

# Iowa in Motion

Planning Ahead 2040

Iowa Transportation Commission

February 14, 2012



# Presentation outline

- Recap
  - Document outline
  - Public input schedule
  - Plan adoption schedule
- New material
  - Chapter 7: Making it happen (final chapter)

# Document outline

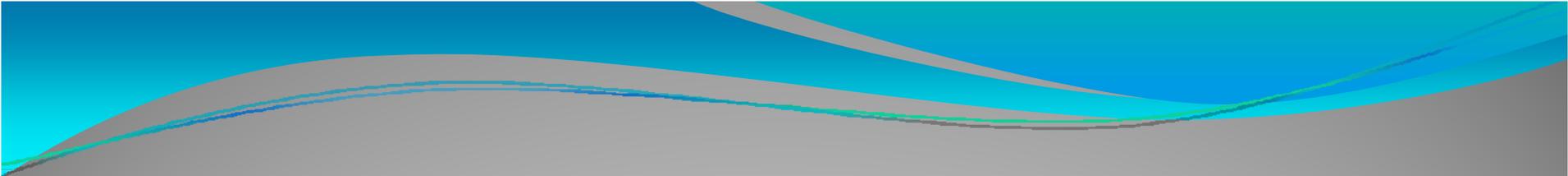
- Chapter 1: Looking ahead to 2040 (May)
- Chapter 2: Understanding Iowa (September)
- Chapter 3: Planning considerations (October)
- Chapter 4: Measuring our system condition (October)
- Chapter 5: Choosing our path (May)
- Chapter 6: Paying our way (January)
- **Chapter 7: Making it happen**

# Schedule

- Presented previously: Chapters 1-6
- Today: Chapter 7
  
- February 15-March 30: Public input period
- March-April: Final editing
- April workshop: Public input summary, Full draft
- May business meeting: Adoption

# Public meeting schedule

- Tuesday, March 6<sup>th</sup>: District 3, Sioux City
- Thursday, March 8<sup>th</sup>: District 2, Mason City
- Tuesday, March 13<sup>th</sup>: District 1, Ames
- Thursday, March 15<sup>th</sup>: District 4, Atlantic
- Tuesday, March 20<sup>th</sup>: District 5, Fairfield
- Thursday, March 22<sup>nd</sup>: District 6, Cedar Rapids



# Chapter 7

Making it happen

# Addressing the shortfall

- First section deals with addressing the funding shortfalls identified in the preceding chapter.
- Appendix 1: Revenue generating mechanisms
  - Primarily derived from 2008 TIME-21 funding analysis
  - Some new options identified during CAC (ag bushel tax)
- Summarizes CAC activities and input received, as well as “principles” related to revenue generation.

# Programming

- Second section deals with the development of Iowa's Five-Year Transportation Improvement Program
- Highway programming process:
  - Identifying projects
  - Establishing programming objectives
  - Evaluating potential projects
  - Developing the final program
- Modal (application-based) processes:
  - Solicit applications
  - Evaluate eligible applications
  - Develop a funding recommendation
  - Present recommendation to the Commission

# Performance monitoring

- Third section deals with the process of performance monitoring.
- How well is the transportation system performing relative to stated goals/expectations?
- Performance measures are a common tool used to answer this question.
- Draft performance measures developed in consultation with other Iowa DOT staff.

# Performance measures

- Many measures previously established in the department performance plan and modal system plans
- Also, 2006 CTRE report *Performance Measure for Iowa's Transportation Systems*
- Some included for tracking purposes- not directly impacted by Iowa DOT activities \*
- Benchmark data: Where do we stand right now?

# Aviation Performance Measures

<b>Safety</b>	<b>Efficiency</b>	<b>Quality of Life</b>
Percentage of airports with clear runway approaches (Benchmark: 37%)	Percentage of airports with a pavement condition index of 70 or above on paved runways (Benchmark: 87%)	*Percentage of Iowans within a two-hour drive of commercial air service (Benchmark: 99%)
Percentage of cities/counties that have comprehensive planning that addresses land use around their airport (Benchmark: 43%)	Percentage of airports that meet all facility targets for their role (Benchmark: 61%)	*Percentage of employment within a half-hour drive of a Commercial Service or Enhanced Service airport (Benchmark: 78%)
	Percentage of airports that store all based aircraft in covered hangars (Benchmark: 78%)	*Percentage of Commercial Service, Enhanced Service, and General Service airports that offer aircraft rental and flight instruction (Benchmark: 83%)
		Percentage of airports that meet 75% of service targets for their role (Benchmark: 70%)

# Bike/Ped Performance Measures

Safety	Efficiency	Quality of Life
Annual number of bicycle and pedestrian fatalities from on-road crashes (Benchmark: 8)	Percentage of off-road trails construction less than 20 years old (Benchmark: 73%)	Miles of off-road trails (Benchmark: 1,616)
Annual number of on-road, reported bicycle and pedestrian crashes (Benchmark: 412)	Percentage of Level 1 trail mileage complete (Benchmark: 44%)	Percentage of public transit vehicles equipped with bicycle racks (Benchmark: 45%)
Number of Safe Routes to School projects in Iowa (Benchmark: 72)		

# Highway Performance Measures

Safety	Efficiency	Quality of Life
Overall crash rate (Benchmark: 171 crashes/100 million VMT)	Percentage of highway miles that meet or exceed a sufficiency rating of tolerable or above (Benchmark: 73%)	Percentage of interstate system operating at level of service 'C' or better (Benchmark: 95.4%)
Number of fatalities (Benchmark: 364)	Percentage of bridges on primary system that are structurally deficient or functionally obsolete (Benchmark: 11.7%)	Average international roughness index (IRI) rating weighted by length on the primary highway system (Benchmark: 1.74)
Miles of new paved shoulders awarded for construction on the primary highway system (Benchmark: 471.5)	*Highway fuel use per vehicle-mile (Benchmark: 0.0729 gallons per vehicle-mile)	*Total annual vehicle miles traveled (Benchmark: 31,579,000,000)
The overall annual percentage of all districts' A and B highway miles returned to a reasonable, near-normal surface condition within 24 hours after the end of a winter storm (Benchmark: 98.6%)	Percentage of primary system below pavement condition index (PCI) cutoff across all planning classes (Benchmark: 34.5%)	

# Public Transit Performance Measures

Safety	Efficiency	Quality of Life
Percentage of public transit fleet with security cameras on-board (Benchmark: 41.4%)	Percentage of public transit fleet operating within FTA's normal useful life standards (Benchmark: 51%)	Percentage of public transit fleet with GPS on-board (Benchmark: 33.3%)
Public transit crash rate (Benchmark: 593 crashes per 100 million VMT)	Percentage of public transit systems with in-house routine and preventative maintenance capabilities (Benchmark: 71.4%)	*Percentage of total employment within ¼ mile of fixed route transit service (Benchmark: 43%)
*Percentage of negative drug and alcohol tests among drivers (Benchmark: 99.2%)	Number of public transit agencies practicing mobility management (Benchmark: 15 of 35 agencies)	Annual non-emergency medical transportation ridership (Benchmark: 76,610)
Percentage of fixed route bus stops with shelters (Benchmark: 3%)		*Annual statewide transit ridership (Benchmark: 26,209,999)

# Rail Performance Measures

Safety	Efficiency	Quality of Life
Total crashes at rail/highway crossings (Benchmark: 55)	Percentage of track-miles able to operate at 40 mph or higher (Benchmark: 69.8%)	Percentage of Iowans within a two-hour drive of a passenger rail station (Benchmark: 72%)
*Derailments per million ton-miles (Benchmark: 0.002)	Percentage of track-miles able to handle 286,000-pound cars (Benchmark: 82%)	*Annual passenger rail ridership (Benchmark: 68,744)
	*Rail ton-miles per gallon of fuel (Benchmark: 500)	

# Keys to making it happen

- Maintain and strengthen the Iowa DOT's partnership with the state's metropolitan planning organizations (MPOs) and regional planning affiliations (RPAs).
- Update the Plan as needed given recent developments and progress towards implementation.
  - Future federal legislation may include new requirements for statewide transportation plans (including specific requirements for periodic update).
  - In the meantime, it is important that the Plan be “continuously evaluated, revised, and periodically updated” in accordance with 23 CFR 450.214(o).

# Wrap up

- Chapter 7 will be posted to department website for broader review and comment
  - <http://www.iowadot.gov/iowainmotion/state.html>
- Reminder:
  - February 15-March 30: Public input period
  - April workshop: Public input summary, Full draft
- Questions or comments?