

selecting the implementation of strategies that provide the most efficient and effective use of existing and future transportation facilities.

(c) In addition to the requirements provided in §971.204, the CMS must meet the following requirements:

(1) For those FH transportation systems that require a CMS, in both metropolitan and non-metropolitan areas, consideration shall be given to strategies that reduce private automobile travel and improve existing transportation efficiency. Approaches may include the use of alternative mode studies and implementation plans as components of the CMS.

(2) A CMS will:

- (i) Identify and document measures for congestion (e.g., level of service);
- (ii) Identify the causes of congestion;
- (iii) Include processes for evaluating the cost and effectiveness of alternative strategies to manage congestion;
- (iv) Identify the anticipated benefits of appropriate alternative traditional and nontraditional congestion management strategies;
- (v) Determine methods to monitor and evaluate the performance of the multi-modal transportation system; and
- (vi) Appropriately consider the following example categories of strategies, or combinations of strategies for each area:
  - (A) Transportation demand management measures;
  - (B) Traffic operational improvements;
  - (C) Public transportation improvements;
  - (D) ITS technologies; and
  - (E) Additional system capacity.

## PART 972—FISH AND WILDLIFE SERVICE MANAGEMENT SYSTEMS

### Subpart A—Definitions

Sec.

972.100 Purpose.

972.102 Applicability.

972.104 Definitions.

### Subpart B—Fish and Wildlife Service Management Systems

972.200 Purpose.

972.202 Applicability.

- 972.204 Management systems requirements.
- 972.206 Funds for establishment, development, and implementation of the systems.
- 972.208 Federal lands pavement management system (PMS).
- 972.210 Federal lands bridge management system (BMS).
- 972.212 Federal lands safety management system (SMS).
- 972.214 Federal lands congestion management system (CMS).

AUTHORITY: 23 U.S.C. 204, 315; 42 U.S.C. 7410 *et seq.*; 49 CFR 1.48.

SOURCE: 69 FR 9487, Feb. 27, 2004, unless otherwise noted.

### Subpart A—Definitions

#### § 972.100 Purpose.

The purpose of this subpart is to provide definitions for terms used in this part.

#### § 972.102 Applicability.

The definitions in this subpart are applicable to this part, except as otherwise provided.

#### § 972.104 Definitions.

*Alternative transportation systems* means modes of transportation other than private vehicles, including methods to improve system performance such as transportation demand management, congestion management, and intelligent transportation systems. These mechanisms help reduce the use of private vehicles and thus improve overall efficiency of transportation systems and facilities.

*Elements* mean the components of a bridge important from a structural, user, or cost standpoint. Examples are decks, joints, bearings, girders, abutments, and piers.

*Federal lands bridge management system (BMS)* means a systematic process used by the Forest Service (FS), the Fish and Wildlife Service (FWS) and the National Park Service (NPS) for analyzing bridge data to make forecasts and recommendations, and provides the means by which bridge maintenance, rehabilitation, and replacement programs and policies may be effectively considered.

*Federal lands congestion management system (CMS)* means a systematic process used by the FS, FWS and NPS for

managing congestion that provides information on transportation system performance and alternative strategies for alleviating congestion and enhancing the mobility of persons and goods to levels that meet Federal, State and local needs.

*Federal Lands Highway Program (FLHP)* means a federally funded program established in 23 U.S.C. 204 to address transportation needs of Federal and Indian lands.

*Federal lands pavement management system (PMS)* means a systematic process used by the FS, FWS and NPS that provides information for use in implementing cost-effective pavement reconstruction, rehabilitation, and preventive maintenance programs and policies and that results in pavement designed to accommodate current and forecasted traffic in a safe, durable, and cost-effective manner.

*Federal lands safety management system (SMS)* means a systematic process used by the FS, FWS and NPS with the goal of reducing the number and severity of traffic accidents by ensuring that all opportunities to improve roadway safety are identified, considered, implemented and evaluated as appropriate, during all phases of highway planning, design, construction, operation and maintenance, by providing information for selecting and implementing effective highway safety strategies and projects.

*Fish and Wildlife Service transportation plan* means the official Fish and Wildlife Service-wide multimodal transportation plan that is developed through the Fish and Wildlife Service transportation planning process pursuant to 23 U.S.C. 204.

*Highway safety* means the reduction of traffic accidents, and deaths, injuries, and property damage resulting therefrom, on public roads.

*Intelligent transportation system (ITS)* means electronics, communications, or information processing used singly or in combination to improve the efficiency and safety of a surface transportation system.

*Life-cycle cost analysis* means an evaluation of costs incurred over the life of a project allowing a comparative analysis between or among various alternatives. Life-cycle cost analysis pro-

notes consideration of total cost, to include maintenance and operation expenditures. Comprehensive life-cycle costs analysis includes all economic variables essential to the evaluation: User costs such as delay and safety costs associated with maintenance and rehabilitation projects, agency capital cost, and life-cycle maintenance costs.

*Metropolitan planning area* means the geographic area in which the metropolitan transportation planning process required by 23 U.S.C. 134 and 49 U.S.C. 5303-5306 must be carried out.

*Metropolitan planning organization (MPO)* means the forum for cooperative transportation decision-making for the metropolitan planning area pursuant to 23 U.S.C. 134 and 49 U.S.C. 5303.

*National Wildlife Refuge System (Refuge System)* means all the lands and waters reported by the FWS as being part of the National Wildlife Refuge System in the annual "Report of Lands Under Control of the U.S. FWS."<sup>1</sup> Included in the Refuge System are those lands that are generally known as refuges, waterfowl production areas, wetland management districts, and coordination areas.

*Operations* means those activities associated with managing, controlling, and regulating highway traffic.

*Refuge road* means a public road that provides access to or is located within a unit of the National Wildlife Refuge System and for which title and maintenance responsibilities are vested in the United States Government.

*Refuge Roads Program* means the funds allocated each fiscal year, as described in 23 U.S.C. 202(e) and 23 U.S.C. 204(k).

*Refuge Roads transportation improvement program (RRTIP)* means a staged, multiyear, multimodal program of transportation projects for the Refuge Roads Program consistent with the Fish and Wildlife Service transportation plan and planning processes pursuant to 23 U.S.C. 204(a) and (k).

*Secretary* means the Secretary of Transportation.

<sup>1</sup>"Report of Lands under Control of the U.S. FWS," U.S. FWS, (published annually on September 30). A free copy is available from the U.S. FWS, Division of Realty, 4401 N. Fairfax Drive, Suite 622, Arlington, VA 22203; telephone: (703) 358-1713.

*State* means any one of the fifty States, the District of Columbia, or Puerto Rico.

*Transportation facilities* means roads, streets, bridges, parking areas, transit vehicles, and other related transportation infrastructure.

*Transportation Management Area (TMA)* means an urbanized area with a population over 200,000 (as determined by the latest decennial census) or other area when TMA designation is requested by the Governor and the MPO (or affected local officials), and officially designated by the Administrators of the Federal Highway Administration and the Federal Transit Administration. The TMA designation applies to the entire metropolitan planning area(s).

**Subpart B—Fish and Wildlife Service Management Systems**

**§ 972.200 Purpose.**

The purpose of this subpart is to implement 23 U.S.C. 204 which requires the Secretary and the Secretary of each appropriate Federal land management agency, to the extent appropriate, to develop by rule safety, bridge, pavement, and congestion management systems for roads funded under the FLHP.

**§ 972.202 Applicability.**

The provisions in this subpart are applicable to the Fish and Wildlife Service (FWS) and the Federal Highway Administration (FHWA) that are responsible for satisfying these requirements for management systems pursuant to 23 U.S.C. 204.

**§ 972.204 Management systems requirements.**

(a) The FWS shall develop, establish and implement the management systems as described in this subpart. The FWS may tailor the management systems to meet the FWS goals, policies, and needs using professional engineering and planning judgment to determine the required nature and extent of systems coverage consistent with the intent and requirements of this rule.

(b) The FWS and the FHWA shall develop an implementation plan for each of the management systems. These

plans will include, but are not limited to, the following: Overall goals and policies concerning the management systems, each agency's responsibilities for developing and implementing the management systems, implementation schedule, data sources, and cost estimate. The FHWA will provide the FWS ongoing technical engineering support for the development, implementation, and maintenance of the management systems.

(c) The FWS shall develop and implement procedures for the development, establishment, implementation and operation of management systems. The procedures shall include:

(1) A process for ensuring the results of any of the management systems are considered in the development of FWS transportation plans and transportation improvement programs and in making project selection decisions under 23 U.S.C. 204;

(2) A process for the analyses and coordination of all management system outputs to systematically operate, maintain, and upgrade existing transportation assets cost-effectively;

(3) A description of each management system;

(4) A process to operate and maintain the management systems and their associated databases; and

(5) A process for data collection, processing, analysis and updating for each management system.

(d) All management systems will use databases with a geographical reference system that can be used to geolocate all database information.

(e) Existing data sources may be used by the FWS to the maximum extent possible to meet the management system requirements.

(f) The FWS shall develop an appropriate means to evaluate the effectiveness of the management systems in enhancing transportation decision-making and improving the overall efficiency of the affected federally owned transportation systems and facilities. This evaluation is to be conducted periodically, preferably as part of the comprehensive resource conservation planning process.

(g) The management systems shall be operated so investment decisions based