



Update and Presentation to Michigan Bridge Conference

March 24, 2010 – Big Rapids



Presentation Outline

- TAMC Update
- TAMC Strategic Initiative on Bridges
- Bridge Committee Work Plan
- Preliminary Survey Results
- Next Steps
- Q and A



- Created by the State Legislature (P.A. 499 of 2002, Act 199 of 2007)
- Represents all Act 51 agencies
- Requires asset management approach for all roads and bridges
- Annual Report to the State Transportation Commission and the Legislature
- Assess condition of Michigan's roads and bridges



New TAMC Website:

[http://tamc.mcgi.state.mi.us/MITRP/Council/
Default_Council.aspx](http://tamc.mcgi.state.mi.us/MITRP/Council/Default_Council.aspx)



TAMC Strategic Plan Mission Statement:

“Support Excellence in managing Michigan’s
Transportation Assets by:

- Advising the Legislature and the State
Transportation Commission

- Promoting Asset Management Principles

- Providing tools and practices for road
agencies”



TAMC Strategic Initiative on Bridges:

“Develop and implement a plan to promote and support bridge asset management practices on Michigan bridges, and integrate this plan with pavement asset management approaches.”

To that end, TAMC:

- Established a Bridge Committee
- Approved a Work Plan for Bridge Asset Management
- Aim is to promote and support Bridge Asset Management Practices in Michigan



- Bridge Asset Management Work Plan
 - Review of current practices in Michigan
 - Input from Federal Highway Administration
 - Informal scan of best practices around the country
 - Analyze and develop policy/best practice guide



- Bridge Asset Management Survey – February 2010
- Aimed at Michigan Local Bridge Owners
- 33 question survey looking for information and feedback on Bridge Asset Management practices and the proposed TAMC work plan

- Preliminary survey results:
 - 86% said they would find a Best Practice Guide helpful
 - 98% said that a Bridge Repair Matrix or fix guide would be helpful
 - 95% said that Bridge Maintenance Technical Guidance document would be helpful
 - 98% said that a Bridge Repair/Replacement Estimate Worksheet would be helpful

- Survey results (cont'd)
 - 98% said that guidance on repair priorities would be helpful
 - 10% said the condition of their bridges improved
 - 45% said the condition of their bridges worsened
 - 45% said the condition of their bridges stayed about the same



- Survey results (cont'd)
 - We asked about specific maintenance treatments – how many structures were treated in that manner and whether the work was done in-house or by contract
 - We asked if they used Pontis as part of their bridge management program
 - 43% said yes; 57% no
 - 36% of respondents said that they routinely budget an amount annually for bridge maintenance



- Survey results (cont'd)
 - Funding sources for Bridge Maintenance
 - Local – 44%
 - State – 5%
 - Federal – 3%
 - Federal and State – 8%
 - Federal, State and Local – 33%
 - Other – 8%



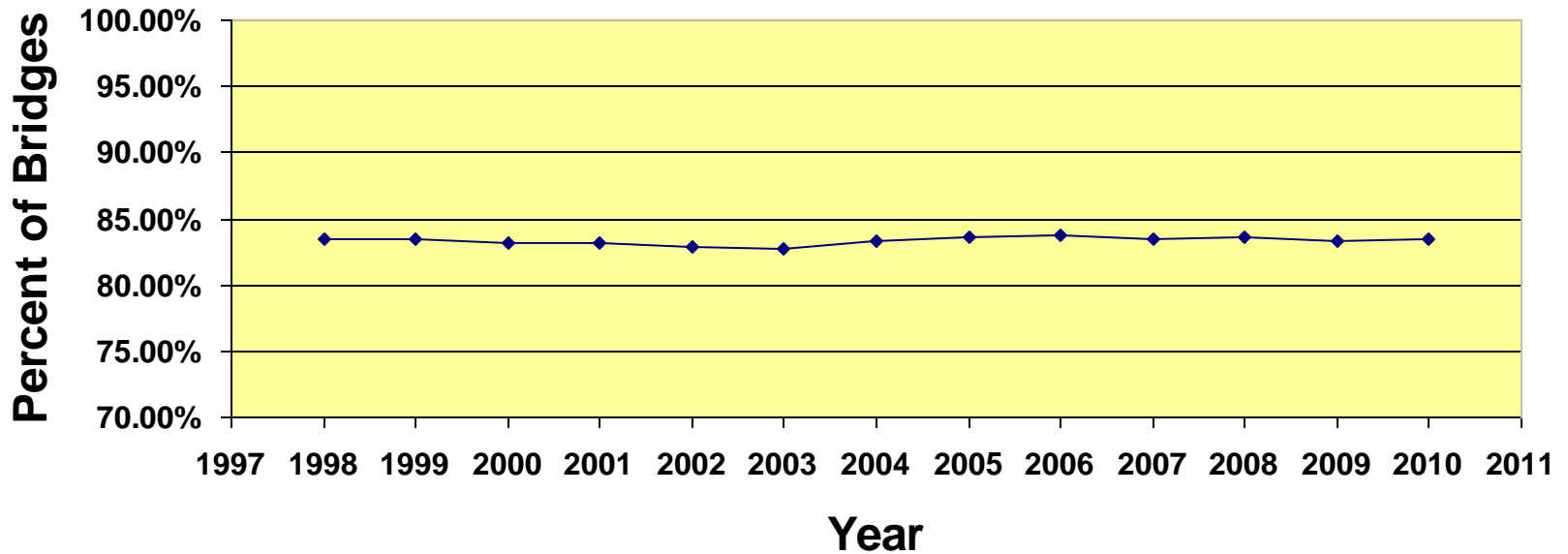
- Survey results (cont'd)
 - 82% said that they do not collaborate with other agencies in performing or contracting bridge maintenance work
 - 84% said they do not use warranties

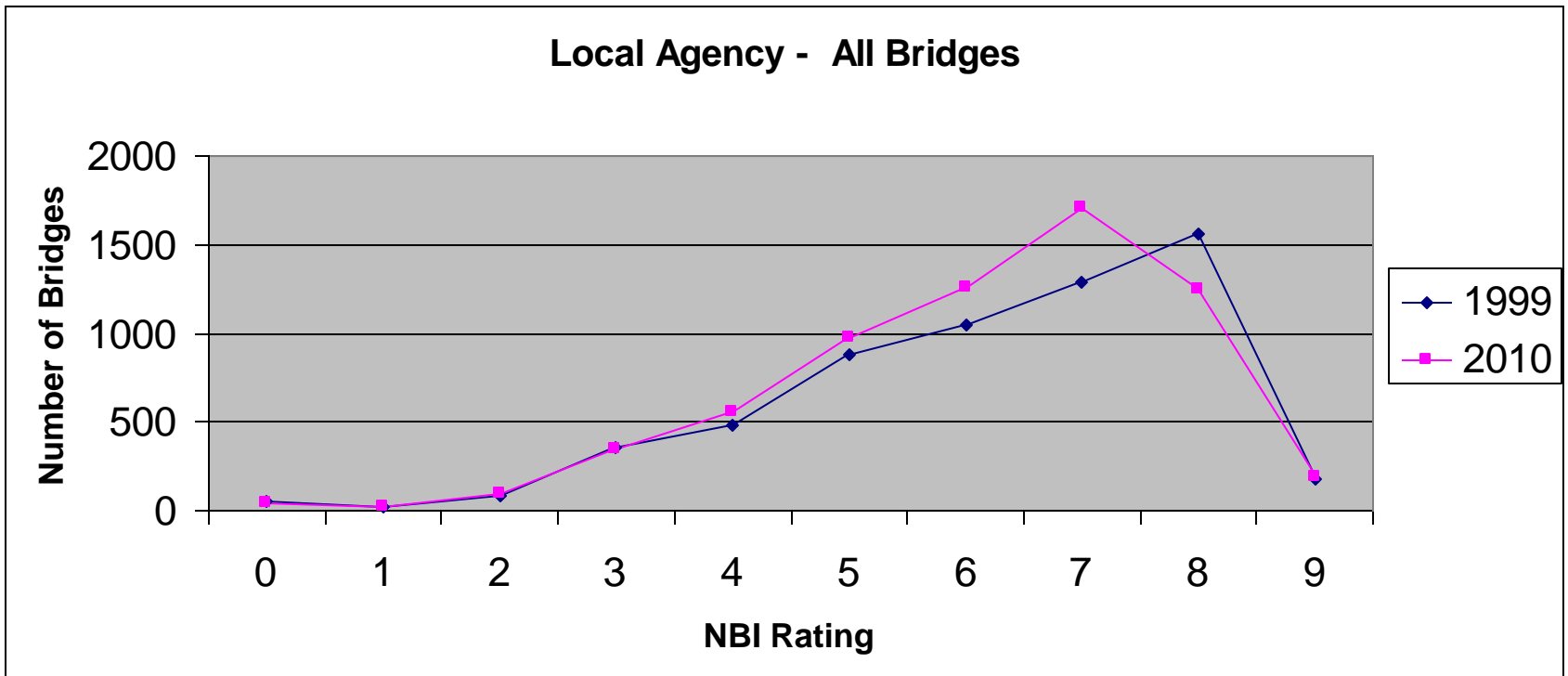
- Major findings of survey
 - Solid validation of TAMC Bridge Initiative
 - Support for bridge maintenance funding
 - Lack of funding the No. 1 issue

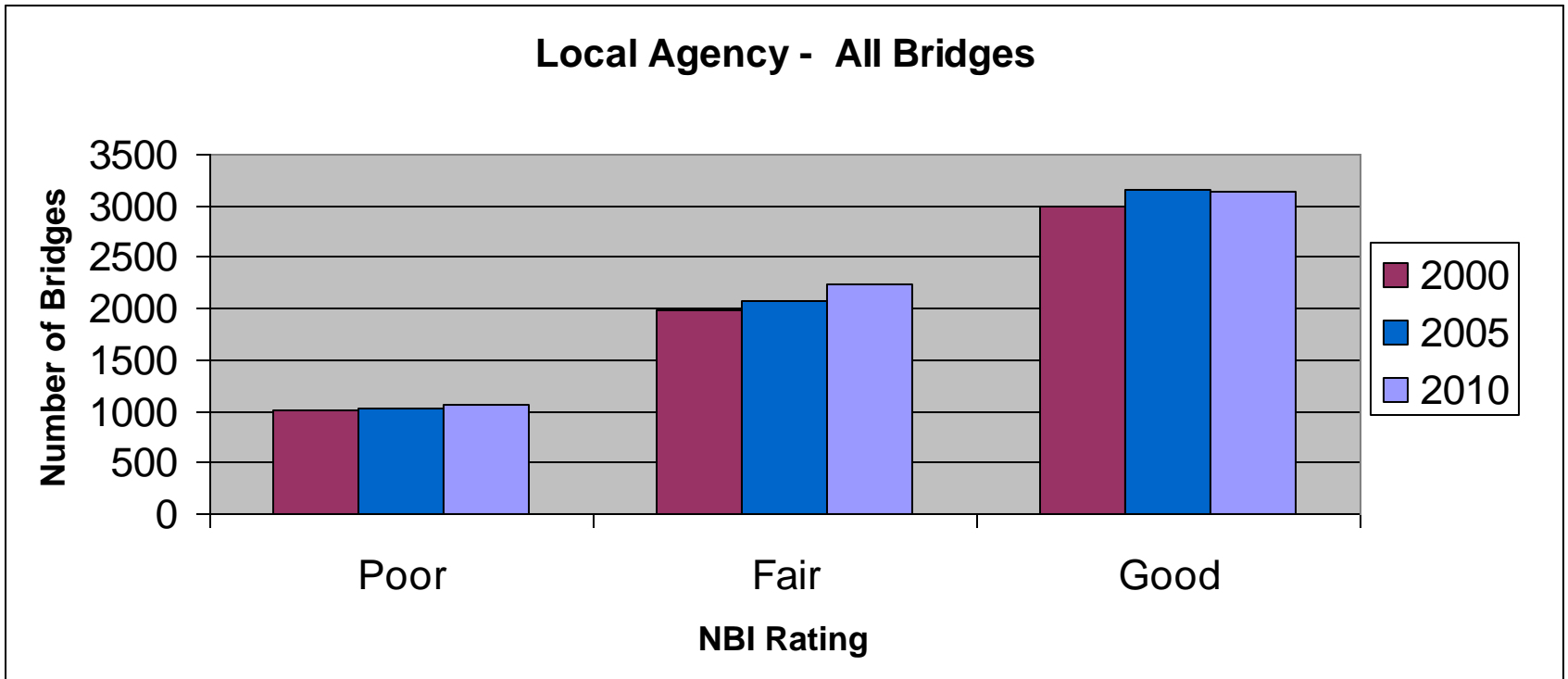


- TAMC Report to the STC and Legislature scheduled for May 2010
 - Road and Bridge Condition Report
 - Draft under development now
 - Bridge Committee has lead on Bridge portion of the report

Local Agency All Bridges Percent Good and Fair







- Next Steps for Bridge Committee
 - Review Survey results
 - Continue working scan of bridge maintenance practices
 - Seek final FHWA input on scope and content
 - Develop and publish draft guide for review and comment



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Questions?