

State Transportation Plan Implementation Update

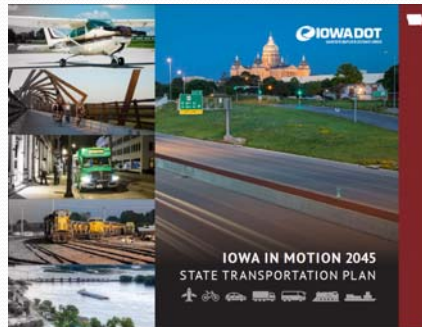
MPO/RPA Quarterly Meeting
December 19, 2018



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Background

- State Transportation Plan adopted by Iowa Transportation Commission May 2017
- Significant Plan implementation activity has taken place



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Strategies

- Plan included 80 strategies for Iowa DOT to work toward implementing across 12 modal/subject areas
 - Asset management
 - Aviation
 - Bicycle/pedestrian
 - Bridge
 - Energy
 - Freight
 - Highway
 - Public transit
 - Rail
 - Safety
 - Technology
 - Transportation system management and operation (TSMO)

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Strategy implementation

- Aviation
 - Starting development of aviation system plan update
 - Outreach and training on unmanned aircraft systems
- Bicycle/pedestrian
 - Completed Bicycle and Pedestrian Long-Range Plan
 - Complete Streets policy adopted; implementation beginning
 - Updating design guidelines
- Public transit
 - Applying for discretionary grants for bus replacement – three grant awards totaling \$14.9 million to replace 167 vehicles
 - Starting development of a public transit system plan
 - Park and ride plan implementation – three new park and ride locations created; counting users and collecting condition data at all lots
- Rail
 - Rail system plan completed

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Strategy implementation

- Bridge
 - Transitioning to new Bridge Management program for use in creating deterioration and funding models and developing condition forecasts
 - Applying for discretionary grants from FHWA's Competitive Highway Bridge Program
- Energy
 - IEDA/Iowa DOT joint Iowa Energy Plan completed
 - Propane study completed
 - Joint response planning in support of Iowa's Energy Assurance Plan
- Freight
 - Freight Plan updated to be FAST Act compliant
 - Linking Iowa's Freight Transportation System (LIFTS) program created to support freight intermodal and freight rail projects
 - Integrating considerations for the Iowa Multimodal Freight Network into the design process
 - Advancing efforts on Upper Mississippi River/M-35 Corridor

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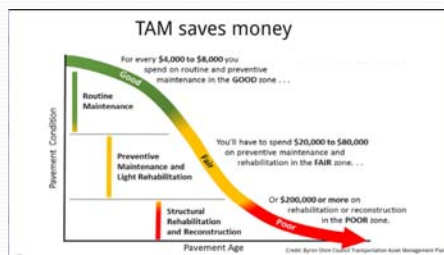
Strategy implementation

- Safety
 - 2019-2023 Strategic Highway Safety Plan update
 - Implementation of road diets on state and local projects
 - Integrating methodologies identified in AASHTO's Highway Safety Manual into the project development process to improve safety performance of the roadway
- Technology
 - New position created for Automated Transportation and ITS Program Manager
 - Incorporation of "pause points" to consider impacts of disruptive technology
- TSMO
 - Implementation of traffic incident management (TIM) to provide a systematic approach to managing highway incidents through coordination of emergency response and quick clearance
 - Integrated corridor management (ICM) studies of I-380 and the Des Moines area to analyze operational alternatives to improve system performance

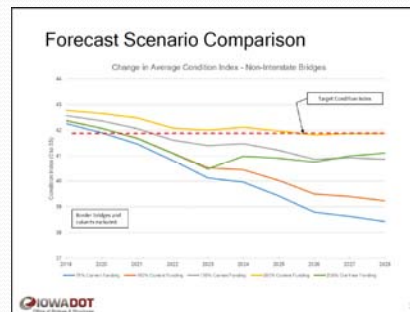
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Strategy implementation

- Asset management
 - Integration of asset management into department functions
 - Establishing the Transportation Asset Management (TAM) Implementation Team, TAM Technical Committee, and subcommittees for pavements, bridges, safety, and operations
 - Regular Commission presentations on asset management as part of program development
 - TAM Plan development/update
 - Development of the project prioritization and scoping tool



Slides from Commission presentations on asset management



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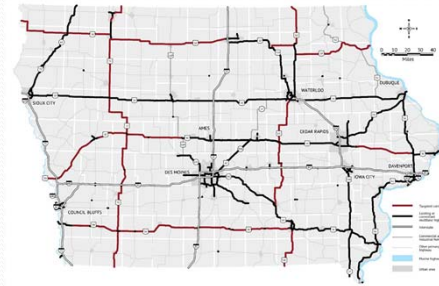
Strategy implementation

- Highway
 - Review of highway program candidates for Plan consistency
 - Additional funding for pavement/bridge stewardship needs
 - Targeting Interstate investments to capacity needs, including I-35 and I-80
 - Planning workshop to support development of Iowa Interstate Investment Plan
 - Studies related to right-sizing the system (e.g., overhead bridges, rest areas)

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Strategy implementation

- Highway
 - Super-2 implementation
 - Design guidance being developed
 - Passing “window” analysis of targeted corridors
 - Examination of 3R projects on targeted corridors



Mobility and safety of Super-2 corridors identified in Iowa in Motion 2045

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Implementation next steps

- Complete aviation system plan update (2020/2021)
- Integrate complete streets policy into project development process
- Complete public transit system plan (2020)
- Complete FAST Act compliant Transportation Asset Management Plan update and continue to enhance pavement and bridge management systems
- Complete current Planning and Environmental Linkages (PEL) and ICM studies; utilize these types of studies on appropriate corridors
- Super-2 implementation – finalize design guidelines; incorporate elements into planned projects
- Refine project prioritization tool and utilize in program development
- Continue to emphasize stewardship of the transportation system and maintaining a state of good repair

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Questions?

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