611 ACCEPTANCE OF SIGNAL INSTALLATIONS.
(REV 4-5-02) (FA 5-22-02) (1-03)

ARTICLE 611-2 (Page 717) is expanded as follows:

611-2.3 As-Built Drawings: As a condition precedent to acceptance under 611-2.1 or 611-2.2, furnish as-built drawings of all signal installations in accordance with the following requirements:

611-2.3.1 Submittal Requirements: Submit three sets of as-built plans for review by the Engineer on 24 by 36 inches standard sheets created from reproductions of the original 11 by 17 inch plan sheets that have been enlarged to 200 %. Record all as-built information using block lettering or typed text to ensure legibility. Signing and pavement marking plan sheets may be used instead of signalization plan sheets, if a substantial number of changes from the original signalization plans must be recorded. Make any corrections resulting from the Engineer's review, and resubmit three sets of the completed as-built plans as a condition precedent to acceptance of the installation.

611-2.3.2 Components: Include as-built information for all components of the signal installation. As a minimum, identify the following components in the format indicated below.

611-2.3.2.1 Conduit and Cable: Identify all conduit and cable with unique linestyles for routing (overhead, conduit, saw cut, etc.) that are clearly identified in a legend on each sheet. Identify the type of cable (i.e., 7 conductor signal cable) and label the number of conductors, fiber strands or other identifying features of the cable. For conduit, clearly note conduit size and number of runs.

611-2.3.2.2 Loops: Identify the location of all installed loops (including the distance from the stop bar for the advance loops), the path of each loop to the pull box, the loop window and the path of the loop lead-in to the controller cabinet.

611-2.3.2.3 Pull Boxes: Label unused and out of service pull boxes clearly. Show dimensions for each pull box from the nearest edgeline and stop bar. If an edgeline is not near a pull box or would not clearly identify its location; a fixed monument may be used (i.e. signal pole).

611-2.3.2.4 Poles: Locate Poles from the nearest edgeline of both approaches. If an edgeline is not near a pole or would not clearly identify its location, a fixed monument may be used.

611-2.3.2.5 Signal Heads: Locate all signal heads with respect to the pavement markings. Each signal head shall be identified by its corresponding movement number.

611-2.3.2.6 Cabinet: Clearly locate the cabinet. The type of cabinet and controller manufacturer along with the model number shall be provided. A cabinet corner "blow up" shall be provided detailing pull box locations with all conduit and cable per 611-2.3.2.1 and 611-2.3.2.3.

611-2.3.2.7 Preemption: Clearly locate all preemption equipment. The type of preemption equipment and the manufacturer along with the model number shall be provided. Additionally, the type of communication medium (i.e. closed loop) shall be identified. Any underground conduit and cable as well as pull boxes shall be per 611-2.3.2.1 and 611-2.3.2.3.

611-2.3.4 Compensation: All costs involved with providing as-built plans is incidental to the other items of work associated with traffic signals.

611-2.4 Installation Inspection Requirements: Provide an inspector trained and certified by the International Municipal Signal Association (IMSA) as a Traffic Signal Inspector

to perform all signal installation inspections. Use only Department approved signal inspection report forms during the signal inspection activities. Ensure all equipment, materials, and hardware are in compliance with Department Specifications and verify that all equipment requiring certification is listed on the Department's Approved Product List (APL). Provide the completed signal inspection report form(s), certified by the IMSA Traffic Signal Inspector to the Engineer.

The Department's approved inspection report forms are available at the following URL: www11.myflorida.com/trafficoperations/ .