

6630000 SIGNAL PRIORITY AND PREEMPTION SYSTEMS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Lisa A. Wichser
772-223-7945
lwichser@martin.fl.us

Comment: (12-9-13) Concerning Signal Priority and Preemption: In section 663-3, it states, “Ensure that the priority and preemption system does not terminate an active pedestrian clearance interval.”

This note would NOT be valid at certain types of preemption locations (ex. Railroad preemption) where it is required to preempt immediately and does cause termination of pedestrian clearance interval. If this type of preemption system is only referring to vehicle-type preemption, then language should be inserted to specify this.

Response: There is ample criteria and guidance provided in documents such as the MUTCD, the Florida Intersection Design Guide, and the FHWA Railroad-Highway Grade Crossing Handbook regarding signal timing, termination, preemption and other aspects of intersection design and controller programming requirements.

Upon further consideration, this text has been removed since it is but one of many site/project/design-specific considerations that must be addressed in the engineering and implementation of signal timing/preemption plans. Specific use cases and rules for design and operation of specific intersections (ultimately implemented through configurations in the traffic controller) are better addressed elsewhere and they are also outside the intended scope of this specification. Change made.

Anonymous

Comment: (12-23-13)

663-1 Description: Add the highlighted text.

663-1 Description.

*Furnish and install a signal priority and preemption system as shown in the plans. The system must activate traffic signal controller priority and preemption **circuity 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.*

Response: The first sentence of 663-1, the remaining content of the specification, and overall contract documents should be sufficient to require that preemption plans and controller responses be implemented such that the system functionality required is provided. Second sentence removed from draft. Change Made.

663-2.1.3 Configuration and Management:

Shouldn't the system also record the unique accessor ID, time, date, etc. of configuration alterations or data reading access?

663-2.1.3 Configuration and Management: *The system must allow authorized local and remote users to set and read all user-programmable features and retrieve data collected by the system. The manufacturer must provide computer software required to configure, operate, and maintain the system at no additional cost to the Department.*

Response: Security and system logging features vary. Additional and alternate security mechanisms and access reporting are also possible with existing systems. Therefore, explicit requirements that the system maintain access logs is not included as a minimum requirement at this time. No Change Made.

3. 663-5 Method of Measurement:

The text “personnel training” is not discussed in 603 or 663.

663-5 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.*

Response: This standard language is used throughout the specifications to allow training on fundamental operation and maintenance of equipment provided, as required, to be considered incidental to the cost of the item. No Change Made.
