Florida Department of Transportation

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GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

October 6, 2008

Dr. Leslie McCarthy, PhD, P.E.
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 781
Proposed Specification: 7810502 - Intelligent Transportation Systems-Motorist Information Systems-Foundation and Tower Specifications

Dear Dr. McCarthy:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

This change was proposed by Tom Malerk of the State Materials Office to reclassify Class I nonstructural concrete to Class NS to eliminate confusion between Class I Nonstructural and Class I Structural Concrete.

Please review and transmit your comments, if any, within four weeks. Comments should be sent via Email to ST986RP or rudy.powell@dot.state.fl.us.

If you have any questions relating to this specification change, please call Rudy Powell, State Specifications Engineer at 414-4110.

Sincerely,

Rudy Powell, Jr., P.E.
State Specifications Engineer

RP/sh
Attachment
cc: Gregory Jones, Chief Civil Litigation
Florida Transportation Builders' Assoc.
State Construction Engineer

INTELLIGENT TRANSPORTATION SYSTEMS–MOTORIST INFORMATION SYSTEMS – FOUNDATION AND TOWER SPECIFICATIONS.
(REV 5-6-08)

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. ~~The pad shall conform to specifications for nonstructural Portland cement as detailed in Section 347.~~*Construct the pad using concrete meeting the requirements of Section 347.*

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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.