking Removal is for removal of existing pavement markings. The removal of temporary pavement markings is part of the work done under the Temporary Pavement Markings items.