



OAG

Office of the Auditor General

Report Summary

Performance Audit

Bridge Inspection Program and Michigan Bridge Management and Inspection System (MiBRIDGE) Michigan Department of Transportation (MDOT)

Report Number:
591-0169-19

Released:
January 2021

MDOT's Bureau of Bridges and Structures (BOBS) is responsible for administering the State's bridge inspection program in compliance with National Bridge Inspection Standards (NBIS) for highway bridges located on public roads that are longer than 20 feet. The bridge inspection program is critical to ensuring the safety of Michigan highway bridges; identifying repair and maintenance needs; and determining the appropriate allocation of MDOT bridge funds. As of June 16, 2020, BOBS records indicated that there were 11,212 bridges in Michigan. In fiscal year 2018, MDOT inspected or caused to be inspected 6,385 bridges. MiBRIDGE is MDOT's primary source of bridge-related data. MiBRIDGE is used by bridge inspectors and bridge management personnel to maintain an inventory of all bridges as required by NBIS.

Audit Objective			Conclusion
Objective #1: To assess the effectiveness of MDOT's efforts to administer its quality control (QC) and quality assurance (QA) program over bridge inspections and load ratings.			Effective
Findings Related to This Audit Objective	Material Condition	Reportable Condition	Agency Preliminary Response
Opportunities exist for MDOT to further evaluate and improve QC and QA practices to increase the number of jurisdictions that receive an effective QC rating. Between 2012 and 2019, 106 (41%) of 258 jurisdictions did not receive an effective rating for their QC processes (Finding #1).		X	Agrees

Audit Objective			Conclusion
Objective #2: To assess MDOT's compliance with selected federal and State requirements for its bridge inspection program.			Complied, with exceptions
Findings Related to This Audit Objective	Material Condition	Reportable Condition	Agency Preliminary Response
Three (25%) of 12 bridge owners did not maintain all required QC documentation. Also, 5 (20%) of 25 bridge files reviewed did not contain an initial scour assessment (Finding #2).		X	Agrees

Audit Objective			Conclusion
Objective #3: To assess the effectiveness of MiBRIDGE access, backup, and application controls.			Moderately effective
Findings Related to This Audit Objective	Material Condition	Reportable Condition	Agency Preliminary Response
Of the inactive MiBRIDGE accounts, 54% had not been accessed in over 120 days and 23% did not have a last log on date, and therefore, we were unable to identify when those users last accessed MiBRIDGE (<u>Finding #3</u>).		X	Agrees

Obtain Audit Reports

Online: audgen.michigan.gov

Phone: (517) 334-8050

Office of the Auditor General
201 N. Washington Square, Sixth Floor
Lansing, Michigan 48913

Doug A. Ringler, CPA, CIA
Auditor General

Laura J. Hirst, CPA
Deputy Auditor General