

§970.212

(i) A prediction of performance and estimate of the remaining service life of structural and other key elements of each bridge, both with and without intervening actions; and

(ii) A recommendation for optimal allocation of limited funds through development of a prioritized list of candidate projects over predefined short and long term planning horizons.

(c) The BMS may include the capability to perform an investment analysis as appropriate, considering size of structure, traffic volume, and structural condition. The investment analysis may:

(1) Identify alternative strategies to improve bridge condition, safety and serviceability;

(2) Estimate the costs of any strategies ranging from maintenance of individual elements to full bridge replacement;

(3) Determine maintenance, repair, and rehabilitation strategies for bridge elements using life cycle cost analysis or a comparable procedure;

(4) Provide short and long term budget forecasting; and

(5) Evaluate the cultural and historical values of the structure.

(d) For any bridge in the inventory or subset thereof, BMS reporting requirements shall include, but are not limited to, percentage of non-deficient bridges.

§970.212 Federal lands safety management system (SMS).

In addition to the requirements provided in §970.204, the SMS must meet the following requirements:

(a) The NPS shall have an SMS for all transportation systems serving NPS facilities, as appropriate, funded under the FLHP.

(b) The NPS shall use the SMS to ensure that safety is considered and implemented, as appropriate, in all phases of transportation system planning, design, construction, maintenance, and operations.

(c) The SMS shall be designed to fit the NPS goals, policies, criteria, and needs and shall contain the following components: (1) An ongoing program for the collection, maintenance and reporting of a data base that includes:

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(i) Accident records with details for analysis such as accident type, using standard reporting descriptions (e.g., right-angle, rear-end, head-on, pedestrian-related), location, description of event, severity, weather and cause;

(ii) An inventory of safety appurtenances such as signs, delineators, and guardrails (including terminals);

(iii) Traffic information including volume, speed, and vehicle classification, as appropriate.

(iv) Accident rates by customary criteria such as location, roadway classification, and vehicle miles of travel.

(2) Development, establishment, and implementation of procedures for:

(i) Routinely maintaining and upgrading safety appurtenances including highway-rail crossing warning devices, signs, highway elements, and operational features, where appropriate;

(ii) Identifying and investigating hazardous or potentially hazardous transportation elements and systems, transit vehicles and facilities, roadway locations and features;

(iii) Establishing countermeasures and setting priorities to address identified needs.

(3) A process for communication, coordination, and cooperation among the organizations responsible for the roadway, human, and vehicle safety elements;

(d) While the SMS applies to appropriate transportation systems serving NPS facilities funded under the FLHP, the extent of system requirements (e.g., data collection, analyses, and standards) for low volume roads may be tailored to be consistent with the functional classification of the road and number and types of transit and other vehicles operated by the NPS.

§970.214 Federal lands congestion management system (CMS).

(a) For purposes of this section, congestion means the level at which transportation system performance is no longer acceptable due to traffic interference. For portions of the NPS transportation system outside the boundaries of TMAs, the NPS shall:

(1) Develop criteria to determine when a CMS is to be implemented for a specific transportation system; and