

ITEM 619.0599--25 - LIGHTING FOR TEMPORARY CONCRETE BARRIER

1. DESCRIPTION:

- 1.01 The Contractor shall furnish, install, move and maintain lighting for temporary concrete barriers as shown on the plans or as ordered by the Engineer.

2. MATERIALS:

- 2.01 Lighting for temporary concrete barriers shall meet the requirements of this specification and shall be in accordance with the plans and the New York State Manual of Uniform Traffic Control Devices.
- 2.02 No materials or methods which will cause damage to the existing pavement or to the temporary concrete barrier shall be employed in the installation of the lighting system.
- 2.03 Steady burning barrier lights (whether powered by an electric power source or by a battery pack) shall emit a yellow light, and shall have a minimum beam candle power of two candles, maintained within a solid angle of 9° on each side of the vertical axis, and 5° above and 5° below the horizontal axis.

3. CONSTRUCTION DETAILS:

- 3.01 The Contractor shall furnish, install, move, and maintain lighting for temporary concrete barriers where and as indicated on the plans, in the New York State Manual of Uniform Traffic Control Devices, or as directed by the Engineer. The lights shall be spaced as shown on the plans or as directed by the Engineer.
- 3.02 Two circuits, both with steady-burning lights, shall be used. Adjacent lamps shall be on different circuits. Steady burning lights shall be powered by an electric power source or by a battery pack as indicated on the plans.
- 3.03 The hours for operations of steady burning lights shall be dusk to dawn. The Contractor shall also be responsible for turning on and operating the lights in the daytime (dawn to dusk) during periods of inclement weather such as snowfall, fog, etc. or when directed by the Engineer.

4. METHOD OF MEASUREMENT:

- 4.01 Lighting for temporary concrete barriers (powered by electric power or battery source) will be computed for payment by the number of feet of concrete barrier actually lighted. Measurement shall be made along the centerline of the uppermost surface of the temporary concrete barrier. Should a concrete barrier be moved to a new location, the Contractor will be entitled to payment for the lighted barrier at the new location. A new location is defined as the removal of the temporary concrete lighted barrier from the right side of the road to the left side of the road (or vice versa), the removal of the temporary concrete lighted barrier to the other side of the road (opposite direction of traffic), or the removal of the temporary concrete lighted barrier to a new bridge location. Movements of the temporary concrete lighted barrier to maintain, realign, or replace damaged unit will not be considered as a removal to a new location, and the Contractor will not be entitled to payment for the movement.

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5. BASIS OF PAYMENT:

- 5.01 The unit price bid per feet shall include the cost of furnishing all materials, power, labor, and equipment necessary to light temporary concrete barriers.
- 5.02 After installation and demonstration of satisfactory operation, payment will be made for seventy-five (75) percent of the quantity of barrier lighting furnished and installed in accordance with contract requirements. The remaining twenty-five (25) percent will be paid upon removal.