

South Carolina Department of Transportation
Planning Office Process Directive

Number: 5

Date: February 2018

Subject: Transportation Asset Management Plan

Purpose: Basic Policy Concerning Development of the Transportation Asset Management Plan (TAMP)

The TAMP is a federally-mandated intermediate-term planning document with a 10-year planning horizon. The primary purpose of the plan is to outline the agency's asset management practices. As defined by U.S. Code, asset management is a strategic and systematic process of operating, maintaining, and improving physical assets, with a focus on engineering and economic analysis based upon quality information, to identify a structured sequence of maintenance, preservation, repair, rehabilitation, and replacement actions that will achieve and sustain a desired state of good repair over the lifecycle of the assets at a minimum practicable cost. An initial version of the TAMP must be submitted to FHWA by April 30, 2018, with the final submittal due by June 30, 2019. The TAMP has a 4-year update cycle. In addition to developing and updating its TAMP, the State of South Carolina Department of Transportation (SCDOT) must annually submit documentation to FHWA demonstrating that the agency has implemented strategies contained in its TAMP. The first annual submittal of documentation is due by July 31, 2019, and annually by June 30 thereafter.

The TAMP provides an overview of SCDOT's pavement and bridge assets on all of its systems: Interstate, National Highway System (NHS) Primary, non-NHS Primary, Federal Aid (FA) Secondary, and non-FA Secondary for pavement assets and NHS and off-system for bridge assets. This includes documenting current and historical system conditions, asset management objectives and measures, performance gap identification, the agency's life cycle planning related to managing its assets, risk management analysis, a 10-year financial plan, and SCDOT's 10-year investment strategies for its assets.

In addition to the aforementioned sections, the TAMP contains state-defined performance measures and metrics developed relating to its pavement and bridge assets, including non-asset condition related measures, such as safety measures and targets. The TAMP houses these state-specific measures and targets along with the federally-required metrics and targets:

- Percentage of pavements on the Interstate in good condition;
- Percentage of pavements on the Interstate in poor condition;

- Percentage of pavements on the non-Interstate NHS in good condition;
- Percentage of pavements on the non-Interstate NHS in poor condition;
- Percentage of bridges on the NHS by deck area classified as good; and
- Percentage of bridges on the NHS by deck area classified as poor.

To ensure adequate and timely data to inform investment strategies and targets in the TAMP, the Planning Office coordinates with a variety of offices and divisions within SCDOT, including: Maintenance for bridge condition data, Road Data Services for pavement condition data, Safety for safety data, Finance for financial data, Materials and Research for treatment design and cost data, and Internal Audit, for SCDOT's risk-based assessment. The Asset Management Engineer within the Planning Office, or his or her designee, works closely with staff from these areas to obtain and analyze data when new data becomes available.

Submitted by:

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Approved by:

Deputy Secretary for Intermodal Planning