

# **FREIGHT IMPROVEMENT PRIORITIZATION: COMBINING STAKEHOLDER INPUT AND SYSTEM CONDITION ASSESSMENTS**



**MAFC WEBINAR**  
11.03.2015

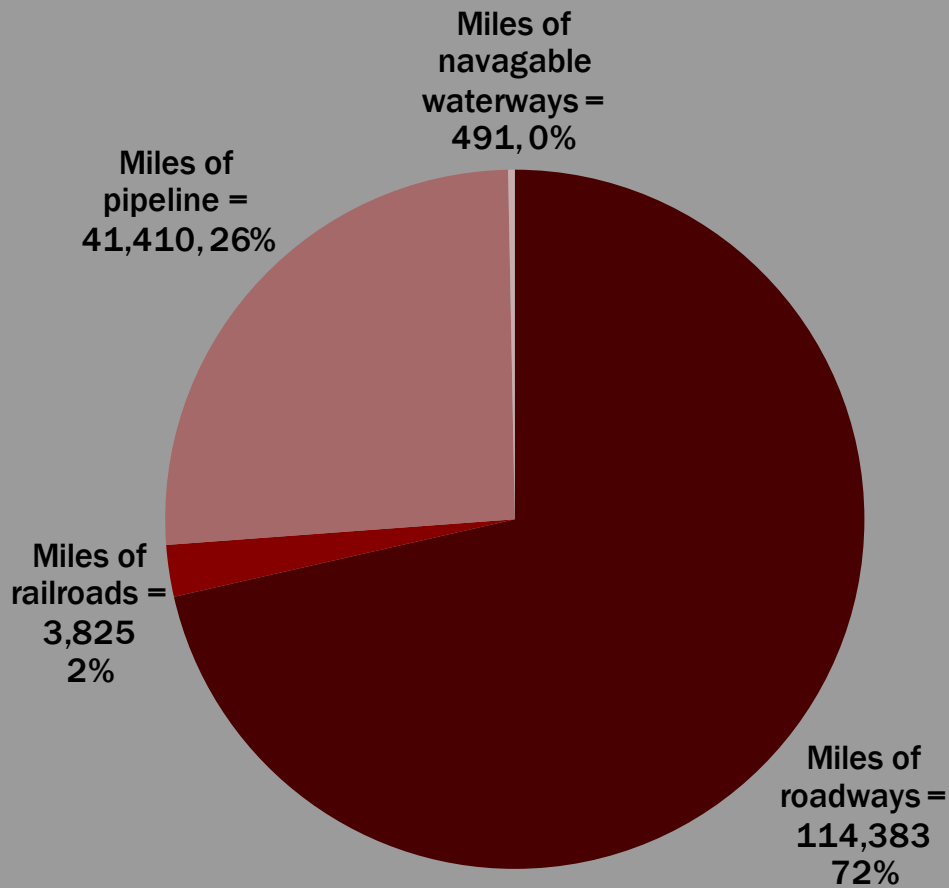
**SAM HISCOCKS**  
FREIGHT COORDINATOR  
SYSTEMS PLANNING

# OUTLINE



- Iowa freight overview
- Multimodal freight project identification and prioritization
- Value, Condition, and Performance (VCAP) matrix
- Results
- Next steps

# IOWA FREIGHT NETWORK

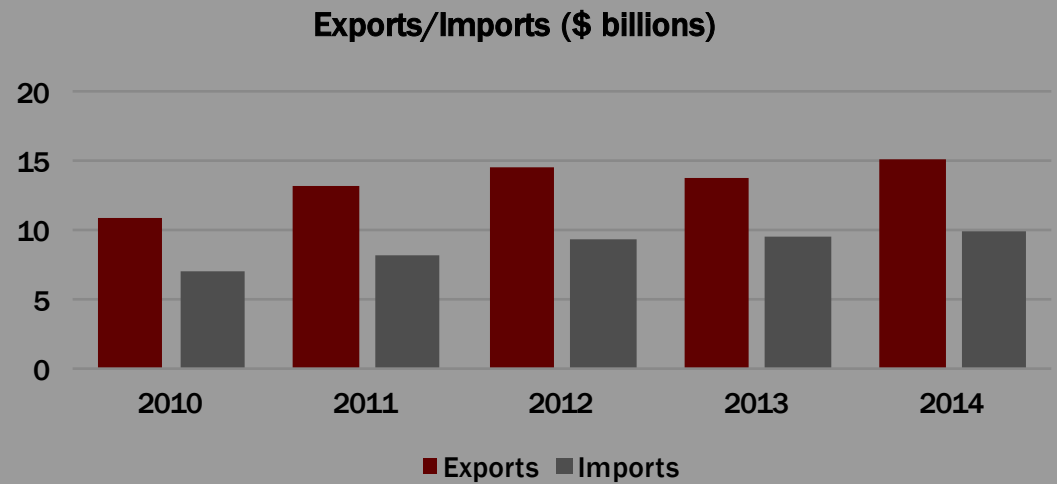
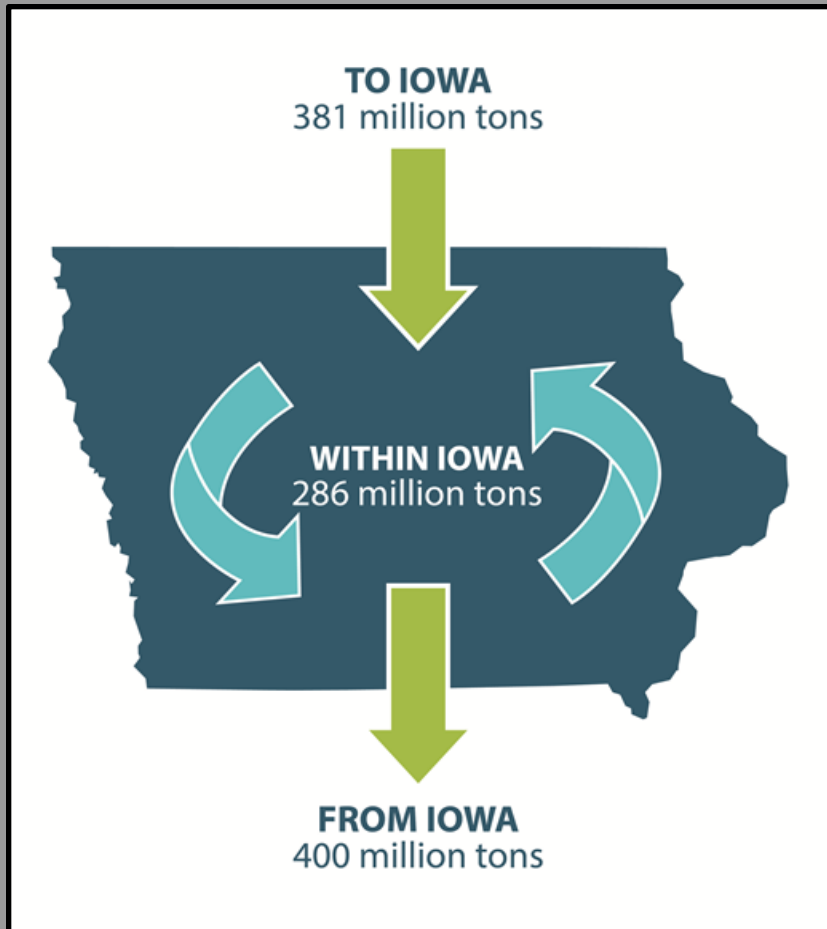


Total = 160,109 miles

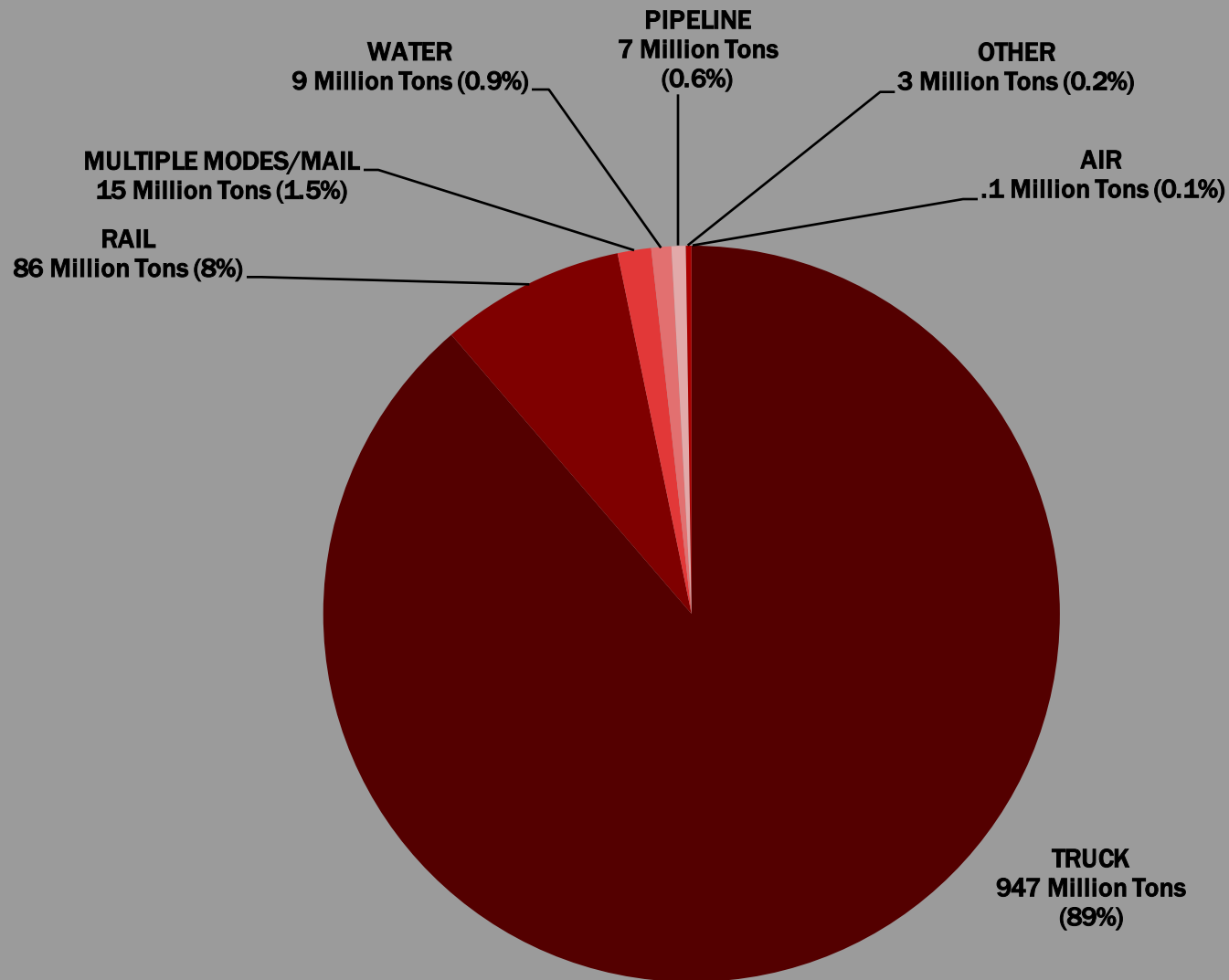
## SYSTEM HIGHLIGHTS

- 108 public airports
- 2,391-mile Commercial & Industrial Network
- Over 25,000 bridges
- Nearly 20,000 trucking companies
- 84 pipeline operators
- 18 railroad companies
- 60 barge terminals
- 11 Lock and Dams
- 1 intermodal container facility
- 15 biodiesel plants
- 44 ethanol plants
- 811 licensed grain elevators

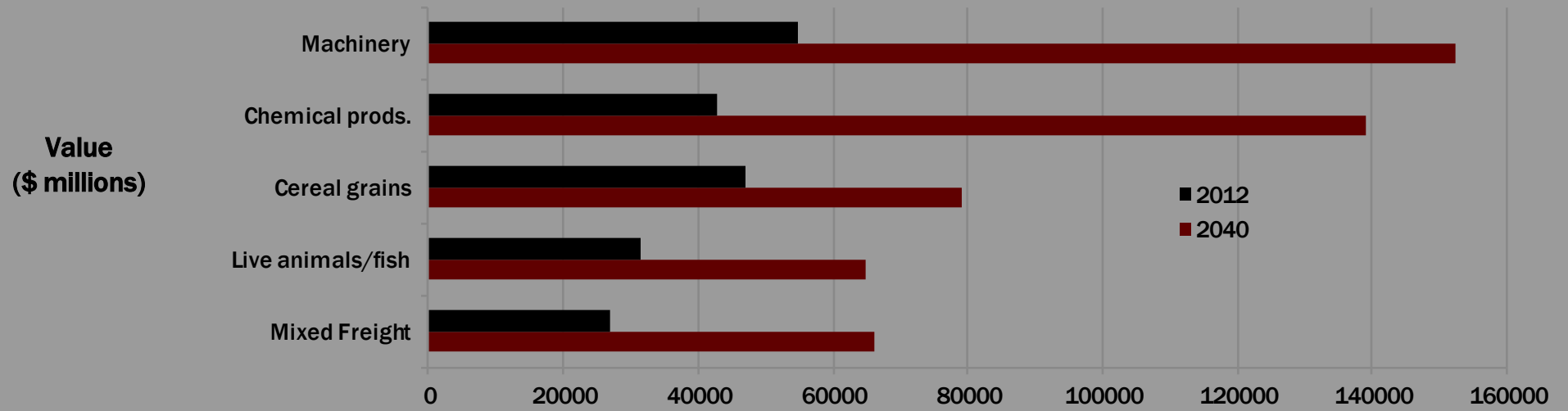
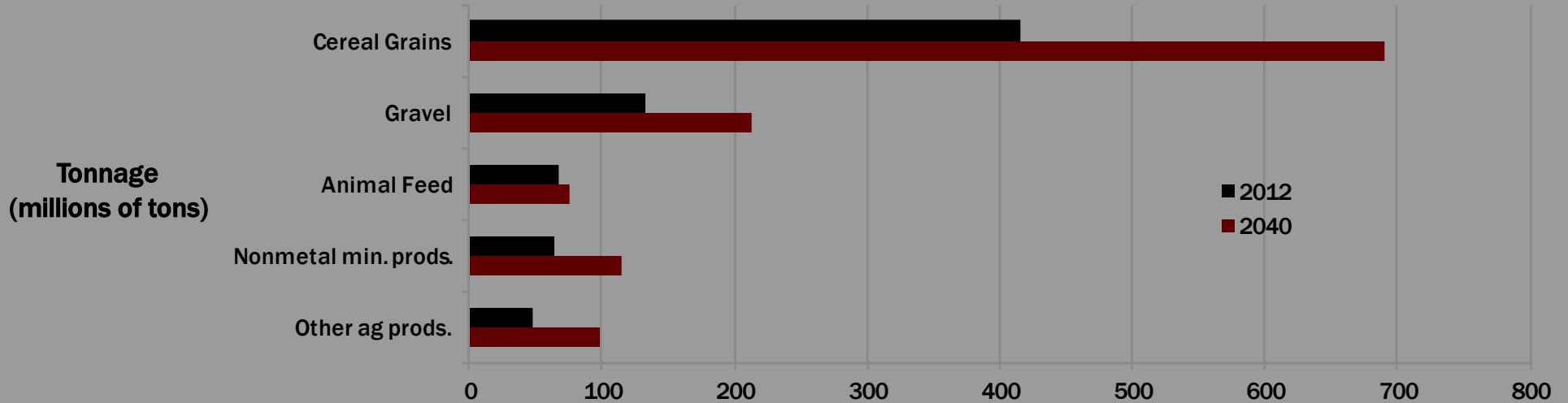
# IOWA FREIGHT MOVEMENT



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# FREIGHT IMPROVEMENTS



IOWA STATE FREIGHT PLAN



# MULTIMODAL FREIGHT IMPROVEMENTS



- Iowa State Freight Plan
- Aviation – Iowa DOT Office of Aviation
- Highway – Freight Mobility Issue Survey, VCAP matrix
- Pipeline – Propane Supply Chain Optimization Study
- Railroad – State Rail Plan
- Waterway – U.S. Army Corps of Engineers















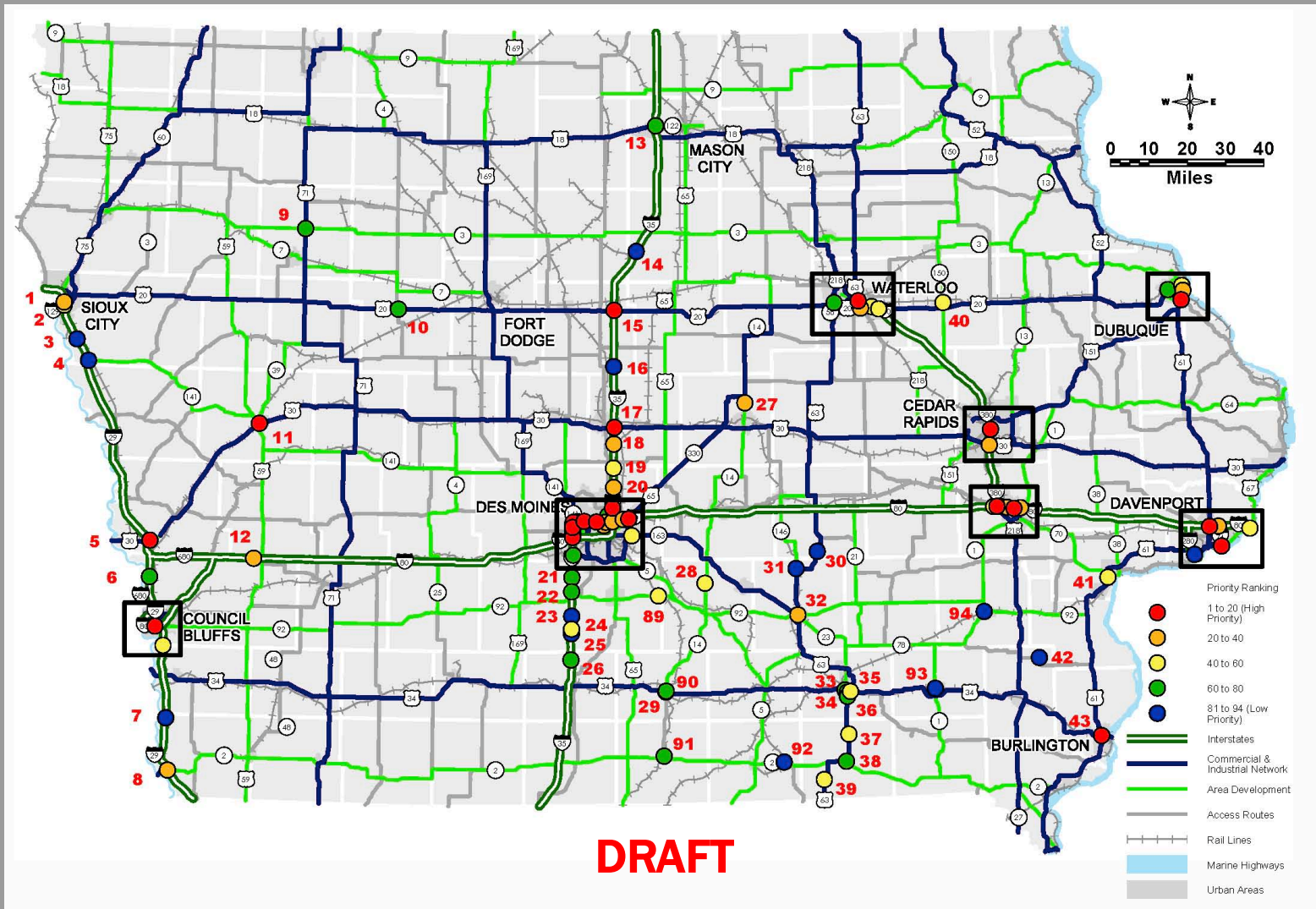
# HIGHWAY FREIGHT PROJECT PRIORITIES



MAP ID	LOCATION	VALUE		CONDITION		PERFORMANCE		TIEBREAK		PRIORITY RANK
		ITRAM	"V" RANK	ICE	"C" RANK	INRIX	"P" RANK	AVERAGE RANKING	TRUCK VOLUME	
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 @ MISSISSIPPI 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

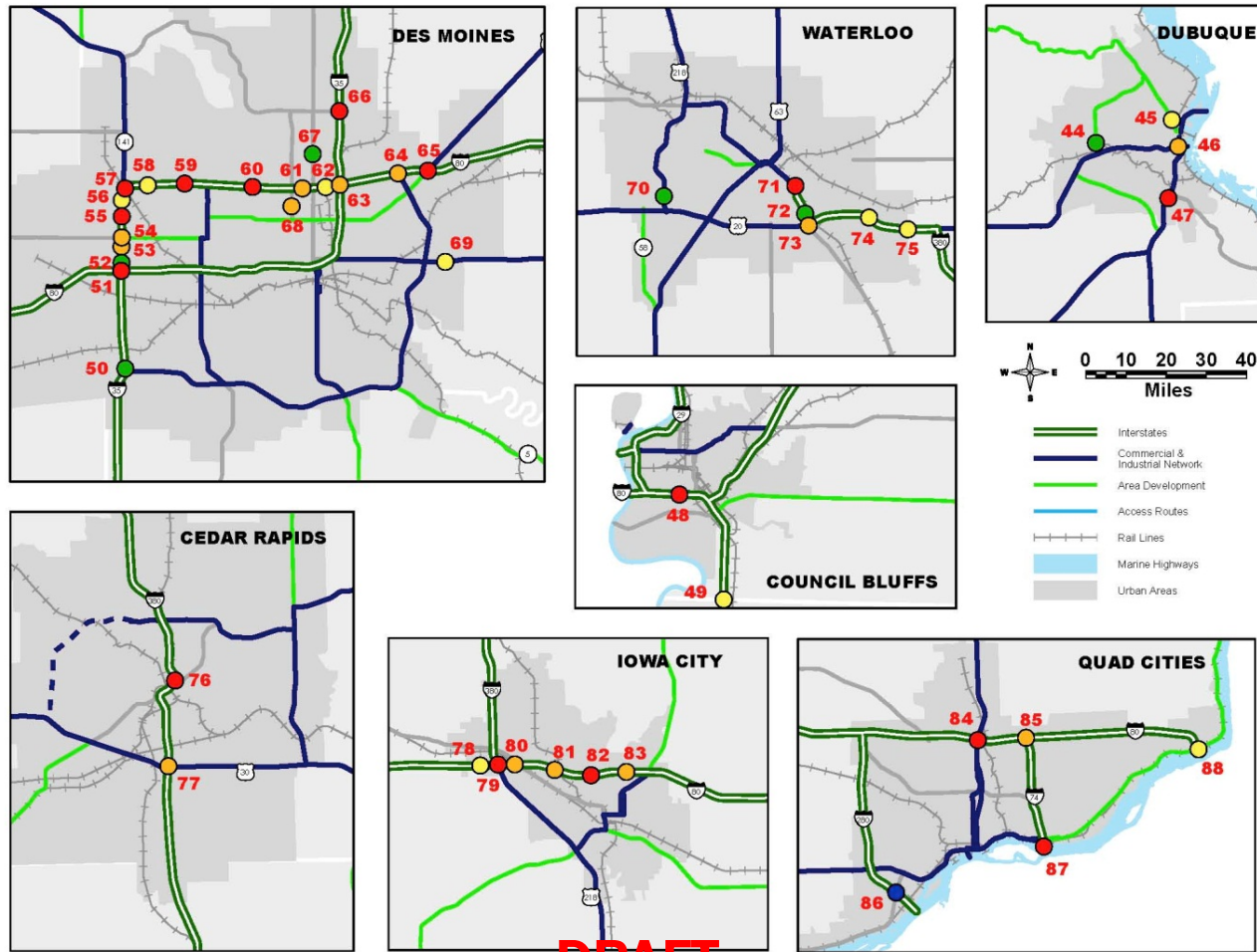
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# HIGHWAY FREIGHT PROJECT PRIORITIES





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**DRAFT**

# NEXT STEPS



- Complete draft prioritized project lists for remaining modes
- Present to Freight Advisory Council for feedback
- Gather input from other stakeholders
- Finalize lists for public input phase

# CONTACT

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