

Policy: 4B-1- Asset Management Policy

Section: Asset Management

Office/Department: Chief Engineer

Reports To: oDEPT OF TRANSPORTATION

Contact: 404-631-1000

I. Purpose

The purpose of this policy is to adopt Transportation Asset Management as the official, institutional approach in managing/maintaining infrastructure assets and making capital investment decisions at the Georgia Department of Transportation (GDOT).

This approach will serve to support and compliment the 20 year Statewide Strategic Transportation Plan/Statewide Transportation Plan, the Statewide Transportation Improvement Plan, as well as to the agency's annual Strategic Plan. This approach will also fulfill the federal requirements in MAP-21 and the FAST Act for States to develop and implement risk-based asset management plans for the National Highway System (NHS).

II. Background

The purpose of transportation management is to identify a structured sequence of maintenance, preservation, repair, rehabilitation and replacement activities that will achieve and sustain a desired state of good repair over the life cycle of the assets at minimum practicable cost (23 U.S.C. 101(a)(2), MAP-21 1103).

GDOT, as well as other state transportation departments, is facing ever increasing challenges in funding transportation improvements. Although GDOT strives to preserve and improve our transportation system not only on the NHS but throughout the state of Georgia on an ongoing, systematic basis, there is inherently a shortfall of the funding needed to achieve these strategic goals.

In order to address this challenge, GDOT must take a more holistic approach to preserving and improving the transportation system. Asset management offers an alternative to focusing solely on problem spots or worst conditions. GDOT will look at an entire asset class based on established criteria and strive to keep that class at the desired condition level. This requires that more effort be made to maintain and preserve assets that are in a state of good repair.

The Federal Highway Administration and the American Association of State Highway and Transportation Officials define Asset Management as a "systematic process of maintaining, upgrading, and operating physical assets cost-effectively." GDOT will follow this definition of asset management.

III. Policy

The Mission of GDOT is to deliver a transportation system focused on innovation, safety, sustainability and mobility. Within that concept, GDOT's core functions are to operate, maintain, and improve the state's transportation system. Resources to effectively carry out those functions are finite; needs always exceed resources. It is, therefore, essential that GDOT uses those resources in the most cost-effective manner.

Policy: 4B-1 - Asset Management Policy

Date Last Reviewed: 2/19/2021

Accordingly, GDOT will develop an Asset Management Program consisting of two primary elements:

1. **Transportation Asset Management Plan (TAMP).**

The plan will provide inventory, condition levels, and performance targets for all bridge and pavement assets, and a framework for how best to achieve the performance targets through a mix of investments.

2. **Transportation Asset Management Implementation Plan.**

The strategy will look at GDOT's proficiency and maturity in Asset Management practice. The strategy will identify strengths and weaknesses in the overall and individual Asset Management plans, Asset Management methodologies and practices, and will set goals for improving them.

In order to effectively and efficiently put into place an Asset Management Program, the Policy recommends the following:

1. The Office of Organizational Performance-Based Management and Research will be responsible for implementing a Department-wide Asset Management Program. Performance-Based Management and Research, in cooperation with the Division of Operations (Maintenance, Traffic Operations, Transportation Data), Division of Engineering (Bridge), Information Technology and all other applicable Divisions and Offices, will work collaboratively to support the implementation of Asset Management within the Department.
2. An Asset Management Steering Committee, Task Force and Focus Group has been created to guide implementation of this Policy and actively participate in Data Governance activities that impact physical assets that will support the Office of Performance-Based Management and Research in implementing and operating the Asset Management Program.
3. GDOT Divisions will be charged with developing specific Asset Management plans for assets not included in the TAMP and under their purview.
4. A Data Governance Committee manages the information as it pertains to data collection, storage, security, data inventory, analysis, quality control, and reporting. The Data Governance Chairman provides updates to the Asset Management Steering Committee at each committee meeting.
5. To ensure that GDOT data systems work in concert with Asset Management implementation, any and all contracts that impact the Department's physical assets will be reviewed and discussed with the Office of Performance-Based Management and Research prior to initiation of the agreement.

References:

None

History:

annual review: 02/19/21;

added to P&P: 10/05/10

Reviewed: 2/19/2021