

VEHICLE SIGNAL HEADS, LED

**\*\*From St. Johnsbury-Lyndon STP 2936(1)**

- xx. DESCRIPTION. This work shall consist of removing existing signal heads, furnishing and installing light-emitting diode (LED) signal heads, including mounting equipment, signal cable, and electronic signage at the locations indicated in the Plans and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Section 678 of the Standard Specifications.

- xx. GENERAL REQUIREMENTS. The Contractor shall submit Fabrication Drawings in accordance with Section 105.

All associated electrical work performed and all materials installed shall be subject to inspection and approval of the State or Municipal Electrical Inspector, whichever is applicable. As a minimum, all work must meet the requirements of the National Electrical Code (NEC) and the National Electrical Safety Code (NESC).

- xx. MATERIALS AND EQUIPMENT. Materials and equipment shall meet all requirements of the Plans and Section 678. Additional material required includes all equipment as shown on the Plans.

- xx. CONSTRUCTION REQUIREMENTS. All existing signal head lights shall be replaced with new LED signal heads. All existing vehicle signal heads and mounting equipment replaced shall be returned to the appropriate municipality.

For the signal equipment in St. Johnsbury the Contractor shall contact Public Works Director Hugh Wescott [Tel.: (802)748-4408] to coordinate the delivery of these items to the Town facility located at 6 Alms Road in St. Johnsbury. For the flashing beacon equipment in Lyndonville, the Contractor shall contact Public Works Supervisor Tim Hooker [Tel.: (802)535-2936] to coordinate the details of delivery.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Vehicle Signal Heads, LED) to be measured for payment will be the number of each intersection with signal heads removed and installed in the complete and accepted work.

- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Vehicle Signal Head, LED) will be paid for at the Contract unit price per each at each designated intersection. Payment will be full compensation for removing existing signal components, including signal head, mounting equipment, and signal cable; and for furnishing, handling, and placing all materials and equipment specified in the Contract Documents not otherwise paid for under other Contract items. At the discretion of the Engineer, the Contractor may be required to replace poles and cabinet/controllers that are lost or damaged due to an accident. If required, such work will be considered Extra Work under Subsection 109.06 and additional payment will be allowed. Any equipment that is defective or damaged prior to the beginning of the Contract shall be maintained in at least as good condition, until it is replaced as part of the Contract.

Payment will be under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.620 Special Provision (Vehicle Signal Heads, LED) (Main Route @ Side Road)	Each