

State Transportation Plan & State Freight Plan 2022 Updates

Commission Workshop
September 14, 2021



Discussion topics

- Needs analyses updates
- Next steps

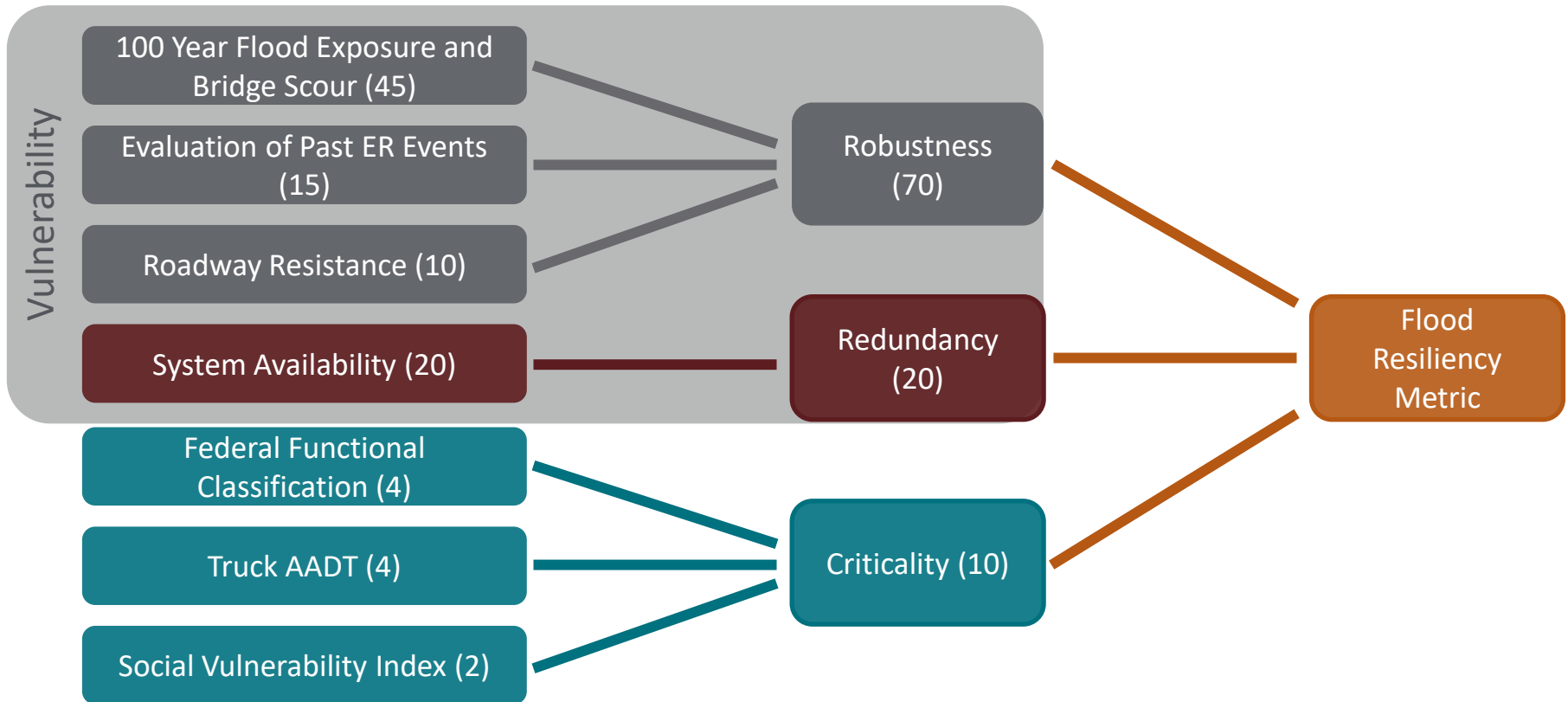
Critical analyses timeline

- Infrastructure condition analysis (ICE) – complete
- Operations analysis (ICE-OPS) – complete
- Bottlenecks analysis (INRIX) – complete
- Freight network updates – complete
- Resiliency analysis – complete
- Mobility/accessibility analysis – complete
- Capacity analysis (iTRAM) – in review
- Safety analysis – ongoing
- Modal systems analysis – ongoing

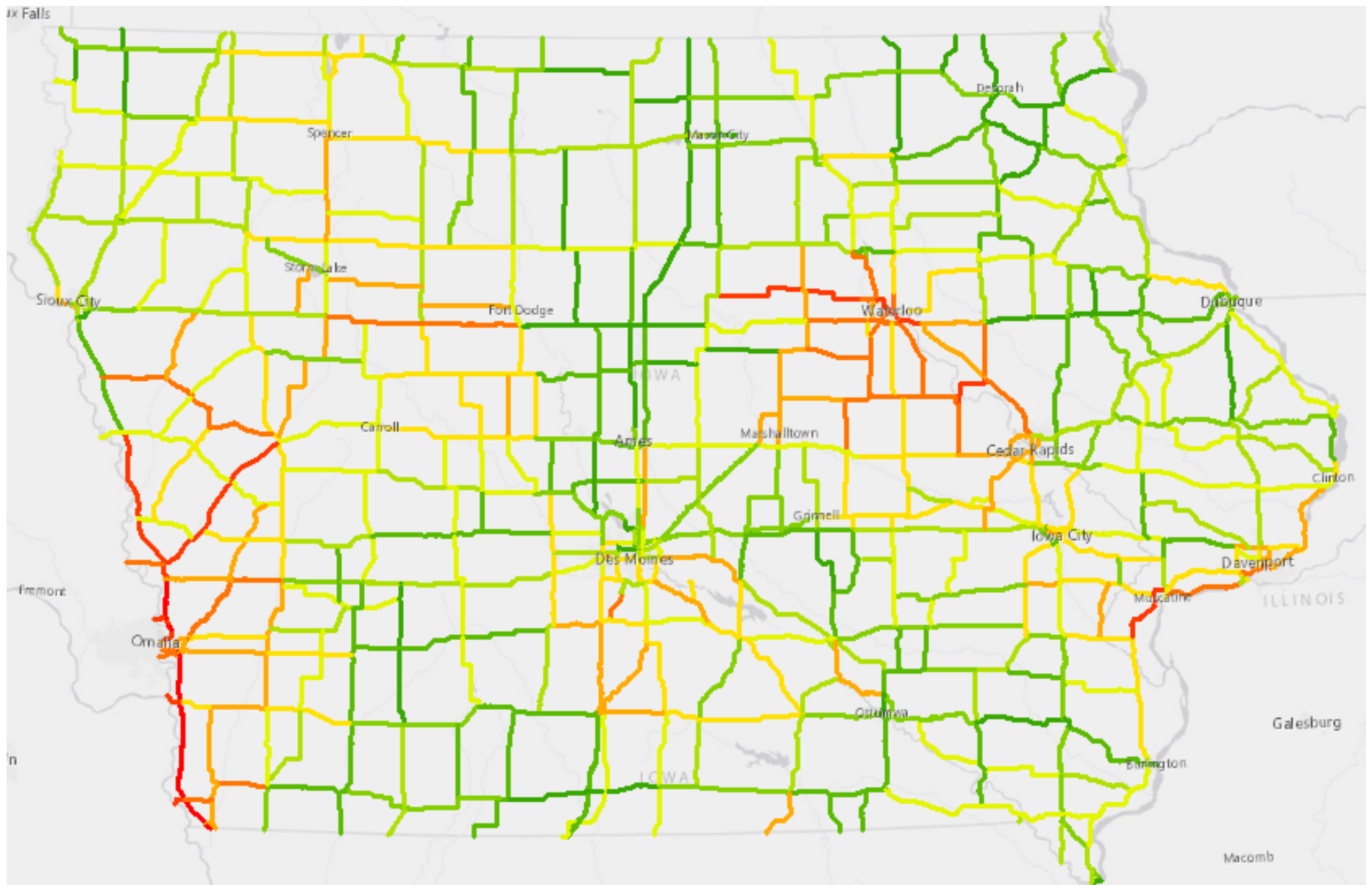
Resiliency analysis

- Objective: Screen the Primary Highway System to identify locations vulnerable to a 100-year flood event
- Methodology developed based on research of similar efforts nationally
- The internal Resiliency Working Group served as a technical steering committee

Evaluation methodology



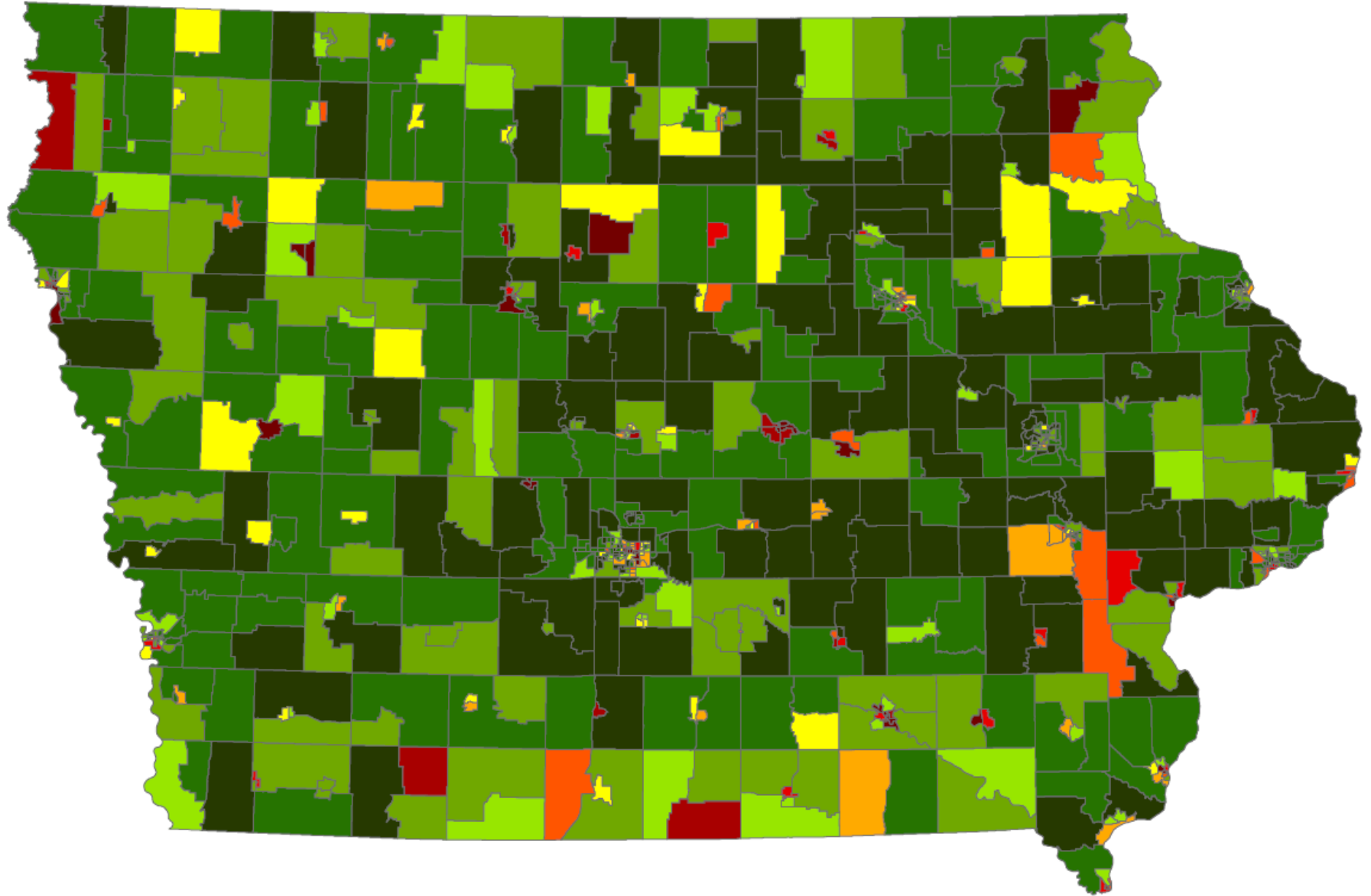
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Mobility/accessibility analysis

- Objective: Screen the state of Iowa to identify areas at greatest risk of mobility/ accessibility challenges
- Populations considered:
 - Under 18
 - 65 and over
 - Minority
 - Foreign-born
 - Limited English proficiency
 - With a disability
 - Income below poverty level
 - No vehicle available
 - College-enrolled
 - Single parent households

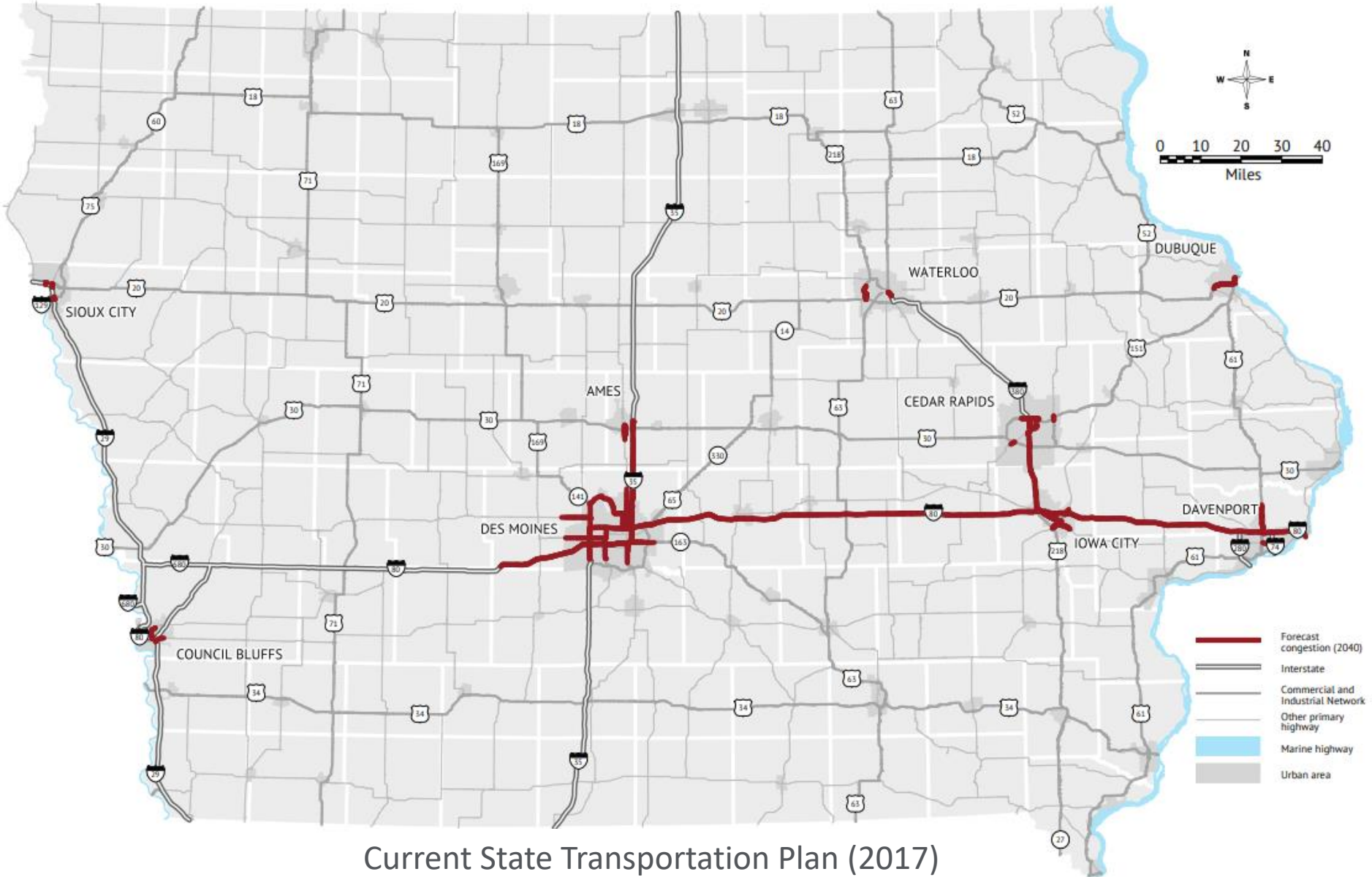
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Capacity analysis

- Objective: Screen the Primary Highway System to identify locations most likely to be approaching, at, or over capacity by 2050
- Refined methodology:
 - Start with locations of need from 2017 plan update
 - Review against latest tools and analysis (statewide and metropolitan travel demand models, project forecasts)
 - Identify locations to add/remove
 - Review with stakeholders

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Current State Transportation Plan (2017)

Wrap Up

- Critical next steps:
 - Complete needs analyses
 - Begin developing strategies and actions
- Next workshop discussion:
 - Transition into strategies and actions





QUESTIONS?



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