
Technical Advisory Committee

Monday, December 9, 2019

Regular Session

Item H1

Update on the 2045 Long Range Transportation Plan

Staff Contact: Andres Gomez, MPO Program Manager



Technical Advisory Committee | December 9, 2019

Agenda

- Overview of the LRTP
- February 2020 Public Open House
- Existing System Assessment

What is an LRTP?

- MPOs must update every 5-years
- MPO Region's plan to accomplish transportation goals
- Includes all modes of travel:
 - Highway, Bicycle, Pedestrian, Transit, Freight
- Projects must be in LRTP to be included in Transportation Improvement Program (TIP)
- Must be fiscally-constrained
- Must promote regional performance measures and targets

Performance-Based LRTP

- Definition: Apply Performance Measures to the Decision-Making Process to Achieve Desired Outcomes



2045 LRTP Schedule



Overall Public Engagement Efforts

- Project Website
- Press Releases
- Meeting Advertisement
- Social Media
- Email Outreach
- Phone Calls to Strategic Organizations
- Three Public Open Houses
- Focus Group Meetings

First Public Open House

- Open House with Input Activities
 - February 4, 2020
 - Grand Island Public Library
 - 5:00 – 6:30 PM
- Promotional Effort will Start in January
- Focus Group Meetings Day of February 4

Focus Group Meetings

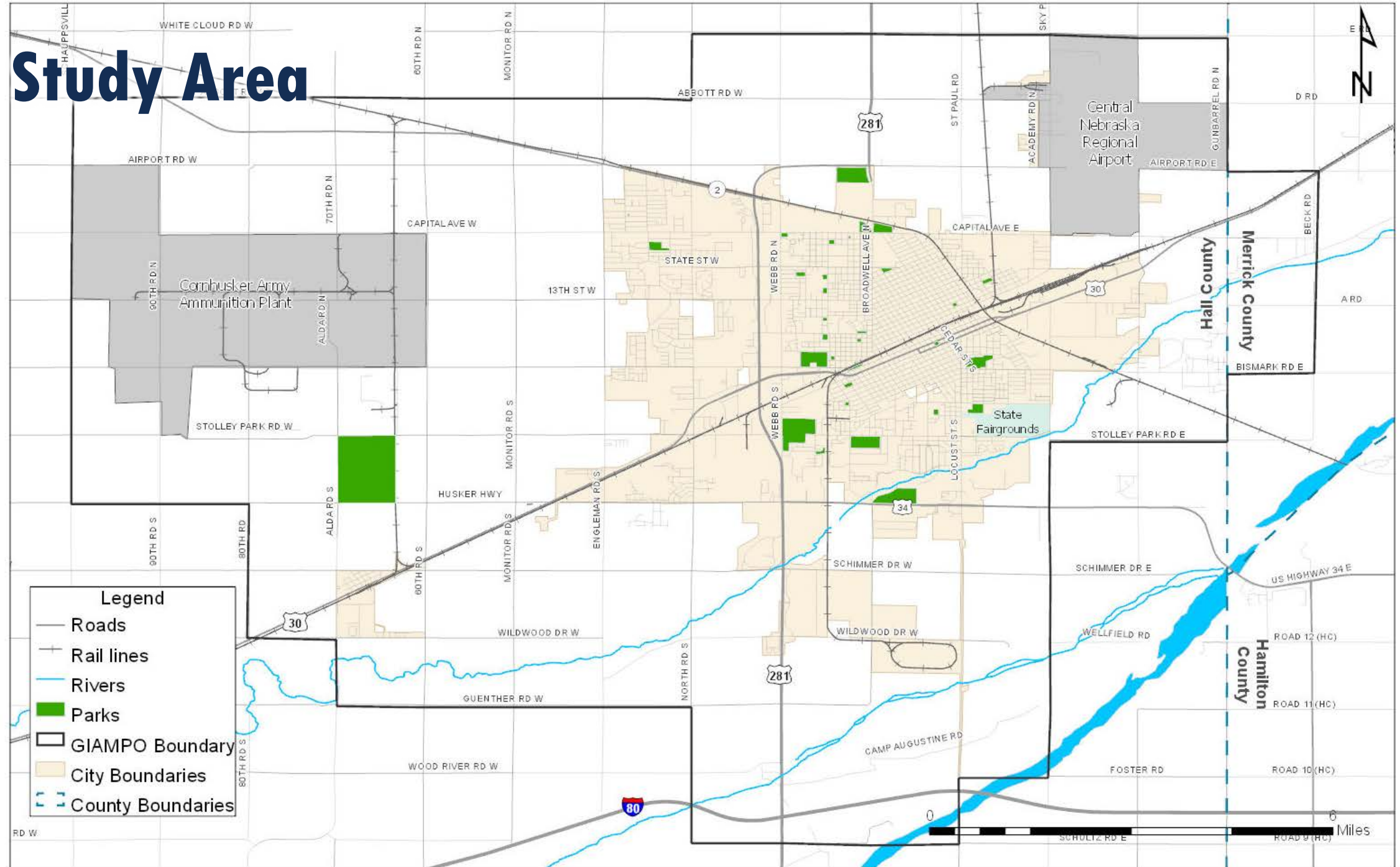
• Topic: Transportation Issues and Goals

Economic Group	Schools / Transportation Group	Agencies Group
Grand Island Convention & Visitors Bureau	Grow Grand Island - Livable Community	Merrick County
Grand Island Area Chamber of Commerce	Centura Public Schools	Hall County
Grand Island Economic Development Corporation	Multicultural Coalition	City of Grand Island
Doniphan Economic Development Corporation	Wood River Public Schools	Cairo
Wood River Economic Development Corporation	Nebraska Transit	Wood River
Nebraska State Fair	Central Community College of Nebraska	Doniphan
Hornaday Manufacturing	CNHD Walk/Bike Initiative	Alda
Grand Island Express - Trucking and Shipping	UNL Extension	
Sunrise Express	Grand Island Public Schools	
Devall Trucking, Inc.	Doane College	
JBS S.A.	Grand Island Northwest Public Schools	
Central Nebraska Transload	Doniphan-Trumbull Public Schools	
	Heartland Lutheran Schools	
	Nebraska Public Transit (Mobility Manager)	
	FTA 5307/5310/5311 (MPO Transit Funding Committee)	
	City of Grand Island - Police Department	

Draft Existing Conditions Results

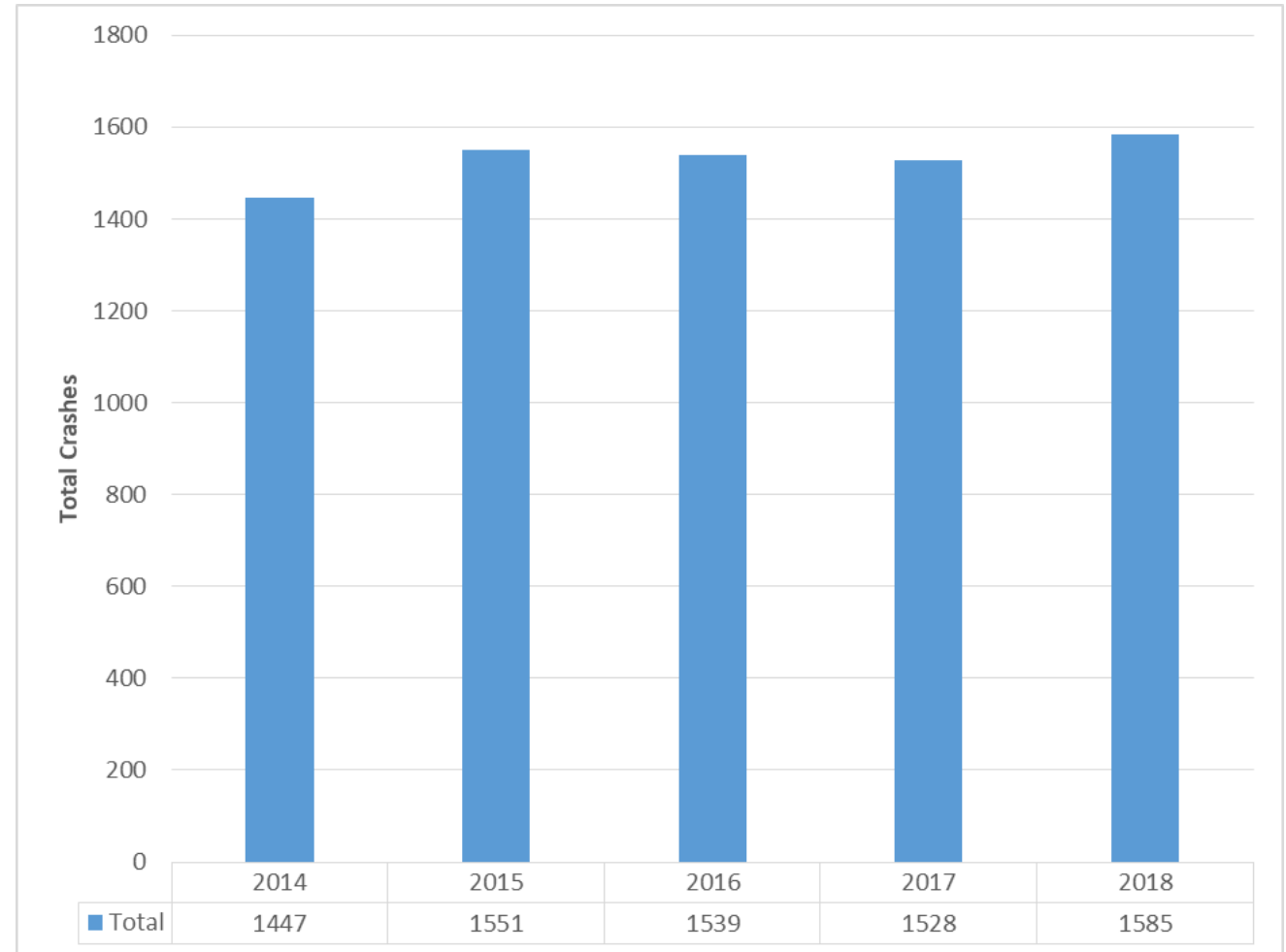
- Draft Results Presented Today
- Document Will Be Provided in December
- Revisions Based on Comments

Study Area

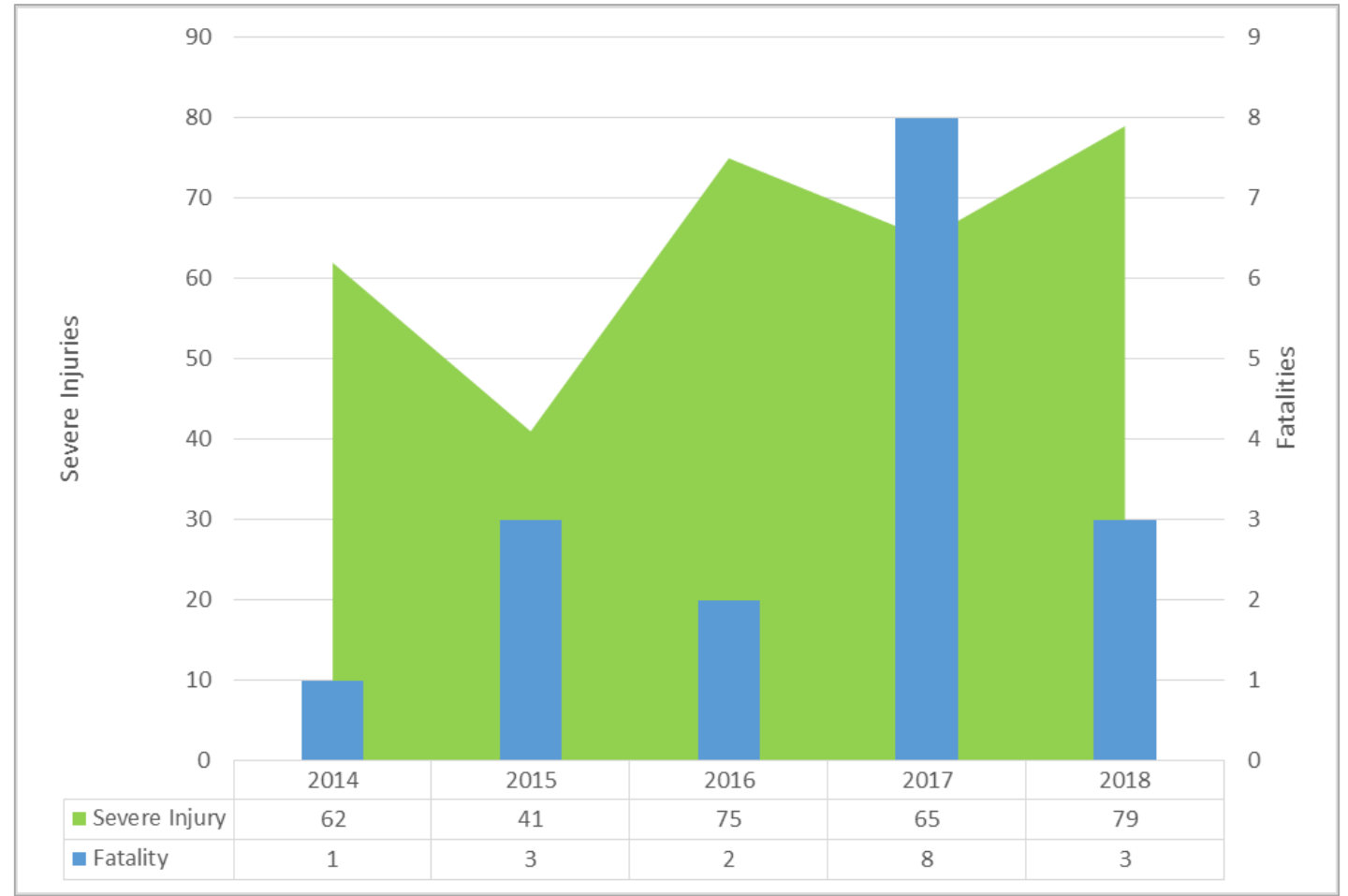
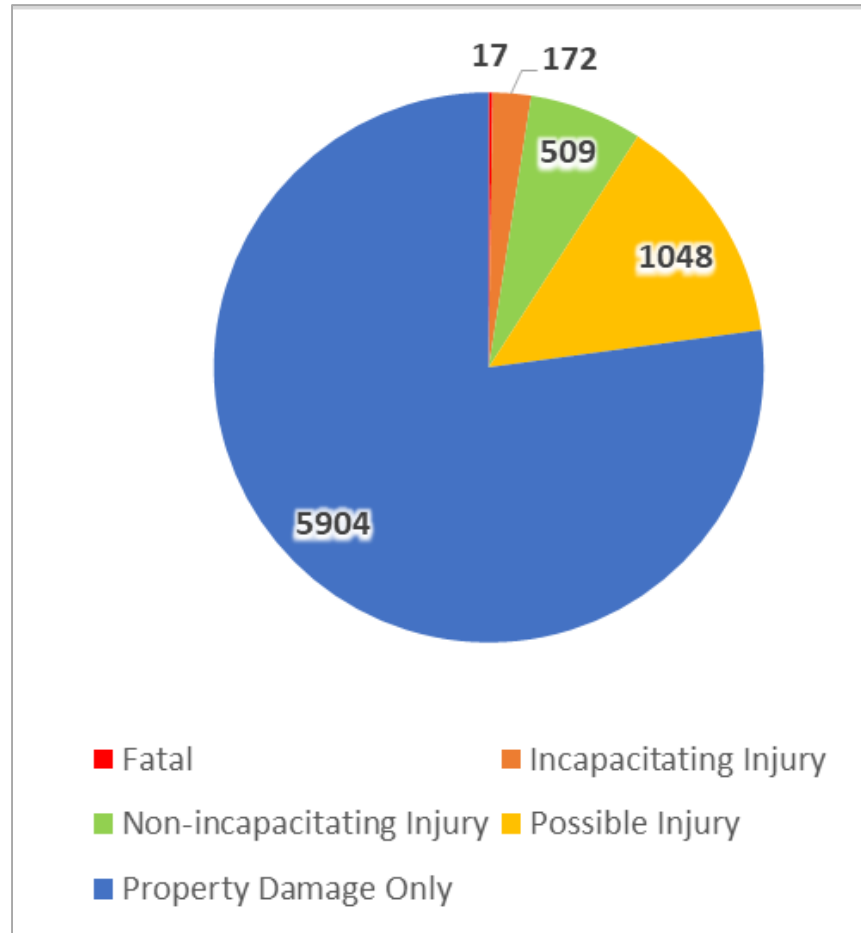


Crash Trends

- Steady Annual Trends for GIAMPO Area



Crash Severity



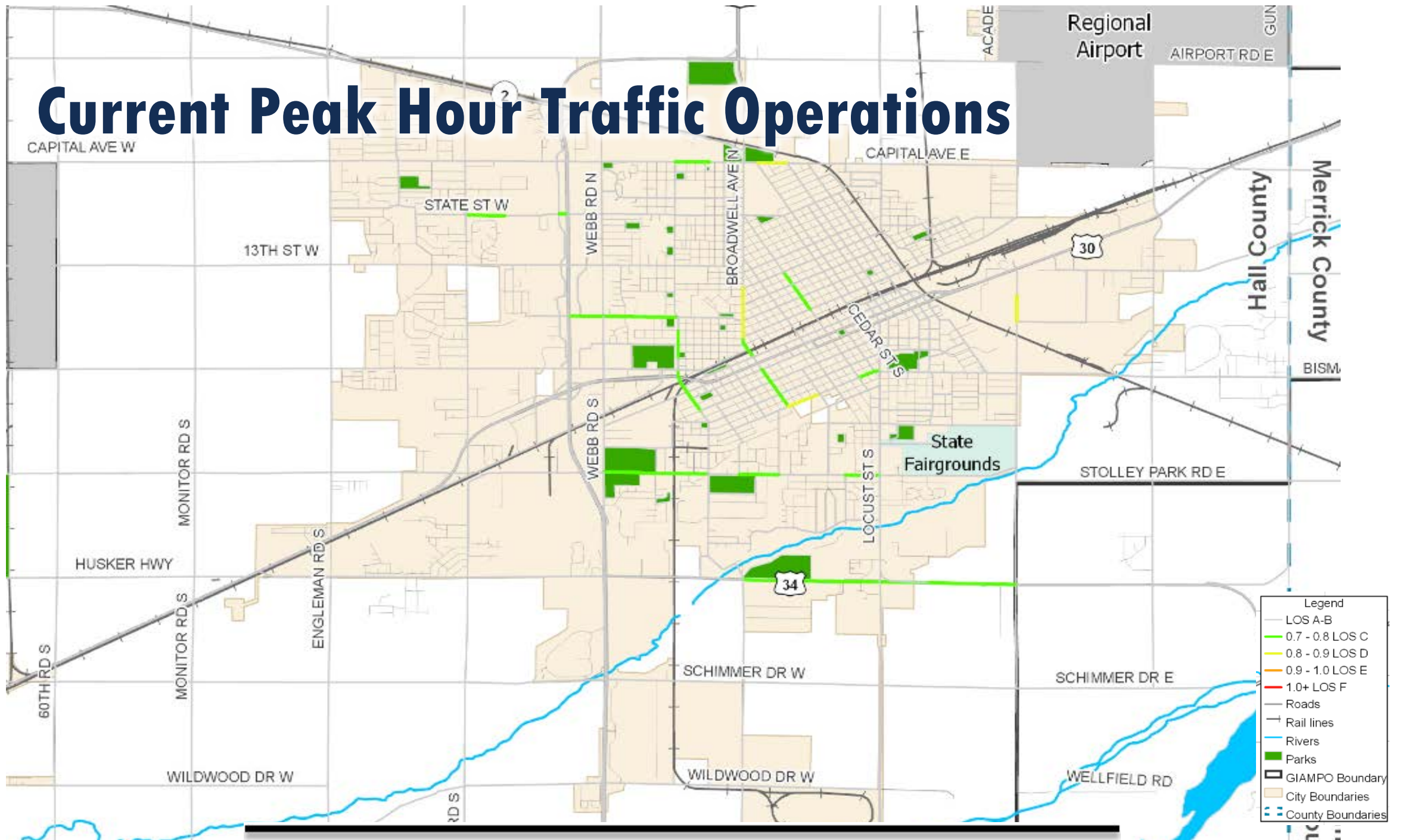
High Crash Intersections

Map of Lincoln, Nebraska, showing high crash intersections. The map highlights 20 numbered locations (1-20) where high crash rates occur. Major roads shown include Capital Ave W, Capital Ave E, Broadwell Ave N, Webb Rd N, Webb Rd S, Monitor Rd S, Engleman Rd S, Schimmer Dr W, Schimmer Dr E, Wildwood Dr W, Wildwood Dr E, Wellfield Rd, and Stolley Park Rd E. The map also shows the Nebraska Regional Airport, State Fairgrounds, and the city of Lincoln. The map is titled "High Crash Intersections".

High Crash Intersections

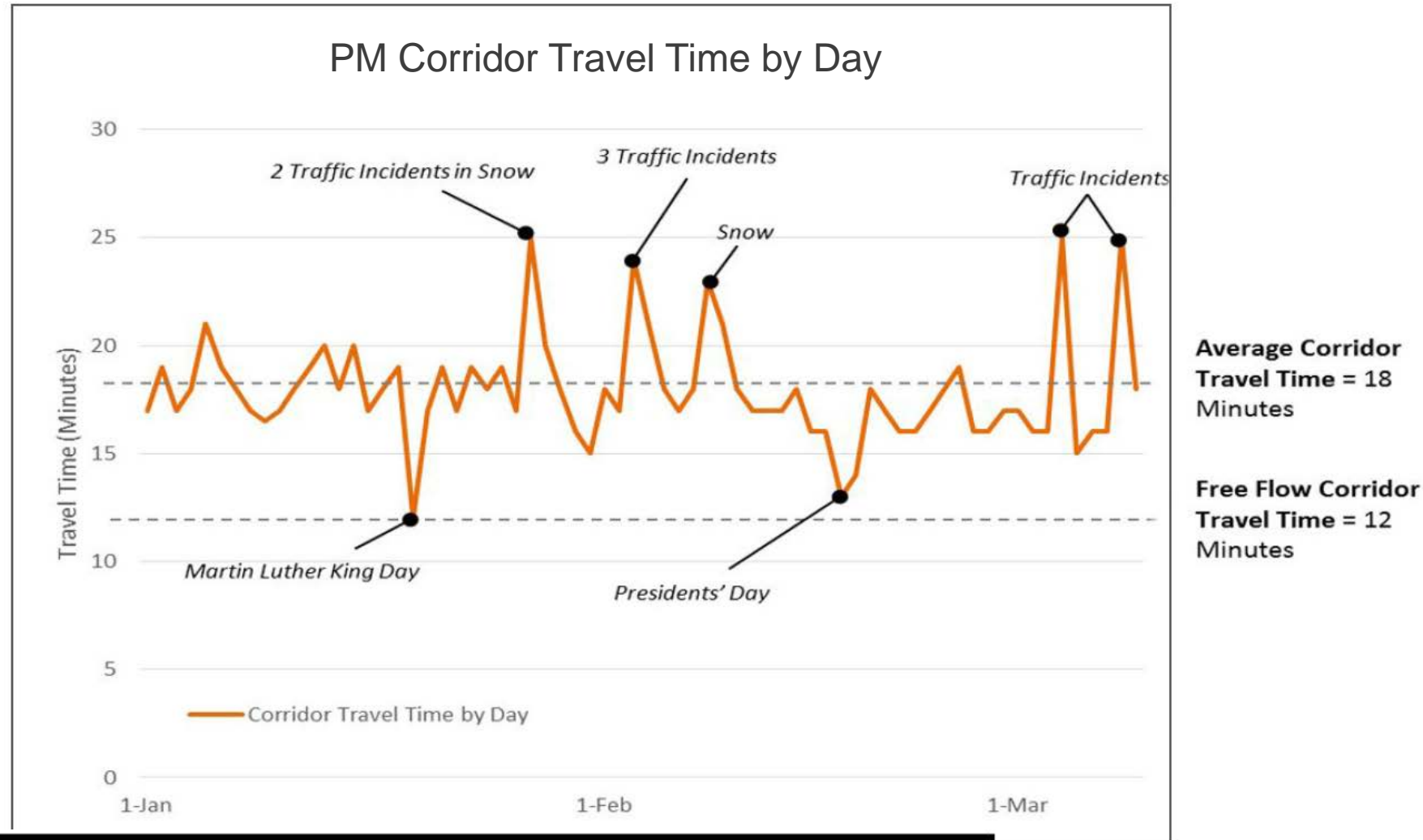
Rank	Intersection	2014	2015	2016	2017	2018	5-Year Crashes
1	State Street & Broadwell Avenue (5 Points)	13	22	14	14	15	78
2	Stolley Park Road & Locust Street	9	19	19	18	10	75
3	2nd Street & Eddy Street	12	16	10	17	18	73
4	Faidley Avenue & Webb Road	5	14	18	10	21	68
5	2nd Street & Broadwell Avenue	11	14	16	9	17	67
6	Old Potash Highway & Highway 281	0	1	38	3	22	64
7	Highway 34 & Highway 281	11	8	11	10	12	52
8	State Street & Webb Road	7	11	7	8	17	50
9	13th Street & Webb Road	8	15	10	8	9	50
10	State Street & Diers Avenue	7	10	10	11	11	49
11	3rd Street & Broadwell Avenue	5	9	13	12	10	49
12	Old Potash Highway & Webb Road	9	9	13	8	8	47
13	6th Street & Broadwell Avenue	7	11	11	7	11	47
14	Bismark Road & Locust Street	10	8	9	9	11	47
15	2nd Street & Walnut Street	7	11	8	11	7	44
16	State Street & Highway 281	1	1	16	1	22	41
17	Capital Avenue & Patrick Avenue	8	3	3	10	17	41
18	Fonner Park Road & Locust Street	6	4	13	6	11	40
19	Capital Avenue & Broadwell Avenue	7	3	10	8	9	37
20	3rd Street & Eddy Street	7	6	13	4	5	35

Current Peak Hour Traffic Operations

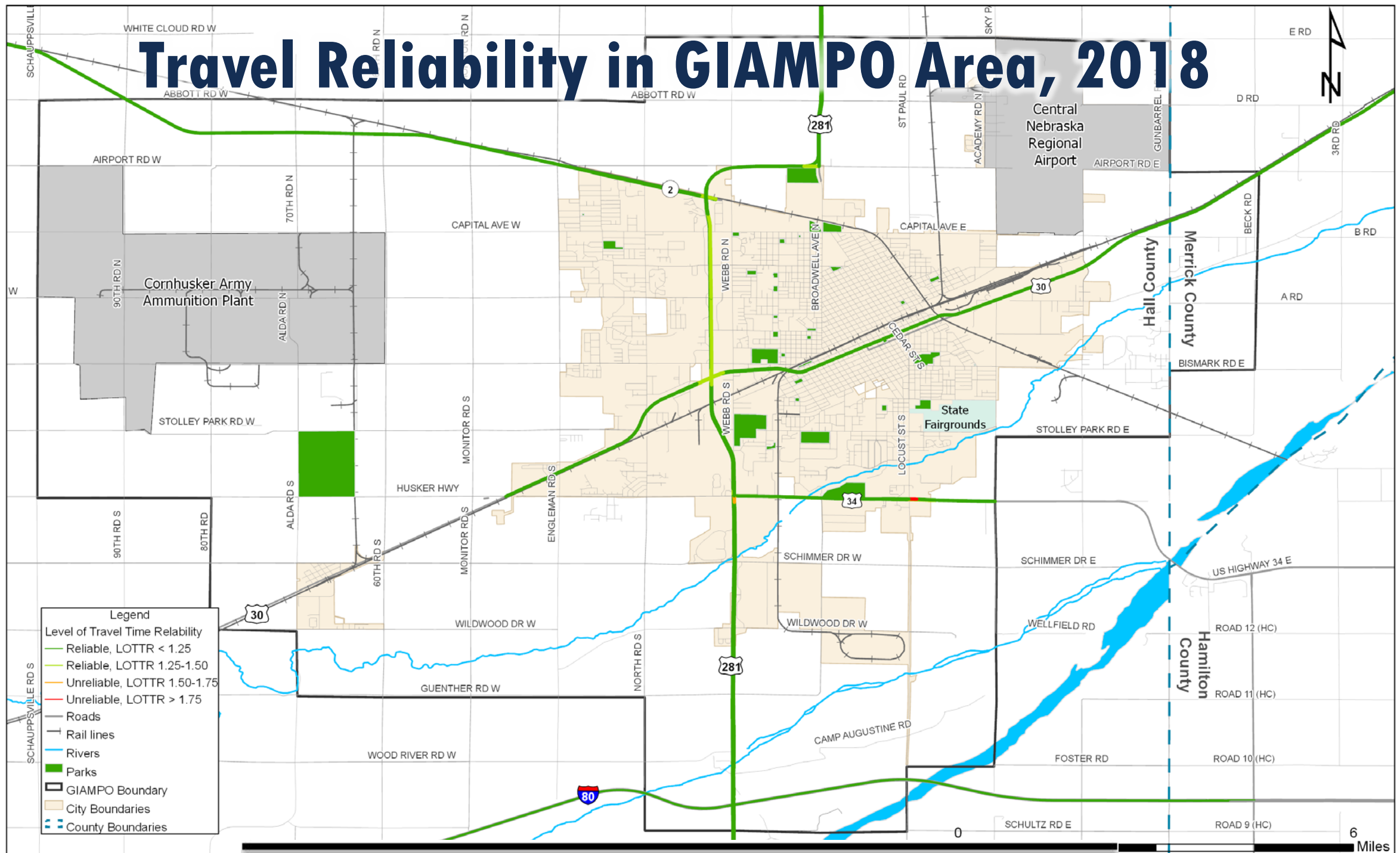


Travel Reliability Illustrated

- How Consistent are Corridor Travel Times?



Travel Reliability in GIAMPO Area, 2018

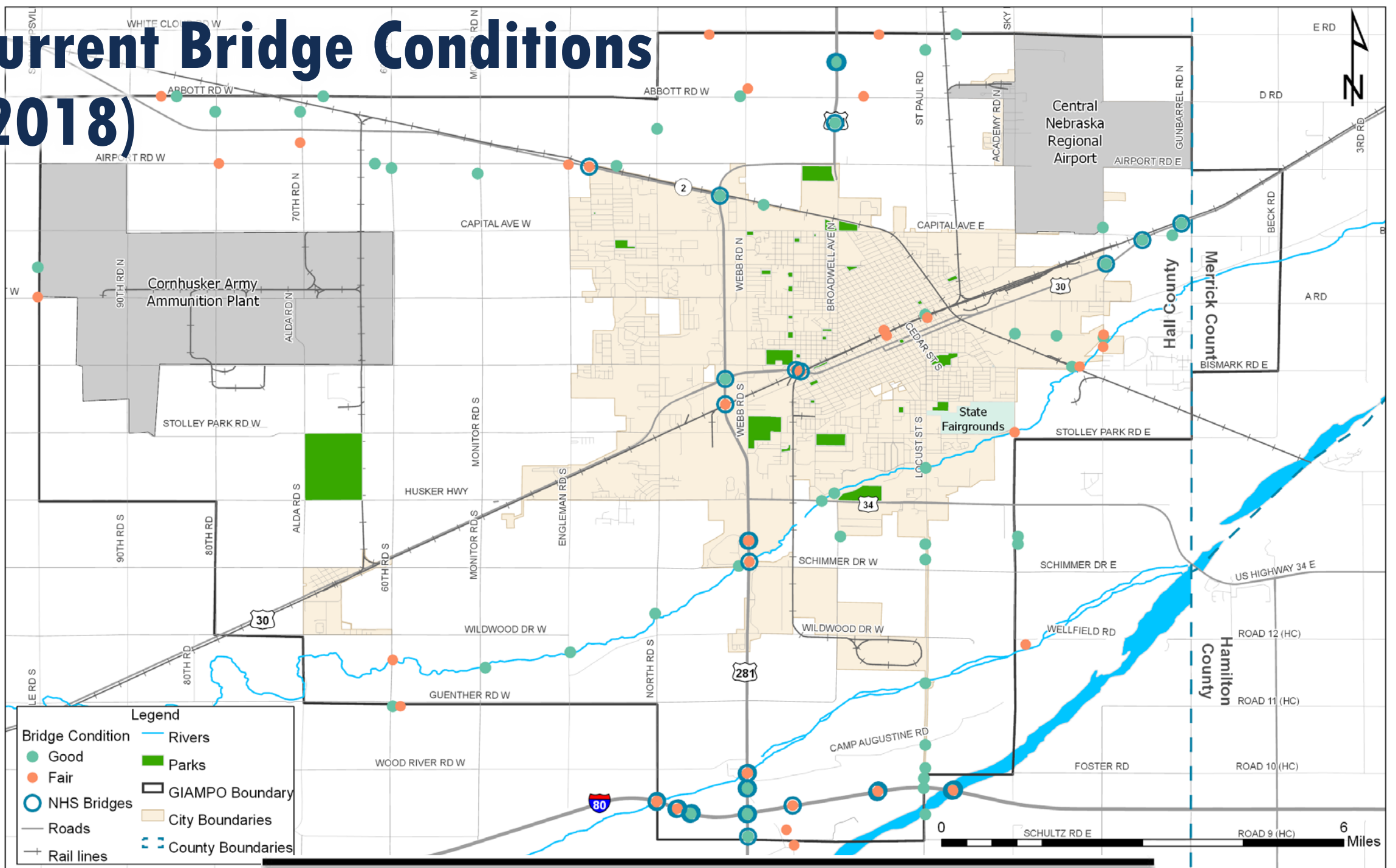


Bridge and Pavement

- Awaiting NDOT Pavement Condition Data
- Bridges are measured for National Highway System (NHS)
- Target is to have 95% of Bridges in Good or Fair condition
 - GIAMPO is at 100%

Bridge Rating	Total Deck Area Conditions
Good	36%
Fair	64%
Poor	0%

Current Bridge Conditions (2018)



Next Steps

- Provide Draft Existing Conditions Document
- February 4 Open House
- Finalize LRTP Goals and Objectives