



ASCE Michigan Section's 2018 Report Card on Michigan's Infrastructure

Steve Waalkes, P.E.

- Co-Chair, *Michigan Report Card Task Force*, 2016-present
- Past President, *ASCE Michigan Section*, 2017-18
- Past President, *ASCE Western Michigan Branch*, 2011-12



Background / Intro

Who is ASCE?

- 150,000+ members, worldwide
- ASCE Michigan Section has > 2,500 members
- Mission:
 - Advancement of technology
 - Encourage and provide the tools for lifelong learning
 - Promote professionalism and the profession
 - Influence public policy
 - Develop and support civil engineer leaders
 - Advocate investment in infrastructure
 - Promote the adoption of sustainable practices
 - Seek to "Raise the Bar" on engineering knowledge and competency



Background / Intro

ASCE Board of Directors, 2017-18

- President: Myndi Bacon, SME
- President Elect: Chris Owen, Advanced Drainage Systems
- Vice President: Jacob Rushlow, City of Livonia
- Treasurer: Tim Bradshaw, City of Kentwood
- Secretary: Andrew Rossell, AR Engineering
- Past President: Steve Waalkes, Michigan Concrete Assn.
- Executive Director: Ron Brenke

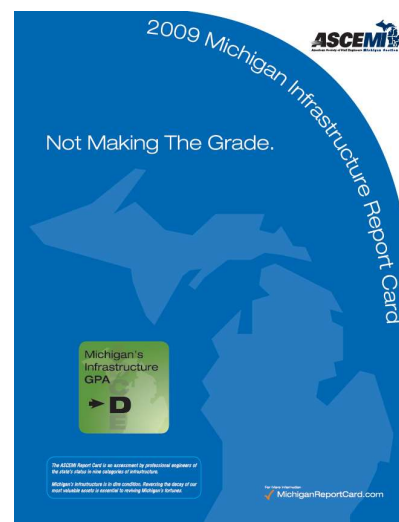


Timeline / History to Date

2009 Report Card

■ Ten categories of infrastructure:

■ Aviation	C
■ Bridges	C
■ Dams	D
■ Drinking Water	D
■ Energy	C-
■ Navigation	C-
■ Roads	D
■ Stormwater	D+
■ Transit	D+
■ Wastewater	C



Current Status of 2018 MI Report Card

Chapters Covered:

- Aviation
- Bridges
- Dams
- Drinking Water
- Energy
- Navigation
- Rail
- Roads
- Schools
- Solid Waste
- Stormwater
- Transit
- Wastewater

How Are We Doing?

- 3 categories ↑
- 3 categories ↓
- 4 categories ↔
- 3 new categories



How Do We Determine Grades?

Find a chair/champion for each category

- Have them put together a team of experts

Find Sources of Existing Data

- DOT, DNR, DEQ, FHWA, Dept. of Ed., Treasury, DoE, etc.

Assign a Grade to that Infrastructure Category

- Based on the following sections per category:
 - Capacity, condition, funding, future need, resilience, operation & maintenance, innovation, public safety.



Anything Else from the 2018 Report Card?

Solutions to Raise the Grade

- Support Innovative Policies
 - Asset management systems, better data on which to make better decisions
- Increase State Funding
 - Dedicated funding streams, independent of general fund budget
- Innovate and Look Ahead
- Prioritize Public Health and Safety
 - Flint, Rockford, Fraser, ??????????



What's Next?

Tuesday, March 6, 2018

- Official unveiling of the 2018 Report Card on Michigan's Infrastructure
- Capitol Building, 4th Floor
- Sen. Casperson, Mayor Kepley (Kentwood), Sue McCormick (GLWA)
- Print/Broadcast media, Social media

State Legislative Day

- Architects-Engineers-Surveyors
- ACEC, MSPE, AIA, MSPS
- Wed., March 21, 2018
- State Capitol Building



Also: ASCE DC Fly-In, March 13-14

Key Takeaways

Michigan's Infrastructure Still Needs a LOT of Work

- 2009 Report Card vs. 2018
- Rank in bottom 15% of states
- 21st Century Infrastructure Commission

Keep Pushing for Proper Funding and Policies

- Federal and state level

Promote Infrastructure as Critical to our Society

- Health/Safety
 - Water, Wastewater, Stormwater, Solid Waste
- Economy
 - Transportation, Energy, Schools



Thank you!

Stay Tuned for the March 6 event!

