



**Technical Advisory Committee | December 9, 2019**

# Agenda

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

# What is an LRTP?

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- 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

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





# 2045 LRTP Schedule



# Overall Public Engagement Efforts

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- Project Website
- Press Releases
- Meeting Advertisement
- Social Media
- Email Outreach
- Phone Calls to Strategic Organizations
- Three Public Open Houses
- Focus Group Meetings (February 4, 2020)

# First Public Open House

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- 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

Grand Island Convention & Visitors Bureau

Grand Island Area Chamber of Commerce

Grand Island Economic Development Corporation

Doniphan Economic Development Corporation

Wood River Economic Development Corporation

Nebraska State Fair

Hornaday Manufacturing

Grand Island Express - Trucking and Shipping

Sunrise Express

Devall Trucking, Inc.

JBS S.A.

Central Nebraska Transload

## Schools / Transportation Group

Grow Grand Island - Livable Community	Centura Public Schools
Multicultural Coalition	Wood River Public Schools
Nebraska Transit	Central Community College of Nebraska
CNHD Walk/Bike Initiative	UNL Extension
Grand Island Public Schools	Doane College
Grand Island Northwest Public Schools	Grand Island Central Catholic School
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	

## Agencies Group

Merrick County

Hall County

City of Grand Island

Cairo

Wood River

Doniphan

Alda



# Draft Existing Conditions Results

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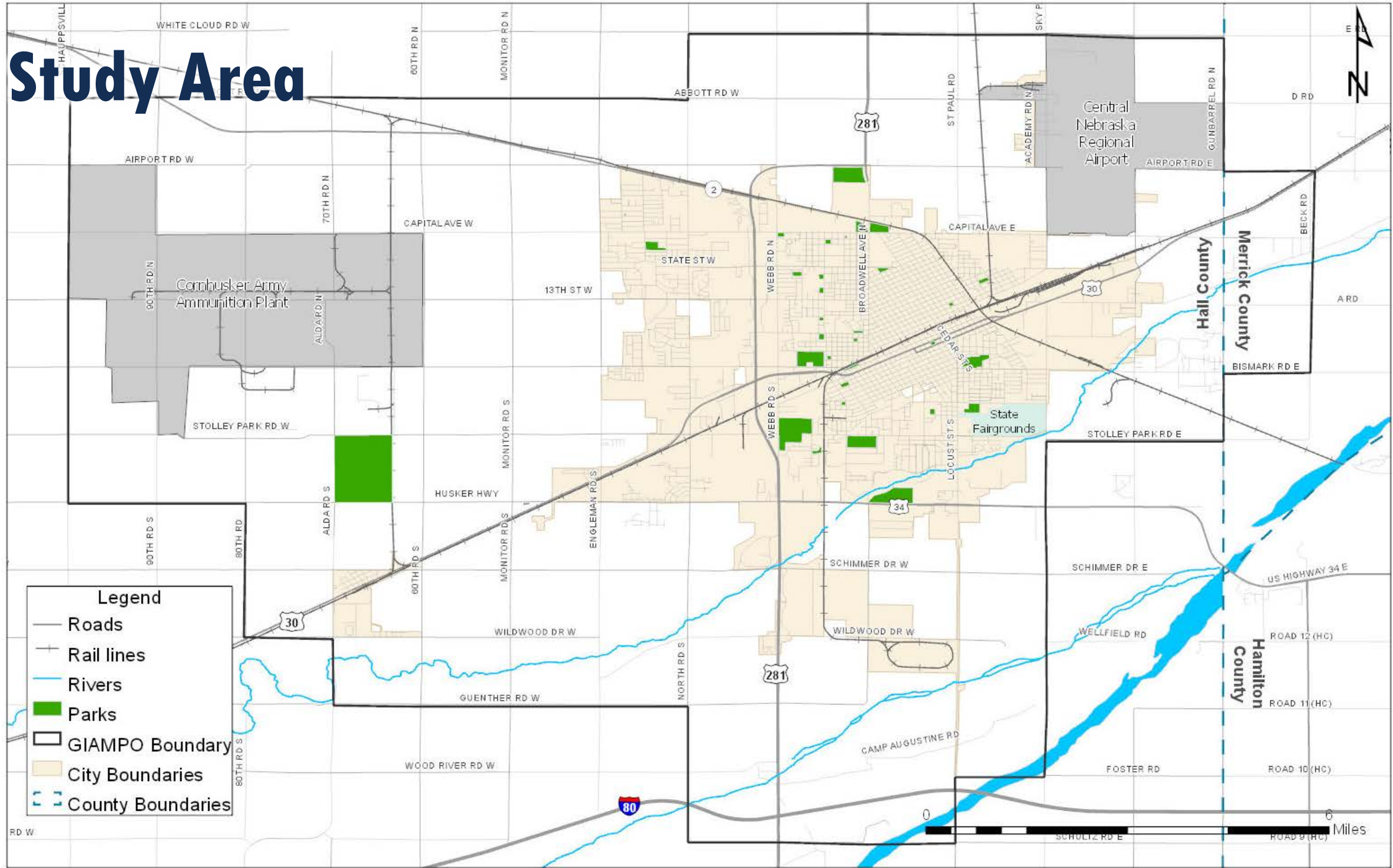
- Draft Results Presented Today
- Document Will Be Provided in December
- Revisions Based on Comments
- Topics:
  - Crash / Safety
  - Traffic Operations
  - Travel Reliability
  - Pavement and Bridge Condition

**Study Area**

**Legend**

- Roads
- Rail lines
- Rivers
- Parks
- GIAMPO Boundary
- City Boundaries
- County Boundaries

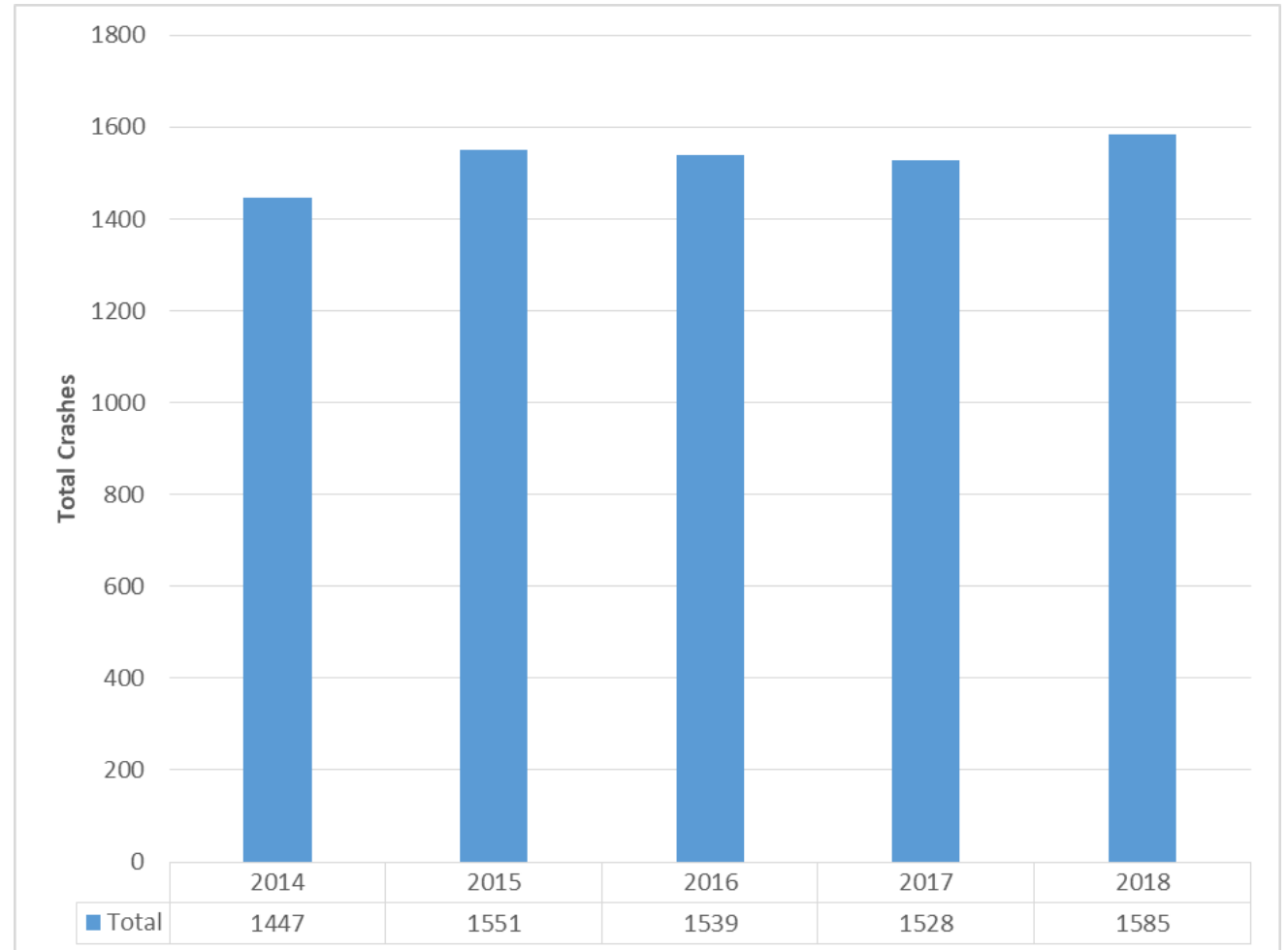
The map displays the GIAMPO Boundary (black outline) and City Boundaries (orange shading) within Lincoln, Nebraska. Key landmarks include the Cornhusker Army Ammunition Plant (gray area), Central Nebraska Regional Airport (gray area), and State Fairgrounds (blue area). Major roads shown include US Highway 30, US Highway 281, and US Highway 80. County boundaries for Hall, Merrick, and Hamilton counties are indicated by dashed lines. A scale bar (0 to 6 miles) and a north arrow are located in the bottom right corner.



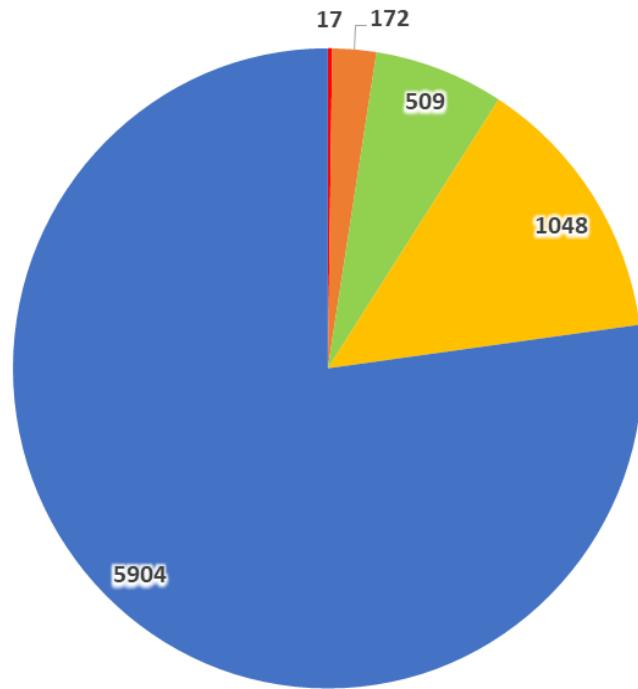
# Crash Trends

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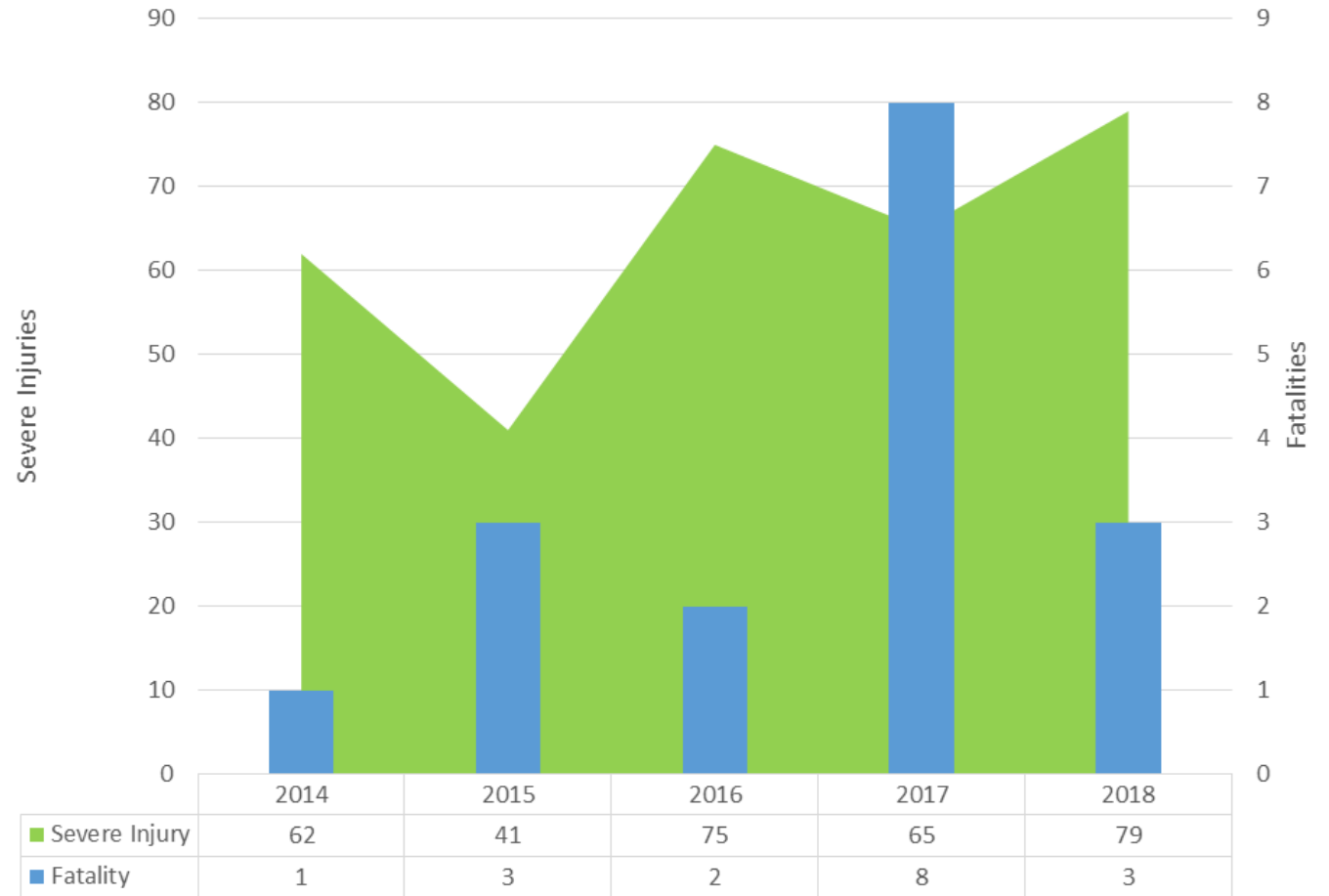
- Steady Annual Trends for GIAMPO Area



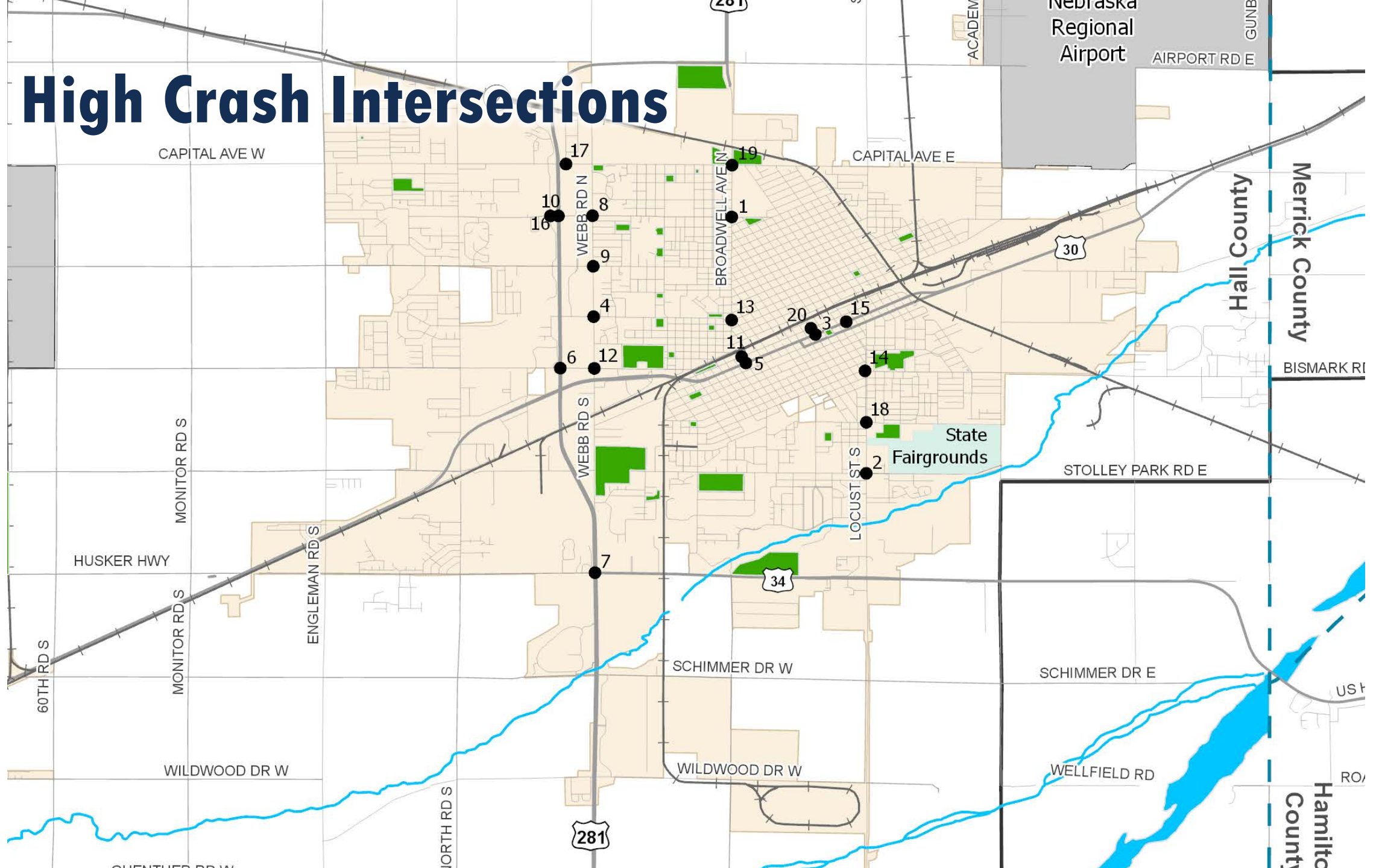
# Crash Severity



■ Fatal  
■ Severe Injury  
■ Non-incapacitating Injury  
■ Possible Injury  
■ Property Damage Only



# High Crash Intersections

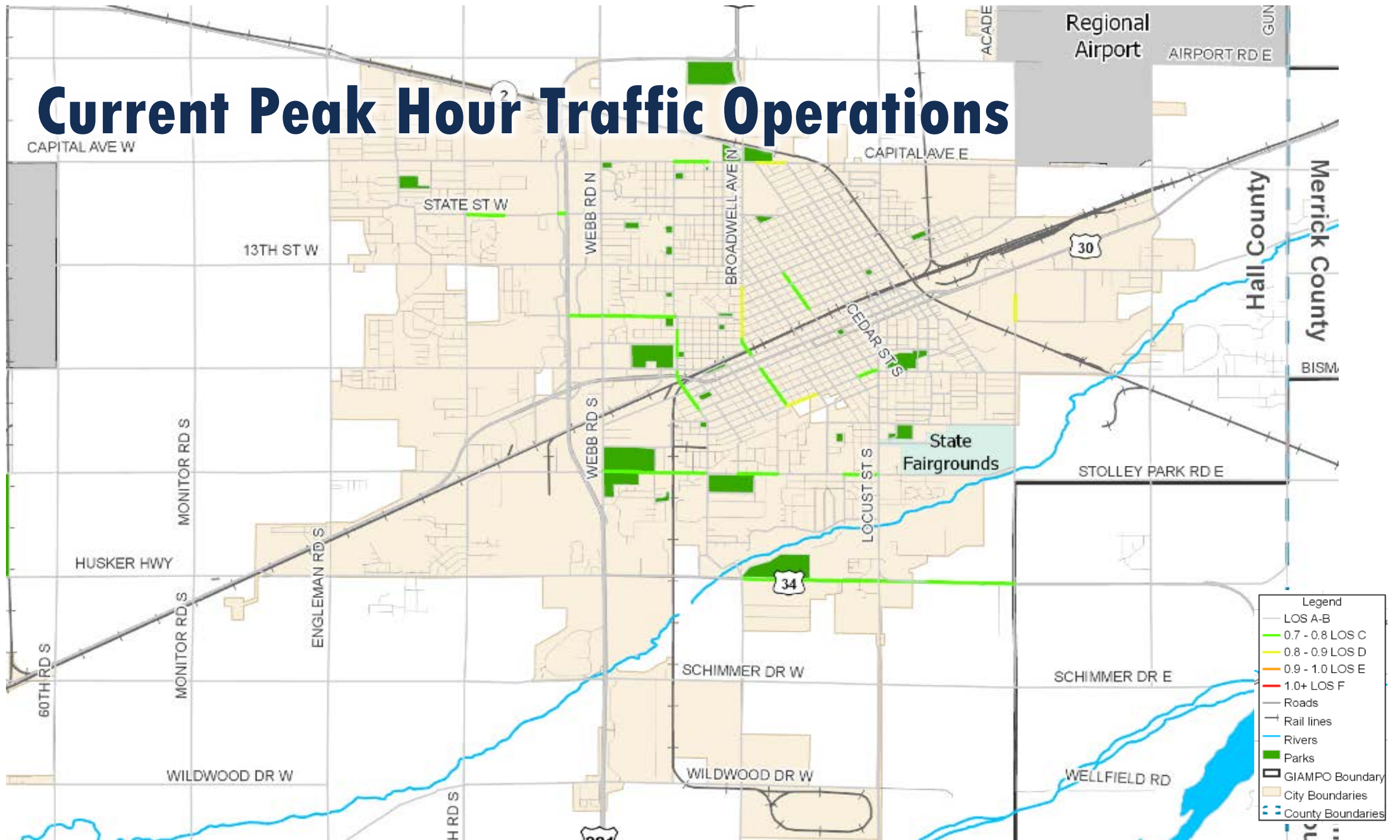


# High Crash Intersections

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

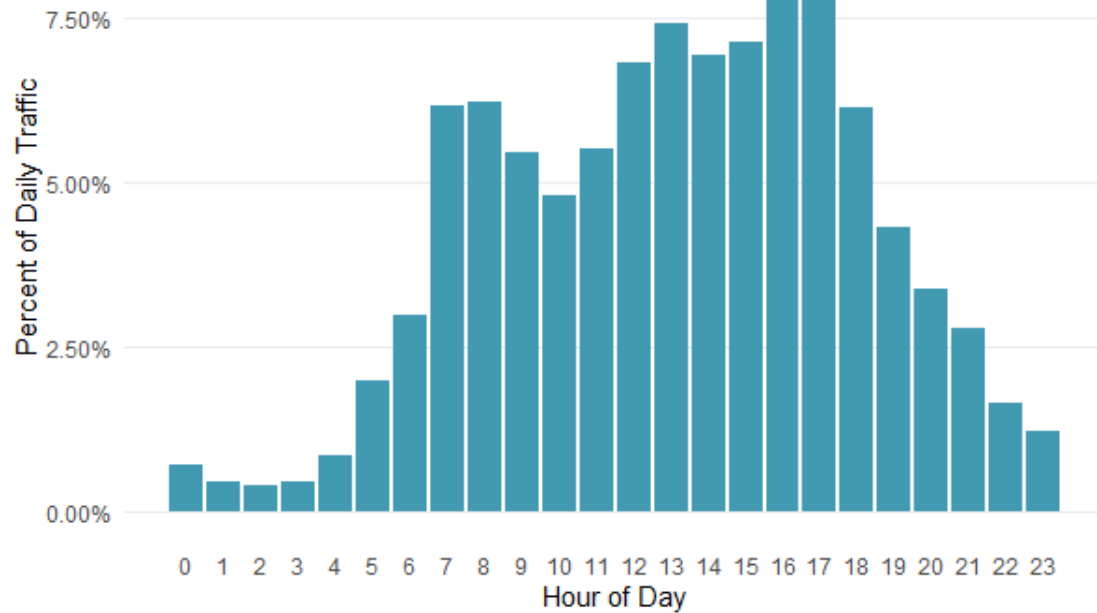


# Current Peak Hour Traffic Operations

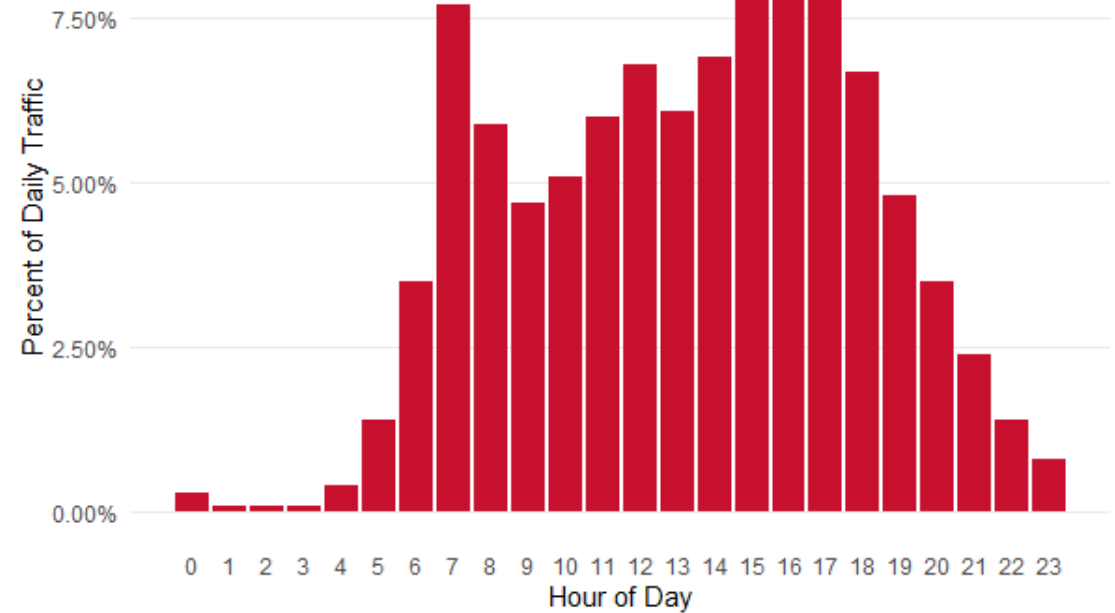


# Traffic by Time of Day

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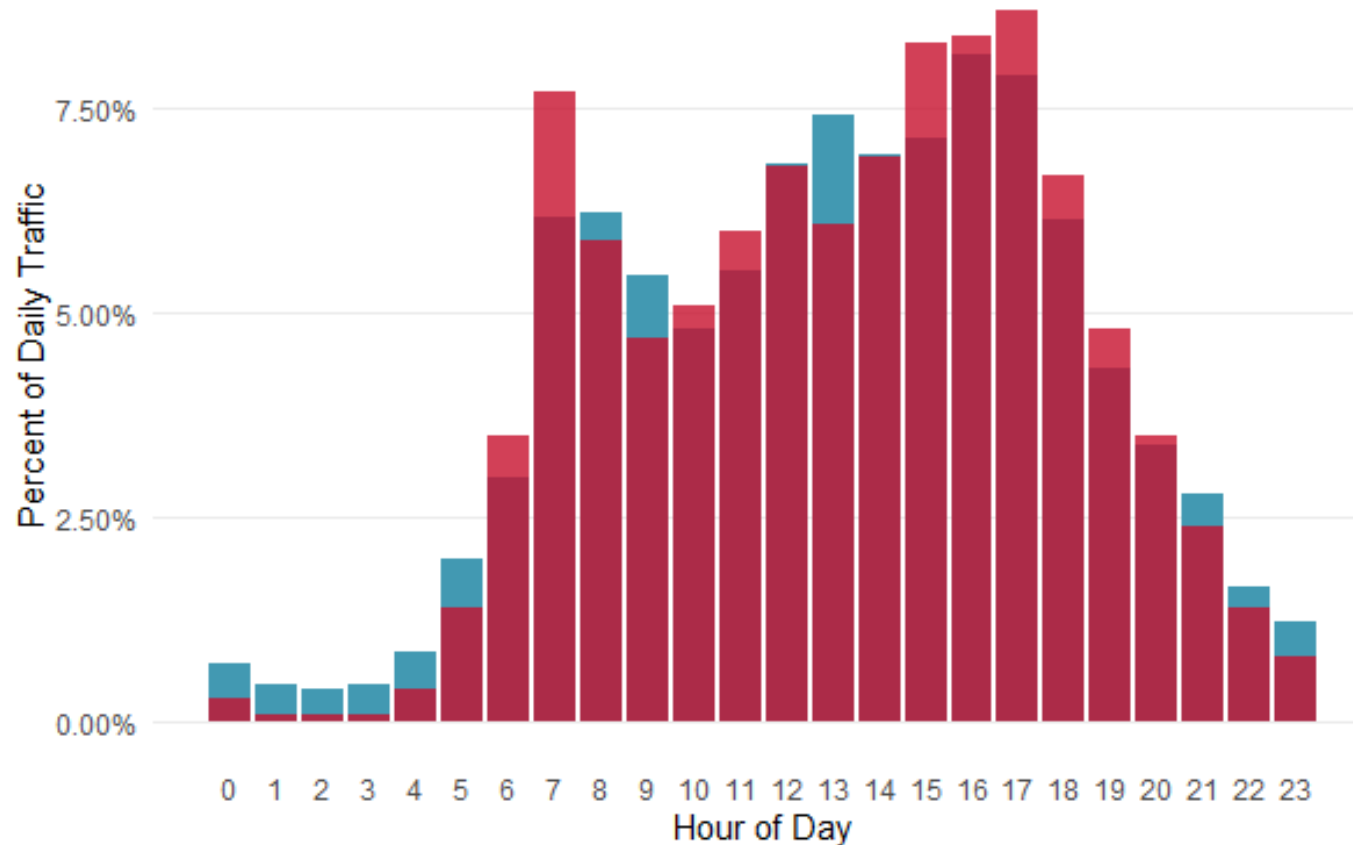
**Grand Island Traffic Distribution  
by Hour**



**National Average Traffic Distribution  
by Hour**

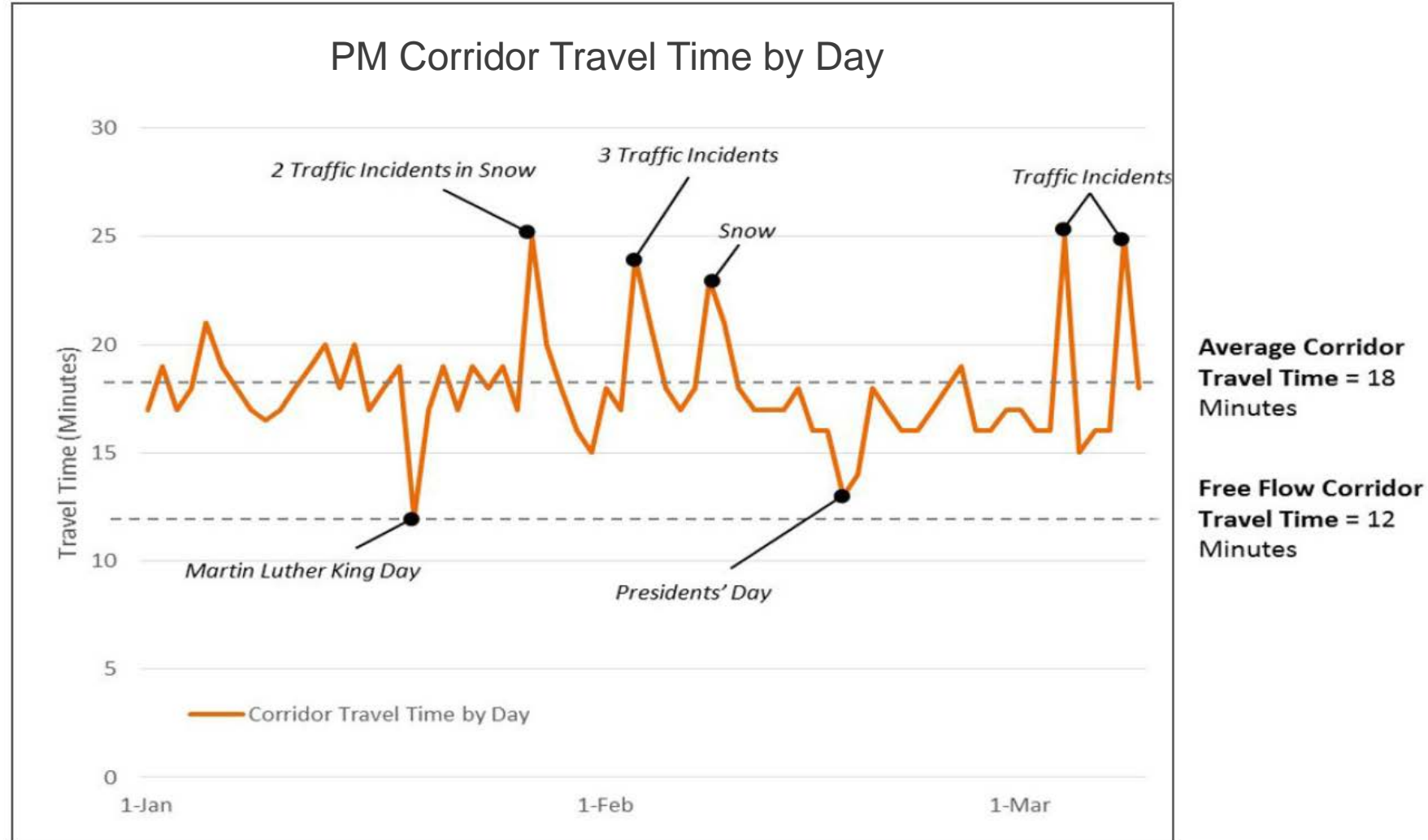
# Traffic by Time of Day

- Grand Island Has More:
  - Overnight Traffic
  - Late Morning Traffic
  - Noon Hour Traffic
- Grand Island Has Less:
  - AM Peak traffic
  - PM Peak traffic

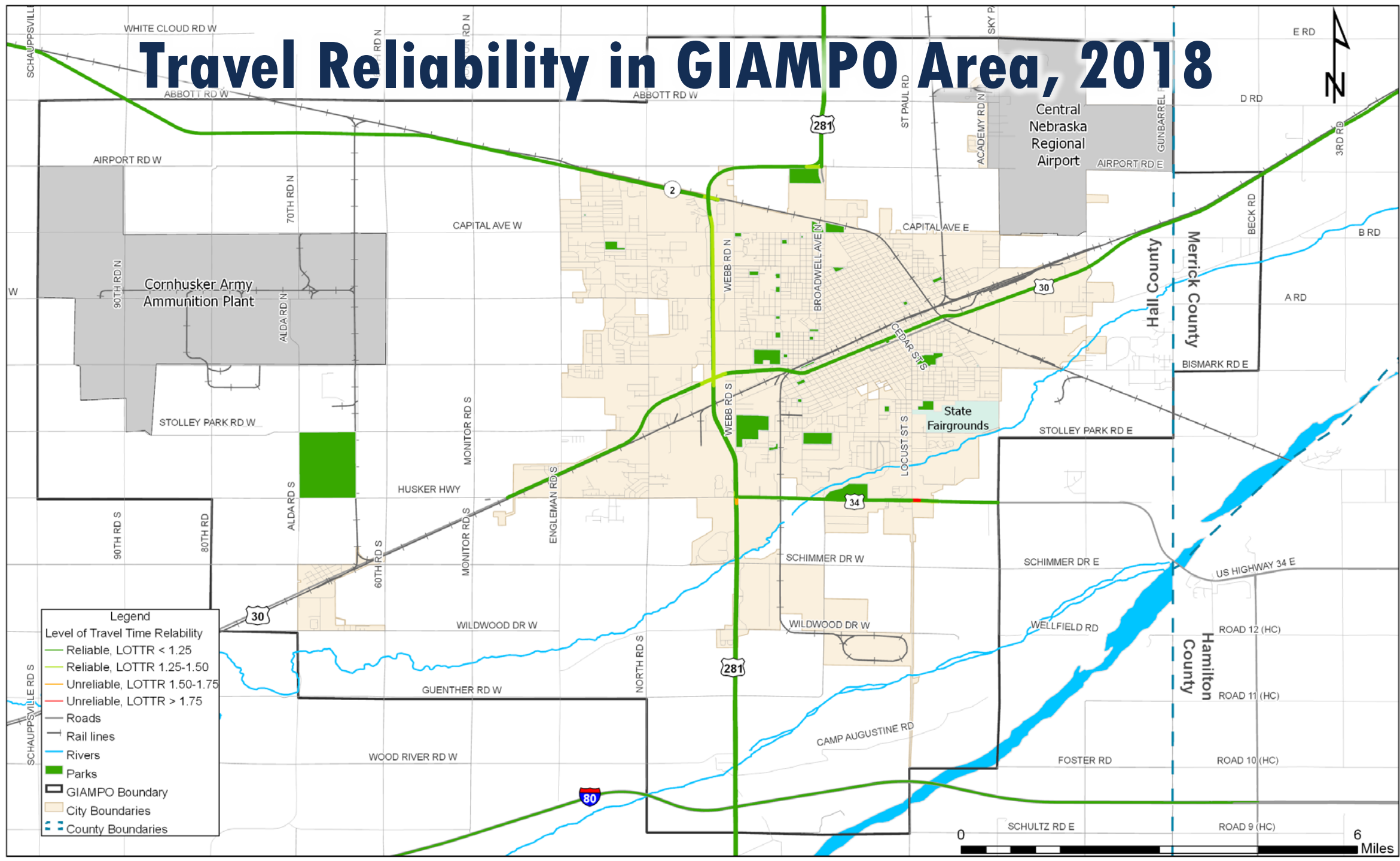


# Travel Reliability Illustrated

- How Consistent are Corridor Travel Times?



# Travel Reliability in GIAMPO Area, 2018



# Bridge and Pavement

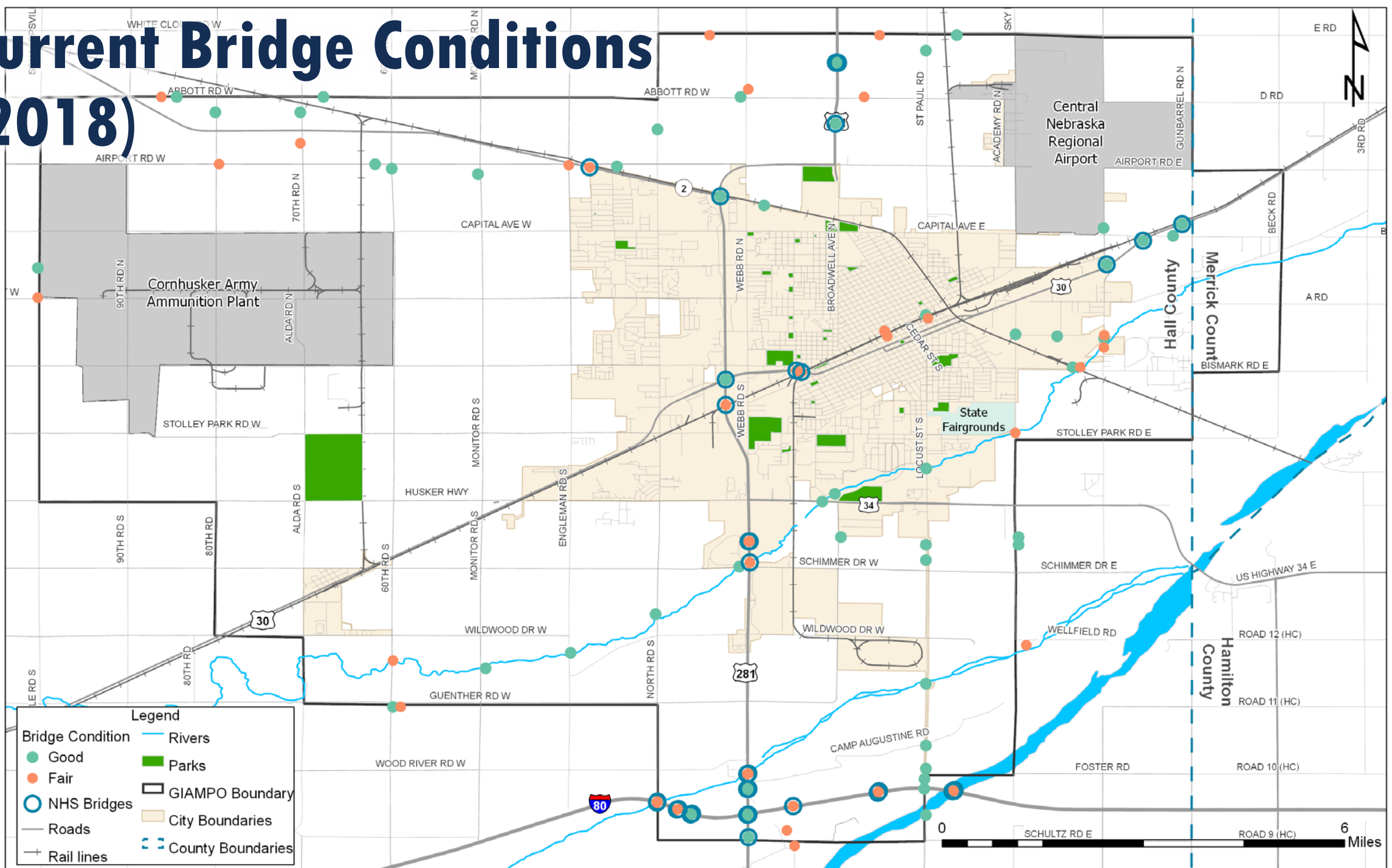
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- Awaiting NDOT Pavement Condition Data
- Bridges are measured for National Highway System (NHS)
- Target is to have 95% of Bridges in Good or Fair condition
  - GIAMPO is at 100%

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



# Current Bridge Conditions (2018)



# Next Steps

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