

**§ 973.200**

**23 CFR Ch. I (4–1–07 Edition)**

Alaska Native villages, groups, or communities in which Indians and Alaskan Natives reside, whom the Secretary of the Interior has determined are eligible for services generally available to Indians under Federal laws specifically applicable to Indians.

*Indian Reservation Roads (IRR) Program* means a part of the FLHP established in 23 U.S.C. 204 to address the transportation needs of federally recognized ITGs.

*Indian Reservation Roads transportation improvement program (IRRTIP)* means a multi-year, financially constrained list by year, State, and tribe of IRR-funded projects selected by ITGs that are programmed for construction in the next 3 to 5 years.

*Indian Reservation Roads transportation plan* means a document setting out a tribe's long-range transportation priorities and needs. The IRR transportation plan, which can be developed by either the tribe or the BIA on behalf of that tribe, is developed through the IRR transportation planning process pursuant to 23 U.S.C. 204 and 25 CFR part 170.

*Indian Tribal Government (ITG)* means a duly formed governing body of an Indian or Alaska Native Tribe, Band, Nation, Pueblo, Village, or Community that the Secretary of the Interior acknowledges to exist as an Indian tribe pursuant to the Federally Recognized Indian Tribe List Act of 1994, 25 U.S.C. 479a.

*Indian tribe (tribe)* means any Indian tribe, nation, band, pueblo, rancheria, colony, or community, including any Alaska Native Village, or regional or village corporation as defined or established under the Alaska Native Claims Settlement Act which is federally recognized by the U.S. government for special programs and services provided by the Secretary of the Interior to Indians because of their status as Indians.

*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 anal-

ysis between or among various alternatives. Life-cycle cost analysis promotes consideration of total cost, to include maintenance and operation expenditures. Comprehensive life-cycle cost analysis includes all economic variables essential to the evaluation: Safety costs associated with maintenance and rehabilitation projects, agency capital cost, and life-cycle maintenance costs.

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

*Secretary* means the Secretary of Transportation.

*Serviceability* means the degree to which a bridge provides satisfactory service from the point of view of its users.

*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.

**Subpart B—Bureau of Indian Affairs Management Systems**

**§ 973.200 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.

**§ 973.202 Applicability.**

The provisions in this subpart are applicable to the Bureau of Indian Affairs (BIA), the Federal Highway Administration (FHWA), and the Indian Tribal Governments (ITGs) that are responsible for satisfying these requirements for management systems pursuant to 23 U.S.C. 204.

**§ 973.204 Management systems requirements.**

(a) The BIA, in consultation with the tribes, shall develop, establish and implement nationwide pavement, bridge, and safety management systems for federally and tribally owned IRRs. The

BIA may tailor the nationwide management systems to meet the agency's goals, policies, and needs, after considering the input from the tribes, and 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 BIA and the FHWA, in consultation with the tribes, shall develop an implementation plan for each of the nationwide management systems. These plans will include, but are not limited to, the following: Overall goals and policies concerning the nationwide management systems, each agency's responsibilities for developing and implementing the nationwide management systems, implementation schedule, data sources, including the need to accommodate State and local data, and cost estimate.

(c) Indian tribes may develop, establish, and implement tribal management systems under a self-determination contract or self-governance annual funding agreement. The tribe may tailor the management systems to meet its 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.

(d) The BIA, in consultation with the tribes, shall develop criteria for cases in which tribal management systems are not appropriate.

(e) The BIA, in consultation with the tribes, or the tribes under a self-determination contract or self-governance annual funding agreement, may incorporate data provided by States and local governments into the nationwide or tribal management systems, as appropriate, for State and locally owned IRRs.

(f) The BIA, in consultation with the tribes, shall develop and implement procedures for the development, establishment, implementation and operation of nationwide management systems. If a tribe develops tribal management systems, the tribe shall develop and implement procedures for the development, establishment, implementation and operation of tribal manage-

ment systems. The procedures shall include:

(1) A description of each management system;

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

(3) A process for data collection, processing, analysis and updating for each management system;

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

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

(g) All management systems shall use databases with a common or coordinated reference system that can be used to geolocate all database information.

(h) Existing data sources may be used by the BIA and the tribes to the maximum extent possible to meet the management system requirements.

(i) A nationwide congestion management system is not required. The BIA and the FHWA, in consultation with the tribes, shall develop criteria for determining when congestion management systems are required for BIA or tribal transportation facilities providing access to and within the Indian reservations. Either the tribes or the BIA, in consultation with the tribes, shall develop, establish and implement congestion management systems for the transportation facilities that meet the criteria.

(j) The BIA shall develop an appropriate means to evaluate the effectiveness of the nationwide management systems in enhancing transportation investment decisions and improving the overall efficiency of the affected transportation systems and facilities. This evaluation is to be conducted periodically, preferably as part of the BIA planning process to assist the FHWA in evaluating the efficiency and effectiveness of the management systems as a component of the IRR program, and

may include consultation with the tribes, as appropriate.

(k) The management systems shall be operated so investment decisions based on management system outputs can be accomplished at the BIA region and tribal level and can be utilized throughout the transportation planning process.

**§973.206 Funds for establishment, development, and implementation of the systems.**

The IRR program management funds may be used to accomplish nationwide management system activities. For tribal management system activities, the IRR two percent tribal transportation planning or construction funds may be used. (Refer to 23 U.S.C. 204(b) and 204(j)). These funds are to be administered in accordance with the procedures and requirements applicable to the funds.

**§973.208 Indian lands pavement management system (PMS).**

In addition to the requirements provided in §973.204, the PMS must meet the following requirements:

(a) The BIA shall have PMS coverage for all federally and tribally owned, paved IRRs included in the IRR inventory.

(b) Where a tribe collects data for the tribe's PMS, the tribe shall provide the data to the BIA to be used in the nationwide PMS.

(c) The nationwide and tribal PMSs may be based on the concepts described in the AASHTO's "Pavement Management Guide."<sup>1</sup>

(d) The nationwide and tribal PMSs may be utilized at various levels of technical complexity depending on the nature of the pavement network. These different levels may depend on mileage, functional classes, volumes, loading, usage, surface type, or other criteria the BIA and ITGs deem appropriate.

<sup>1</sup>"Pavement Management Guide," AASHTO, 2001, is available for inspection as prescribed at 49 CFR part 7. It is also available from the American Association of State Highway and Transportation Officials (AASHTO), Publication Order Dept., P.O. Box 96716, Washington, DC 20090-6716 or online at <http://www.transportation.org/publications/bookstore.nsf>.

(e) A PMS shall be designed to fit the BIA's or tribes' goals, policies, criteria, and needs using the following components, at a minimum, as a basic framework for a PMS:

(1) A database and an ongoing program for the collection and maintenance of the inventory, inspection, cost, and supplemental data needed to support the PMS. The minimum PMS database shall include:

(i) An inventory of the physical pavement features including the number of lanes, length, width, surface type, functional classification, and shoulder information;

(ii) A history of project dates and types of construction, reconstruction, rehabilitation, and preventive maintenance. If some of the inventory or historic data is difficult to establish, it may be collected when preservation or reconstruction work is performed;

(iii) A condition survey that includes ride, distress, rutting, and surface friction (as appropriate);

(iv) Traffic information including volumes and vehicle classification (as appropriate); and

(v) Data for estimating the costs of actions.

(2) A system for applying network level analytical procedures that are capable of analyzing data for all federally and tribally owned IRR in the inventory or any subset. The minimum analyses shall include:

(i) A pavement condition analysis that includes ride, distress, rutting, and surface friction (as appropriate);

(ii) A pavement performance analysis that includes present and predicted performance and an estimate of the remaining service life (performance and remaining service life to be developed with time); and

(iii) An investment analysis that:

(A) Identifies alternative strategies to improve pavement conditions;

(B) Estimates costs of any pavement improvement strategy;

(C) Determines maintenance, repair, and rehabilitation strategies for pavements using life cycle cost analysis or a comparable procedure;

(D) Performs short and long term budget forecasting; and

(E) Recommends optimal allocation of limited funds by developing a