

EXPECTED IMPLEMENTATION JULY 2009

781 INTELLIGENT TRANSPORTATION SYSTEMS–MOTORIST INFORMATION SYSTEMS – FOUNDATION AND TOWER SPECIFICATIONS. **(REV 5-6-08) (FA 10-14-08) (7-09)**

SUBARTICLE 781-5.2.9 (of the Supplemental Specifications) is deleted and the following substituted:

781-5.2.9 Foundation and Tower Specifications: Provide a supporting tower or pole that provides a mounting platform for atmospheric sensors free of influences from topography, buildings, and vehicles. Ensure that the tower also supports any lightning protection devices (e.g., grounding rods) for the site. Mount the atmospheric sensors on a hinged, 33-foot tower. Use a tower having a hinge approximately 10 feet above ground for access to the atmospheric sensors.

Provide a support structure that is self-supporting without guy wires, using a 50-year design life, and in accordance with the current Structures Manual. Ensure that the structure is made of 6061-T6 corrosion-resistant aluminum or an equivalent. Ensure that all hardware and fasteners are stainless steel.

If the field site is solar powered, ensure that the structure provides the mounting platform for the solar array and the control cabinet that houses the battery bank and charger.

Place a concrete work pad measuring 4 feet wide by 3 feet long by 4 inches deep in front of the RPU control cabinet if the cabinet is ground mounted. Construct the pad using concrete meeting the requirements of Section 347.