

## 10 Materials and Literature Review

During the writing of this technical issue paper, numerous documents were reviewed for guidance and reference. These references included:

### **FEDERAL AND STATE RESOURCES**

- **Federal Highway Administration (FHWA) 23 Code of Federal Regulations Parts (CFR) 655 and 940.** Entitled “Intelligent Transportation Systems (ITS) Architecture and Standards, also known as FHWA Rule 940/FTA Policy
- **Stewardship and Federal-Aid Agreement Documents.** Various State Agencies.
- **National ITS Architecture Version 5.1.**
- **Regional ITS Architecture Guidance - Developing, Using and Maintaining an ITS Architecture For Your Region.** Dated October 21, 2001.

### **NEW YORK STATE RESOURCES**

- **NYSDOT Region 5 and Region 11 Regional ITS Architectures.**
- **NYSDOT Region 11 – Systems Engineering Analysis and DMS Specification.** Performed for the Western Queens Long Island Expressway Project, P.I.N. X228.65.
- **NITTEC Region 5 DMS Specification.** From NYSTA Contract D212922, Design of ITS in the Buffalo/Niagara Falls/Southern Ontario Region – Task 3 - Phase 3 Western New York ATMS Expansion.
- **NYSDOT Highway Design Manual.** Revision 44, Chapter 21 – Contract Plans, Specifications and Estimates.
- **NYSDOT Project Development Manual.** Version EB05-007, dated January 20, 2005. Including Appendix 6 on ITS Project Scoping.
- **NYSDOT IIMS Example Messages.** Review of IIMS IEEE1512 Messages.

### **ITS STANDARDS RESOURCES**

- **NTCIP (National Transportation Communications for ITS Protocol) Guide.** Version 3.
- **NTCIP Case Studies.** Includes NTCIP 9002 to 9009.
- **NTCIP Standards.** In particular, NTCIP 1201, 1203, 2306 and 9010, used in example materials in the appendices.

- **ITE/AASHTO TMDD/MSETMCC Standard.** Advanced Traffic Management Systems Message Set and Data Dictionary.
- **IEEE 1512 Guide.** Guidance document for deployers of the IEEE 1512 Family of Standards.
- **IEEE 1512 Standards.** Incident Management Standard, in particular, IEEE 1512 BASE, .1, and .3.
- **IEEE 1609 Standards.** Standards related to WAVE/DSRC.
- **SAE-J2354 Standard.** Advanced Traveler Information System Message Set.

#### **OTHER RESOURCES**

- **AZTech Center-to-Center Specification.** A TMDD-based center-to-center communications specification.
- **RIITS Web Site.** A TMDD-based center based communications specification for Southern California.
- **Texas Transportation Institute ITS Test Lab Web Site.** Contains device testing information as relates to device testing, including: test tool evaluations, test scripts, and certification testing.