

A graphic of a black asphalt road with white dashed lines, curving from the bottom left towards the top right of the slide.

Mary Craighead, AICP

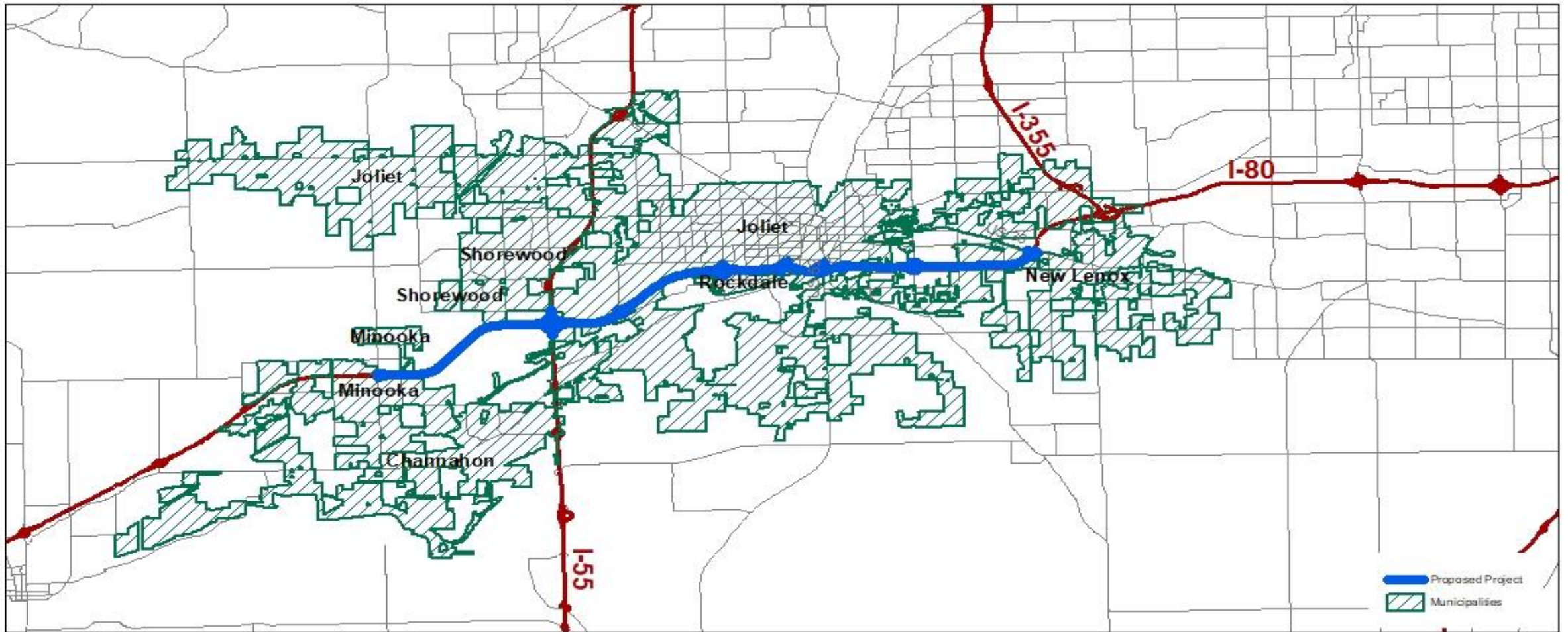
I-80 Corridor Analysis:

**Exemplifying the Need for
Infrastructure Investment**

A Higher Road for a Better Tomorrow

ILLINOIS ECONOMIC POLICY INSTITUTE
ILEPI

Scope of Analysis



Existing Conditions

Roadway Design



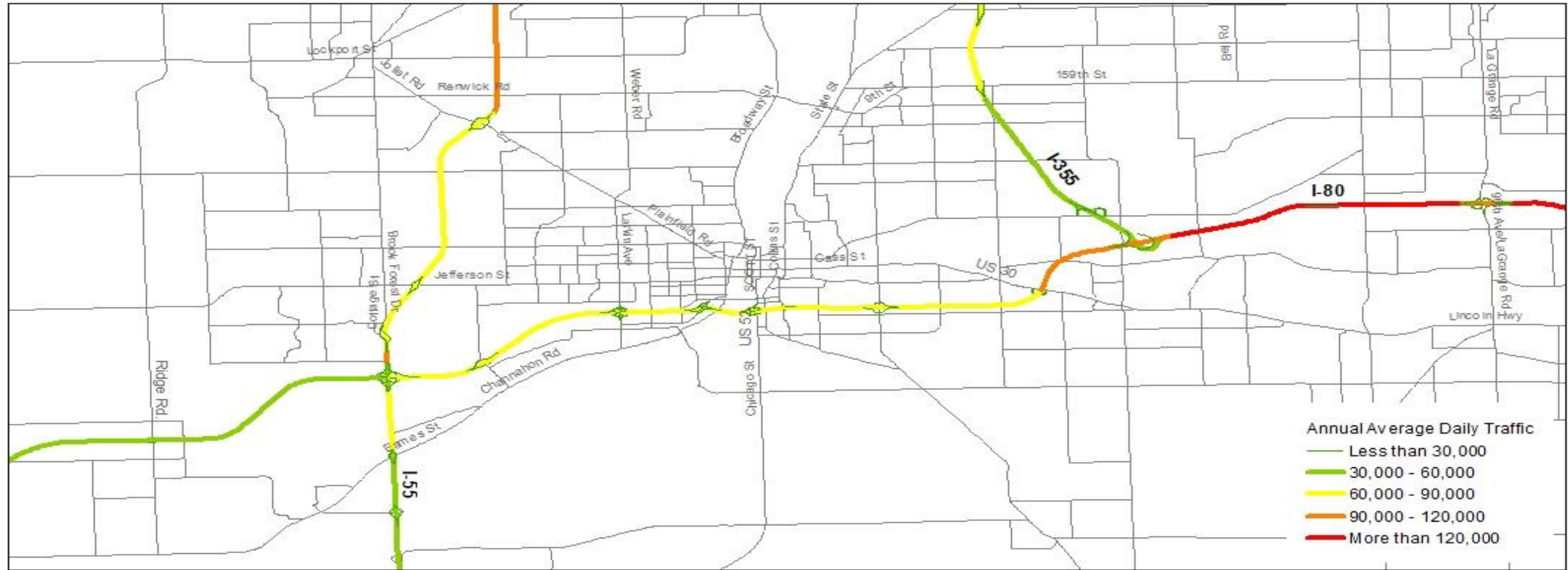
**Largely two lanes with narrow shoulders
across bridges**

Speed Limits



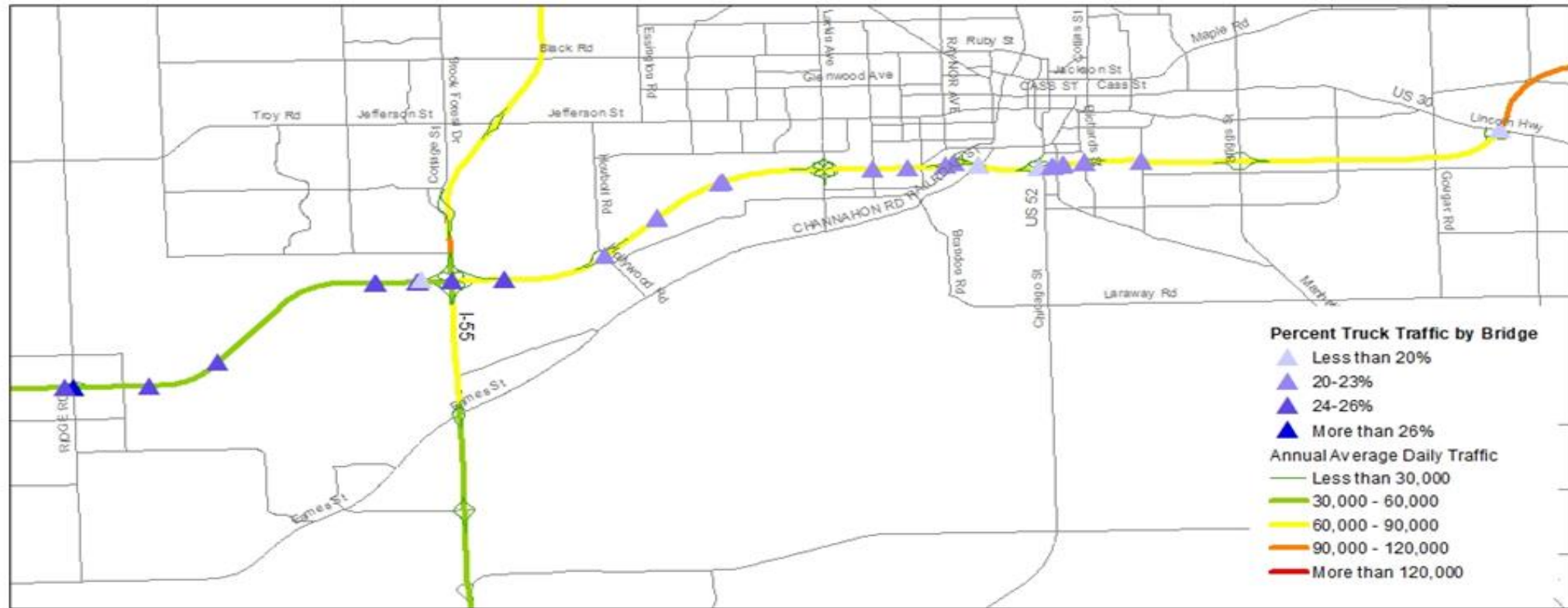
Roadway design requires motorists to travel at lower speeds than surrounding portions of I-80

Traffic Volumes



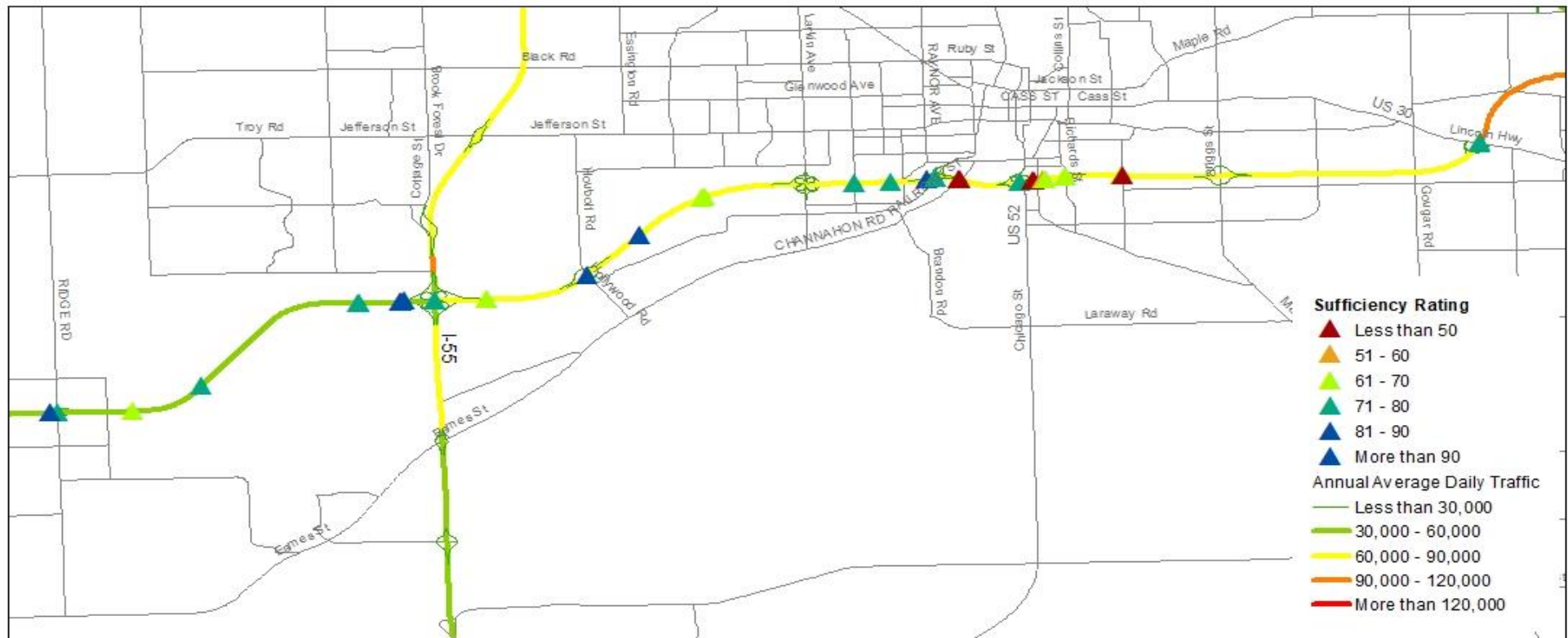
Traffic volumes increase approaching the east

Truck Volumes



Approximately 20 percent of total traffic volumes are comprised of trucks

Bridge Conditions

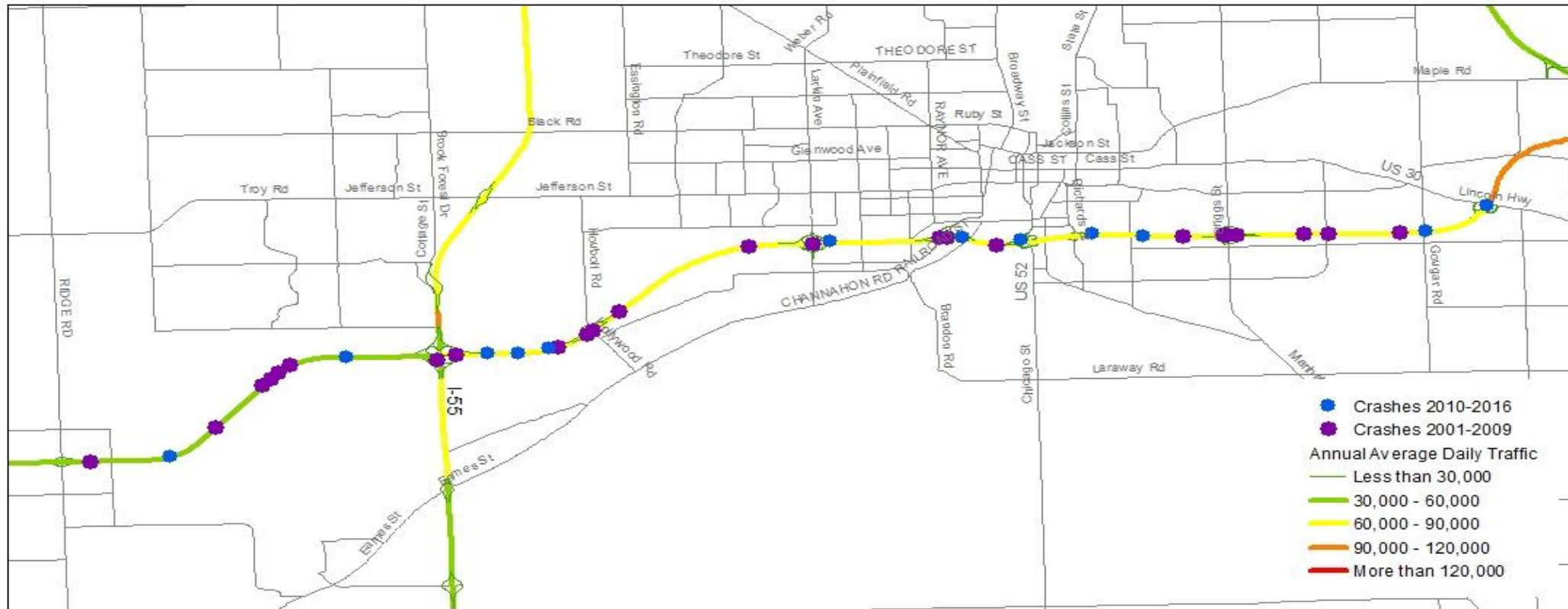


26% of bridges are “structurally deficient”

46% of bridges “functionally obsolete”

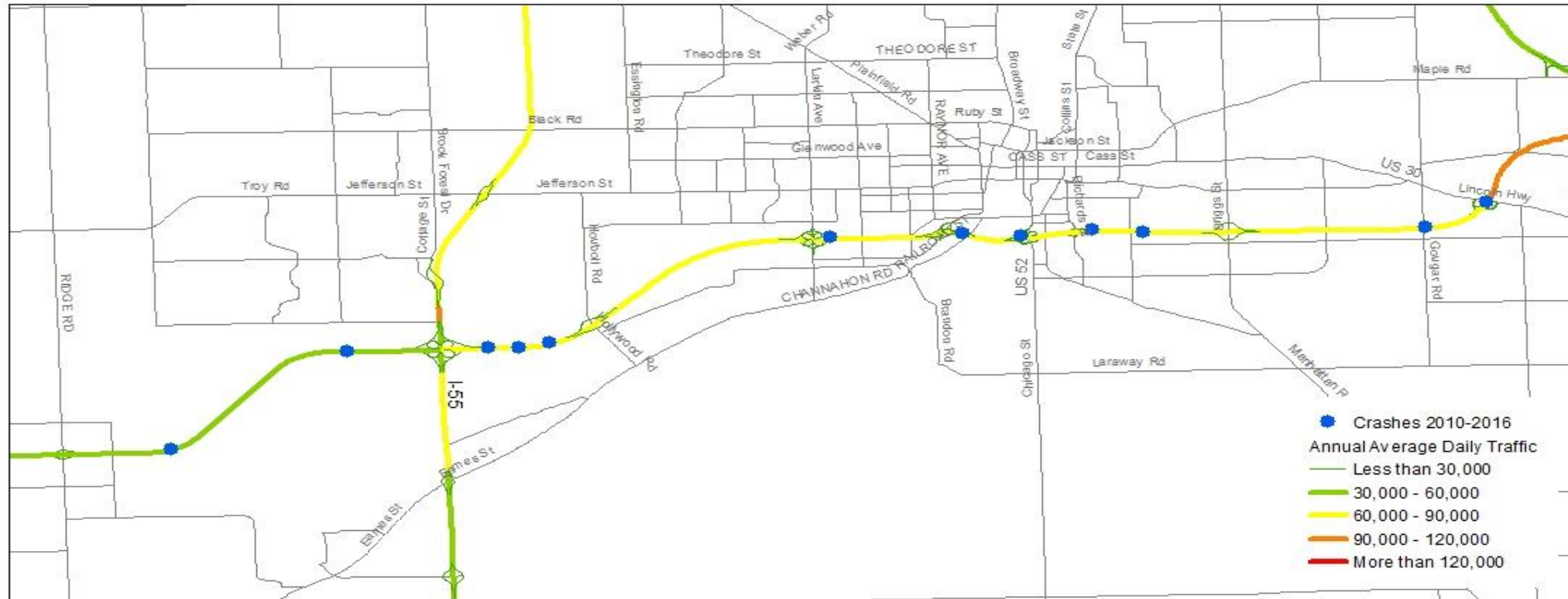
Safety Concerns

Fatal Crashes



37 fatal crashes between 2001 and 2016

Fatal Crashes



12 fatal crashes between 2010 and 2016

Fatal Crash Comparison



Fatal Crash Comparison

Roadway	Distance (miles)	AADT	Fatal Crashes			Fatal Crashes / Mile			Fatal Crash Rate**		
			Total	2010-2016	2001-2009	Total	2010-2016	2001-2009	Total	2010-2016	2001-2009
I-80 in Joliet (Ridge Rd. to I-55)	4.5	54,100	9	2	7	2.0	0.4	1.6	0.63	0.14	0.49
I-80 in Joliet (I-55 to US 52)	6.5	70,800	16	6	10	2.5	0.9	1.5	0.60	0.22	0.37
I-80 in Joliet (US 52 to US 30)	5	74,800	12	4	8	2.4	0.8	1.6	0.55	0.18	0.37
I-80 in Tinley Park (Wolf Rd. to Ridgeland Ave.)	6	130,508	14	7	7	2.3	1.2	1.2	0.31	0.15	0.15
I-57 (183rd St. to Sauk Trail)	5.3	70,275	17	8	9	3.2	1.5	1.7	0.78	0.37	0.41

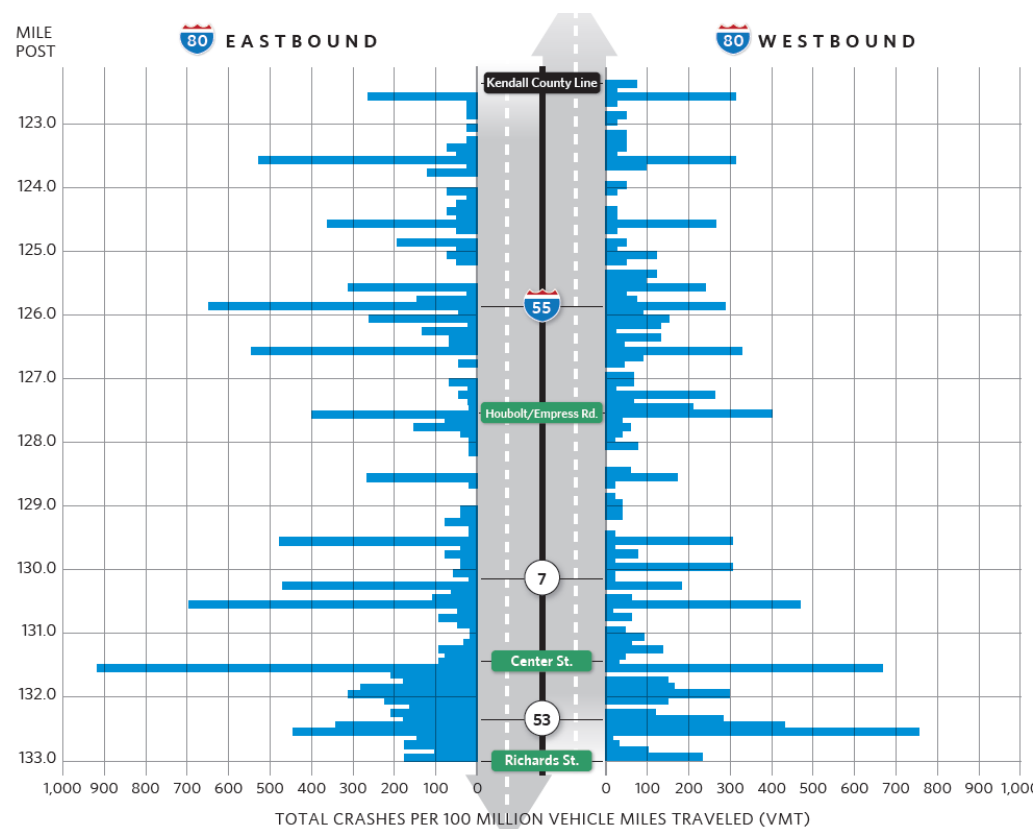
*Average Annual Daily Traffic

**Crash rate expressed as crashes per 100 million vehicle miles of travel

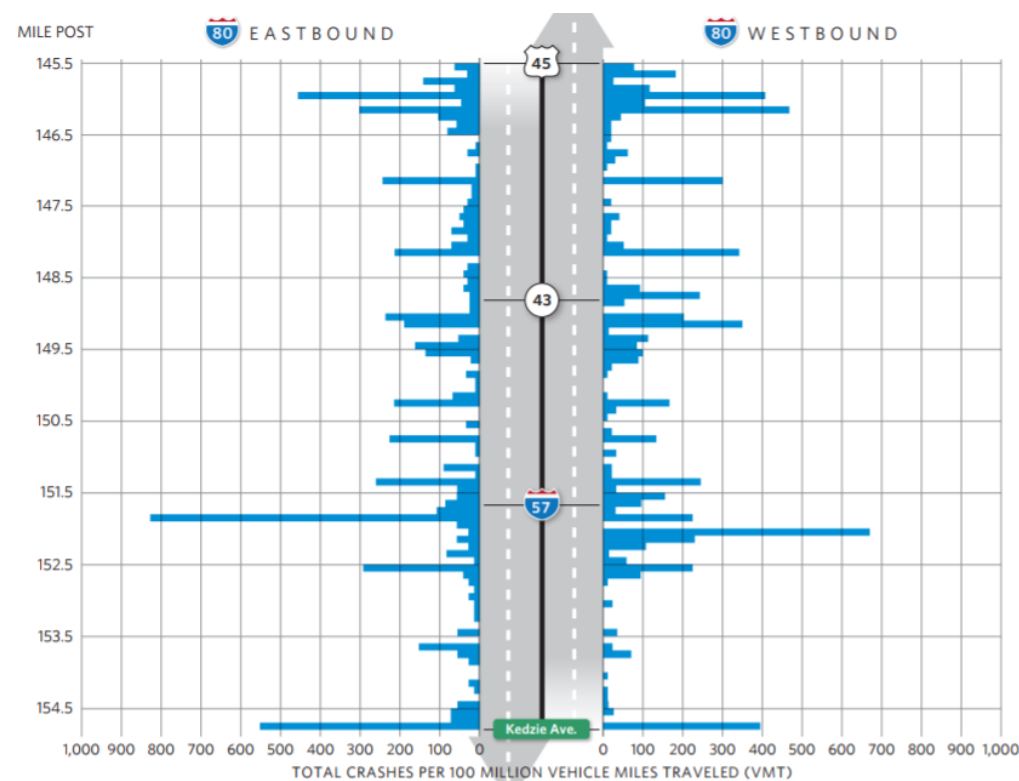
Higher crash rates than I-80 in Tinley Park

All Crashes

Joliet



Tinley Park



Source: Chicago Metropolitan Agency for Planning analysis of Illinois Department of Transportation (IDOT) annual crash data for 2008-12.

A Growing Region

2000-2010 Population Growth

175% **Minooka**

103% **Shorewood**

71% **Channahon**

39% **Joliet**

37% **New Lenox**

35% **Will County**

4% **7-County
Chicago
Region**

Growth 2010-2040

Population

76% Will County

100% Kendall County

29% 7-County
Chicago
Region

Employment

117% Will County

226% Kendall County

31% 7-County
Chicago
Region

Industrial Development, 2001



Industrial Development, 2005



Industrial Development, 2013



Moving Forward

Economic Benefits

FY 18-20 Improvements

836 **Jobs**

\$139 **Value Added**
million **(GDP)**

Future Improvements

12,201 **Jobs**

\$2.05 **Value Added**
billion **(GDP)**

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