Input Exercises
Input Exercise
State Freight Plan
Stakeholder Input Gathering

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FREIGHT WHITE PAPERS | | | | | 
FREIGHT PLAN DOCUMENT OUTLINE | | 1 | | | 
REVISED FREIGHT PLAN DOCUMENT OUTLINE | | | 1 | | 
FREIGHT MOBILITY ISSUES EXERCISE AND SURVEY | | | | 1 | 
FREIGHT GOALS EXERCISE | | | | | 
REVISED FREIGHT PLAN DEVELOPMENT TIMELINE | | | | | 
PERFORMANCE MEASURES EXERCISE | | | | | 
IMPLEMENTATION STRATEGIES AND IMPROVEMENTS | | | | | 
ISSUES-BASED WORKSHOP | | | | | 

General freight plan development
Industry trends and issues
Conditions of the system
Performance measures
Implementation strategies and improvements

Start of plan development
Reset timeline
2016 IOWA RAIL PLAN
You may suggest additional strategies or improvements to strategies.

You will vote on the level of impact and effort that each strategy would have on freight movement in the state.
Draft Freight Strategies

1. Maximize the advantages inherent to Iowa’s geographic proximity
2. Explore/create other funding sources to increase investment in the freight transportation system
3. Target investment to address mobility issues that impact freight facilities
4. Utilize designs that are compatible with oversize/overweight freight movements
5. Target investment on the interstate system at a level that reflects the importance of this system for moving freight
Draft Freight Strategies

6. Right-size the highway system and apply cost-effective solutions to locations with existing and anticipated issues

7. Advance a 21st century farm-to-market system that moves products seamlessly across road, rail, and water to global marketplaces

8. Implement asset management tools and practices and promote their use at the local level

9. Optimize the freight transportation network to minimize cost and travel time and improve supply chain efficiency

10. Optimize the availability and use of freight shipping containers
Draft Freight Strategies

11. Explore opportunities for increasing value-added production within the state
12. Promote freight movement and continue to advance efforts on the M-35 Marine Highway Corridor and M-29 Marine Highway Connector
13. Provide real-time information on system conditions to support the movement of freight
14. Leverage real-time information from users of the system to support advanced decision-making and incident avoidance
15. Provide measured, clear, non-technical performance results for the freight system
16. Streamline and align freight-related regulations and minimize unintended consequences
17. Act as a point of contact and educator on freight transportation options
How to Use the Survey Device

» Technology - Turning Point Technologies Audience Survey Devices

» Time Limit - Approximately 30 seconds per question

  » Read the presentation slide and determine your answer.

  » Press the corresponding number on your device that matches the entry for which you are voting.

  » Your device will light up to show your vote was cast.

  » You can change or re-enter your vote during the voting period; the device will only record your last answer.

» Let’s practice!
**TEST:** What is your favorite kind of cake?

1. White cake with white frosting
2. Yellow cake with chocolate frosting
3. Chocolate cake with chocolate frosting
4. Chocolate cake with cream cheese frosting
5. I like every kind of cake!
Practice Poll

» Any questions or concerns?

» Let’s begin!
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Maximize the advantages inherent to Iowa’s geographic proximity*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

Mean =
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Maximize the advantages inherent to Iowa’s geographic proximity*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

**Mean =**
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Explore/create other funding sources to increase investment in the freight transportation system*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
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Mean =
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

**Explore/create other funding sources to increase investment in the freight transportation system**

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Target investments to address mobility issues that impact freight facilities*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

Mean =
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Target investments to address mobility issues that impact freight facilities*

1. **Minimal Effort** to accomplish Desired Outcome
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3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Utilize designs that are compatible with oversize/overweight freight movements*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

Mean = 

Slide 18
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Utilize designs that are compatible with oversize/overweight freight movements*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Target investments on the interstate system at a level that reflects the importance of this system for moving freight*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
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*Target investments on the interstate system at a level that reflects the importance of this system for moving freight*

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4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Right-size the highway system and apply cost-effective solutions to locations with existing and anticipated issues*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

Mean =
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Right-size the highway system and apply cost-effective solutions to locations with existing and anticipated issues*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

**Mean =**
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Advance a 21st century farm-to-market system that moves products seamlessly across road, rail, and water to global marketplaces*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

Mean =
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

**Advance a 21st century farm-to-market system that moves products seamlessly across road, rail, and water to global marketplaces**

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Implement asset management tools and practices and promote their use at the local level*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Implement asset management tools and practices and promote their use at the local level*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome
To what level of impact will this strategy optimize freight operations in the State of Iowa?

Optimize the freight transportation network to minimize cost and travel time and improve supply chain efficiency

1. No Impact on the Desired Outcome
2. Minor Impact on the Desired Outcome
3. Some Impact on the Desired Outcome
4. Significant Impact on the Desired Outcome
5. Greatest Impact on the Desired Outcome
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Optimize the freight transportation network to minimize cost and travel time and improve supply chain efficiency*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Optimize the availability and use of freight shipping containers*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome
To what level of effort will this strategy optimize freight operations in the State of Iowa?

Optimize the availability and use of freight shipping containers

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Explore opportunities for increasing value-added production within the state*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Explore opportunities for increasing value-added production within the state*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

![Effort Level Chart](_chart.png)
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

_Promote freight movement and continue to advance efforts on the M-35 Marine Highway Corridor and M-29 Marine Highway Connector_
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Promote freight movement and continue to advance efforts on the M-35 Marine Highway Corridor and M-29 Marine Highway Connector*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean = [Graph showing distribution of effort levels]
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Provide real-time information on system conditions to support the movement of freight*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

$$\text{Mean} =$$
To what level of effort will this strategy optimize freight operations in the State of Iowa?

*Provide real-time information on system conditions to support the movement of freight*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Leverage real-time information from users of the system to support advanced decision-making and incident avoidance*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

Mean = 0% 0% 0% 0% 0%
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Leverage real-time information from users of the system to support advanced decision-making and incident avoidance*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of impact will this strategy optimize freight operations in the State of Iowa?

*Provide measured, clear, non-technical performance results for the freight system*

1. No Impact on the Desired Outcome
2. Minor Impact on the Desired Outcome
3. Some Impact on the Desired Outcome
4. Significant Impact on the Desired Outcome
5. Greatest Impact on the Desired Outcome

Mean = [Graph showing impact levels]
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Provide measured, clear, non-technical performance results for the freight system*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
3. **Moderate Effort** to accomplish Desired Outcome
4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of **impact** will this strategy optimize freight operations in the State of Iowa?

*Streamline and align freight-related regulations and minimize unintended consequences*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

![Impact Levels Chart]

**Mean =**
To what level of **effort** will this strategy optimize freight operations in the State of Iowa?

*Streamline and align freight-related regulations and minimize unintended consequences*

1. **Minimal Effort** to accomplish Desired Outcome
2. **Minor Effort** to accomplish Desired Outcome
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4. **Significant Effort** to accomplish Desired Outcome
5. **Greatest Effort** to accomplish Desired Outcome

Mean =
To what level of impact will this strategy optimize freight operations in the State of Iowa?

*Act as a point of contact and educator on freight transportation options*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome

Mean =
To what level of effort will this strategy optimize freight operations in the State of Iowa?

*Act as a point of contact and educator on freight transportation options*

1. Minimal Effort to accomplish Desired Outcome
2. Minor Effort to accomplish Desired Outcome
3. Moderate Effort to accomplish Desired Outcome
4. Significant Effort to accomplish Desired Outcome
5. Greatest Effort to accomplish Desired Outcome

Mean =
Issues Matrix Exercise
Five minute break
Results

BIGGEST BANG

MODERATE PRIORITY

MODERATE PRIORITY

LOWEST PRIORITY

IMPACT

HIGH

LOW

EFFORT

HIGH

LOW
Input Exercise
State Rail Plan
State Rail Plan Draft Vision Statement

A safe and efficient state rail system that enables the economic wellbeing of Iowans by expanding access and enhancing mobility for people and goods in an environmentally sustainable manner.
Draft Rail Plan Objective Exercise

- Groups will discuss the draft goals and current corresponding, draft objectives and identify any additional objectives that could be considered.
- Facilitators will rotate to each group every 20 minutes.
- Instructions:
  - Each facilitator will have two goals and will ask participants to identify any additional objectives needed for the corresponding goals.
  - Facilitators will scribe responses.
## Goals, Objectives

### Goals

#### Enhance the Safety & Security of the Rail System
1. Minimize accidents, injuries and fatalities at highway at-grade crossing in Iowa
2. Continue Grade Crossing Safety Improvement Actions
3. Provide Public Education Programs
4. Continue to build upon coordination with and between the railroads
5. Reduce track-caused accidents
6. Monitor crude oil and ethanol routes for safety

#### Maintain the Rail Infrastructure
1. Upgrade rail line segments and bridges to accommodate heavier railcars and address aging infrastructure to meet current/future needs of modern rail transport
2. Continue to promote the research opportunities for intermodal and transload facilities
3. Support the improvement of passenger rail service throughout the state
4. Leverage public-private partnerships for funding rail improvements

#### Provide Access and Connectivity
1. **Passenger Rail**
   1. Improve existing station facilities
   2. Encourage multimodal integration with transit, air and highway travel.
   3. Continue to study the implementation of enhanced passenger rail services on existing corridors and new service on intercity corridors
   4. Support a federal funding program for passenger rail initiatives
2. **Freight Rail**
   1. Continue to promote the research opportunities for intermodal and transload facilities
   2. Continue to promote railroads and a shipping option for new and existing customers
   3. Fund feasibility studies
## Goals, Objectives

<table>
<thead>
<tr>
<th>Goals</th>
<th>Objectives</th>
</tr>
</thead>
</table>
| Improve Efficiency                         | 1. Upgrade rail line segments and bridges to accommodate heavier railcars and meet current/future needs of modern rail transport  
2. Leverage public-private partnerships for funding rail improvements  
3. Capacity improvements, especially on short lines  
4. Promote yard or interchange improvements |
| Ensure Economic Competitiveness and Development | 1. Encourage new and enhanced industrial spurs or industrial parks when suitable  
2. Continue to support efforts that attract and sustain businesses in Iowa  
3. Encourage economic development in Iowa through investments in rail system  
4. Improve access to the national rail network via new or enhanced industrial leads and spurs  
5. Continue to promote the research opportunities for intermodal and transload facilities  
6. Upgrade rail line segments and bridges to accommodate heavier railcars  
7. Leverage public-private partnerships for funding rail improvements |
| Sustain the Environment                    | 1. Reduce transportation-related congestion and air pollution  
  1. Provide assistance for rail infrastructure improvements  
  2. Promote the environmental benefits of rail transportation (passenger and freight)  
  3. Promote use of emission reduction technologies |
Goal Input Process

- First, we will discuss the draft goals identified for the State Rail Plan.
- You may suggest additions to existing draft goals that are not included to date.
- We will then vote and discuss each goal.
- Outcome: Refined goals.
To what level of impact will this goal optimize rail operations in the State of Iowa?

Enhance the safety and security of the rail system
This could lead to grade crossing safety improvements, public education program, enhanced coordination between railroads

1. No Impact on the Desired Outcome
2. Minor Impact on the Desired Outcome
3. Some Impact on the Desired Outcome
4. Significant Impact on the Desired Outcome
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To what level of impact will this goal optimize rail operations in the State of Iowa?

*Maintain the infrastructure*

*Improvements such as 286,000 (track and bridge upgrades); new and enhanced industrial spurs or industrial parks; development of an intermodal facility*

1. No Impact on the Desired Outcome
2. Minor Impact on the Desired Outcome
3. Some Impact on the Desired Outcome
4. Significant Impact on the Desired Outcome
5. Greatest Impact on the Desired Outcome
To what level of impact will this goal optimize rail operations in the State of Iowa?

*Provide access and connectivity*

*Advances to improve existing station facilities used by Amtrak, improve connectivity with existing and potential future transit systems and airports in Iowa*

1. **No Impact** on the Desired Outcome
2. **Minor Impact** on the Desired Outcome
3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome
To what level of impact will this goal optimize rail operations in the State of Iowa?

**Improve efficiency**

*Improve the capacity, efficiency, and safety of railroad operations in Iowa*

- 1. **No Impact** on the Desired Outcome
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- 3. **Some Impact** on the Desired Outcome
- 4. **Significant Impact** on the Desired Outcome
- 5. **Greatest Impact** on the Desired Outcome
To what level of impact will this goal optimize rail operations in the State of Iowa?

**Ensure economic competitiveness and development**

*Developments that would support business in Iowa*

1. **No Impact** on the Desired Outcome
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3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
5. **Greatest Impact** on the Desired Outcome
To what level of impact will this goal optimize rail operations in the State of Iowa?

**Sustain the environment**

*Reduction of greenhouse gas (GHG) emissions and fuel savings*

1. **No Impact** on the Desired Outcome
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3. **Some Impact** on the Desired Outcome
4. **Significant Impact** on the Desired Outcome
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