Federal Highway Administration, DOT

§ 511.311

minutes or less from the time that the incident is verified for highways outside of Metropolitan Areas. For roadways within Metropolitan Areas, the timeliness for the availability of information related to roadway or lane blocking traffic incidents will be 10 minutes or less from the time that the incident is verified.

(3) Roadway weather observations. The timeliness for the availability of information about hazardous driving conditions and roadway or lane closures or blockages because of adverse weather conditions will be 20 minutes or less from the time the hazardous conditions, blockage, or closure is observed.

(4) Travel time information. The timeliness for the availability of travel time information along limited access roadway segments within Metropolitan Areas, as defined under this subpart, will be 10 minutes or less from the time that the travel time calculation is completed.

(5) Information accuracy. The designed accuracy for a real-time information program shall be 85 percent accurate at a minimum, or have a maximum error rate of 15 percent.

(6) Information availability. The designed availability for a real-time information program shall be 90 percent available at a minimum.

(b) Real-time information programs may be established using legacy monitoring mechanisms applied to the highways, using a statewide incident reporting system, using new monitoring mechanisms applied to the highways, using value-added information products, or using a combination of monitoring mechanisms and value-added information products.

§ 511.311 Real-time information program establishment.

(a) Requirement. States shall establish real-time information programs that are consistent with the parameters defined under §511.309. The real-time information program shall be established to take advantage of the existing traffic and travel condition monitoring capabilities, and build upon them where applicable. The real-time information program shall include traffic and travel condition information for, as a minimum, all the Interstate highways operated by the State. In addition, the real-time information program shall complement current transportation performance reporting systems by making it easier to gather or enhance required information.

(b) Data quality. States shall develop the methods by which data quality can be ensured to the data consumers. The criteria for defining the validity of traffic and travel conditions made available from real-time information programs shall be established by the States in collaboration with their partners for establishing the programs. States shall receive FHWA's concurrence that the selected methods provide reasonable checks of the quality of the information made available by the real-time information program. In requesting FHWA's concurrence, the State shall demonstrate to FHWA how the selected methods gauge the accuracy and availability of the real-time information and the remedial actions if the information quality falls below the levels described in §511.309(a)(5) and §511.309(a)(6).

(c) Participation. The establishment, or the enhancement, of a real-time information program should include participation from the following agencies: Highway agencies; public safety agencies (e.g., police, fire, emergency/medical); transit operators; and other operating agencies necessary to sustain mobility through the region and/or the metropolitan area. Nothing in this subpart is intended to alter the existing relationships among State, regional, and local agencies.

(d) Update of Regional ITS Architecture. All States and regions that have created a Regional ITS Architecture in accordance with Section 940 in Title 23 CFR shall evaluate their Regional ITS Architectures to determine whether the Regional ITS Architectures explicitly address real-time highway and transit information needs and the methods needed to meet such needs. Traffic and travel conditions monitoring needs for all Interstate system highways shall be considered. If necessary, the Regional ITS Architectures shall be updated to address coverage, monitoring systems, data fusion and archiving, and accessibility to highway and transit information for other
§ 511.313 Metropolitan Area real-time information program supplement.

(a) Applicability. Metropolitan Areas as defined under this subpart.

(b) Requirement. Metropolitan Areas shall establish a real-time information program for traffic and travel conditions reporting with the same provisions described in §511.311.

(c) Routes of significance. States shall designate metropolitan areas, non-Interstate highways that are routes of significance as defined under this subpart. In identifying the metropolitan routes of significance, States shall collaborate with local or regional agencies using existing coordination methods. Nothing in this subpart is intended to alter the existing relationships among State, regional, and local agencies.

(d) Effective date. Establishment of the real-time information program for traffic and travel conditions reporting along the Metropolitan Area Interstate system highways shall be completed no later than November 8, 2014. Establishment of the real-time information program for traffic and travel conditions reporting along the State-designated metropolitan area routes of significance shall be completed no later than November 8, 2016.

§ 511.315 Program administration.

Compliance with this subpart will be monitored under Federal-aid oversight procedures as provided under 23 U.S.C. 106 and 133, 23 CFR 1.36, and 23 CFR 940.13.