

**SECTION 01422****W BEAM TRAFFIC BARRIER FOR MAINTENANCE OF TRAFFIC****01422.01 GENERAL****A. Description**

This work shall consist of furnishing, erecting, resetting, maintaining, and the removal of W beam traffic barrier for maintenance of traffic at locations indicated on the Traffic Control Plan (TCP) or as directed by the Engineer for protective measures while maintaining traffic during construction. The work shall include all required posts, cable, fixtures, and fastenings, beams, anchorages, and attachments, as well as the aligning, painting, and all work and incidentals necessary to satisfactorily complete the installation ready for traffic.

**B. Related Work Included Elsewhere**

1. Traffic control plan; Section 01411.
2. Traffic barriers; Section 02721.

**C. Quality Assurance**

The Engineer will inspect all materials before and/or after installation to ensure compliance with the Contract Documents.

**D. Submittals**

Shop drawings shall be submitted as specified in the "General Provisions" for all W beam, posts, and other hardware necessary and incidental to the installation of W beam traffic barriers.

**01422.02 MATERIALS****A. Materials Furnished by the County**

The County will not furnish any materials for W beam traffic barrier installation.

**B. Contractor's Options**

Not applicable.

**C. Detailed Material Requirements**

1. Steel posts, barrier W beams, and hardware for the traffic barrier shall be as specified in Section 02721.02.

2. Warning lights and/or reflectors shall be furnished in accordance with MUTCD and shall be approved by the Engineer before installation.

### **01422.03 EXECUTION**

#### **A. W Beam Traffic Barrier for Maintenance of Traffic**

The construction methods shall be in accordance with the applicable portion of Section 02721.03.

#### **B. W Beam Traffic Barrier for Maintenance of Traffic Replacement**

If damage occurs along any portion of the installed traffic barrier, the damaged section shall be immediately replaced. The work shall be accomplished in such a manner as to reflect the original horizontal and vertical alignments of the traffic barrier before damage.

#### **C. Warning Lights and Reflectors**

Warning lights and/or reflectors shall be installed on the temporary barrier with a spacing in feet not to exceed the speed limit in miles per hour.

#### **D. Reset W Beam Traffic Barrier for Maintenance of Traffic**

When construction work is sufficiently completed through a traffic control sector and the traffic barrier is no longer required, the traffic barrier and all components shall be removed and may be reset along a new construction area as required by the TCP or as directed by the Engineer. The previous traffic control sector shall be restored to its original condition, which may require grading, backfilling, compacting, seeding, sodding, mulching, paving, or shoulder restoration. Payment for restoration will be considered incidental to the appropriate items for temporary traffic barrier unless otherwise specified in the "Special Provisions".

### **01422.04 METHOD OF MEASUREMENT**

#### **A. W Beam Traffic Barrier for Maintenance of Traffic**

Measurement for W beam traffic barrier for maintenance of traffic will be made of the length of the barrier installed. Such measurement will be taken from end to end of the traffic barrier, including flared portions and/or special end sections. Measurements will be made along the outer centerface of the traffic barrier in place. When the Contract Documents require the attachment of W beam traffic barrier to concrete barriers or other rigid structures, the limit of measurement shall be the ends of the attached portion of the W beam traffic barrier.

**B. W Beam Traffic Barrier for Maintenance of Traffic - Replacement**

Measurement for replacement of W beam traffic barrier for maintenance of traffic will be made as described in Section 01422.04, Article A, with the exception that the limits of linear measurement will be to the ends of the newly attached W Beam traffic barrier.

**C. Reset W Beam Traffic Barrier for Maintenance of Traffic.**

Measurement for reset W beam traffic barrier for maintenance of traffic will be made as described in Section 01422.04, Article A.

**01422.05 BASIS OF PAYMENT**

**A. W Beam Traffic Barrier for Maintenance of Traffic**

Payment for W beam traffic barrier for maintenance of traffic will be made at the price bid per linear foot, including flared portions and/or special end sections. Payment will include furnishing and erecting of all materials, posts, brackets, W beam barrier, hardware, galvanizing, and all necessary equipment, excavation, driven posts, backfilling, concrete, connection to rigid structures, maintenance, and all tools, labor, and incidental work. The unit price bid shall include full compensation for maintenance, complete removal, and surface restoration when the traffic barrier is no longer required.

**B. W Beam Traffic Barrier for Maintenance of Traffic - Replacement**

Payment for replacement of W beam traffic barrier for maintenance of traffic will be made per linear foot. The price bid shall include removing damaged W beam barrier sections, posts, special end devices, disposal of all defective materials, and the replacement with W beam barrier. The price bid shall also include replacing all posts, brackets, W beam barrier hardware, equipment, and labor necessary to satisfactorily complete the work.

**C. Reset W Beam Traffic Barriers for Maintenance of Traffic.**

Payments for reset W beam traffic barrier for maintenance of traffic will be made in accordance with the basis of payment set forth in Section 01422.05, Article A.

**D. Warning Lights and/or Reflectors**

No separate payment will be made for warning lights and/or reflectors, but these items will be considered incidental to Temporary Concrete Barrier.

**E. Ownership of Removed Materials**

Traffic barrier for maintenance of traffic materials, including all associated hardware, fittings, posts, brackets, special end sections, and incidentals, when satisfactorily removed from the Project site, shall become the property of the Contractor.

END OF SECTION