

TEMPORARY TRAFFIC SIGNAL SYSTEM, PORTABLE

****From Bridgewater BF MEMB(34)**

- xx. DESCRIPTION. This work shall consist of furnishing and installing a portable temporary traffic control signal system(s) at the location(s) 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. Acceptable temporary traffic signal systems shall meet the following requirements:

- (a) Compliant with MUTCD.
- (b) Compliant with AASHTO 80 MPH wind load requirements.
- (c) Defined as a minimum of two portable units as detailed in the Contract Documents, each mounted on a trailer, with one unit located at each end of the one-way travel lane restriction.
- (d) Power Supply to Signals.
 - (1) Solar power with batteries.
 - (2) Operable for over 20 days without solar power.
 - (3) Batteries housed and secured within steel lock down box.
- (e) Two signal heads per unit with one signal head located over approach lane and other signal head located on trailer base.
 - (1) Signal head over approach lane shall have a 16'-6" minimum vertical clearance to the roadway surface.
- (f) Signals.
 - (1) Light Emitting Diodes (LED).
 - (2) Red, yellow, and green lights.
 - (3) 12 inch diameter.
 - (4) 10 inch minimum visor over each signal with black background.
- (g) Conflict monitor or malfunction management unit.
- (h) The unit shall include long range microwave or video sensor vehicle detection including signal preemption for emergency vehicles.

40. **MANUFACTURERS.** The following manufacturers are capable of supplying a portable temporary traffic control signal system that meets the requirements of these specifications:

Horizon Signal Technologies
5 Corporate Blvd.
Reading, PA 19608
Product: "SQ3TS System Trailer Towable Portable Traffic Signal with Solar Assist"
Tel.: 800-852-8796; Fax: (610)743-5188
Website: www.horizonsignal.com
Local Distributor:
Northeast Traffic Control
8 Scobee Circle
Plymouth, MA 02360
Tel.: (508)746-4450

North America Traffic, Inc.
7 Petersburg Circle
Port Colborne, ON
L3K 5V5
Canada
Product: "PTL 2.4x Portable Traffic Signal"
Tel.: (877)352-4626
Fax: (905)835-0453
Website: www.northamericatraffic.com
Local distributor:
Pittsford Traffic & Radar
46 Sturbridge Lane
Pittsford, NY 14534
Tel.: (585)267-4701
Fax: (585)747-1063

OMJC Signal, Inc.
403 Chestnut Street
Waterloo, IA 50703
Product: "OMJC Pop-Up Heavy Duty Autonomous Traffic Systems with 9-15 Foot Adjustable Arm"
Tel.: (800)776-5999
Fax: (319)236-1554
Website: www.omjcsignal.com
Contact: Keith Niehaus, Vice President
e-mail: keith@omjsignal.com

Tower Sign and Signal, Inc.
24838 Hettick Scottville Rd.
Hettick, IL 62649
Product: "Portable Traffic Signal - SX7500"
Website: www.portabletrafficsignalstss.com
Tel.: (818)778-5250
Contact: Willie Urish
Cell: (217)741-6593
Office: (818)778-5250
Fax: (618)778-2190
e-mail: Willie@tower signalsignal.com

Requests for substitutions for the above shall be submitted to the Agency's Office of Contract Administration a minimum of 10 days in advance of the bid opening date. Substitutions for the above after award shall be approved by the Agency's Project Manager.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Temporary Traffic Signal System, Portable) to be measured for payment will be the number of each system installed in the complete and accepted work, maintained during construction, and then removed from the project when the Engineer determined it was no longer required.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Temporary Traffic Signal System, Portable) will be paid for at the Contract unit price per each. Payment will include the set up and removal of trailer and trailer poles, signal heads, controller and cabinet, luminaires, power source, and all other materials necessary for a fully operational portable temporary traffic signal system complete in place.

Payment will be made as follows:

- (a) When the entire system has been set up at a site (including signing and pavement markings) and working for 24 hours to the satisfaction of the Engineer, 50 percent of the Contract unit price will be paid.
- (b) When 30 days from the date of installation have elapsed or work is complete, whichever is sooner, an additional 30 percent of the Contract unit price will be paid.
- (c) Upon complete removal of the system from the site and restoration of disturbed areas, the remaining 20 percent of the Contract unit price will be paid.

No additional payment will be made for moving, relocating, or resetting portable temporary signal system components either as directed by the Engineer or for the convenience of the Contractor.

Payment for temporary signs, sign posts, and pavement markings will be made separately under the appropriate Contract items.

Payment will be under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.620 Special Provision (Temporary Traffic Signal System, Portable)	Each