

EXPECTED IMPLEMENTATION JULY 2022

SIGNAL PRIORITY AND PREEMPTION SYSTEMS

(REV 1-26-22) (FA 1-26-22) (7-22)

SECTION 663 is deleted and the following substituted:

663-1 Description.

Furnish and install a signal priority and preemption system as shown in the Plans. The signal preemption system must recognize and respond to the priority of each user. Meet the requirements of Section 603.

663-2 Materials.

Use signal priority and preemption system equipment that meet the requirements of Section 995 and are listed on the Department's Approved Product List (APL). Ensure that all materials furnished, assembled, fabricated or installed are new products.

Signal priority and preemption system equipment may utilize optical, GPS, and radio frequency based technologies.

Ensure that in-vehicle equipment operates without requiring any action from the vehicle operator or occupants once power is applied.

663-3 Installation.

Installation of materials must be in accordance with the manufacturer's instructions. Install the emergency preemption system including installation of detectors with all necessary hardware and software, mounting hardware, cabling, and all other associated electronics in cabinet necessary to create a fully functional emergency preemption system.

Ensure that status indicators remain unobstructed and visible.

663-4 Field Testing.

Subject the system to field acceptance tests (FATs). Develop and submit a test plan for FATs to the Engineer for approval. The Engineer reserves the right to witness all FATs.

663-5 Warranty.

Ensure that the manufacturer will furnish replacements for any part or equipment found to be defective during the warranty period at no cost to the Department or the maintaining agency within 10 calendar days of notification.

Ensure that the priority and preemption system has a manufacturer's warranty covering defects for five years.

663-6 Method of Measurement.

The Contract unit price for each signal priority and preemption system, furnished and installed, will include furnishing, placement, and testing of all equipment and materials, and for all tools, labor, hardware, operational software packages and firmware, supplies, support, personnel training, shop drawings, documentation, and incidentals necessary to complete the work.

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663-7 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section.

Payment will be made under:

Item No. 663- 1- Signal Priority and Preemption System

