



**SPECIAL PROVISIONS  
FOR  
MOVABLE TEMPORARY TRAFFIC BARRIER**

**Linn County  
IMX-380-6(270)16--02-57**

**Effective Date  
March 19, 2013**

**THE STANDARD SPECIFICATIONS, SERIES 2012, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.**

**120033.01 DESCRIPTION.**

This work consists of furnishing, installing, maintaining, relocating, and removing Movable Temporary Traffic Barrier at the locations shown in the contract documents or as directed by the Engineer.

**120033.02 MATERIALS.**

- A.** Furnish Movable Temporary Traffic Barrier that:
  - 1. Is capable of being moved onto and off of the traveled portion of the roadway on a daily basis.
  - 2. Exhibits a dynamic deflection of less than 7.0 feet during NCHRP Report 350 Test 3-11 or AASHTO Manual for Assessing Safety Hardware (MASH) Test 3-11 for impacts into unanchored barrier sections.
  - 3. Is eligible for reimbursement under the Federal-aid highway program, as determined by FHWA's Office of Safety.
  
- B.** The following non-proprietary barriers will also be considered acceptable if the Contractor can demonstrate, to the satisfaction of the Engineer, the ability to move the barrier onto and off of the traveled portion of the roadway.
  - 1. Steel TBR (Standard Road Plan BA-400)
  - 2. Concrete TBR (Standard Road Plan BA-401)
  
- C.** If a proprietary barrier system is furnished, supply the Engineer with three copies of the manufacturer's current installation manual.

**120033.03 CONSTRUCTION.**

- A. Assemble, install, move, and maintain the barrier according to the manufacturer's specifications and the contract documents.
- B. Protect the approach end of the barrier at all times with a Temporary Crash Cushion.
- C. In order to maximize efficiency and minimize damage to bridge decks and pavement, it is intended that barrier located within the traveled portion of the roadway be anchored only at the ends, and only if necessary to limit deflections to less than 7.0 feet.
- D. Ensure crashworthiness of the barrier regardless of its placement on or off the traveled portion of the roadway.
- E. When located near drop-offs or fixed vertical objects, including bridge railings:
  - 1. For proprietary barriers, follow the offset and/or anchoring requirements of the manufacturer.
  - 2. For non-proprietary barriers, refer to the contract documents.
- F. Where anchoring of the barrier is necessary:
  - 1. For proprietary barriers, use a mechanical drop-in type anchor system recommended by the manufacturer that provides equal or greater strength than the anchor system used during crash testing. Adhesive/epoxy grouted anchor systems will not be allowed.
  - 2. For non-proprietary barriers, refer to the contract documents.
- G. Delineate the barrier as follows:
  - 1. For proprietary barriers, furnish barrier markers meeting the requirements of Article 4186.12 of the Standard Specifications. Use markers that match the color of the adjacent edge line. Attach the markers to the barrier every 20 feet in a manner approved by the barrier manufacturer.
  - 2. For non-proprietary barriers, refer to the contract documents.
- H. Repair any holes in the pavement and bridge deck resulting from anchoring of the barrier. Remove any steel to a depth of 2 inches below the riding surface, then blow the hole clean with compressed air. Fill the hole completely with an epoxy resin listed in Materials I.M. 491.19, Appendix A. Do not overfill. Follow the manufacturer's preparation, mixing, and application guidance. Complete repairs within 5 working days of barrier removal.

**120033.04 METHOD OF MEASUREMENT.**

The length of the barrier in place will be measured along the centerline of the barrier. The length measured will be the length required per setup. Measurement will also be made for the length of barrier added to an existing setup when required by the contract documents. Measurement after initial placement will not be made unless it is required by the contract documents to be moved to another traffic control location.

**120033.05 BASIS OF PAYMENT.**

Payment will be the contract unit price per linear foot. Maintenance and movement of the barrier will not be paid for separately, but will be included in the price bid for Movable Temporary Traffic Barrier.