

ITEM 634.10029825 - TRUCK-MOUNTED PORTABLE VARIABLE MESSAGE DISPLAY UNIT

1. DESCRIPTION:

- 1.01 Under this item the Contractor shall furnish, mount on protection vehicle, operate and maintain Variable Message Display Units as shown on the plans and/or as ordered by the Engineer. The display units are intended for use as temporary warning devices for lane and roadway closures, and for conveying information to motorists about the construction.

2. MATERIALS:

- 2.01 Variable Message Display Units shall meet the requirements of Sections 201.3 and 294.6 of Title 17, Chapter 5 of the State of New York Codes, Rules and Regulations, except for item 294.6(d)(3) and 294.6(d)(5). Each unit shall have a three line display with a minimum of eight (8), 12 inches high, characters per line. When mounted on the truck, the variable message display unit shall not overhang into an open lane. The unit shall have a programmable memory with self-contained keyboard control, and shall be capable of displaying a minimum of (3) messages in a cyclical sequence. The control console shall include a screen for the operator to preview message content, flash rate and message sequence.
- 2.02 Illumination intensity shall be automatically adjustable for various day and night time ambient conditions. Unit shall be truck-mounted for use on public highways in accordance with the NYS Vehicle and Traffic Law.

3. CONSTRUCTION DETAILS:

- 3.01 The Contractor shall furnish, install, operate, maintain and program truck-mounted portable variable message display units at the locations shown and for the usage indicated in the contract documents. When no specific use or location is indicated in the Contract Documents, the units shall be available on the project site for use as ordered by the Engineer. When in use, the units shall be set so that the base of the message display panel is at least seven (7) feet above the pavement surface and properly aligned to provide optimum viewing by approaching motorists.
- 3.02 When used in conjunction with a moveable lane closure, the vehicle shall travel approximately 1,500 feet in advance of the lane closure.
- 3.03 The Contractor shall be responsible for maintenance, repair and continuous operation of the display units until progress of work no longer requires their use, as determined by the Engineer.

4. METHOD OF MEASUREMENT:

- 4.01 Truck-Mounted Portable Variable Message Display Units will be measured as the number of Truck-Mounted Portable Variable Message Display Units furnished and maintained in accordance with the plans, specifications and as ordered by the Engineer.

5. BASIS OF PAYMENT:

- 5.01 The unit price shall include the cost of all labor, materials and equipment necessary to complete the work.
- 5.02 50% of the unit price shall be paid when each unit has been delivered to the project site and is operational; the balance shall be paid upon completion of the project.