

State Transportation Plan & State Freight Plan 2022 Updates

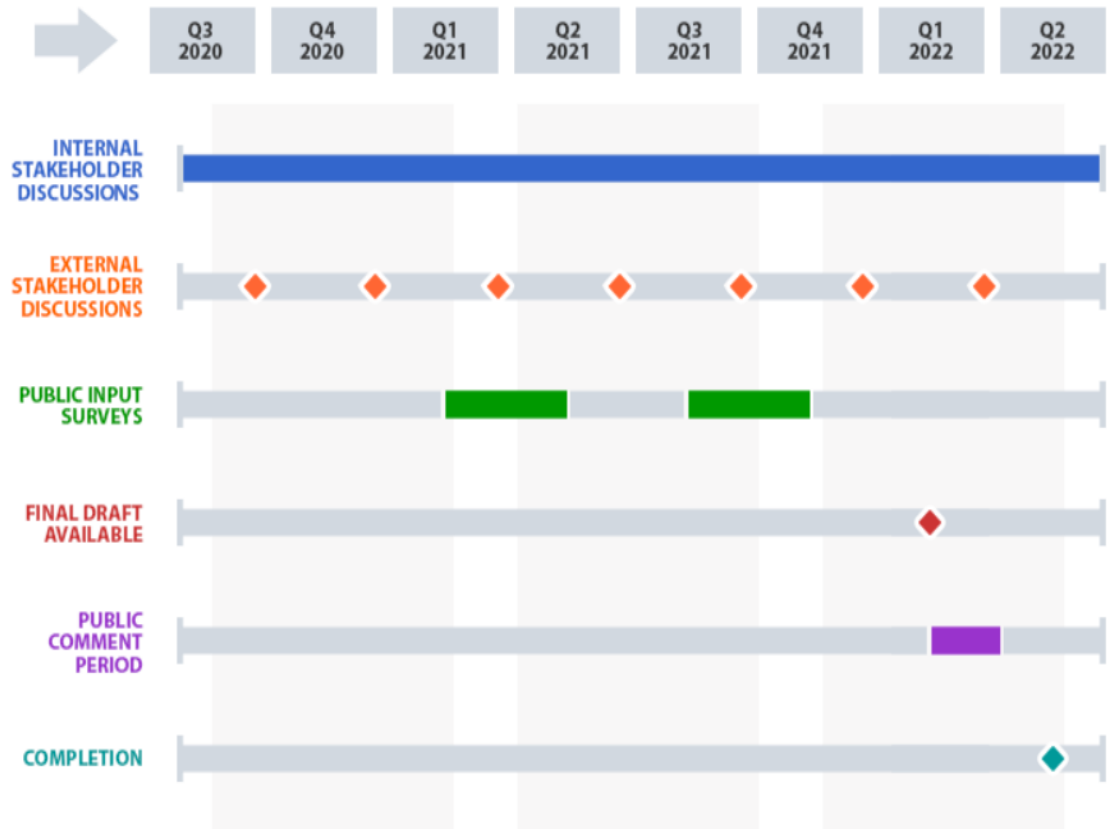
Commission Workshop
April 12, 2021



Agenda

- Update timeline & status
- System objectives development
- Freight goals development
- Wrap up

Timeline



- Critical next step: public input survey
- Working towards:
 - Early 2022 draft
 - May 2022 completion

STATE TRANSPORTATION PLAN AND STATE FREIGHT PLAN UPDATES

iowadot.gov/iowainmotion




The screenshot shows a web browser window displaying the Iowa DOT website. The page features a navigation menu with links for HOME, ONLINE SERVICES, TRAVEL, DRIVERS / VEHICLES, BUSINESS, FORMS, and ABOUT. A search bar is located in the top right. The main content area is titled "IOWA IN MOTION" and "TRANSPORTATION PLAN UPDATES". It states that Iowa DOT is currently updating two of its overarching transportation plans: the State Long-Range Transportation Plan and the State Freight Plan. Both are scheduled to be completed in spring 2022. Below this text are two call-to-action buttons: "2022 STATE LONG-RANGE TRANSPORTATION PLAN UPDATE" and "2022 STATE FREIGHT PLAN UPDATE". The left sidebar contains a menu with options like "LONG-RANGE TRANSPORTATION PLANS", "MODAL PLANS", "SPECIALIZED/SYSTEM PLANS", "BUREAUS", and "BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE". A "COMMISSION" button is visible on the right side of the page. The footer includes links for LOGIN, EMPLOYEES, POLICIES AND STATEMENTS, CAREERS, PLUG-INS, and CONTACT, along with social media icons for Twitter, Facebook, Pinterest, YouTube, Instagram, Email, RSS, and mobile app icons for Android and Apple.

System Objectives

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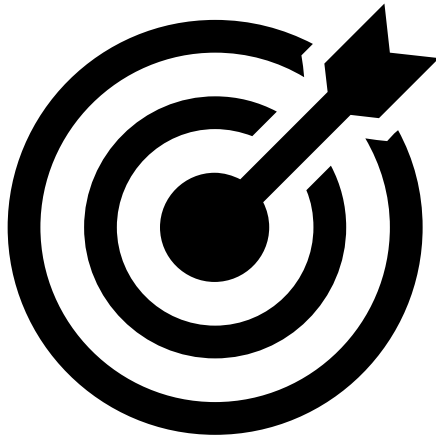
Benefit of clear system objectives

- Decision-support simplified:
 1. Identify needs (in current SLRTP)
 2. Prioritize among those needs (not in current SLRTP)
- Needs identification in current SLRTP
 -  Multi-modal analysis
 -  Multi-factor analysis
 -  Specific (e.g., corridor-level needs)
 - But priority lacks definition
 - Stewardship #1, otherwise need vs. no need

Benefit of clear system objectives

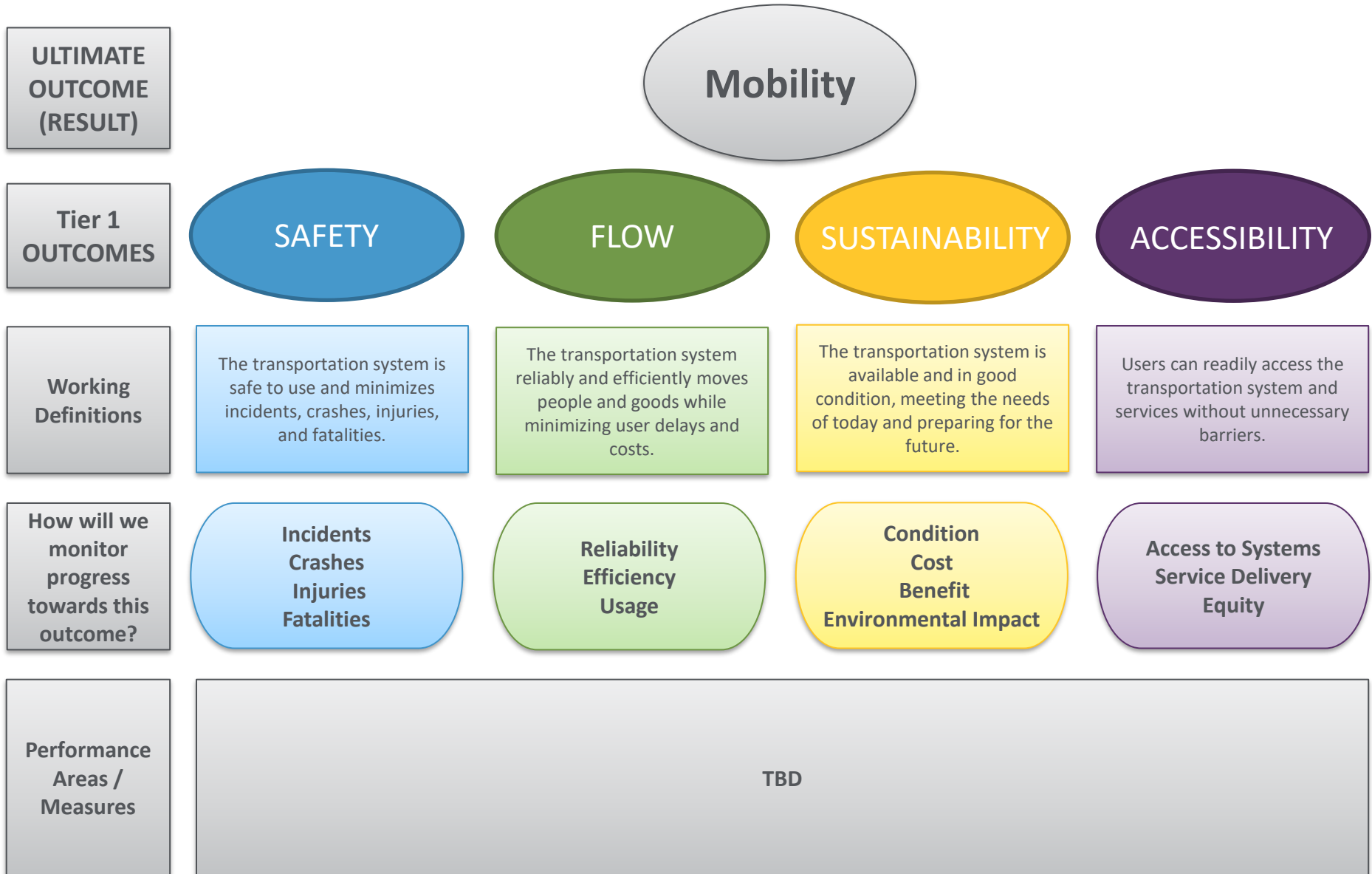
- How to support prioritization
 - First, what are we trying to achieve on our system?
 - i.e., **system objectives**
- Prior related work with mobility outcomes:
 - **Safety, Flow, Sustainability, Accessibility**
 - Outcomes synonymous with objectives, in this context
 - Internal steering committee supports this approach

Benefit of clear system objectives



- Provides adaptable framework for measurement and prioritization across modes
 - Business units align to these objectives
 - Create measures/evaluation criteria for programs, applications, tools
- Unifies and aligns:
 - Long-range planning
 - Performance management
 - Asset management
 - Project prioritization

STATE TRANSPORTATION PLAN AND STATE FREIGHT PLAN UPDATES



Feedback?



Thoughts on adapting mobility outcomes to SLRTP system objectives?



Blind spots in Safety, Flow, Sustainability, Accessibility?



Other comments?

Freight Goals

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Freight goals status

- ✓ • Guidance from FHWA
- ✓ • Determine goals to include
- ✓ • Input from Freight Advisory Council
- ✓ • Input from Internal Planning Steering Committee
 - Input from the Commission
 - Ultimately relate to SLRTP system objectives

Areas of focus



SAFETY

Improve the **safety, security, and resilience** of the national freight system.

INFRASTRUCTURE

Modernize **freight infrastructure and operations** to grow the economy, increase competitiveness, and improve quality of life.

INNOVATION

Prepare for the future by supporting the development of **data, technologies, and workforce capabilities** that improve freight system performance.

Industry perspective

SAFETY

Accidents

(totals, severity, causes, claims)

Safety scores

Labor force

(training, adherence to requirements)

Investment

(totals, cost, upgrades)

Operations

(mitigating impacts)

INFRASTRUCTURE

Condition

(roads, tracks, locks)

Maintenance

(inspections, plans)

Operations

(mitigating impacts, congestion reporting, connections)

Investment

(totals, cost)

Performance

(total assets, costs of shipping, reliability)

INNOVATION

Efficiency

(time, fuel, reliability)

Productivity & profitability

(automation, costs, competitiveness)

Labor force

(training, satisfaction, jobs added)

Technologies

(tracking, electronic HOS, PTC, automation)

OTHER

Economics

(jobs, global competitiveness, value of shipments)

Sustainability

(funding, environmental)

Intermodal & multimodal

(connections)

Any
additional
feedback?

SAFETY

INFRASTRUCTURE

INNOVATION

Wrap Up

- Critical next step:
 - Public input survey
- Next Commission workshop discussion:
 - Possible summary of initial public input
 - System condition and needs analyses





QUESTIONS?



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