2016 IOWA RAIL PLAN

Welcome

Freight Advisory Council

September 11, 2015

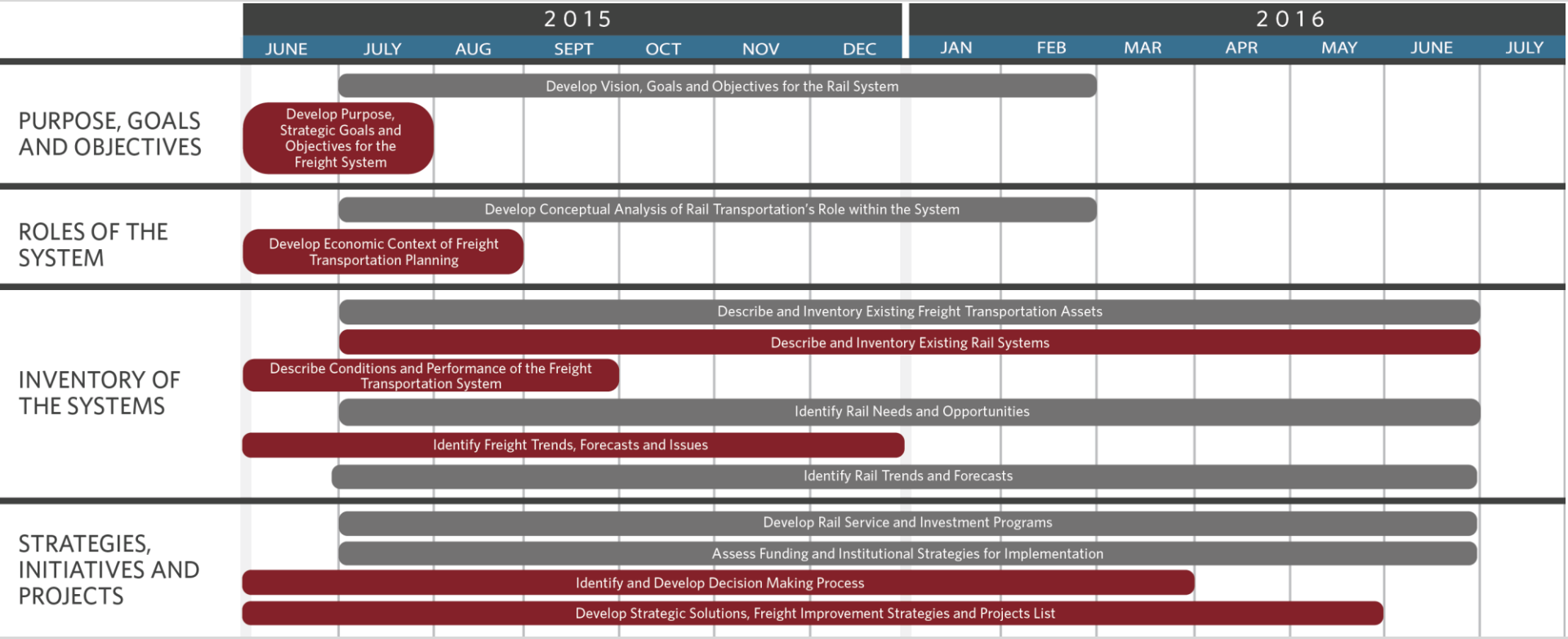
IOWA IN MOTION planning ahead 2040

2016 IOWA RAIL PLAN

Goal

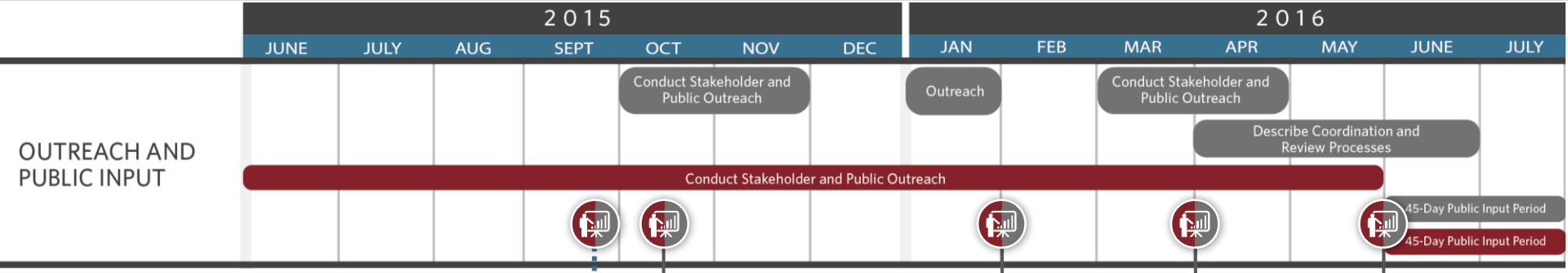
Accurately define what the rail and freight system in the state looks like today and what it needs to look like in the future.

2016 Iowa Rail and Freight Plan Task Overview



2016 Iowa Rail and Freight Plan Task Overview

Rail Plan
Freight Plan



Issues-Based Workshop
September 24, 2015

We are here!

High Leverage Stakeholder Committee - Meeting 1
Fall/Winter 2015

High Leverage Stakeholder Committee - Meeting 2
Winter 2016

High Leverage Stakeholder Committee - Meeting 3
Spring 2016

Public Meeting
Spring/Summer 2016

2016 Iowa Freight Plan Overview

Freight Plan

Goals of the Iowa Freight Plan

Improve contribution of freight system

Reduce congestion

Improve safety and security

Repair system

Implement innovative technology

Reduce impacts

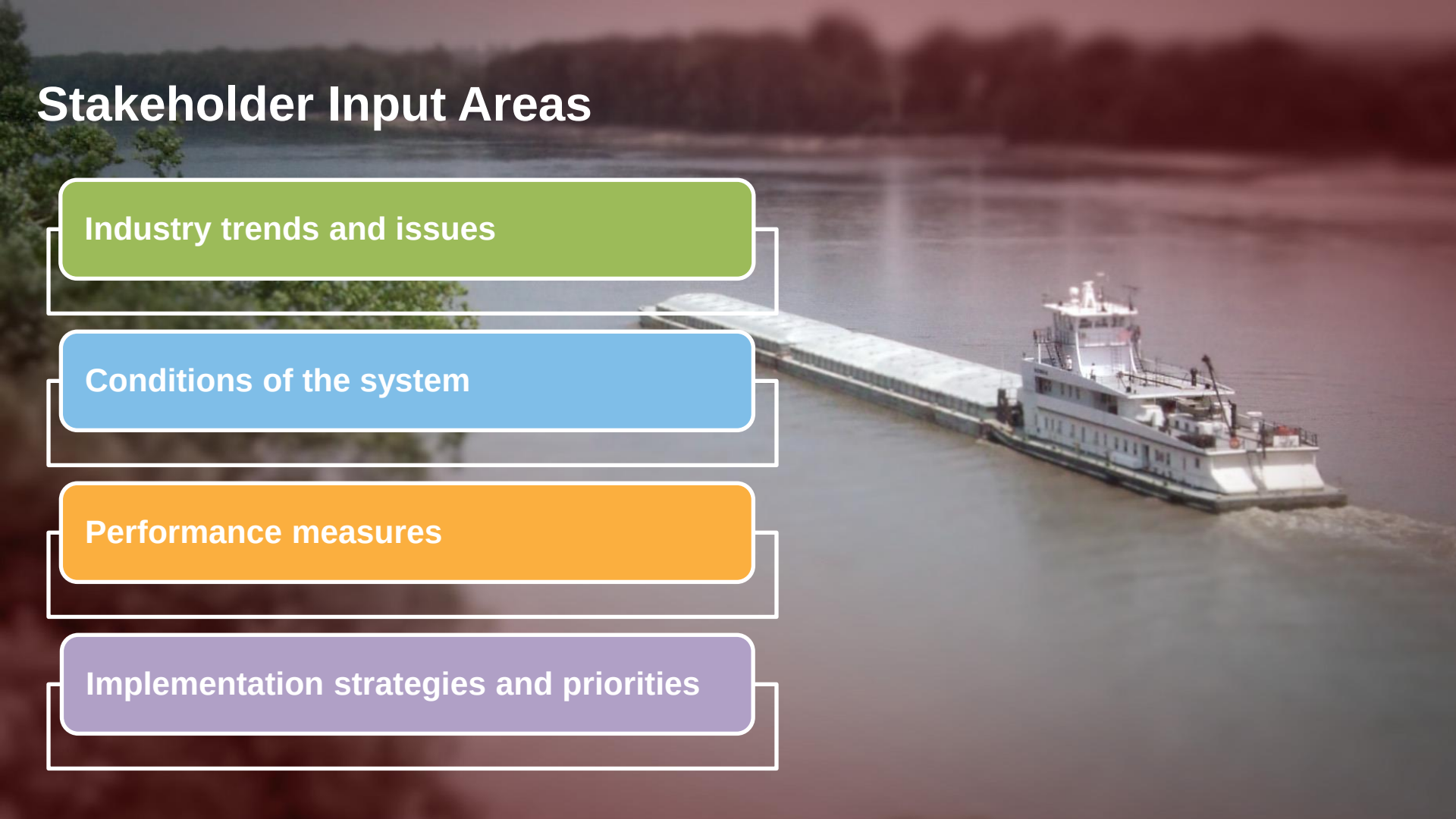
Gather input

Outline/objectives of the State Freight Plan

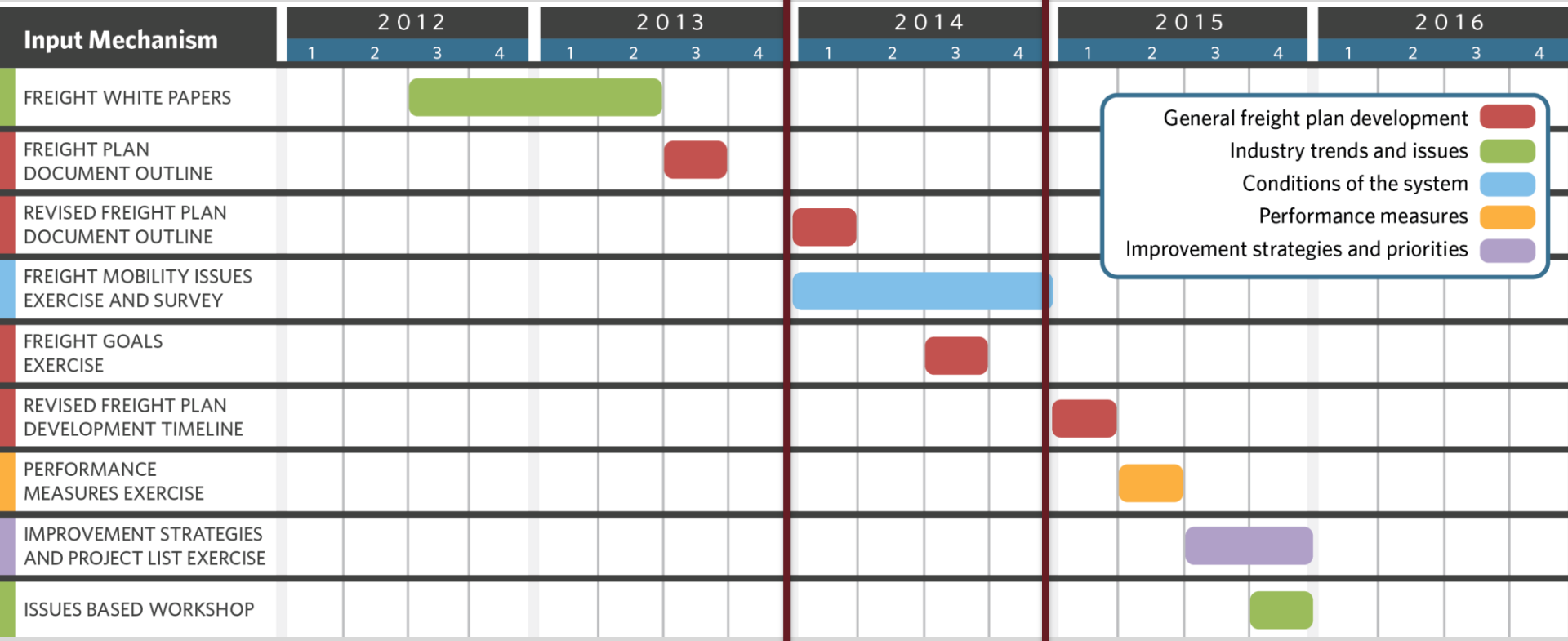
- Develop strategic goals and objectives
- Identify and document the economic importance
- Document freight trends and issues
- Project freight-related forecasts
- Inventory existing assets
- Describe conditions of the system, develop performance measures
- Identify and develop the decision making process
- Develop strategic solutions, improvement strategies and a prioritized project list

Stakeholder Input Areas

- Industry trends and issues
- Conditions of the system
- Performance measures
- Implementation strategies and priorities



Stakeholder Input Gathering



Start of plan development

Reset timeline

IOWA DOT
SMARTER | SIMPLER | CUSTOMER DRIVEN

IOWA IN MOTION planning for 2040

2016 IOWA RAIL PLAN

Guidance on Freight Improvement Strategies

Must include:

- A description of the **strategies the state is employing to address freight mobility issues**

Recommendations:

- Include a presentation of the state's complete freight improvement strategy, **with different improvements ranked in order of priority** (or grouped into higher and lower priority groups)
- Include an analysis of **how each improvement will advance the state's strategic goals**

Freight Improvement Strategies

- Development process
  - Current/future department initiatives
  - Freight Advisory Council
  - Freight Executive Committee
  - Other planning partners

Example Strategies

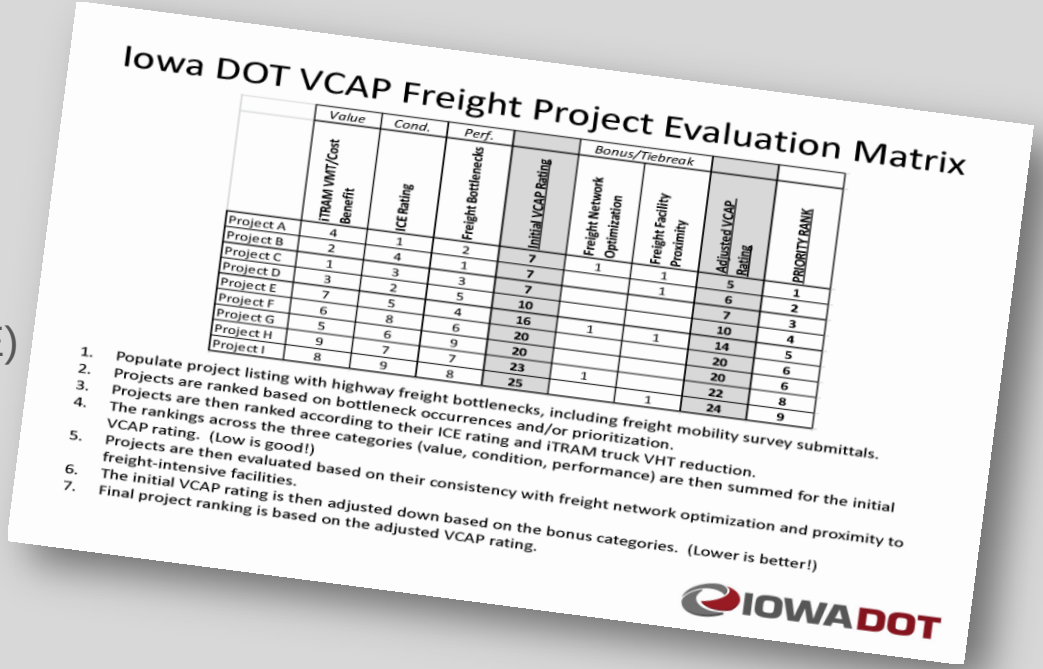
- Explore/create other **funding sources** to increase investment in the freight transportation system
- Target investment to **address mobility issues** that impact freight facilities
- Utilize designs that are **compatible with oversize/overweight** freight movements
- Target **investment on the interstate system** at a level that reflects the importance of this system for moving freight
- **Leverage information from users** of the system to support advanced decision-making and incident avoidance

Multimodal Freight Projects

- Aviation – Iowa DOT Office of Aviation
- Highway – Freight Mobility Issue Survey, Value, Condition, and Performance (VCAP) concept
- Pipeline – Propane Supply Chain Optimization Study
- Railroad – State Rail Plan
- Waterway – U.S. Army Corps of Engineers

Example Project List - Highway

- VCAP matrix
- Tools
  - Freight Mobility Issue Survey
  - Iowa Travel Analysis Model (iTRAM) statewide travel demand model
  - Infrastructure Condition Evaluation (ICE)
  - Freight Network Optimization study
  - Iowa DOT truck traffic data
- Process



Example Project List - Highway

		VALUE		CONDITION		PERFORMANCE			TIEBREAK	
MAP ID	LOCATION	ITRAM	"V" RANK	ICE	"C" RANK	INRIX	"P" RANK	AVERAGE RANKING	TRUCK VOLUME	PRIORITY RANK
47	US-151 N/S @ MAQUOKETA DR	53.29	38	54.93	3	1040	6	15.67	2115	1
48	I-80/29 N/S THROUGH COUNCIL BLUFFS	60.79	32	56.87	6	374	16	18.00	13579	2
57	I-35/80 N/S, E/W @ IA-141	49.26	43	59.82	14	2036	2	19.67	12761	3
76	I-380 N/S THROUGH CEDAR RAPIDS	76.37	26	55.17	4	123	33	21.00	7226	4
5	US-30 E/W THROUGH MISSOURI VALLEY	21.80	58	52.78	2	1563	4	21.33	993	5
87	I-74 @ MISSSISSIPPI RIVER	90.95	23	66.38	33	706	9	21.67	2908	6
66	IA 160 E/W @ I-35 & I-35 N/S @ IA-160/ EXIT 90	108.67	18	64.56	27	114	35	26.67	8331	7
71	I-380/US-218 N/S FROM SAN MARNAN DR TO W 9TH ST	12.87	61	62.55	21	1764	3	28.33	2799	8
15	I-35 N/S @ US-20/EXIT 142 & US-20 E/W @ I-35/EXIT 153	114.43	17	74.47	55	420	14	28.67	5559	9
79	I-380 N/S @ I-80/EXIT 0 & I-80 E/W @ I-380/EXIT 239	146.63	10	73.86	53	250	24	29.00	11161	10
55	I-35/80 N/S @ DOUGLAS AVE	52.83	41	59.58	13	116	34	29.33	12884	11
82	I-80 E/W FROM 1ST AVE TO DUBUQUE ST	199.88	1	63.61	23	27	64	29.33	12240	12
11	US 30 E/W @ US-59/IA-141	60.33	33	70.01	41	387	15	29.67	1377	13
65	US-6 E @ I-80 (EAST) & US-65 N/S @ I-80/US-6/NE HUBBELL AVE/EXIT 142	44.08	44	71.79	47	9375	1	30.67	9601	14
60	I-35/80 N/S, E/W FROM MERLE HAY RD TO IA-415	75.78	27	56.44	5	30	63	31.67	14124	15
43	US-61 N/S THROUGH BURLINGTON	18.63	59	58.76	9	172	27	31.67	1107	16
17	I-35 N/S @ US-30/EXIT 111 & US-30 E/W @ I-35/EXIT 151	131.58	13	76.54	64	336	19	32.00	7633	17
51	I-80/I-35/I-235 N/S, E/W @ SW MIX MASTER	92.24	22	74.58	56	365	18	32.00	6870	18
59	I-35/80 N/S, E/W FROM NW 86TH ST TO MERLE HAY RD	67.38	30	59.15	12	45	55	32.33	14089	19
84	US-61 N/S @ I-80/EXIT 123 & I-80 E @ US-61/BRADY ST/EXIT 295	53.65	36	71.04	44	368	17	32.33	11230	20
54	I-35/80 N/S @ US 6/HICKMAN	53.37	37	58.81	11	61	51	33.00	12804	21
63	I-35 N/I-235 W @ I-80/I-235/EXIT 87 & I-80 E/W @ I-235/I-35/EXIT 137	119.00	16	75.19	59	226	25	33.33	11709	22
80	I-80 E/W FROM I-380 TO IA-965	165.25	8	62.23	20	0	73	33.67	12726	23
83	I-80 E/W FROM DUBUQUE ST TO IA-1	196.39	2	65.13	28	0	73	34.33	12389	24

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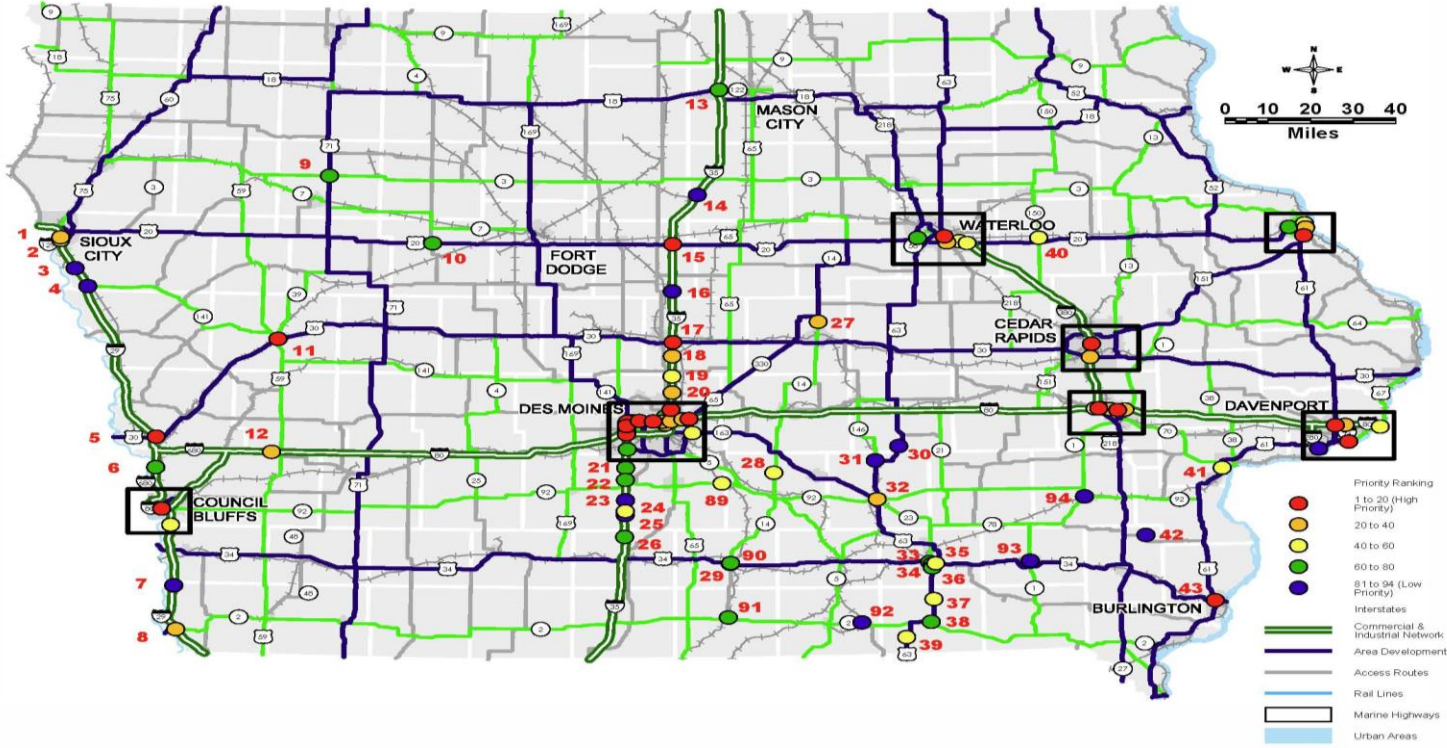
Example Project List - Highway



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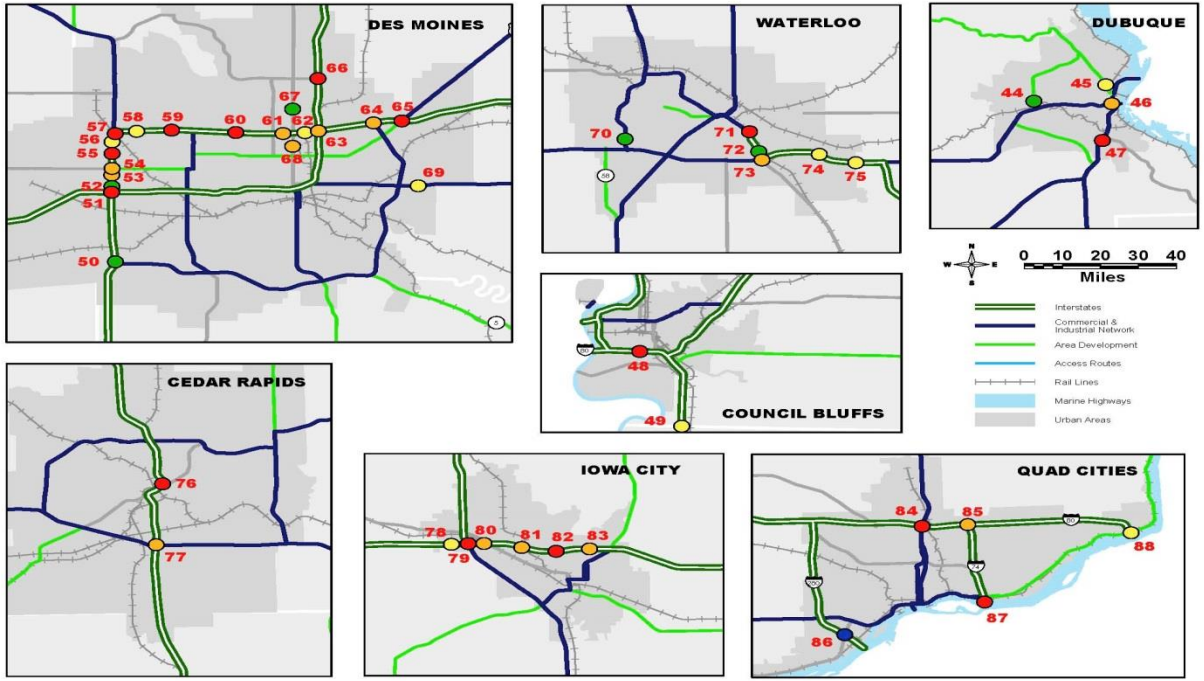
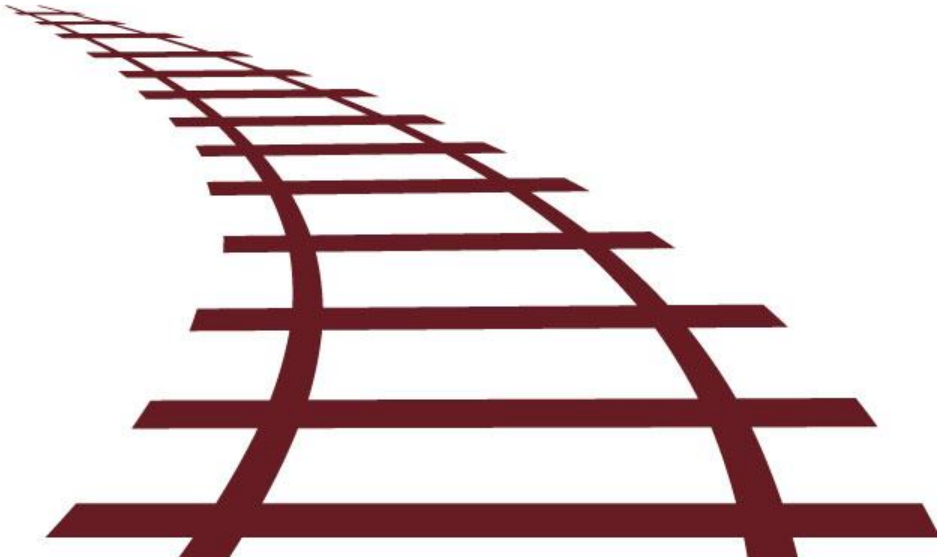
Example Project List - Highway



2016 Iowa Rail Plan Overview

Rail Plan



Federal Railroad Administration (FRA) Guidance

Stakeholder engagement

Identify proposed rail improvements

Safe, efficient, convenient freight transportation

Economic development

Goals and Objectives of the Iowa Rail Plan

Merge rail plan into multimodal framework

Economic benefits

Align initiatives with Iowa priorities

Unify common rail interests

Develop in tandem with Iowa Freight Plan

Open and inclusive process

Educate the public through public meetings

Additional Goals and Objectives Iowa Rail Plan

- Unique issues to Iowa
- Identify rail dependent commodities and industries
- Identify essential rail corridors by commodity
- Enable short line railroads to support economic development
- Look at abandonments more closely
- Identify investments and public benefits of the rail system
- Identify railroad needs and priorities
- Identify solutions to rail system bottlenecks

Iowa Rail and Freight Today

4 times faster than trucks

84% of shipments are coal, chemicals, farm & food products

37.7 million tons received

Over 3,500 rail employees

48 .5 million tons shipped

Over 3500 miles of track

Average freight length over 1 mile

59,824 passenger rides in 2013

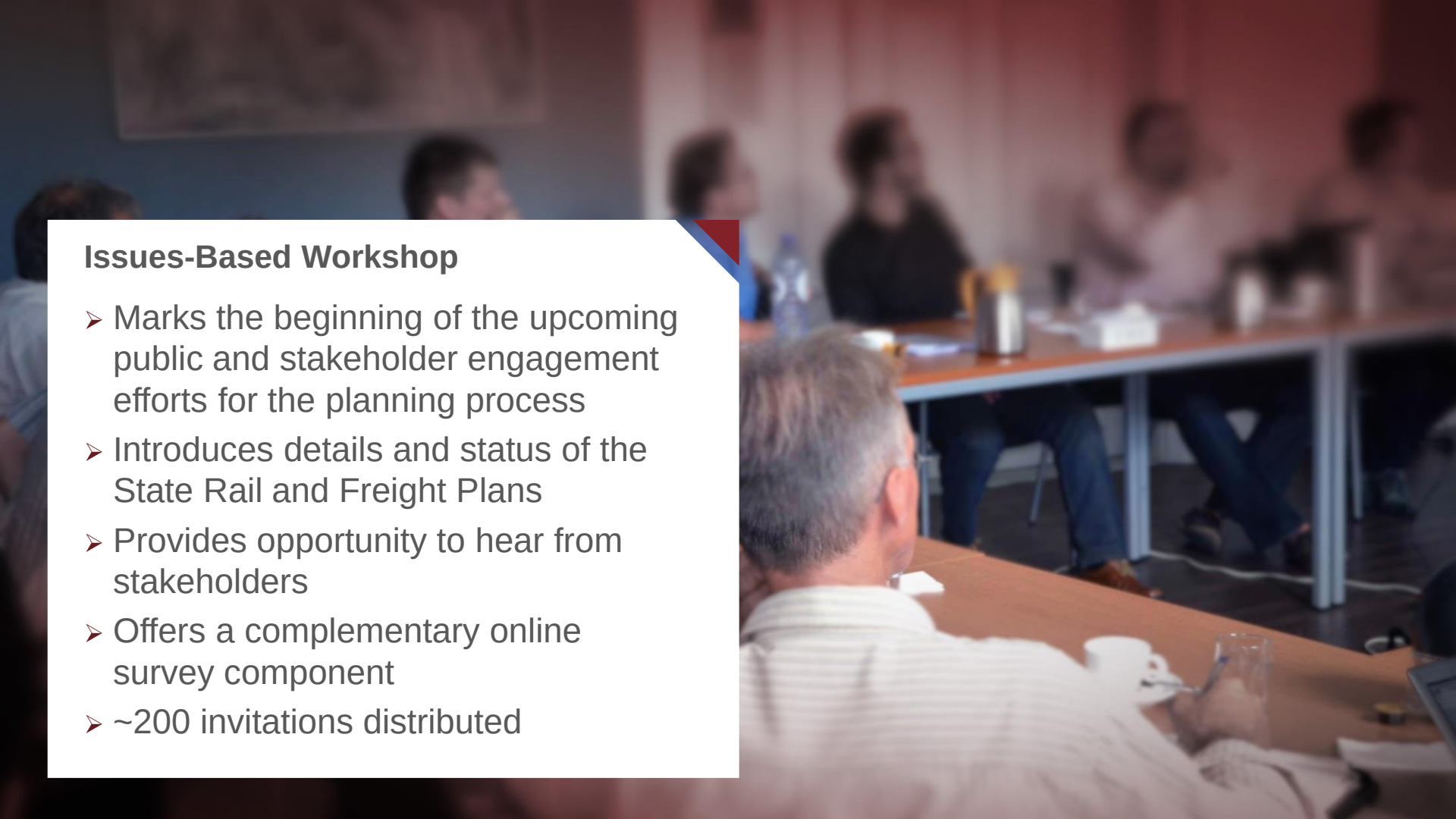
Combined Stakeholder Engagement

Freight and Rail Plan

2016 IOWA RAIL PLAN

IOWA IN MOTION planning ahead 2040

Stakeholder Participation



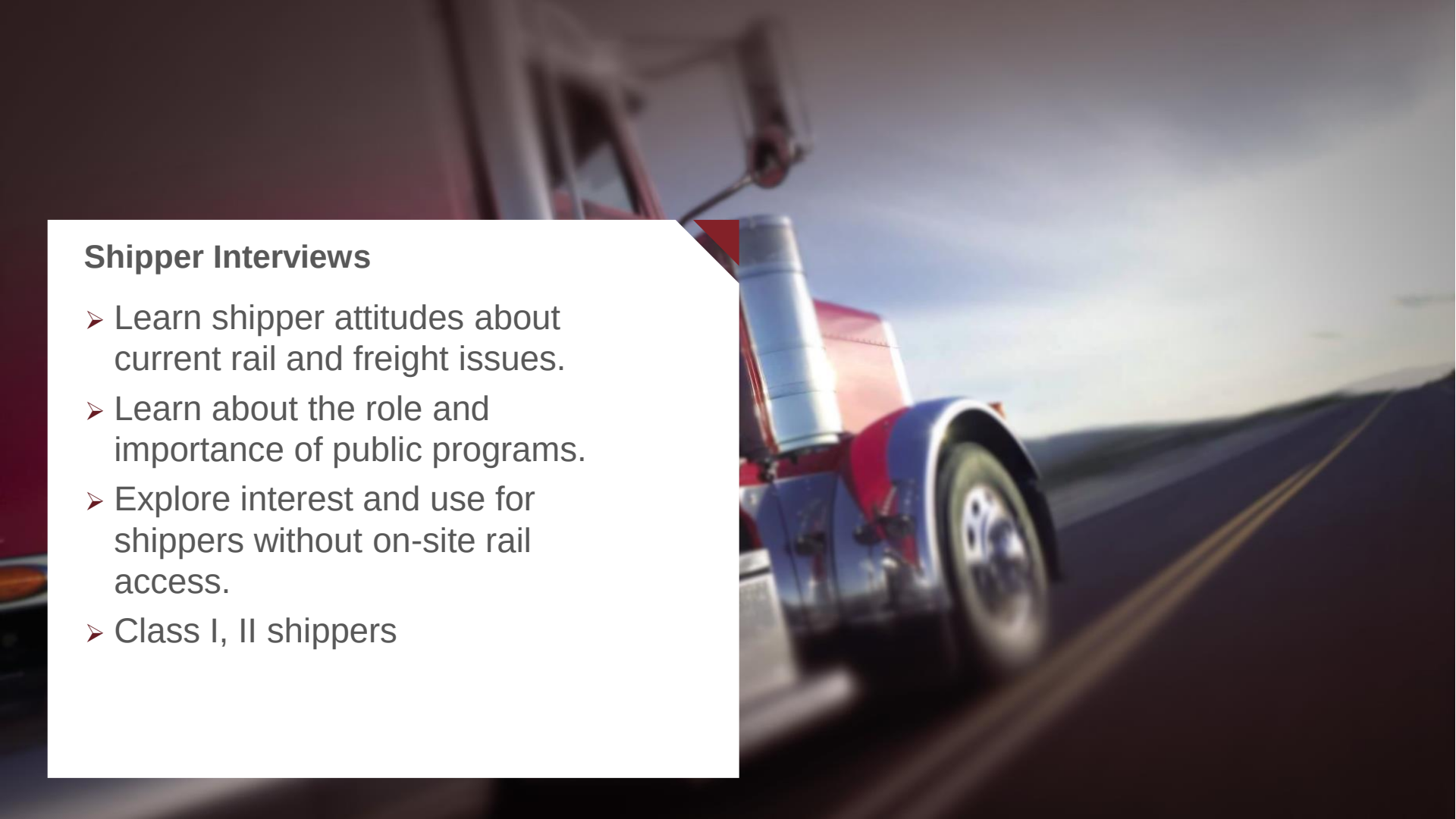
Issues-Based Workshop

- Marks the beginning of the upcoming public and stakeholder engagement efforts for the planning process
- Introduces details and status of the State Rail and Freight Plans
- Provides opportunity to hear from stakeholders
- Offers a complementary online survey component
- ~200 invitations distributed

High Leverage Stakeholder Committee

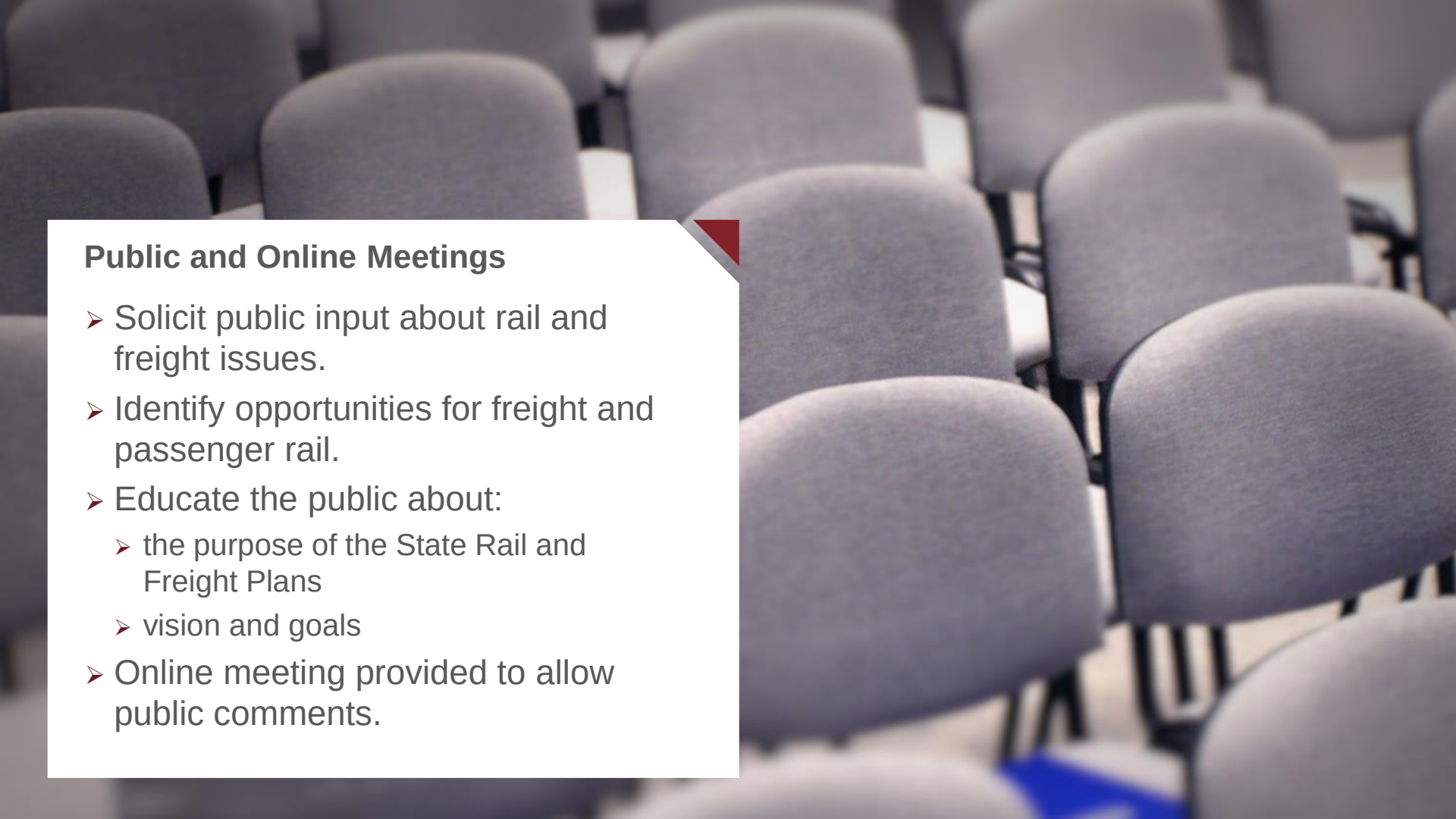
- Develop vision and goals for State Rail and Freight plans.
- Discuss strategies for improvements
- Discuss location-specific improvement projects.
- Composed of local persons having an active role in the community.

*High Leverage Stakeholder Committee members will be selected by the Iowa DOT and actively recruited with the assistance of local governments.



Shipper Interviews

- Learn shipper attitudes about current rail and freight issues.
- Learn about the role and importance of public programs.
- Explore interest and use for shippers without on-site rail access.
- Class I, II shippers



Public and Online Meetings

- Solicit public input about rail and freight issues.
- Identify opportunities for freight and passenger rail.
- Educate the public about:
  - the purpose of the State Rail and Freight Plans
  - vision and goals
- Online meeting provided to allow public comments.

Stay Involved

http://engagefreightrailplans.iowadot.gov/

Email us
Amanda.martin@dot.iowa.gov
Samuel.hiscocks@dot.iowa.gov

Speakers

Amanda Martin
Office of Rail Transportation

Amanda.martin@dot.iowa.gov
515-239-1653

Sam Hiscocks
Office of Systems Planning

Samuel.hiscocks@dot.iowa.gov
515-239-1004

Thank you