EXPECTED IMPLEMENTATION JULY 2009

DRAFT

786 INTELLIGENT TRANSPORTATION SYSTEMS – VEHICLE DETECTION AND DATA COLLECTION.
(REV 12-1-08) (FA 1-26-09) (7-09)

SUBARTICLE 786-2.5.2 (of the Supplemental Specifications) is deleted and following substituted:

786-2.5.2 Wind Loads: Ensure that the detection system, mounting hardware, and any related material that is exposed to the environment can withstand 150 mph wind speeds and meet the requirements of the Structures Manual, Volume 9.

ARTICLE 786-4 (of the Supplemental Specifications) is deleted and following substituted:

786-4 Installation.

Install, configure and demonstrate a fully functional vehicle detection system, as shown in the plans. Connect all field hardware and TMC components to the existing communication network, and provide all materials specified in the Contract Documents. Install all equipment according to the manufacturer's recommendations or as directed by the Engineer.

Ensure that the MVDS, the VVDS and AVDS can be mounted on existing poles or sign structures, or on new poles, for a side-fire configuration. Utilize prestressed concrete or steel poles that comply with Section 641, Section 649, or 785-3, as appropriate. The support structure and network communication infrastructure shall be paid for under separate pay items.

SUBARTICLE 786-10.3 (of the Supplemental Specifications) is deleted and following substituted:

786-10.3 Installation of AVDS: Verify that the acoustic detector setback distance and mounting height for the side-fire mounted configuration is set to produce the required detection accuracy from the lanes that need to be covered, according to the manufacturer's recommendations. A 25- to 40-foot mounting height shall produce the degree of accuracy these specifications require. From a side-fire mounted position, taking into account the necessary clear zone, the detector's required location for the production of data to the specified accuracy shall not exceed 40 feet.

Ensure that the acoustic detector is programmed so all lanes have detection zones generating data that meets the accuracy specifications.