DESCRIPTION:

Under this item, the contractor shall program, test and install Microcomputer Controllers (Model 2070), as supplied by the NYSDOT, at signal locations not owned by NYSDOT, shown on the contract plans or as directed by the Engineer. The State shall supply the microcomputers complete with firmware and interfaces consistent with ASC and TSP functionality as well as remote communications capabilities. The Contractor shall coordinate with the Systems Integrator for installation of existing timings and for further configuration and programming of the microcomputers in accordance with parameters provided/approved by the State prior to ASC and TSP deployment. In addition, the Contractor shall coordinate with the Systems Integrator for installation of proposed timings.

MATERIALS:

The microcomputers shall be furnished with the latest State’s approved firmware installed and no additional firmware shall be required for ASC or TSP deployment. The current firmware is Naztec Version 76 as supplied by Trafficware Inc. The Contractor shall install the microcomputers in existing State approved Model 330/330SR cabinets or in newly installed cabinets (Model 330/330SR) specified under a separate contract item.

CONSTRUCTION DETAILS

1. The Contractor's request for delivery of the Microcomputer Controllers shall be made, in writing, five weeks in advance, to the Engineer. The Microcomputer Controllers shall be delivered to the Contractor at the Regional Signal Shop. The Engineer will advise the Contractor of the location of the Regional Signal Shop. At least one week in advance of delivery, the Contractor shall make an appointment through the Engineer as to the time and date the Microcomputer Controllers shall be available to the Contractor.

2. The State shall prepare and deliver to the Contractor any additional ASC and TSP operational parameters for each microcomputer installation upon request from the Contractor via the Engineer. These additional parameters may be in the form of timing sheets and/or other suitable format. The Contractor shall be responsible for the programming and functional testing of the microcomputers upon receipt of the ASC and TSP parameters.

3. All testing procedures shall be performed to the satisfaction of the project’s Systems Integrator and/or the NYSDOT and shall be coordinated via the Engineer.

4. The Contractor shall install the Microcomputer Controllers as shown on the contract plans, or as directed by the Engineer. Where the installation constitutes the replacement of an existing controller, the Contractor shall ensure the safe passage of traffic throughout the installation process.

5. All equipment, i.e. existing controllers and any associated appurtenances, removed as a result of the installation shall be delivered to the Region Signal Shop under the direction of the engineer.
ITEM 680.80210308 – PROGRAM AND INSTALL STATE SUPPLIED MICROCOMPUTER CONTROLLERS (MODEL 2070, NON-NYSDOT OWNED SIGNALS)

METHOD OF MEASUREMENT:

This work will be measured as the number of Microcomputer Controllers installed in accordance with the contract plans, specifications and directions from the Engineer.

BASIS OF PAYMENT:

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.