



# Where the Sidewalk Ends

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August 1, 2021

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## Why are sidewalks a big deal?

In the past year, Johnson City has spent millions of dollars on improving its parks and flood control, adding shops to West Walnut Street, and is now paying remote workers 5,000 dollars to move here.

I'm very happy that Johnson City is improving its municipal services and renovating West Walnut Street, and I think it's wonderful that they are working towards becoming a Child Friendly City. But wouldn't it be even better if the walking conditions improved, especially with neighborhoods and parks nearby?

Actually, I can think of four different types of people that could benefit from making walking conditions better:

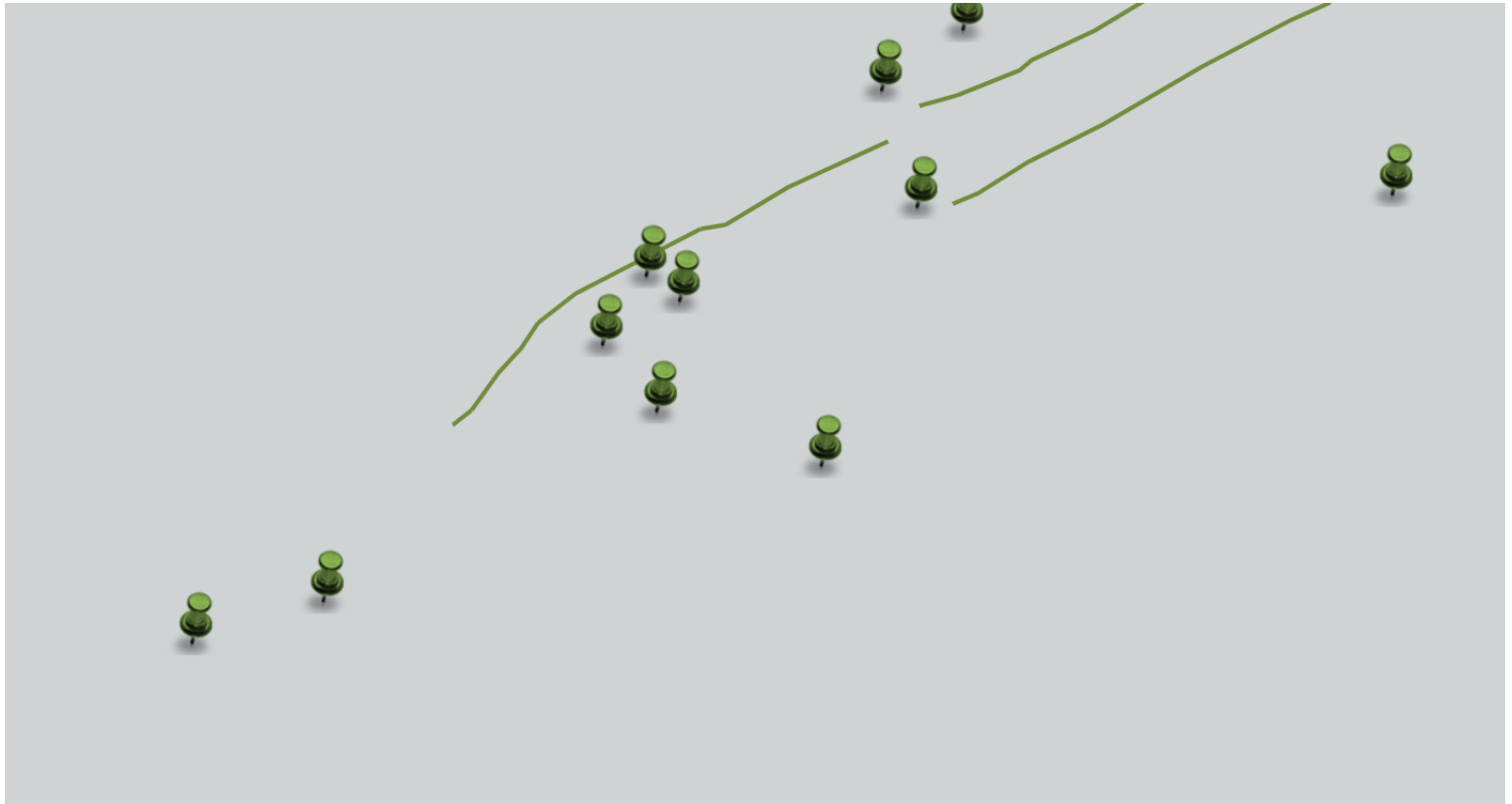
- people in wheelchairs
- old people
- parents with children in strollers
- college students without cars
- little kids

Ramps will help little kids, old people, parents with strollers, and people in wheel chairs because they can't step up onto curbs. Fixing crosswalks would help little kids because they're short, and drivers might not be able to see them if they walk into the street. Continuous sidewalks would help everyone, because they make walking in general easier and you don't have to walk over gravel or through grass.

Also, if a city is friendly for children, it's friendly for everyone! If children and seniors can walk around the city, then everyone will be able to.

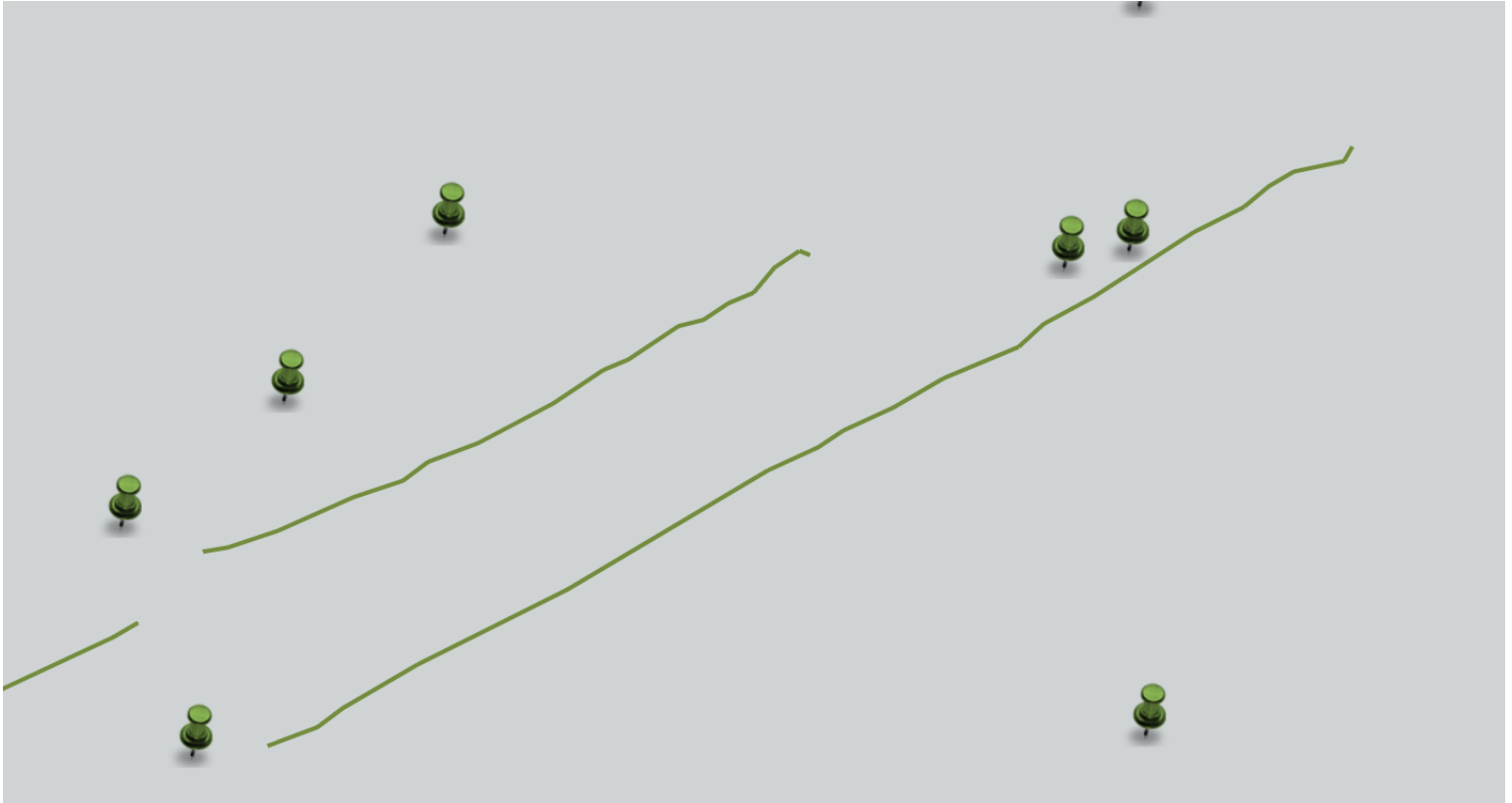
## What is there to walk to?

Well, there are actually quite a few places to go to within walking distance of the apartment buildings and neighborhoods. Let's get out the map!

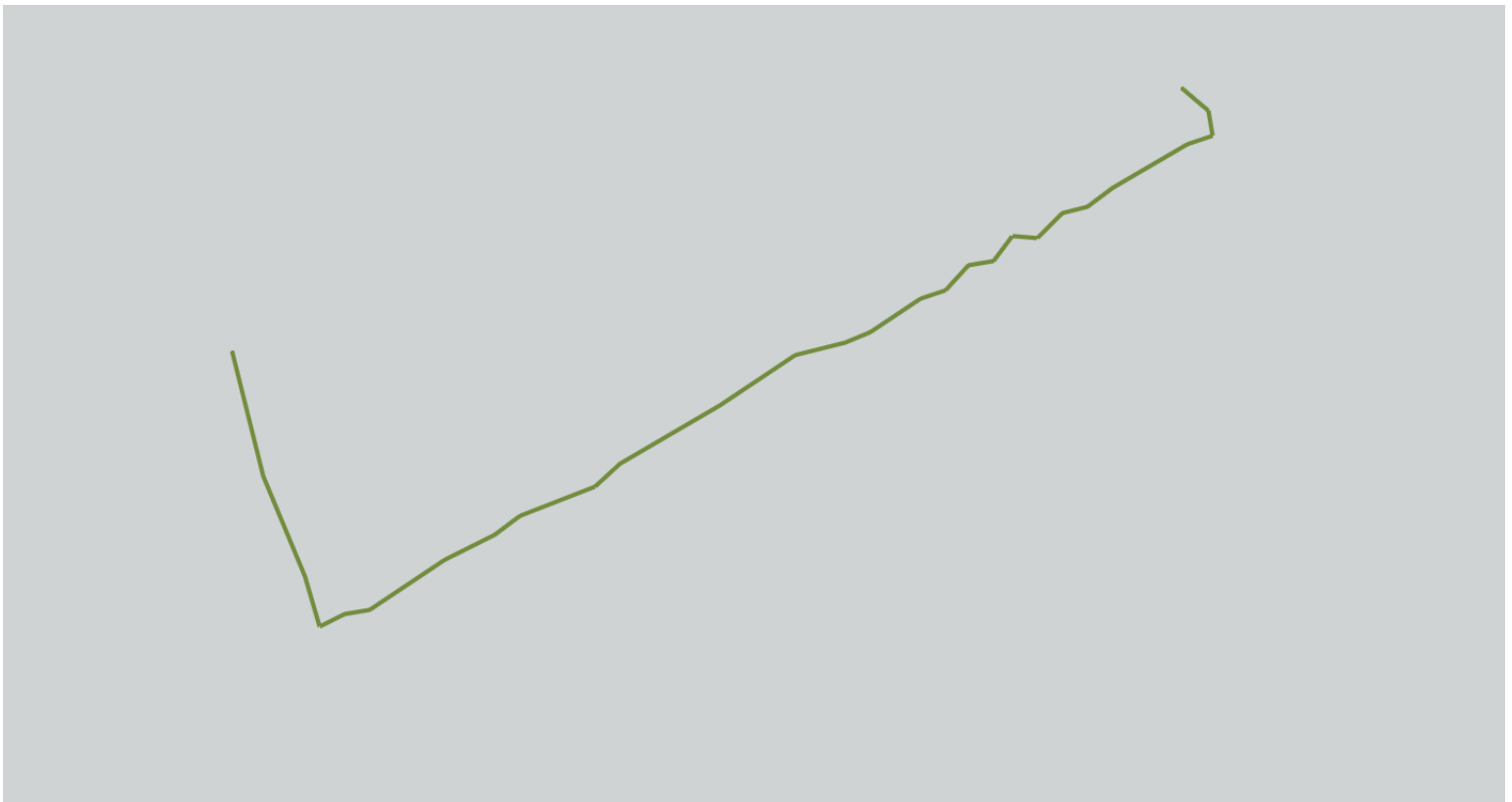


There's a lot of different places to visit here. Look at some details on them by clicking on the pushpins and paths.

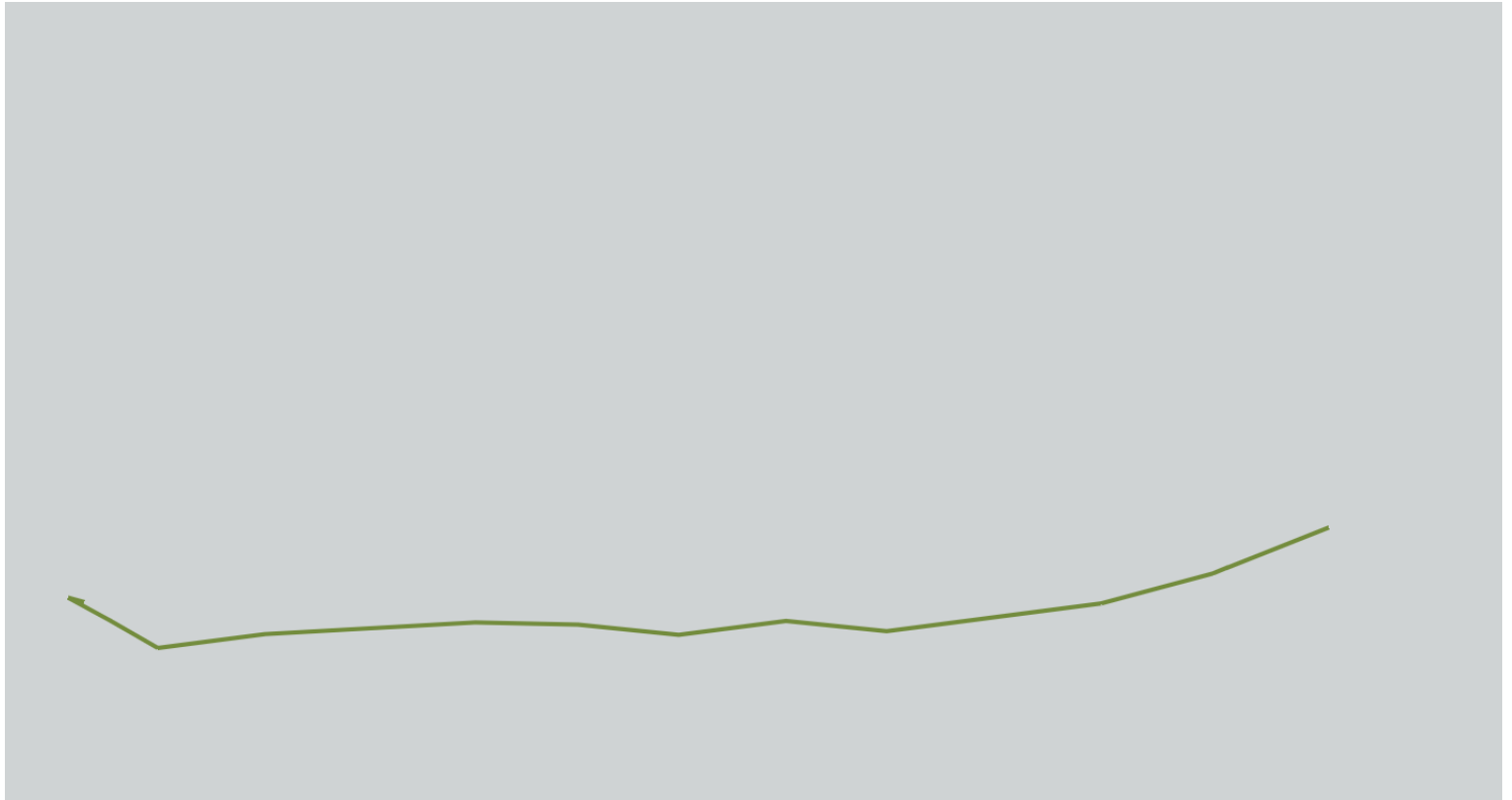




The only problem is all of the unsafe sidewalks and intersections between them.



For example, if you were to walk from Monarch College Living to Crumb Bakeshop, you would come across 7 places where it's hard to walk.



Speaking of Crumb Bakeshop, check out of of the problems with the sidewalk here! If someone wanted to get a baked good and walk to the park, they would walk over 6 hazards - just to cross the street!



Feel free to explore now and check out all of the points. Click on points to learn more about them and double click to zoom in.



With all that activity near West Walnut Street, it would be so much better if the sidewalks around them were improved and the intersections were fixed, so that it would be easier and more fun to walk around the city.

## More Information

To create this data, I walked around town and took photos of all of the hazards I found. Then, I took the location data from the photos, resized them, and added all the data (latitude, longitude, tags, comment, image url) and added them to a CSV.

Most of this work was automated using Python, but tags and comments were added by hand. I knew nothing about how to get location data from photos before I did this project, so I basically looked up and stole other people's code. 😊 Please see the credits for some code that helps with writing to a CSV and taking location data from photos. Please note that you have to take the location data of a photo before resizing it.

## Credits

<b>Sylvain Durand</b>	<a href="https://sylvaindurand.org/gps-data-from-photos-with-python/">https://sylvaindurand.org/gps-data-from-photos-with-python/</a>
<b>Dayo Ntwari</b>	<a href="https://opensource.com/life/15/2/resize-images-python">https://opensource.com/life/15/2/resize-images-python</a>

**Johnson City TN Website -  
Child Friendly Cities  
Initiative**

[https://www.johnsoncitytn.org/government/communications\\_\\_marketing/child\\_friendly\\_cities\\_initiative/index.php](https://www.johnsoncitytn.org/government/communications__marketing/child_friendly_cities_initiative/index.php)

**Johnson City Press -  
Crumb Bakeshop Opens  
on West Walnut**

[https://www.johnsoncitypress.com/news/crumb-bakeshop-opens-on-west-walnut-street/article\\_191a62ee-b7ea-11eb-a9b8-8376e5ea7abb.html](https://www.johnsoncitypress.com/news/crumb-bakeshop-opens-on-west-walnut-street/article_191a62ee-b7ea-11eb-a9b8-8376e5ea7abb.html)

**Johnson City Press -  
Developer Making Old New  
Again in Downtown  
Johnson City**

[https://www.johnsoncitypress.com/news/business/developer-making-old-new-again-in-downtown-johnson-city/article\\_93affbbe-c5f4-5cce-bbe7-ab219ead19e2.html](https://www.johnsoncitypress.com/news/business/developer-making-old-new-again-in-downtown-johnson-city/article_93affbbe-c5f4-5cce-bbe7-ab219ead19e2.html)