

NOCoe 2019 Maintenance & Operations Peer Exchange
Montgomery, AL
June 2019

Michigan DOT Maintenance

Michigan DOT has jurisdictional responsibility for approximately 32,000 lane miles and over 4,400 bridges. The Michigan DOT distributes funding for maintenance and operational through Lansing Central Office and region staff via the Statewide Maintenance & Operations Alignment Team (SMOAT). This team determines funding distribution for the 7-MDOT regions based on need and a 5-year running average. Adjustments are made after all winter operations are complete in the spring to accommodate summer maintenance needs. Contingencies are held in reserve for contract audit adjustments with counties and cities providing maintenance services on behalf of MDOT (63 of the 83 counties (and cities). MDOT's total annual maintenance budget (~\$330 million) is provided through ACT 51 (legislative action/law). ACT 51 determines how funding is distributed to the state, counties, and cities.

General: \$330 million annual maintenance budget, winter (~one-third of total budget) and remainder for non-winter activities (includes local agency contract work), 29 - Direct Maintenance Garages, ~400 direct maintenance employees, 330 snowplow trucks

MDOT is just starting to use any asset management strategies such as consideration of life cycle costing as a basis for funding distribution. Asset management data is collected for the Performance Based Maintenance and Transportation Asset Management System (PBM/TAMS) programs. This currently does not impact funding needs around the state yet but will in the future. Funding accountability and distribution/expenditures is via the Local Agency Payment System (LAPS) program which is managed by internal MDOT staff. There are also annual audits completed by MDOT's Office of Commission Audit and random audits conducted by Office of Attorney General.

Maintenance Services:

Surface, shoulders, guardrail, mowing, LAPS, salt purchasing, Salt Storage Sheds, Pump Houses, Cable Median Barrier, Culverts and Drainage, Fleet Replacement, etc.

Intelligent Transportation Systems (ITS):

1. Determine ITS O&M needs during program/project scope.
2. Future to increase ITS O&M and reduce capital expansion.

Bridge

1. Continue to improve bridge inventory program to simplify bridge inspection and bridge maintenance management. Address audit recommendations.
2. Continue to coordinate with local agencies regarding timeliness of bridge inspections and offer support for bridge maintenance goals.
3. Expand bridge maintenance activities and training to region personnel with a focus on concrete repairs and joint installations.
4. Identify and address bridge maintenance emergencies needs, Request For Action (RFAs).