

MEMO

To: Cary Minnis, Southern Illinois Metropolitan Planning Organization
From: Dustin Riechmann, Lochmueller Group
Date: 6/27/2014
Subject: Summary of Pedestrian and Bicycle Facilities Inventory

Lochmueller Group has completed an inventory of the existing sidewalks and bicycle facilities within the Southern Illinois Metropolitan Planning Organization's planning area for all roadways with a functional classification of *Major Collector* and above. This inventory provides a foundation for the proactive planning of improving pedestrian and bicycle facilities and providing a well-connected network for non-motorized transportation. This effort can easily be built upon by future surveys that cover the local roadway network.

The study team utilized GIS software to map the roadway network, and then offset the roadway centerline to graphically depict the sidewalk network. A field lap top was set up and the study team drove every mile of every roadway included in the study, covering approximately 280 miles. The sidewalks and bicycle facilities were measured and rated, and then the data in the maps was updated electronically in real time.

Four metrics were used to describe the sidewalks on each side of the roadway, as described here:

- **Is there a sidewalk:** Yes or No
 - The first metric noted whether or not a sidewalk existed on either side of the road for the given roadway segment.
- **Sidewalk Condition:** Good, Fair, or Poor
 - Good – a Good rating indicates that the sidewalk is traversable by both abled and disabled people, it has a sidewalk width of at least 4 feet, there is minimal cracking in the concrete, and ramps are provided at intersections. This does not necessarily indicate the sidewalk is compliant with the Americans with Disabilities Act.
 - Fair – a Fair rating indicates the sidewalk is easily traversable by abled people and has only moderate cracking in the concrete. Fair sidewalks often had short sections of obstacles such as overgrown shrubs, stairs, and curbs without ramps throughout each segment.
 - Poor – a Poor rating indicates that the sidewalk is either non-traversable or not easily traversable. These segments often consisted of long sections of vegetation growing through the sidewalk, large cracks in the concrete, and numerous missing pieces of concrete. A Poor rating can be comparable to no sidewalk at all.



Good



Fair



Poor

- **Sidewalk Width*** – a measurement of the traversable width of the sidewalk. Obstacles such as sign posts and street lights reduced the sidewalk if they would be expected to consistently block the flow of pedestrian traffic.
- **Distance from Roadway*** – The distance from the edge of the curb (or traveled way when no curb existed) to the inside edge of the sidewalk.

*Measurements for sidewalk width and distance from roadway are for informative purposes only and do not reflect exact measurements for the entire section or property lines.

Similar metrics were used for the bicycle facilities, with the addition of the facility type: Off Street, On Street (Signs Only), On Street (Striped and Signed).



Off Street



On Street (Striped and Signed)



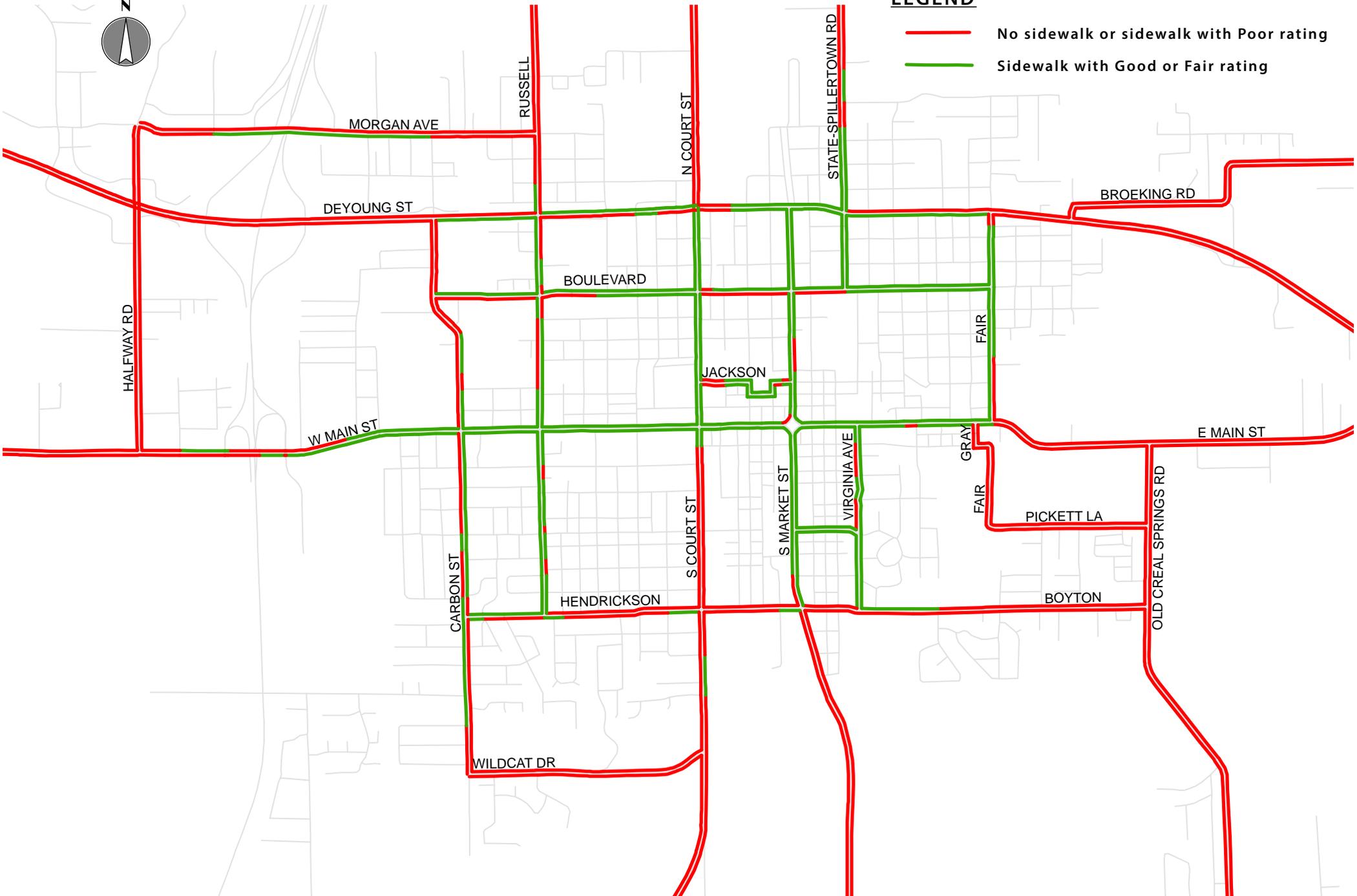
On Street (Signs Only)

The results of the inventory can be seen in the attached exhibits, and more information is available in the associated electronic GIS file. The study team expects this information to be valuable in evaluating the existing conditions of sidewalks and bicycle facilities and developing plans for future improvements.

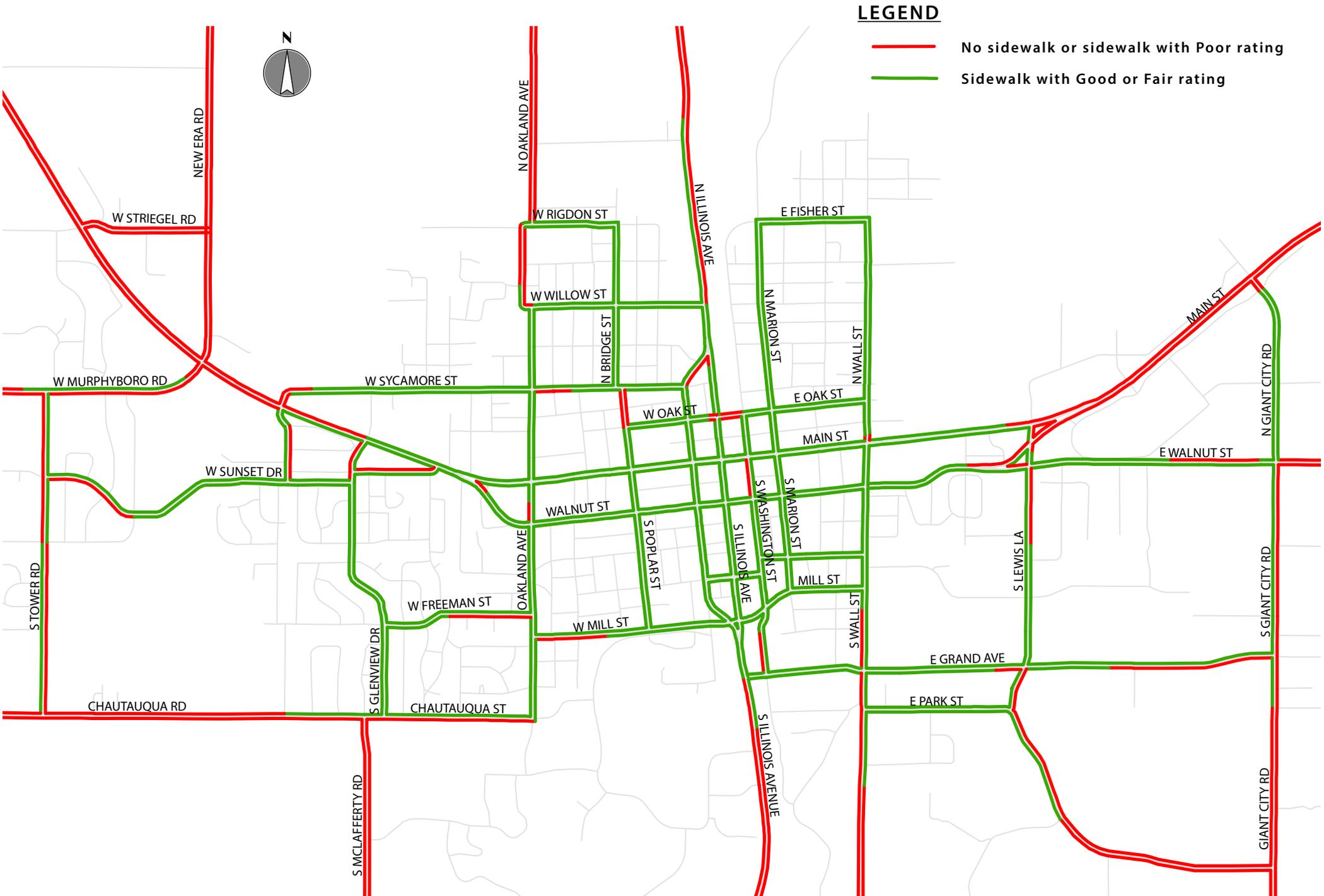


LEGEND

-  No sidewalk or sidewalk with Poor rating
-  Sidewalk with Good or Fair rating



MARION Sidewalk Inventory (on Major Collectors and above)



CARBONDALE Sidewalk Inventory (on Major Collectors and above)

LEGEND

-  No sidewalk or sidewalk with Poor rating
-  Sidewalk with Good or Fair rating

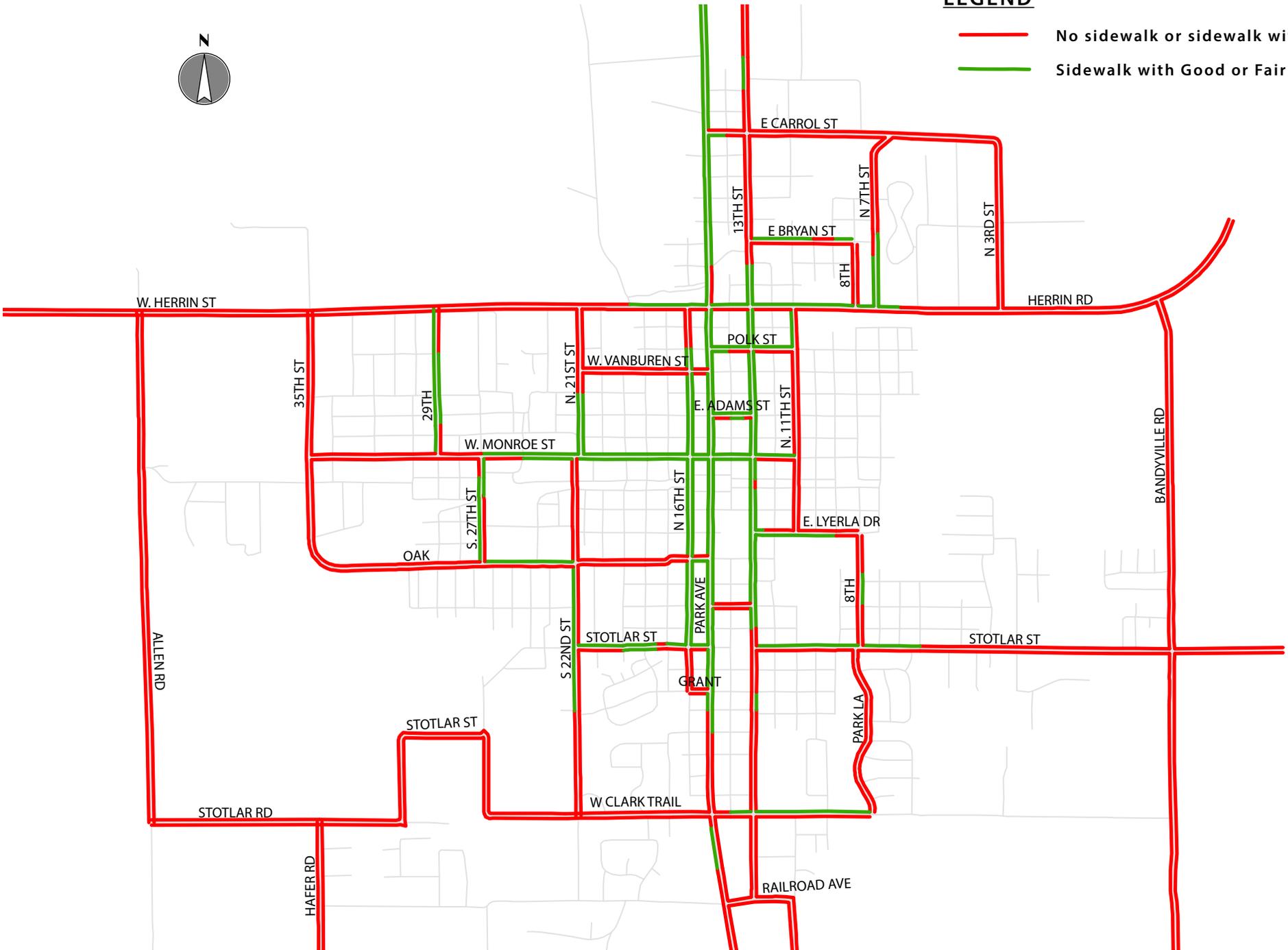


CARTERVILLE Sidewalk Inventory (on Major Collectors and above)



LEGEND

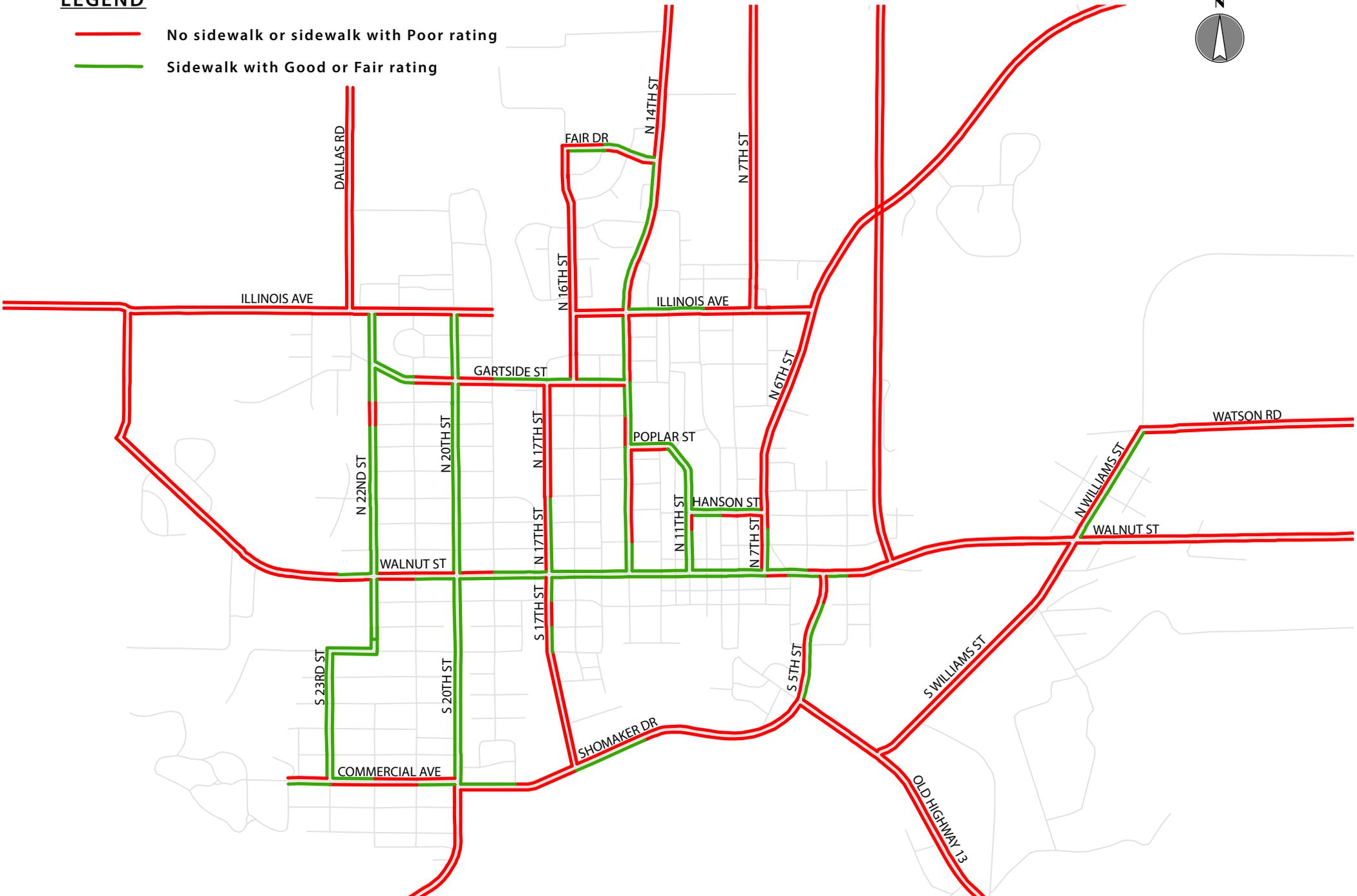
-  No sidewalk or sidewalk with Poor rating
-  Sidewalk with Good or Fair rating



HERRIN Sidewalk Inventory (on Major Collectors and above)

LEGEND

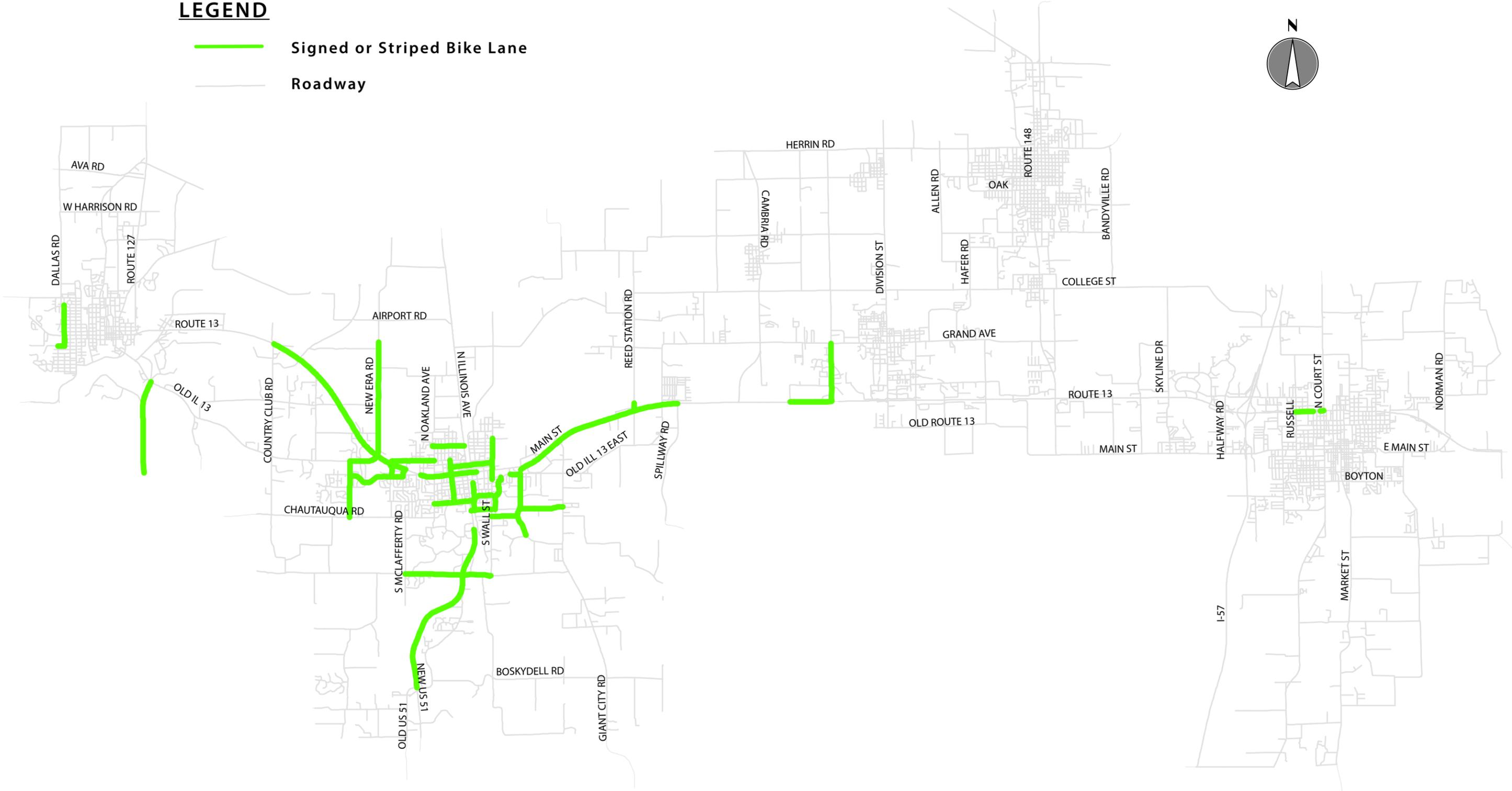
-  No sidewalk or sidewalk with Poor rating
-  Sidewalk with Good or Fair rating



MURPHYSBORO Sidewalk Inventory (on Major Collectors and above)

LEGEND

-  Signed or Striped Bike Lane
-  Roadway



SIMPO Bike Lane Inventory (on Major Collectors and above)