



Welcome

Freight Advisory Council

March 4, 2016

10:00 am – 2:00 pm

2016 **IOWA RAIL PLAN**





2016 **IOWA RAIL PLAN** 

Meeting Purpose

- Provide updates on status of both plans
- Gather your input on the current strategies for improvements and location-specific projects relative to each plan
- Answer questions and receive comments

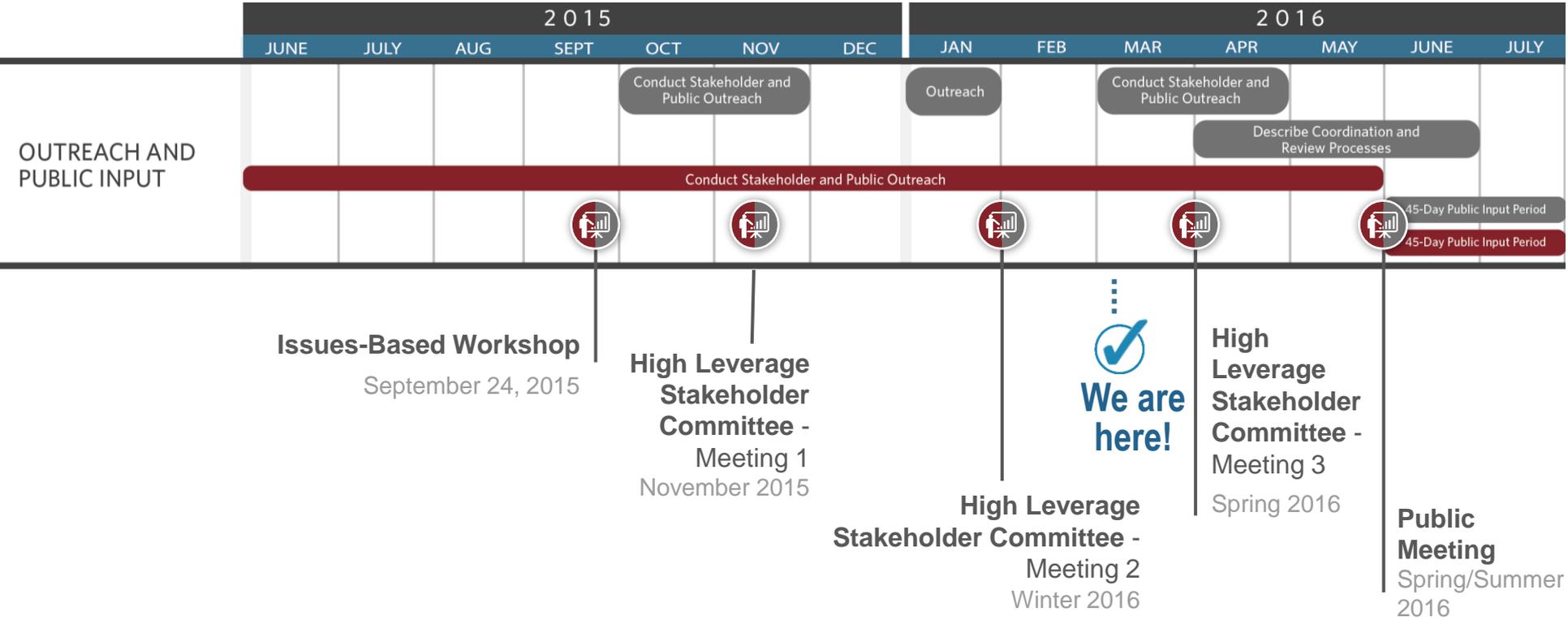
State Freight Plan and State Rail Plan Updates



2016 State Rail, Freight Plan Task Overview

Rail Plan 

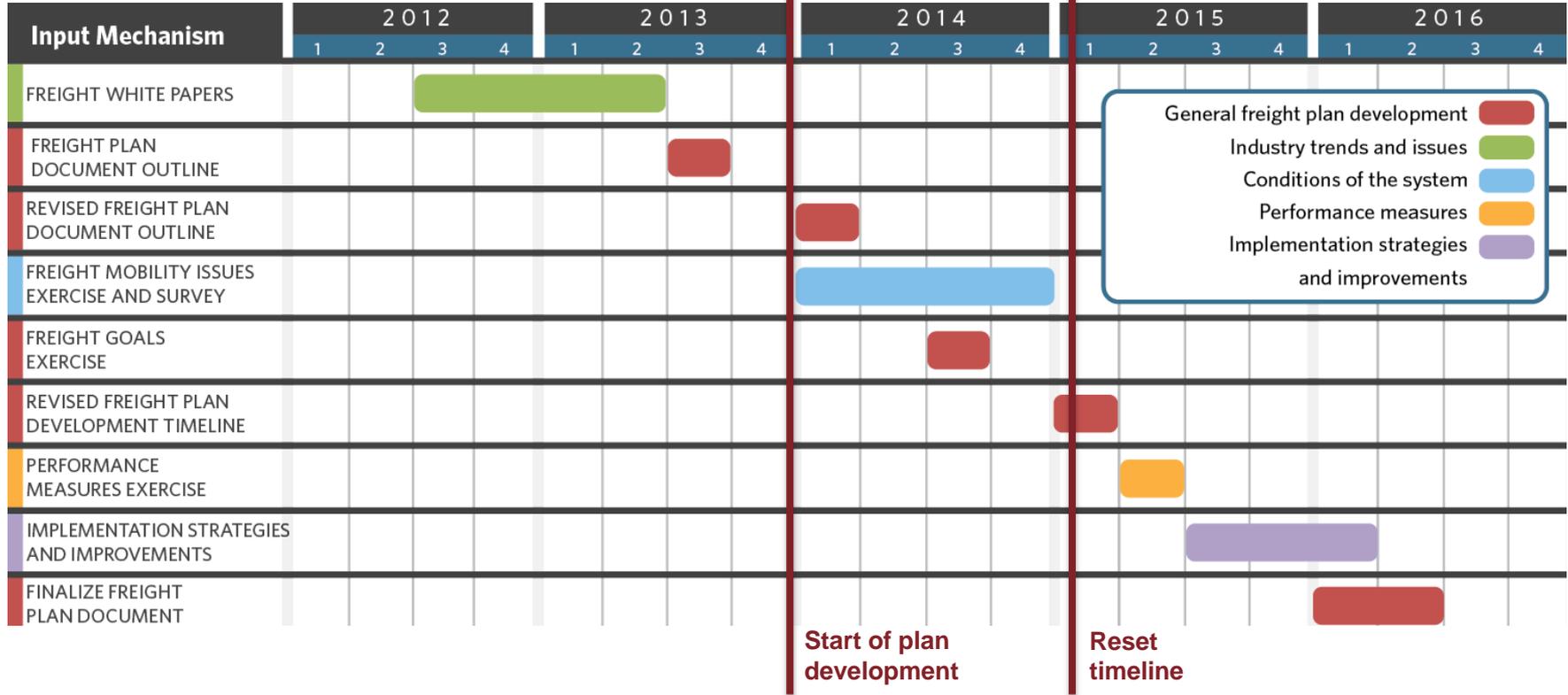
Freight Plan 



2016 State Freight Plan Update



Stakeholder Input Gathering

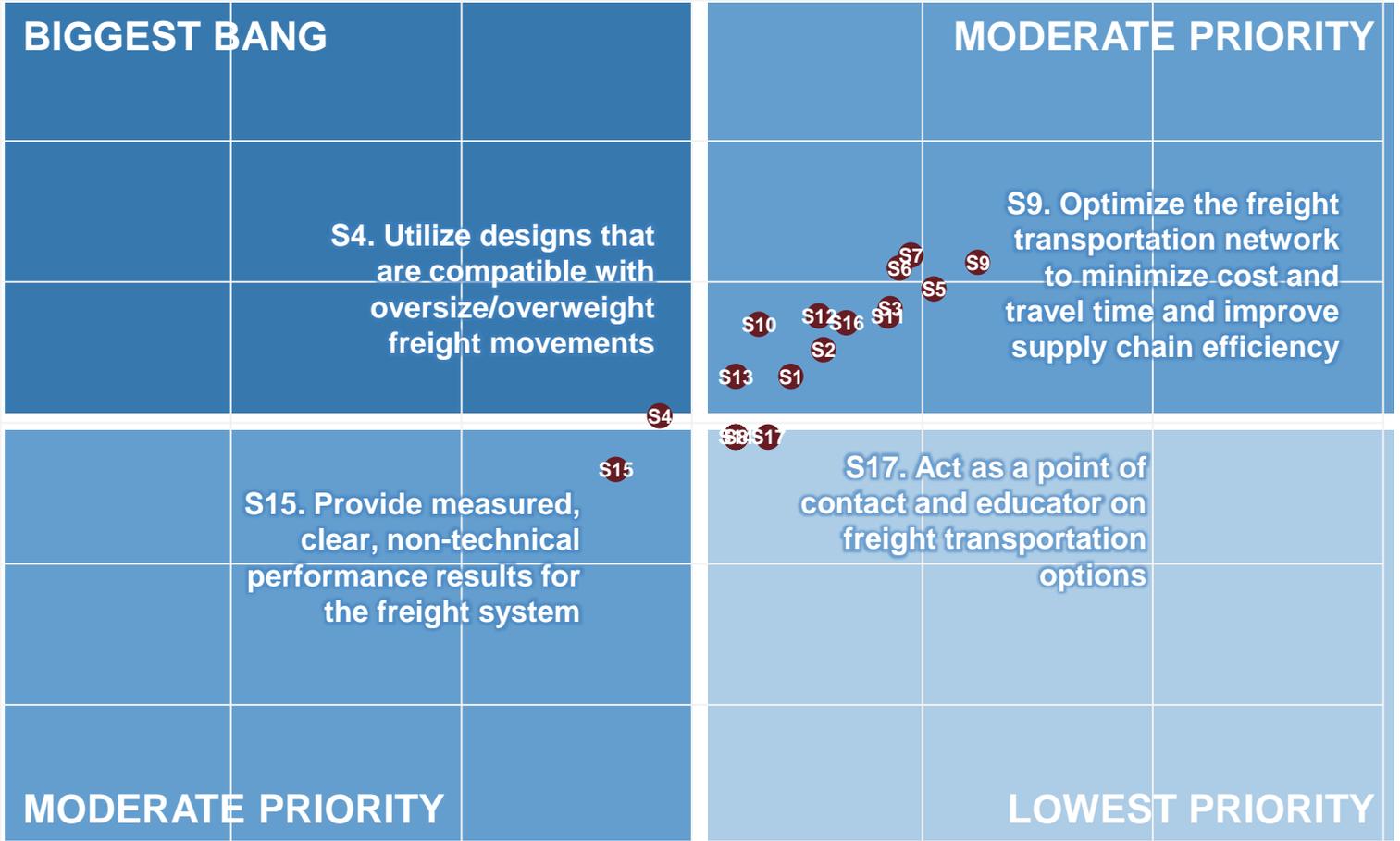


HLSC Results

HIGH



IMPACT



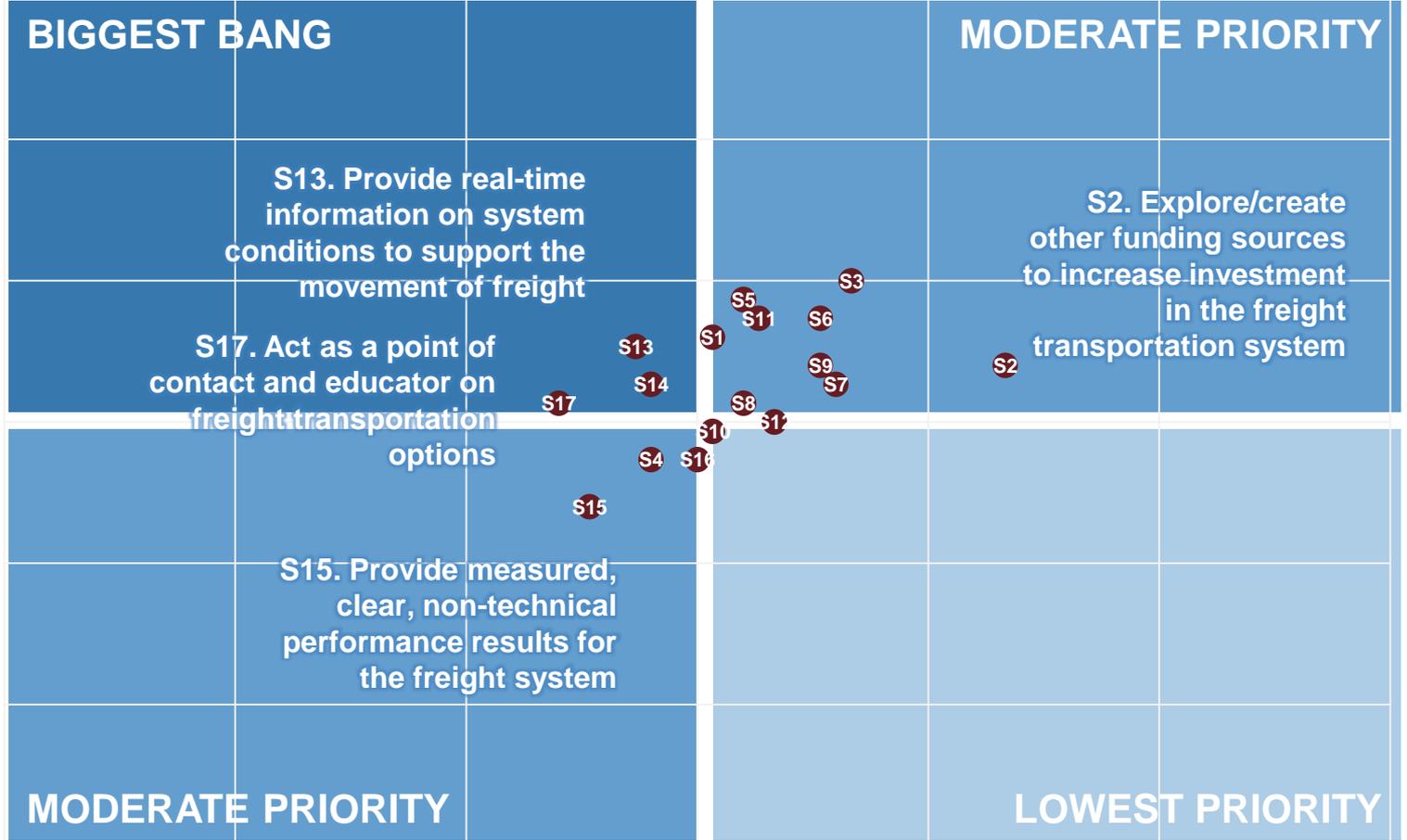
LOW

EFFORT

HIGH

Survey Results

HIGH



LOW



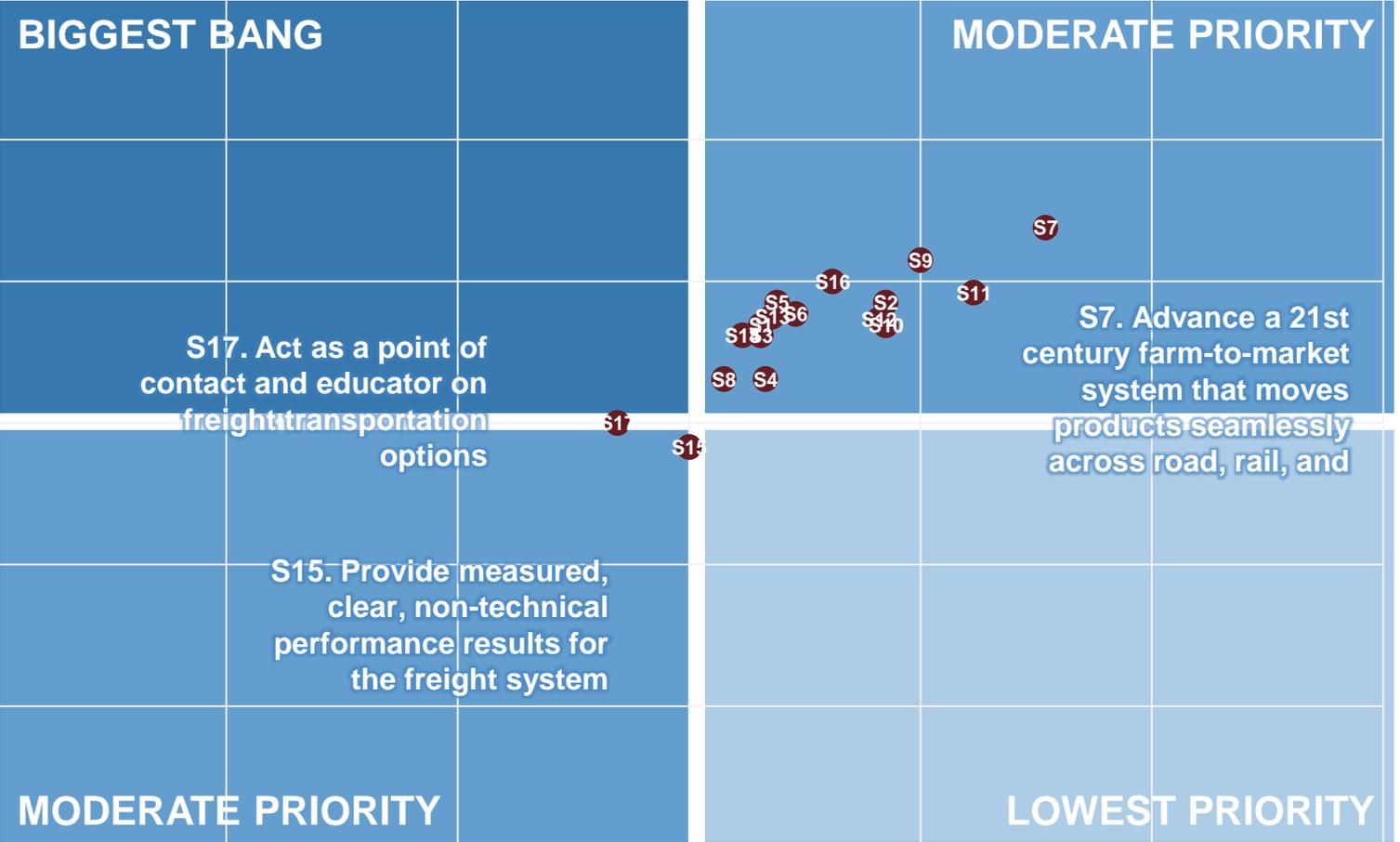
HIGH

FAC Results

HIGH



IMPACT



LOW



EFFORT

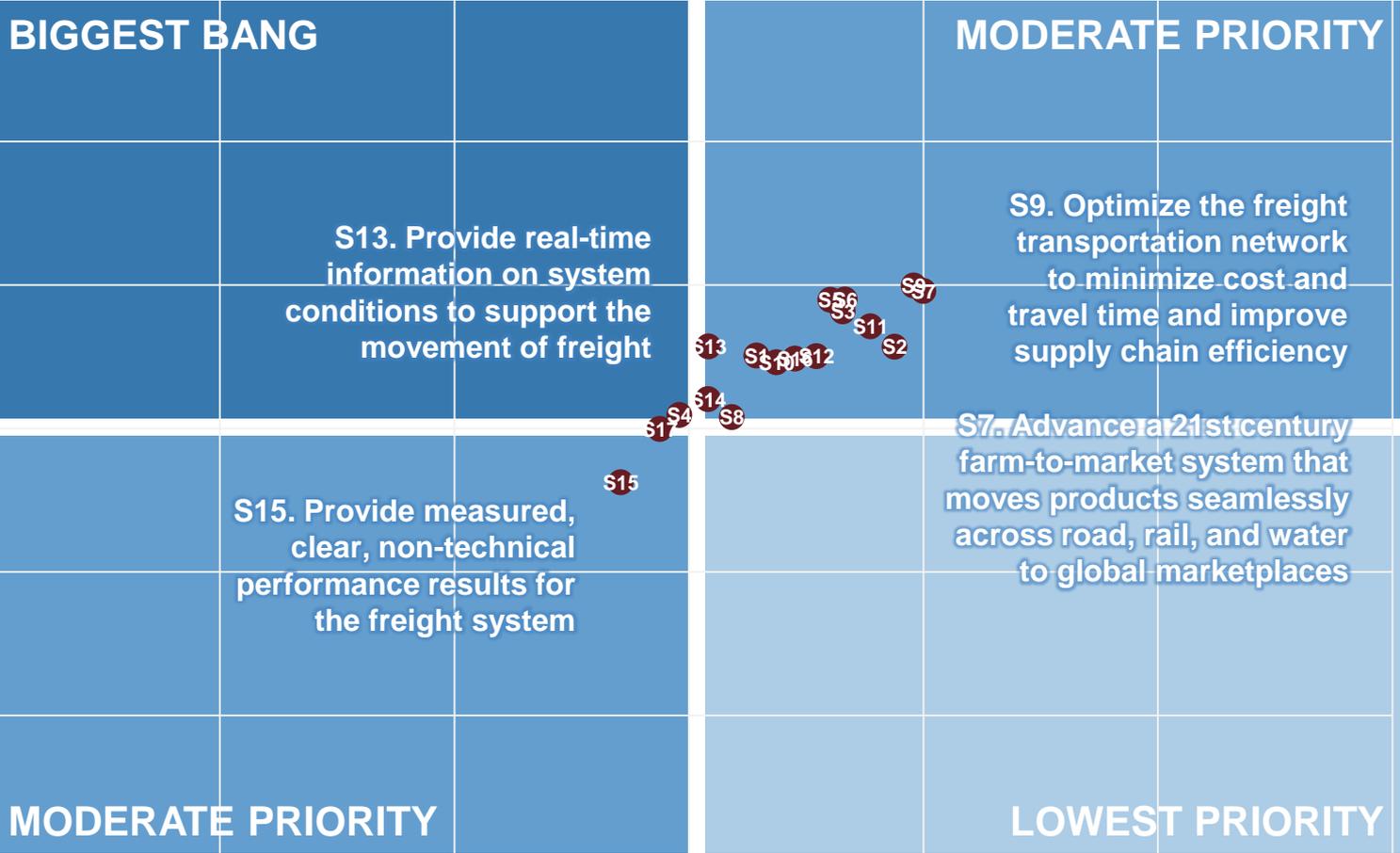
HIGH

Combined Results

HIGH



IMPACT



LOW



EFFORT

HIGH

Input Exercises

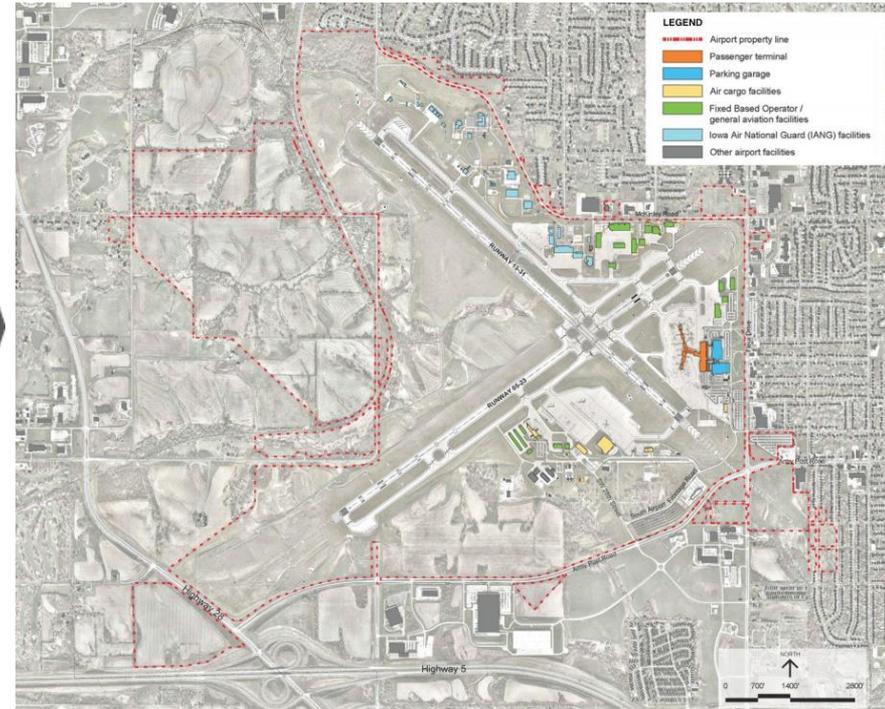
State Freight Plan



Exercise #1: Modal Improvement List Review

- Improvement Identification Process Introduction
- Identify Air Improvements

1. Existing Facilities	2. Activity Forecasts	3. Assumptions	4. 4.0 MAP Requirements
All-cargo apron (s.y.) <ul style="list-style-type: none"> South 177,000 East <u>27,000</u> Total 204,000 	All-cargo airline air cargo (millions of pounds) <ul style="list-style-type: none"> 2012: 147.8 4.0 MAP: 172.7 Compound annual growth rate (CAGR): 0.8% 	Target warehouse utilization: 1.5 ton/s.f. <ul style="list-style-type: none"> 0.5 ton/s.f. ■ Low automation facility 0.9 ton/s.f. ■ Automated facility 1.6 ton/s.f. ■ Highly automated facility 	All-cargo aircraft stands (sized for ADPM) <ul style="list-style-type: none"> ADG II 1 ADG IV 7 Total 8
Warehouses (s.f.) <ul style="list-style-type: none"> Bldg 31 12,300 Bldg 32 28,000 Bldg 35 <u>27,350</u> Total 67,650 Approx. 68% of total square footage is leased 	Annual cargo aircraft operations <ul style="list-style-type: none"> 2012: 5,456 4.0 MAP: 5,427 CAGR: 0.0% 	Number of warehouse levels: 1.0	Warehouse and land requirements (s.f.) <ul style="list-style-type: none"> Warehouse 53,700 Ramp 334,600 Landside 123,500
Total land area (approx.): 50 acres		Target land requirement ratio: 3.3 <p>Overall land area (warehouse building and landside facilities) derived using a ratio relative to cargo warehouse space</p>	Total land area (approx.): 12 acres
Existing warehouse utilization (based on leased space only): 1.5 ton/s.f.			South cargo area is adequate throughout planning period

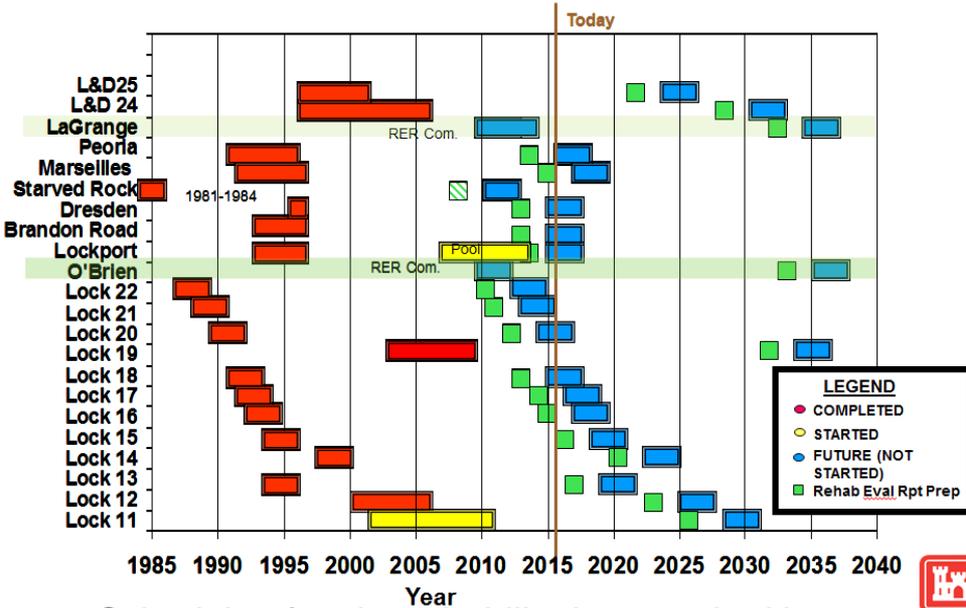


DSM Airport property

DSM Airport current and future air cargo handling facilities

Exercise #1: Modal Improvement List Review

- Identify waterway improvements



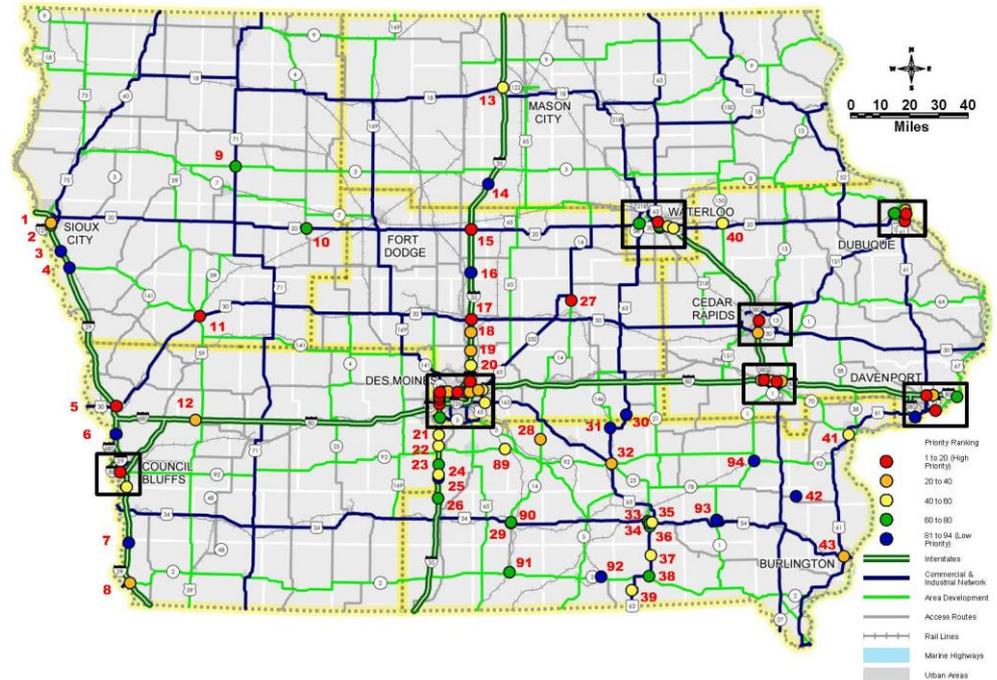
Schedule of major rehabilitations on the Upper Mississippi River, Rock Island District



Proposed 1200-foot locks in the Upper Midwest

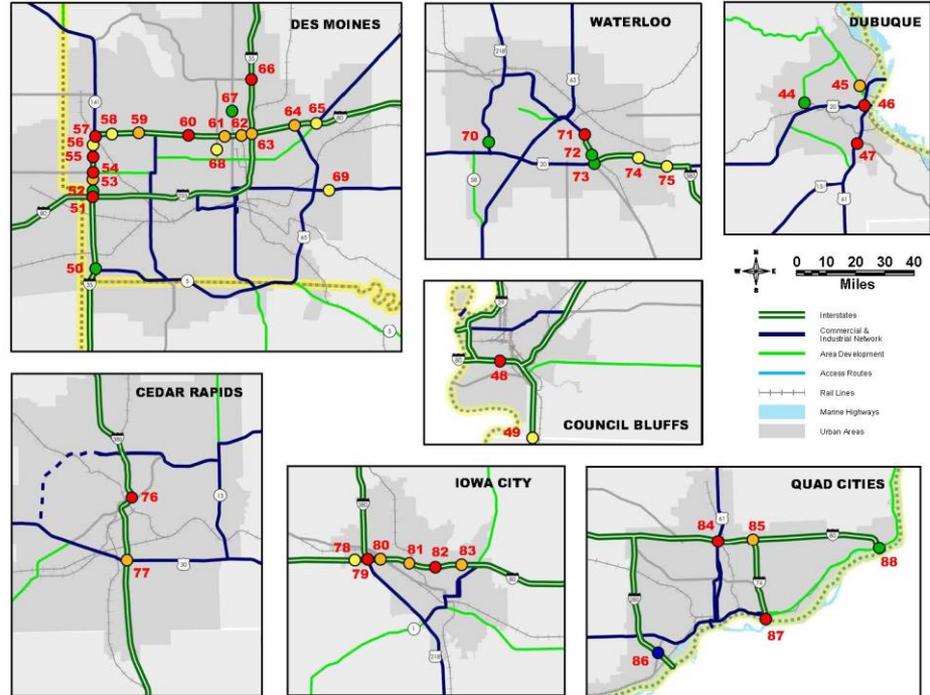
Exercise #2: VCAP Highway Improvement Discussion

- VCAP Process Introduction
- VCAP District Review



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- VCAP Process Introduction
- VCAP District Review



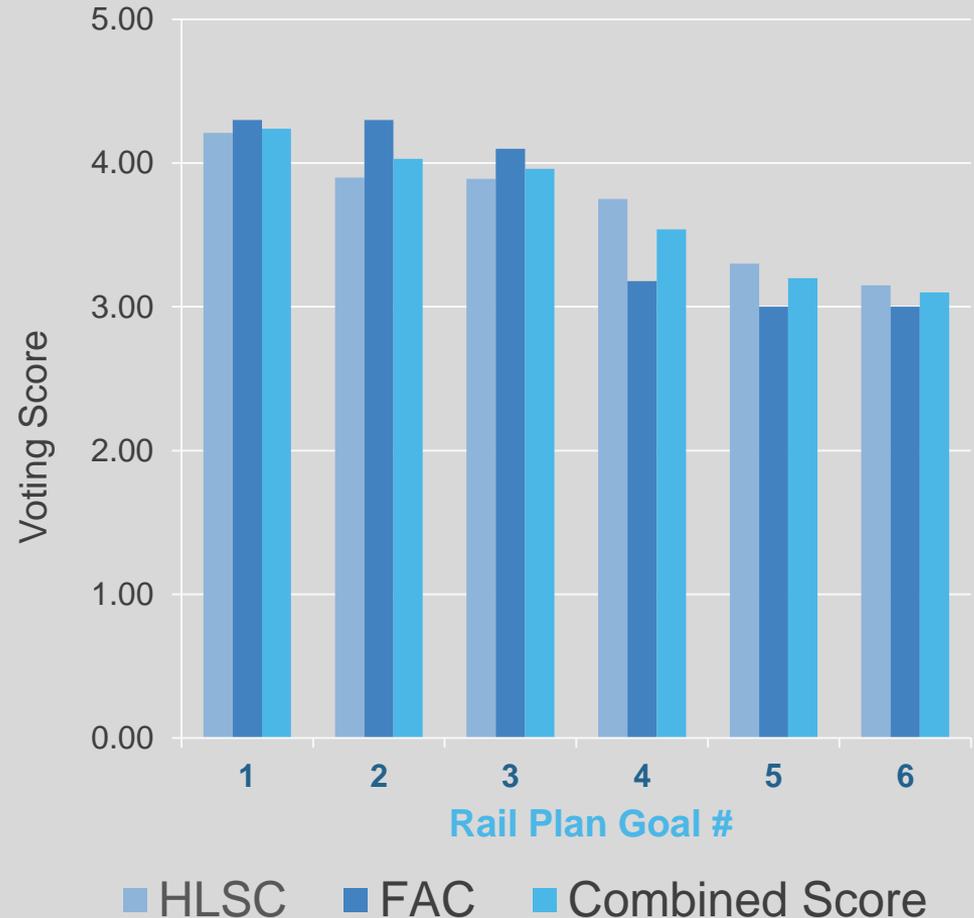
2016 State Rail Plan Update



Rail Plan Goals

How much impact would the following have on the desired outcome?

- 1. Maintain the infrastructure:** Improvements such as track and bridge upgrades, new and enhanced industrial spurs or industrial parks, development of an intermodal facility
- 2. Ensure economic competitiveness and development:** Development that would support business in Iowa
- 3. Improve efficiency:** Improve the capacity, efficiency, and safety of railroad operations in Iowa
- 4. Enhance the safety and security of the rail system:** This could lead to grade crossing safety improvements, public education program, enhanced coordination between railroads
- 5. 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
- 6. Sustain the environment:** Reduction of greenhouse gas (GHG) emissions and fuel savings



State Rail Plan Vision Feedback

“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.”

Vision Feedback:

- Include language referring to regional aspect
- Leave “environmental sustainable manner” in vision

2016 **IOWA RAIL PLAN**



Lunch



Input Exercise

State Rail Plan



Exercise #1: Railroad Capital Investments and Projects in Iowa

- What are your needs for rail within the four main project categories?
 1. Capacity and mitigation of operational chokepoints
 2. Safety
 3. Economic Development
 4. Modal Connectivity



Exercise #1: Railroad Capital Investments and Projects in Iowa

▪ Examples

1. Capacity and mitigation of operational chokepoints
 - New or Extended Sidings
 - Expanded Yards / Terminals
 - Track and Bridge Upgrades for 286K Railcars
 - Vertical Clearance Improvements
 - Wayside Signal System Improvements
2. Safety
 - Positive Train Control Implementation
 - Wayside Defect Detector Installations
 - Grade Crossing Improvements
 - Public Education Programs
3. Economic Development
 - Transloads/Intermodal Facility
4. Modal Connectivity
 - Connectivity and Interchange
 - Network Access



Exercise #1: Railroad Capital Investments and Projects in Iowa

- What projects you would you prioritize?
 - Use **red** voting stickers to identify types of projects to be prioritized.
- What projects are short-term?
 - Use **blue** voting stickers to indicate short-term projects.
- What projects are long-term?
 - Use **green** voting stickers to indicate long-term projects.
- How can the Iowa DOT facilitate the priorities your organization may have?

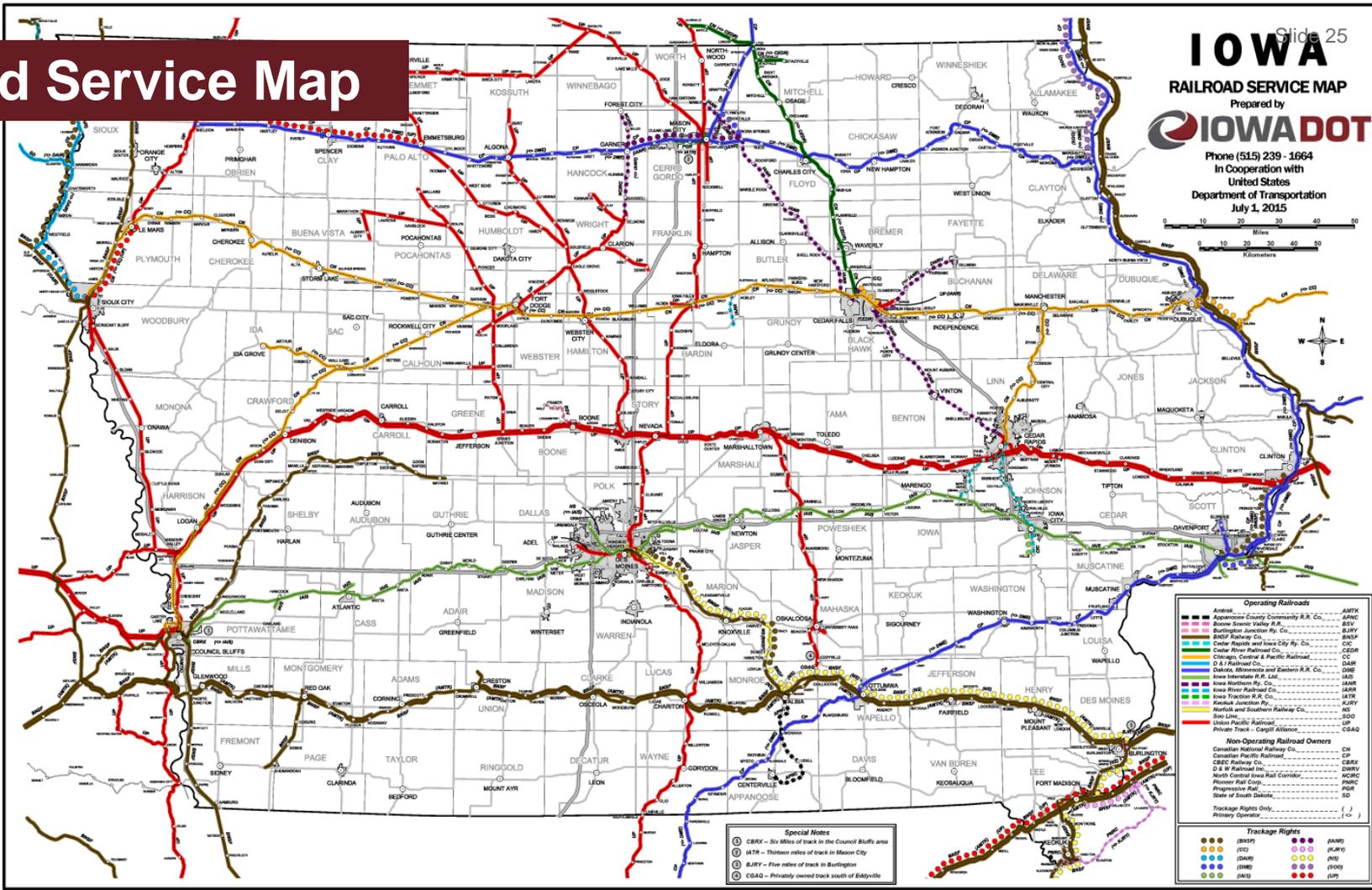


Exercise #2: Rail Map Identification Exercise

- Use **yellow** voting stickers to identify changes to existing or additional (if applicable) passenger rail stations in Iowa.
- Use **pink** voting stickers to identify changes or additions/additional points (if applicable) to existing points of freight rail access in Iowa (i.e. industrial spur, transload).
- Use **green** voting tape to identify changes to existing passenger rail services in Iowa or recommended additions (if applicable) (including intercity and commuter rail).
- Use **blue** voting tape to identify changes to existing freight rail services in Iowa or recommended additions if applicable (including new routes or reactivated abandoned routes).

Railroad Service Map

IOWA
RAILROAD SERVICE MAP
 Prepared by
IOWA DOT
 Phone (515) 239-1664
 In Cooperation with
 United States
 Department of Transportation
 July 1, 2015



Operating Railroads	
Amtrak	Amtrak
Appanoose County Community R.R. Co.	ATK
Beebe Steam Valley R.R.	BTV
Burlington Junction R.R. Co.	BJR
BNP Railway Co.	BNP
Center Railroad and Iowa City Ry. Co.	CC
Cedar River Railroad Co.	CR
Chicago, Central & Pacific Railroad	CCP
D.A. Railroad Co.	DAR
Dallas, Minnesota and Eastern R.R. Co.	DME
Iowa International R.R. Co.	IIR
Iowa Northern Ry. Co.	INR
Iowa Tractor R.R. Co.	ITR
Rock Island Railway Co.	RI
Union Pacific Railroad	UP
Private Trunk - Capital Railroad	CR
Private Trunk - Capital Railroad	CR

Non-Operating Railroad Owners	
Canadian National Railway Co.	CN
Canadian Pacific Railroad	CP
CB&Q Railway Co.	CB&Q
D & W Railway Co.	D&W
North Central Iowa Rail Corridor	NCIC
Prosser Rail Corp.	PRC
Prospective Rail	PR
State of South Dakota	SD

Trackage Rights Only	
Primary Operator	()

Trackage Rights	
(●) (BVT)	(●) (DAR)
(●) (CC)	(●) (D&W)
(●) (DAR)	(●) (IIR)
(●) (DME)	(●) (INR)
(●) (D&Q)	(●) (ITR)
(●) (D&Q)	(●) (RI)
(●) (D&Q)	(●) (SD)

Special Notes

- CB&Q - Six Miles of track in the Council Bluffs area
- ATK - Thirteen miles of track in Mason City
- BJR - Five miles of track in Burlington
- CR - Privately owned track south of Elkville

2016 **IOWA RAIL PLAN**



What's Next?



Stakeholder Participation



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 State Freight Plans.
 - vision and goals.
- Online meeting



Stay
Involved



<http://engagefreightrailplans.iowadot.gov/>



Email us
info@EngageFreightRailPlans.com

Thank You

