

Local Bridge Program – 2024 Bridge Week



Local Bridge Program

- Presentation Topics
- Local Bridge Condition
- Program Funding
- FY 26 Call for Projects
- NEPA and Section 106
- FY 27 Call for Projects
- 2023 Bridge Construction Bloopers and Successful Projects



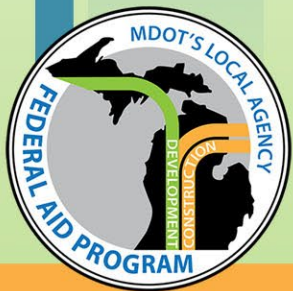
Local Bridge Condition

- Michigan Bridges = 11,000
 - MDOT Bridges = ~4600
 - Local Bridges = ~6700
- Condition of Local Bridges
 - Good/Fair = 5700
 - Poor = 575
 - Serious/Critical = 390
 - Closed = 67
 - Posted = 1057



Local Bridge Condition

- Local Bridges = 6700
 - Let's say 100-year life for a bridge
 - Need to replace 67 bridges per year.
 - How many bridges are we replacing per year?



Local Bridge Condition

2023 – 382 Applications - \$470 million – 9 times typical funding

Selected 2023 Call:

40 Replacements

77 Rehabilitation/PM

117 Total Bridges

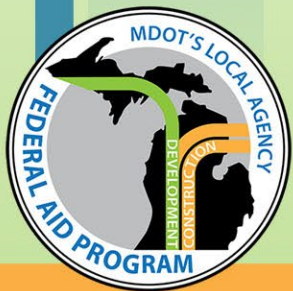


~\$2.4 Billion estimated cost to eliminate the 1000 plus Poor/Serious/Critical/Closed Bridges



Local Bridge Condition

- Local Bridges
 - Replace 20-25 bridges per year
 - **270-to-340-year lifecycle**
- MDOT Bridges
 - Replace 6-10 bridges per year
 - **300-to-500-year lifecycle**
- **Local Bridges - Need Add. \$240 million/year to reach 95% Good/Fair in 10 years**



MDOT/Local Bridge Forecast

Bridge Condition Forecast

2024-2034

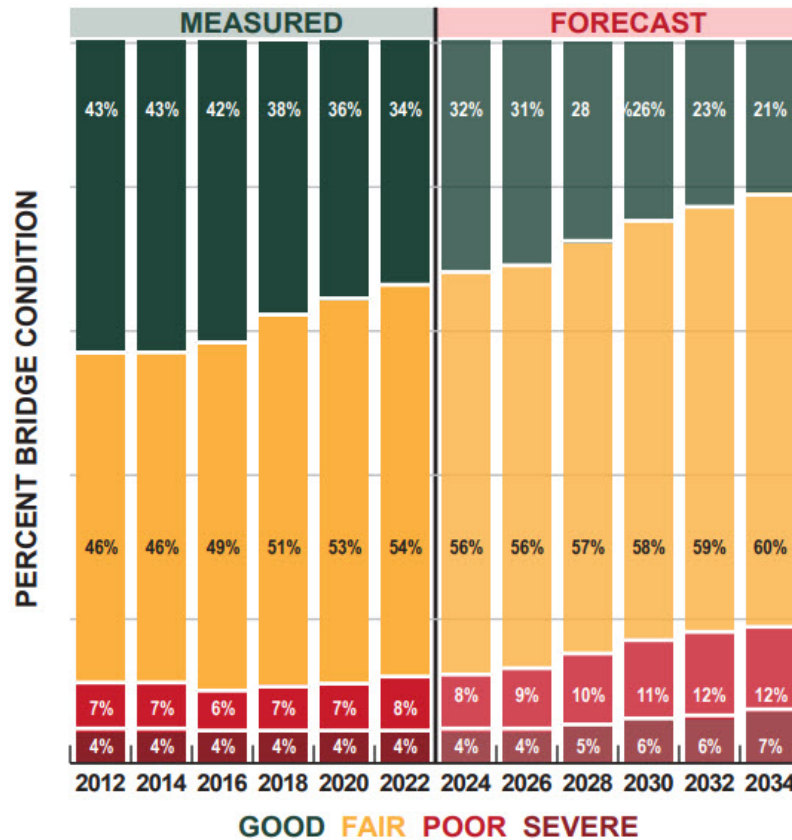


Figure 15

Source: 2022 TAMC

Bridge Condition Forecast

Working from current NBI bridge condition information, bridge deterioration rate, project costs, expected inflation, and fix strategies, the Bridge Condition Forecasting System (BCFS) estimates future condition of bridges. Figure 15 indicates that the combined overall bridge condition of all Michigan's bridges is expected to continue to decline.

This analysis includes the bridge funding designated in IJJA for both trunkline and local agencies as well as other bridge program funds.

This forecast also includes the severe condition category that continues to rise. 19% of all bridges are forecast to be in the poor or severe category by the year 2034. This indicates that without additional investment for bridge programs additional bridges will be at high risk and lead to more emergency repairs and closures.



Local Bridge Program



- Local Bridge Program (LBP) Funding
- Infrastructure Investment and Jobs Act (IIJA)
 - Additional \$36 million per year to Local Bridge Program (FY 22-26)
 - Added to annual budget \$50 million



Local Bridge Program

- FY 27 Local Bridge Funding
 - \$50 M – Typical Funding
 - \$36 M – IJA– Final year of IJA
- Total Funding for Local Bridges
 - ~\$86 Million for FY 27
- Less any deficits from current year.



2024 Call For Applications

Sent out in February to CRA and MML – Call for FY 2027 Construction

Application Deadline – April 1st, 2024

Local Bridge Program Website

- Call Letter/Instructions
- Call for Applications - Submission sheet
- Est. Worksheet – Revised (Feb 2024)
- 2023 Selected Projects for FY 2026



2024 Call For Applications

Request for Preliminary (calculated) rating points for local agencies bridge inventory

- Send requests: MDOT-Bridge-Data-Request@michigan.gov
- Calculated/Voted Points Guidance on website
 - **Main page – Click on: Local Bridge Program (LBP)**

List of all submitted applications will be posted on Local Bridge Program website – End of April



Local Bridge Program Website

Google: MDOT Local Agency Bridge Program



Michigan Department of Transportation



[Home](#) > [Business](#) > [Local Government](#) > [Local Agency Program](#) > [Bridge Program](#)



Local Bridge Program Website

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The Local Agency Program (LAP) Bridge Unit develops and manages a rolling three-year bridge program using federal and state bridge funds to assist local municipalities in replacing and rehabilitating bridges and to maintain the local bridge system. As with the other LAP units, local municipalities include county road commissions and departments, cities, and villages, all of whom are designated in Public Act 51, as eligible to receive state and federal transportation funds.

The [Local Bridge Program \(LBP\)](#) normally distributes \$50 million of federal and state funds, which periodically is supplemented with funds authorized by state and federal legislation.

Funds are distributed using an annual application process. The applications are reviewed by LBP staff engineers and a statewide group of seven Regional Bridge Councils (RBC) that rate and select bridge projects. LBP staff engineers then work with the successful applicants and review all projects for compliance with federal and state regulations and AASHTO standards prior to bid advertisement and letting.

Learn more about the [Local Agency Bridge Bundling Program](#).

Contacts

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[Bridge Area Engineer Contacts](#)

[Regional Bridge Councils Contacts](#)

[Local Bridge Advisory Board Contacts](#)



Local Bridge Program Website

Overview

- [Local Bridge Program Overview](#)
- [Local Bridge Program Guidelines](#)
- [Flow Chart of Local Bridge Process Steps](#)
- [Local Bridge Advisory Board Procedures](#)
- [Regional Bridge Council Procedures](#)

Bridge Selection Process

- [Calculated Rating Point Guidance](#)
- [Voted Rating Point Guidance](#)
- [Sample Bridge Rating Sheet](#)

Design Submittal Requirements

- [Type Size and Location Procedures for Replacement Projects Only](#)
- [Items Required for Local Agency Bridge Plan Review \(GI\)](#)

3-Year Local Bridge Program Selected Bridges

- [2023 Selected Projects for FY 2026](#)
- [Large Bridge Projects FY 2024, 2025, 2026](#)
- [Bay FY 2026](#)
- [Grand FY 2026](#)
- [Metro FY 2026](#)
- [North FY 2026](#)
- [Southwest 2026](#)
- [Superior FY 2026](#)
- [University FY 2026](#)



Local Bridge Program Website

General Program Instructions

- [Instructions for Preparing to Bid Federal Aid Projects Through MDOT](#)
- [Instructions for Construction of Federally Funded Local Agency Projects by Non-Competitive Bid Contract \(Force Account\)](#)

Call for Projects

- [2023 Selected Projects for FY 2026](#)
- [FY 2026 Local Bridge Applications Received](#)
- [FY 2024 LAP Bridge Scoping Estimate Key](#)
- [FY 2024 LAP Bridge Scoping Cost Estimate Worksheet](#)
- [FY 2027 LBP Call For Applications](#)
- [FY 2027 LBP Exhibits 1-3](#)
- [FY 2027 LBP Call for Applications Submission Sheet](#)

Public Meeting Announcements

- [Local Bridge Advisory Board Meeting Oct. 2023](#)
- [Bay Region Bridge Council Meeting for Oct. 2023](#)
- [Grand Region Bridge Council Meeting for Oct. 2023](#)
- [Metro Region Bridge Council Meeting for Sept. 27, 2023](#)
- [North Region Bridge Council Meeting for Sept. 2023](#)
- [Southwest Region Bridge Council Meeting for Oct. 2023](#)
- [Superior Region Bridge Council Meeting for Sept. 2023](#)
- [University Region Bridge Council Meeting for Oct. 2023](#)



2024 Call For Applications

Application limit – Limit 4 Applications

Multiple PM's will be 1 Application

- Bundle for cost effectiveness
- Good Estimate Range for PM App - \$200k-500k
 - **PM projects typically underestimated – Be conservative**
 - Mob and Traffic are major cost in PM projects
 - PM projects present higher risks to contractors – Higher Unit Costs

Note:

- **FY 2027 Call for Projects: ~½ of the Selected Applications will be Off-System**



Tips to Increase Chances for Selection

- Increase Local Agencies funding share
 - Add. \$16 million in local match for 2023
 - **50% of selected projects had add. local match**
- Look for additional sources of funding, especially for Large Bridges
 - BIA, Safety, Enhancement, Economic Development, Other, etc.
- Detailed Narratives in Applications
- Attend RBC meetings in person



Other Items

Large Bridges

- Any bridge that exceeds 50% of Regions Allocation
- Reviewed and Rated by RBC – Then to LBAB
- RBC can apply Region funds to “Large Bridge” projects
- 41 Bridges qualified a “Large” for \$150 million
- LBAB had **\$12.5 million** to select bridges
- **Typically, LBAB will fund up to \$3 million of “Large Bridge”**
- Region Funds, Increase Local Match, Other Grants to make up funding over \$3 million

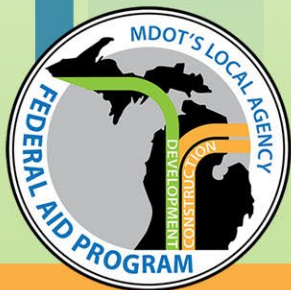
Bridge Design Quality Assurance (QA)

- 5 projects have been assigned Design QA review – Assigned at GI phase
- 3 are completed – Reviews went well
- Geotech and Hydraulics - Assumptions/Calcs had most comments



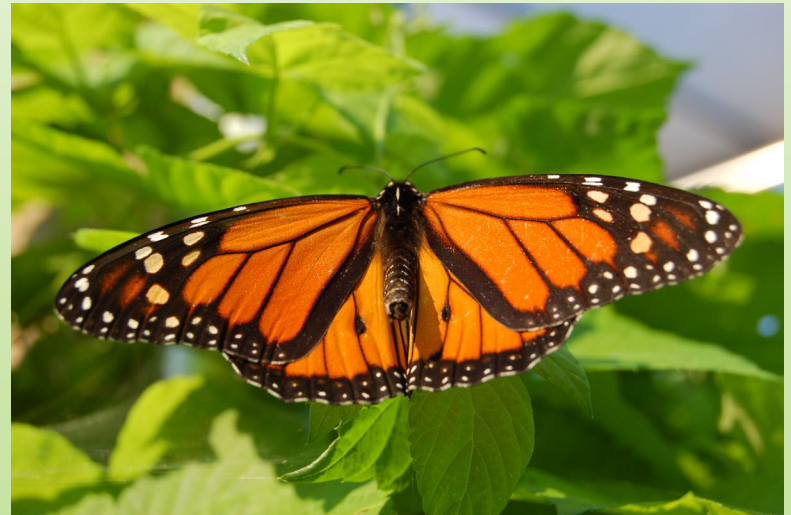
NEPA – Section 106

- NEPA and Cultural Resources submittals
 - Change the state in PW to “Next” (Submitted)
 - Otherwise not aware of project
- Screen projects for potential impacts using the Guidance Documents
 - NEPA Website: [National Environmental Policy Act \(NEPA\) \(michigan.gov\)](http://michigan.gov)
- Projects that may impact mussels
 - Survey/relocation is needed, please start consultation a **YEAR** before the intended letting



NEPA – Section 106

- Projects that need an archeological survey
 - Need to start consultation with the MDOT Section 106 Team a **YEAR** before the intended letting to avoid delays
- Do NOT to sign the 5323 NEPA form
 - Reviewers will initiate the process when the environmental clearance process is complete



NEPA – Section 106

- Timeline for submittals (no mussel or archeological survey):
 - Section 106: ~3-6 months prior to GI submittal depending on the complexity of the project
 - 5323 NEPA Form: ~3 months prior to GI submittal
- Contact Information:
 - NEPA Review Team: MDOT-LAP-NEPA-Reviews@michigan.gov
 - Section 106 Team: MDOT-LAP-Section106-Reviews@michigan.gov



National Environmental Policy Act (NEPA)



Resources for Local Agency NEPA Review

- [Michigan Natural Features Inventory \(MNFI\) Mussel Map](#)
- [EGLE Maps and GIS Open Data](#)
- [MDOT Maps and GIS Open Data](#)
- [DNR Maps and GIS Open Data](#)
- [Best Management Practices - Eastern Massasauga Rattlesnake](#)

Section 106 - National Historic Preservation Act

- [Section 106 Programmatic Agreement Poster](#)
- [MDOT LAP Section 106 Flow Chart](#)

Documents & Guidance

- [Section 106 Guidance Document](#)
- [LAP NEPA Webinar Announcement](#)
- [Threatened and Endangered Species Review Process](#)
- [LAP and Public Involvement](#)
- [Road Diets - FHWA Guidance - June 2018](#)

Forms

- [Local Agency Environmental Clearance Form 5323](#)
- [Archaeological Sensitivity Inquiry](#)
- [Conditional Exceptions](#)
- [Section 106 Application](#)



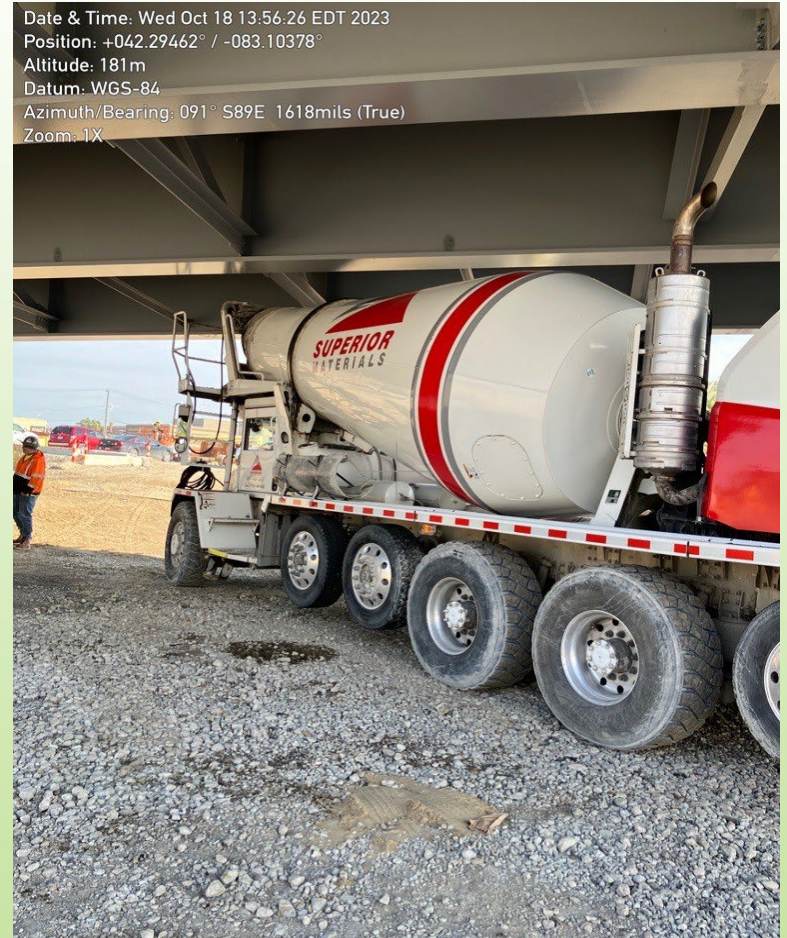
Bridge Construction Bloopers



Bridge Construction Bloopers



Date & Time: Wed Oct 18 13:56:26 EDT 2023
Position: +042.29462° / -083.10378°
Altitude: 181m
Datum: WGS-84
Azimuth/Bearing: 091° S89E 1618mils (True)
Zoom: 1X

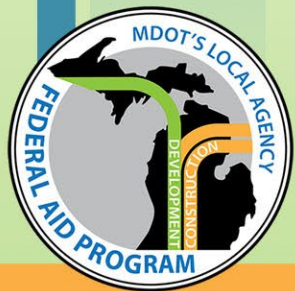


Bridge Construction Bloopers



2023 Bridge Projects

St. Clair County - King Road over Belle River



2023 Bridge Projects

St. Clair County - King Road over Belle River



2023 Bridge Projects

St. Clair County - King Road over Belle River

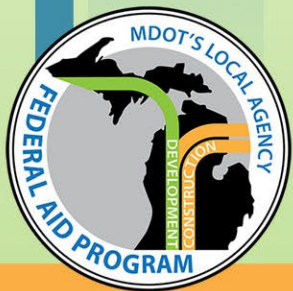


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2023 Bridge Projects

Macomb County – West Archer Drive over Channel



2023 Bridge Projects

Macomb County – West Archer Drive over Channel



2023 Bridge Projects

Macomb County – West Archer Drive over Channel



2023 Bridge Projects

City of Flint - Fenton Road over Thread Creek



Local Bridge Staff

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Local Bridge Staff

- **Tim Barry: Bridge Area Engineer**

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- **Bob LaFrance: Bridge Area Engineer**

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Area of Coverage: Grand, West Half North, Southwest, University





Questions?