Village of Rantoul Transportation Plan

Public Meeting #1



Rita Morocoima-Black, Gabe Lewis

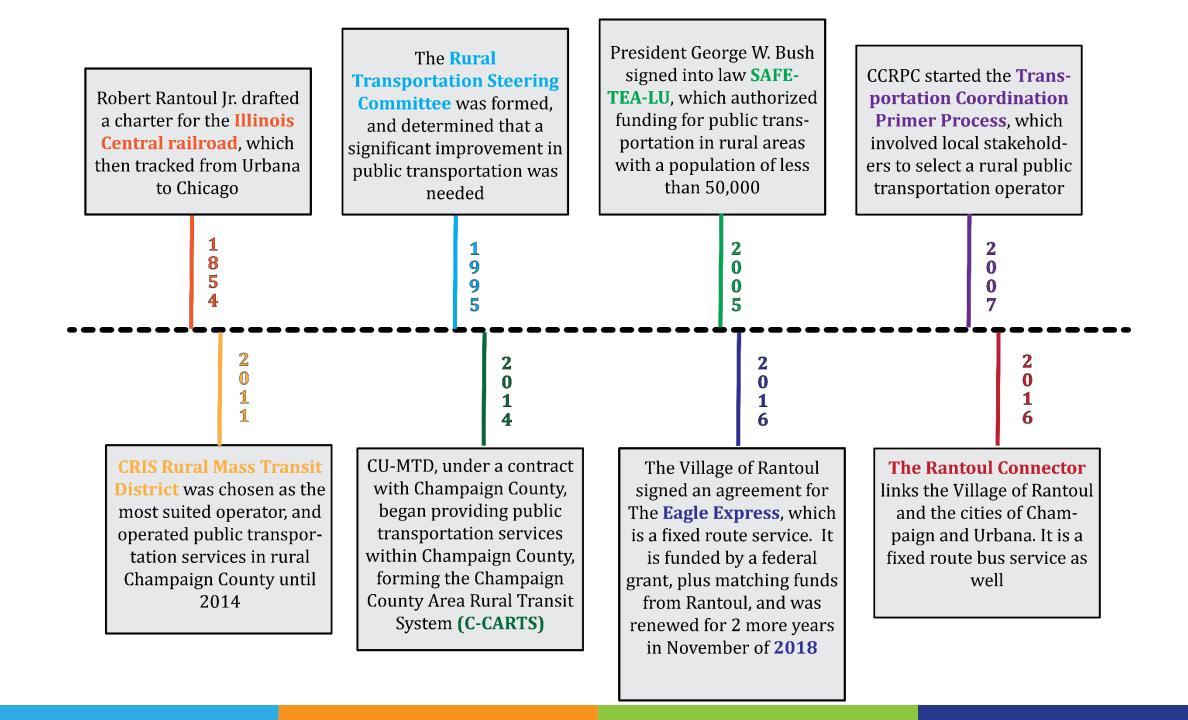
Champaign County Regional Planning Commission

25 November 2019

Agenda

- > Rantoul Transportation History
- **≻**Review of Past Studies
- > Review of Existing Plans and Policies
- > Existing Conditions Analysis Progress
- >Tonight's Activities

Rantoul Transportation History



Review of Past Studies

- Rantoul Initiative Report (2011)
- Community Experience Plan (2014)
- Rantoul Tomorrow Initiative (2017)

Review of Existing Plans and Policies

- Village of Rantoul Comprehensive Plan, 2006
 - Business and Commercial Policies
 - Circulation, Traffic and Transportation Policies
- Village of Rantoul Code of Ordinances
 - Chapter 32, Subdivision Design Standards
 - Chapter 38, Traffic and Vehicles
- Village of Rantoul Zoning Ordinance, 2017

Rantoul Existing Conditions

Socio-Economic

Demographics

- Population Trends
- Age and Sex
- Race and Ethnicity
- Population with a Disability
- Educational Attainment

Economics

- Household Income
- Family Income
- Poverty
- Labor Force Status
- Unemployment Rate
- Employment by Industry

Housing

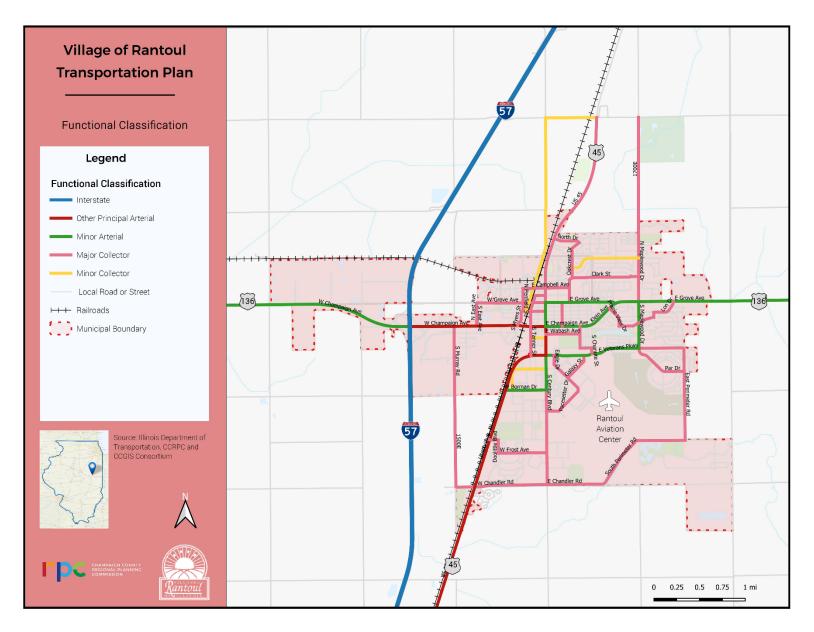
- Housing Tenure
- Occupancy Status
- Housing Units in Structure
- Year Built
- Housing Unit Value
- Gross Rent

Transportation

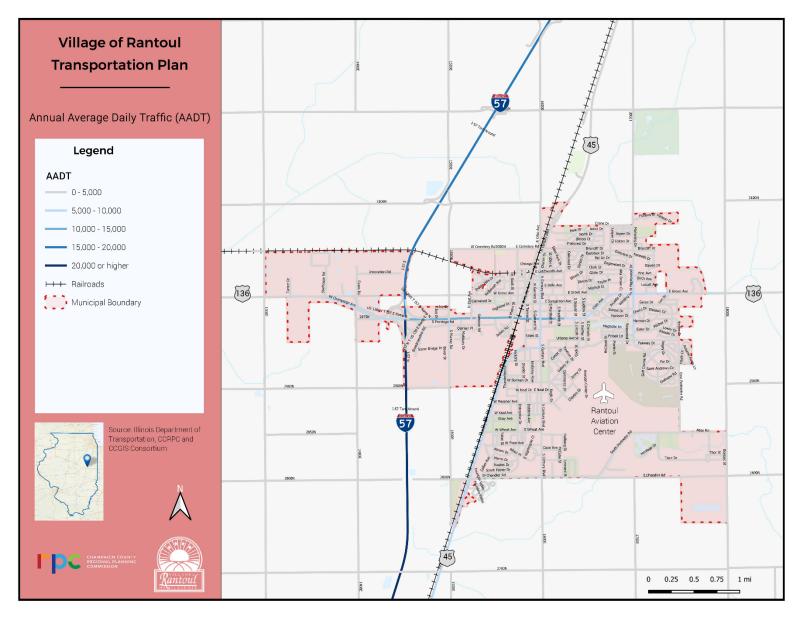
Transportation

- Functional Classification
- Annual Average Daily Traffic (AADT)
- Roadway Jurisdiction
- Speed Limit
- Intersection Control Type
- Turning Movement Counts
- Transit
- Bicycles
- Pedestrians

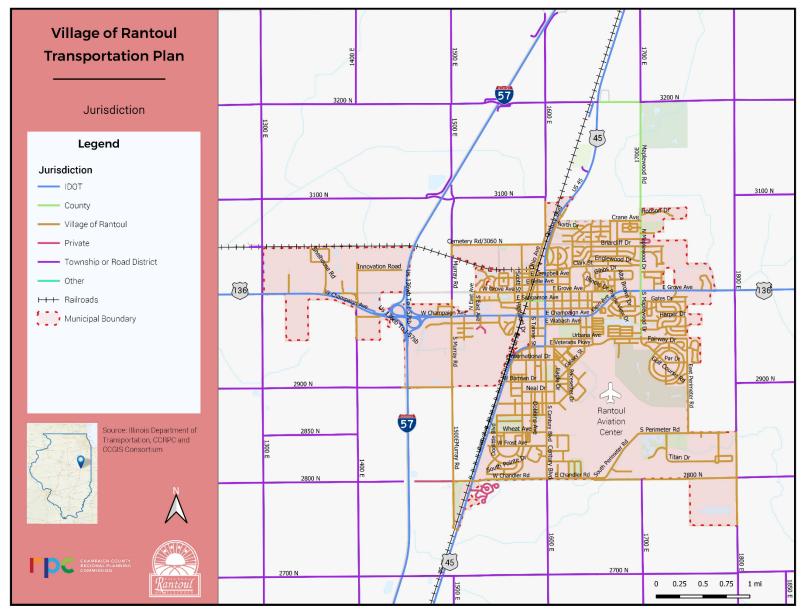
Functional Classification



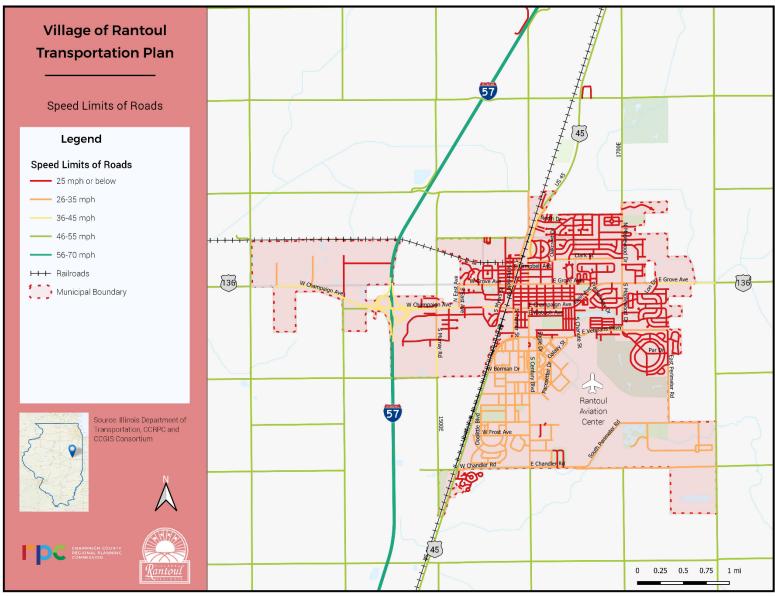
Annual Average Daily Traffic (AADT)



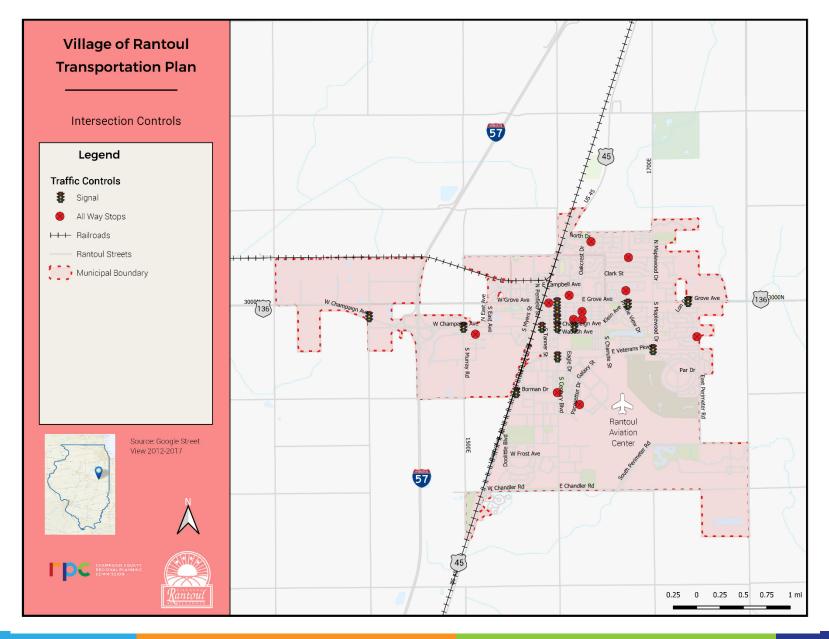
Roadway Jurisdiction



Speed Limit



Intersection Control Type

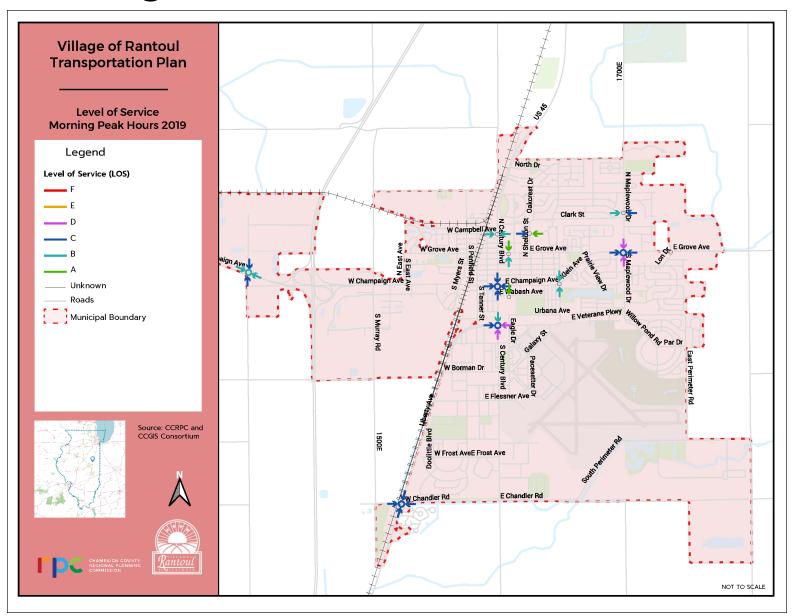




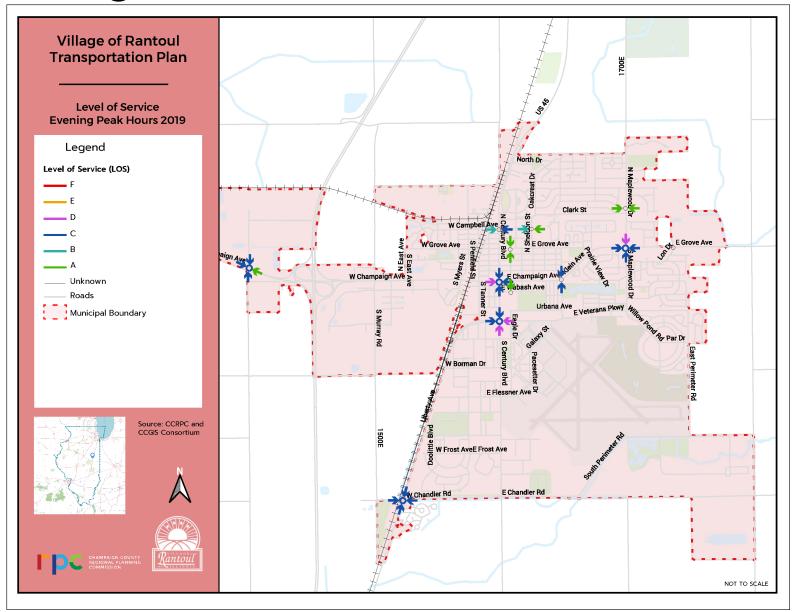
Top Five Busiest Intersections



2019 Morning Peak Hour Level of Service



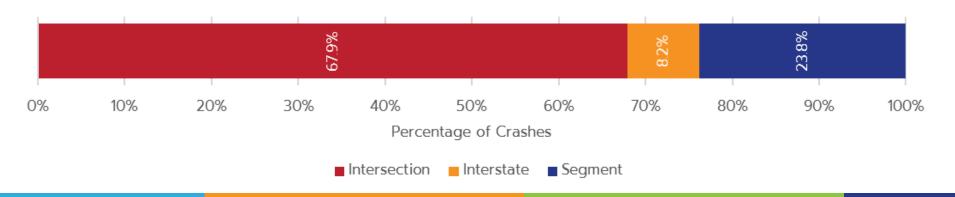
2019 Evening Peak Hour Level of Service



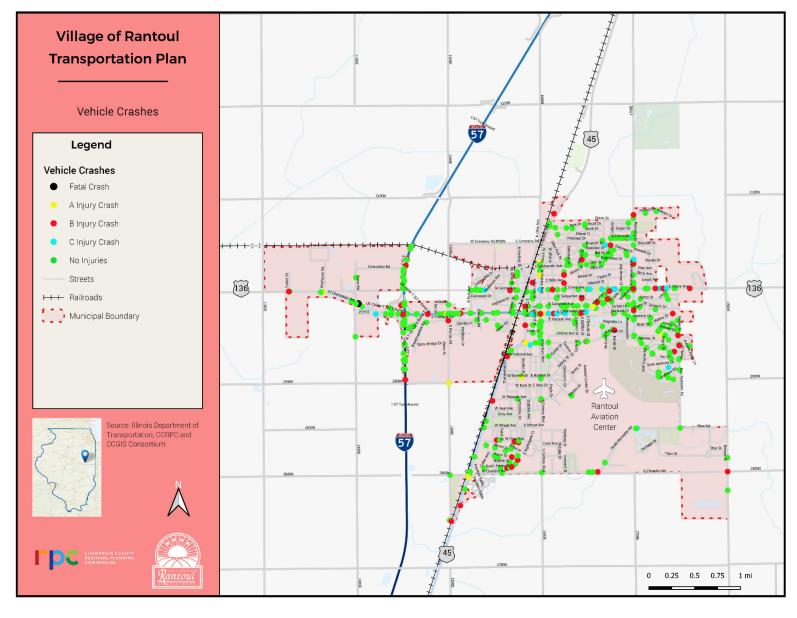
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Automobile Crashes

Crash Severity	2012	2013	2014	2015	2016	Total	%
Fatal	0	0	1	0	0	1	0%
A Injury	6	1	1	3	7	18	3%
B Injury	20	14	22	8	23	87	15%
C Injury	6	5	10	12	12	45	8%
No Injuries	85	86	98	69	94	432	74 %
Total	117	106	132	92	136	583	100%

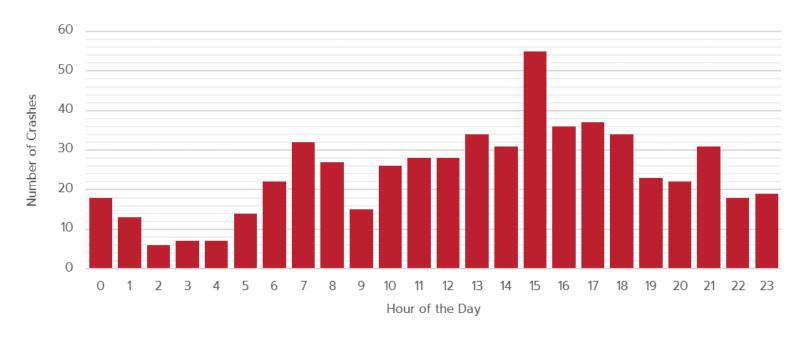


Crash Type by Severity



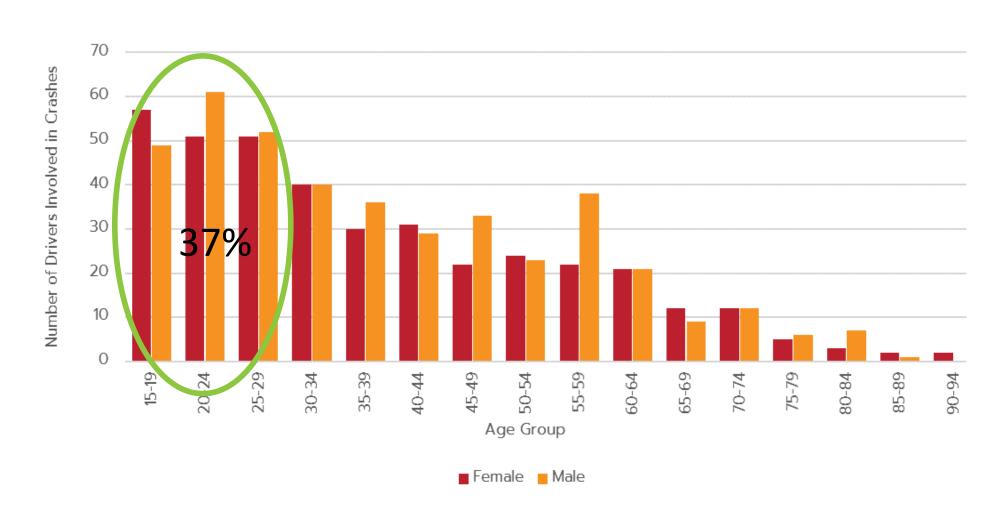


Number of Crashes by Hour of the Day

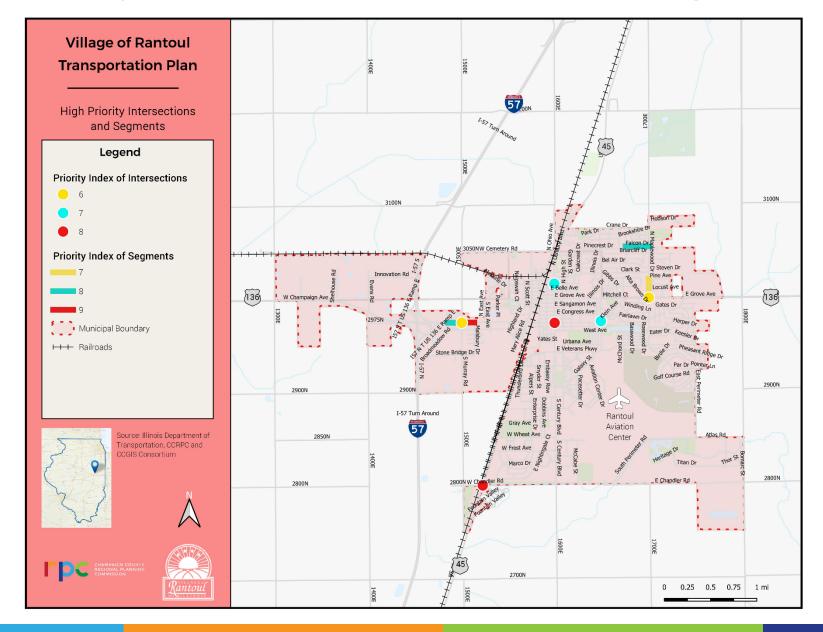


- The month with the most crashes was April with 67
- The day of the week with the most crashes was Saturday with 94 crashes

Drivers Involved in Crashes by Age & Sex



High Priority Intersections and Segments



High Priority Intersections and Segments

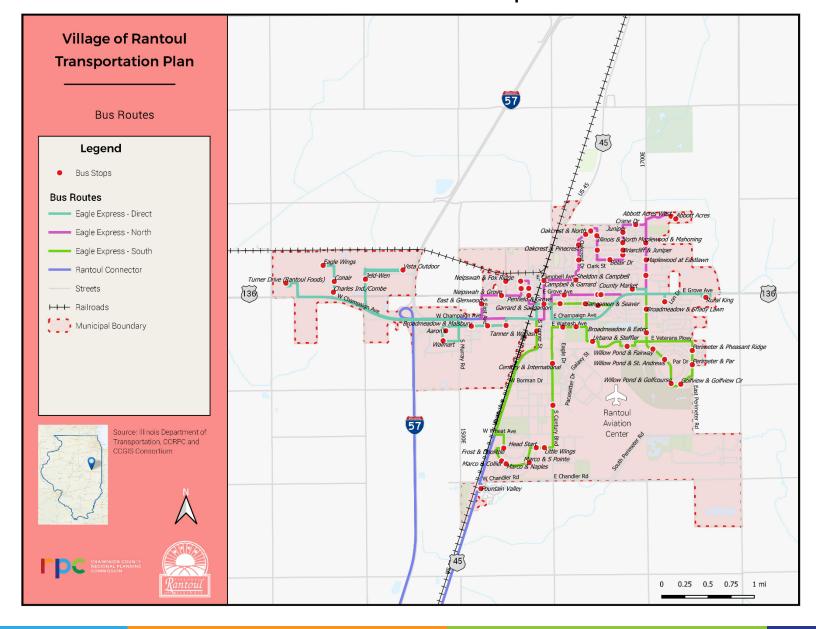
Intersections

North-South Roadway	East-West Roadway	No of Legs	Control Type	No of Crash	A Injury Crash	B Injury Crash	C Injury Crash	Fatal Crash	PDO Crash	Average Crash	Average EPDO	Crash Index	EPDO Index	Priority Index
Liberty Dr	Chandler Rd	4	Signal	10	1	2	2	0	5	2	2.8	4	4	8
Century Blvd	Champaign Ave	4	Signal	20	2	3	2	0	13	4	5	4	4	8
Century Blvd	Campbell Ave	4	2WSC (E-W)	7	1	3	0	0	3	1.4	2.6	3	4	7
Chanute St	Klein Ave	4	2WSC (N-S)	7	1	0	2	0	4	1.4	2.4	3	4	7
Murray Rd	Champaign Ave	4	Signal	15	0	4	1	0	10	3	1	4	2	6
Maplewood Dr	Grove Ave	4	Signal	21	0	4	3	0	14	4.2	1.4	4	2	6

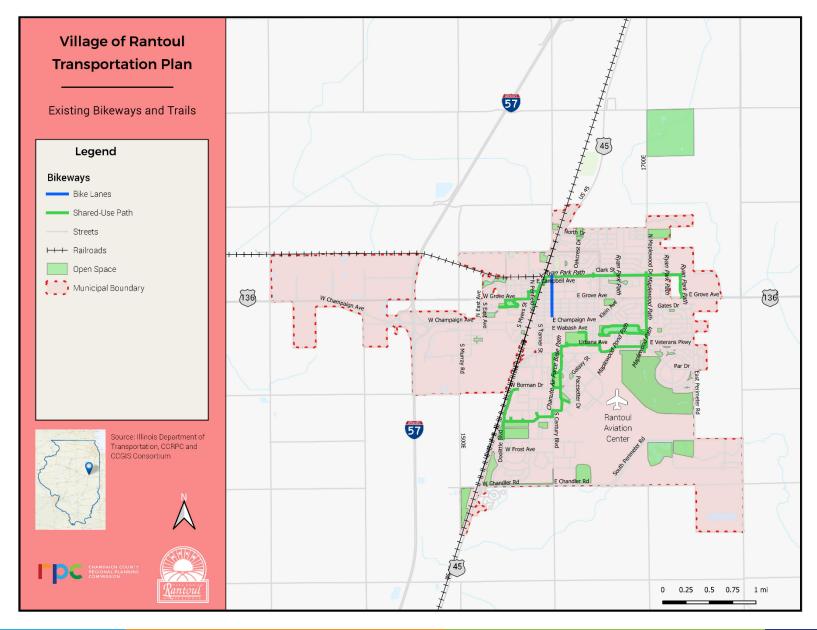
Segments

Road Name	No of Crashes	A Injury Crashes	B Injury Crashes	C Injury Crashes	PDO Crashes	Length (Mile)	Average Crash	Average EPDO	Average Crash Per Mile	Crash Index	EPDO Index	Crash per Mile Index	Priority Index
Champaign Ave	6	0	0	1	5	0.13	1.2	0.2	8.9	4	1	4	9
Champaign Ave	3	1	0	0	2	0.15	0.6	2	4.1	2	4	2	8
Falcon Dr	8	0	1	0	7	0.25	1.6	0.2	6.4	4	1	3	8
Maplewood Dr	6	0	0	0	6	0.20	1.2	0	6.0	4	0	3	7

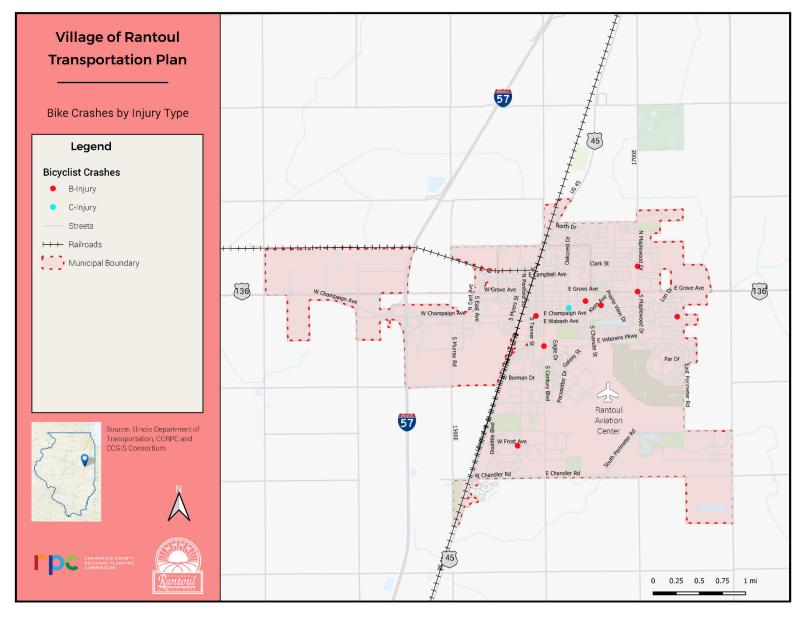
Bus Routes and Bus Stops



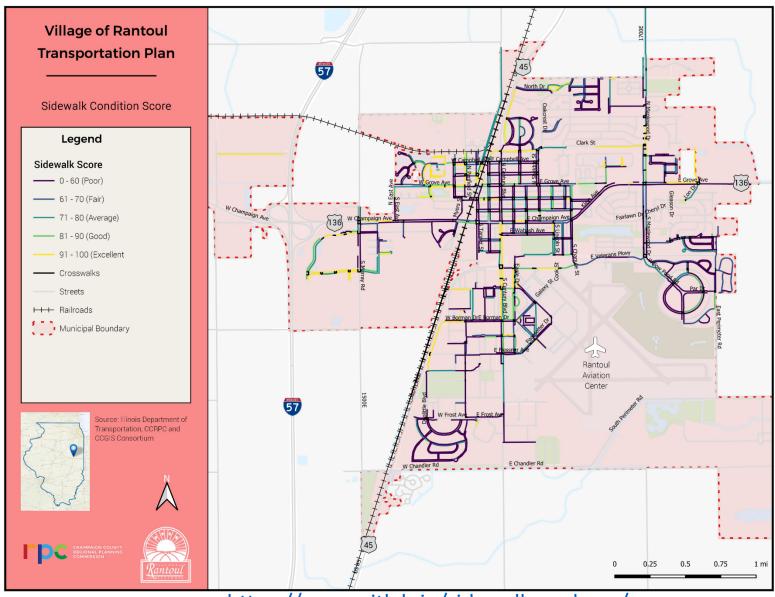
Bicycle Facilities



Bicycle Crashes

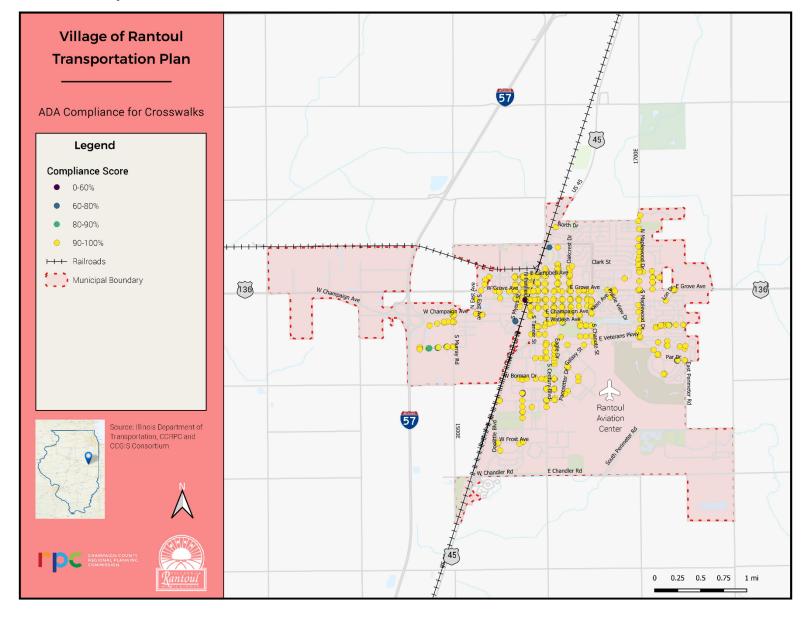


Sidewalk Score Segments

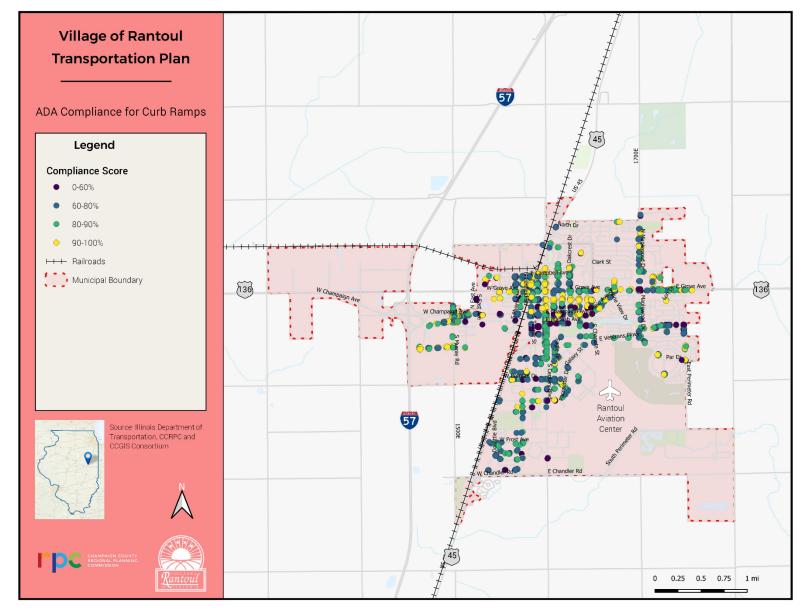


https://ccrpc.gitlab.io/sidewalk-explorer/

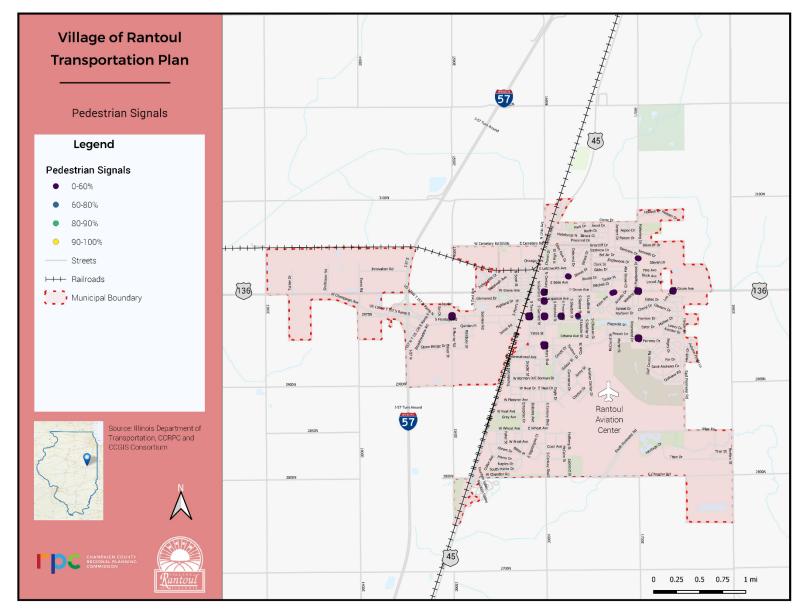
ADA Compliance: Crosswalks



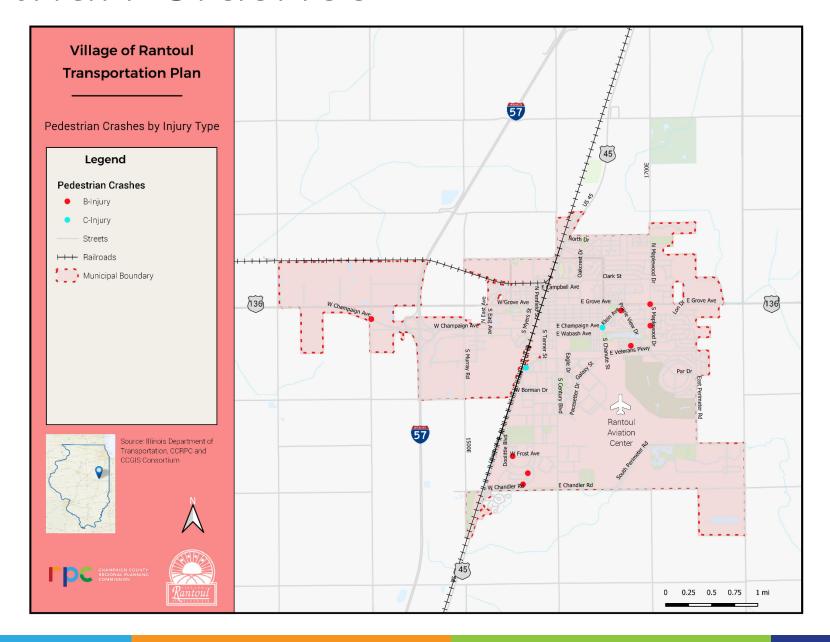
ADA Compliance: Curb Ramps



ADA Compliance: Pedestrian Signals



Pedestrian Crashes



Strengths

- Nearly half (46.7%) of population younger than 30 years
- Diverse multicultural population
- Presence of several industrial facilities and land availability
- Presence of University of Illinois ATREL facilities
- Presence of abundant land around former Chanute Airbase
- Easy access to Interstate 57
- Easy access to rail (AMTRAK and freight)
- Trail system in development
- Grid street system in village center → better connectivity

Weaknesses

- Population has been decreasing since 1970
- 14% of residents have a disability
- High poverty rate (19.8% of village residents)
- High number (48%) of rented houses
- High housing unit (16.5%) vacancy rate
- Old housing stock (only 3.2% built since 2000)
- Location of aquatic center, library, skate park and fitness facility isolated from major residential areas
- Significant distance and poor connectivity to major employment centers
- Poor access management on major roadways
- Safety problems (mainly around downtown and along Champaign Avenue) (speeding and lack of access management on major roadways)
- Lack of bike infrastructure near big generators such as County Market, Walmart, and some Rantoul schools
- Limited (schedule) public transportation
- Lack of sidewalks in some areas and poor sidewalk network condition

Opportunities

- Land available for future developments
- Renting affordable 60% of housing units rent for between \$350 and \$799
- Excessive roadway capacity
- Possibility to implement multimodal transportation network connecting to major public facilities and employment centers
- Expansion of Eagle Express and C-CARTS schedule
- Possibility to increase local MFT for future transportation improvements

Threats

- Local, State and Federal funding for transportation
- Lack of employment diversification (Manufacturing accounts for 21.3% workers)

Activities

Vision Board

 Use post-it notes to provide your ideas for the future vision of transportation in Rantoul

Comment Card

 Complete your comment card to provide more input on existing conditions and the future vision of transportation in Rantoul

Large Maps

Add your comments where you want to see transportation improvements in Rantoul

Survey

 Complete transportation survey with Ana (U of I urban planning student)

Safe Routes to School Plans

- RPC is developing Safe Routes to School (SRTS) Plans for Rantoul's four elementary schools:
 - Broadmeadow
 - Eastlawn
 - Northview
 - Pleasant Acres
- Public meetings will be held at each school between Monday, January 13 – Thursday, January 16, 2020

Thank You!

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