

THE SIDEWALKS (and Crosswalks) OF BRONX CB9

Accessibility Hackathon - 21 SEP 2019

THE HACKERS!

| | | | | |
|---------|-----------|-----------|--------|----------|
| Cheri | Warren | Isabel | Marcel | David |
| Martha | Stephanie | Maha | Gina | Yingtong |
| Lukas | Kunru | Allison | Alex | Daniel |
| Yue | Ahmadreza | Michael | Tucker | Eric |
| Eunice | Connor | Katherine | Angelo | |
| Angelia | Sarah | Katherine | Sylwia | |

What did we do?

- Learned how to use OpenStreetMap
- Each person picked part of the task map, a section of CB9
- Individually, we used the aerial view to identify sidewalks and crosswalks (marked and unmarked)
- Used the line tool to mark sidewalks, crosswalks, and curb cuts (where applicable)
- After today, our group leaders will validate the work and make missed connections
- Discussed findings and limitations of OpenStreetMap, the task management system, and this challenge

Edit Feature

 Residential Road

▼ All Fields

Name
Thieriot Avenue +

One Way
Assumed to be No

Speed Limit
40, 50, 60... mph

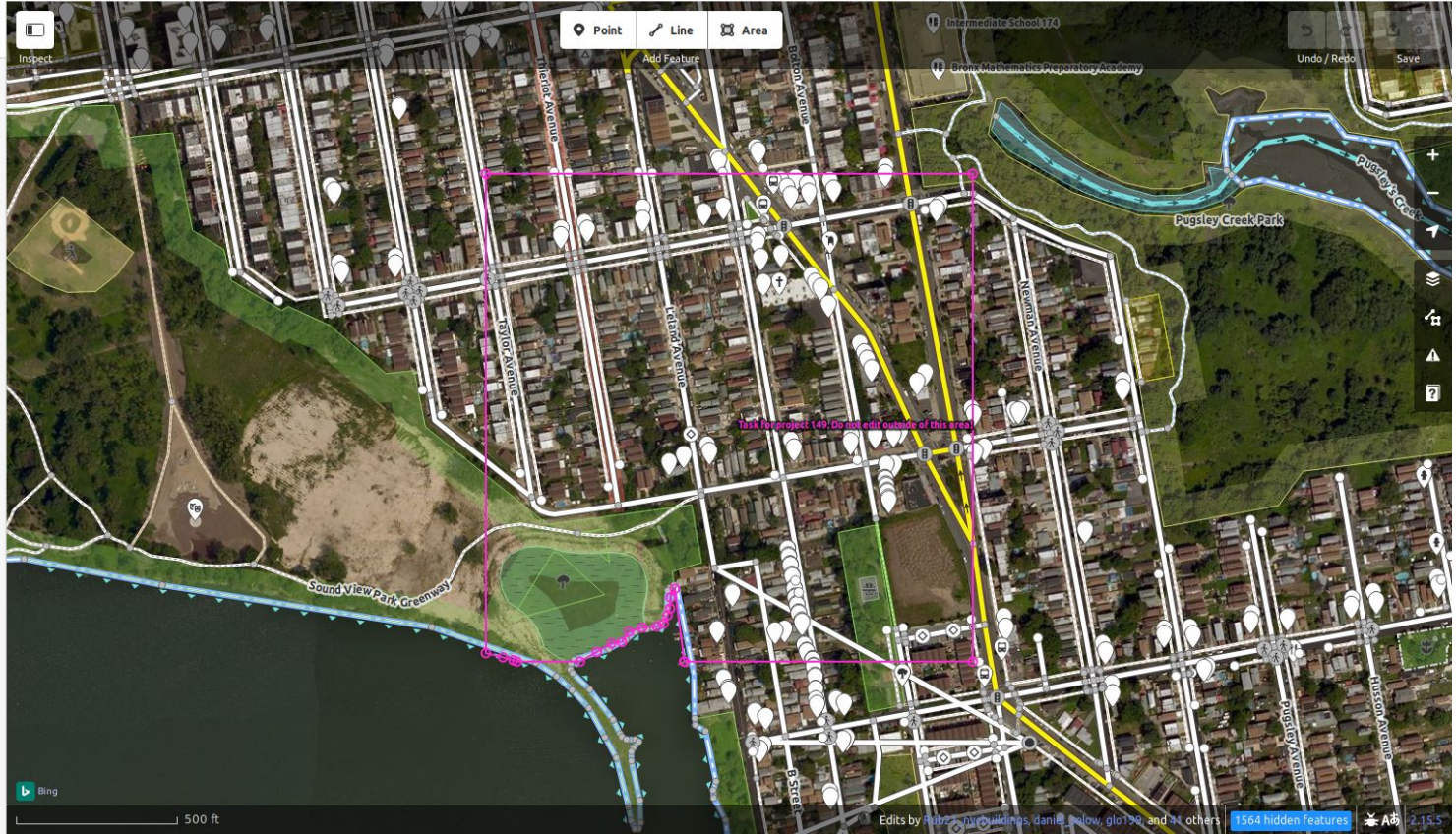
Lanes
1, 2, 3...

Surface
asphalt, unpaved, paved...

Structure
None

Allowed Access

| | |
|----------------|-----|
| All | yes |
| Foot | yes |
| Motor Vehicles | yes |
| Bicycles | yes |
| Horses | yes |



Edit feature

Sidewalk i

[Zoom to this](#)

All fields

Name i
Common name (if any) +

Surface i
asphalt, unpaved, paved...

Width (Meters) i
Unknown ^ v

Structure i

- Bridge
- Tunnel
- Embankment
- Cutting
- Ford

Allowed Access i

| | | |
|----------------|---------------|----------------|
| All | yes | v |
| Foot | designated | v |
| Motor Vehicles | no | v |
| Bicycles | Not Specified | v |
| Horses | Not Specified | v |

Incline i



sidewalks
115 miles





crosswalks
12 miles

What did we learn?

- OpenStreetMap: mostly user-friendly, need to learn how to use and practice with it
 - Difficult to visualize under elevated infrastructure, or even under trees
 - For task use, we wish that the “other sections” would be visually distinct from “ours”
- Streets are (better) mapped, unlike sidewalks!
- Would be nice if entering the sidewalk/crosswalk data/intersections were more efficient, so as to have more time to input details
- Many sidewalks simply end, especially towards the southwest region (Soundview), and/or crosswalks are missing/unmarked
- Curb cuts appear to be missing at many intersections, even where there are crosswalks

Next Steps

- Will we keep mapping?
 - We'll focus on neighborhoods we're familiar with
- There are mapping clubs around NYC
 - Find/contact one local to the area you're interested in
 - Work with your local community board on issues with sidewalks, crosswalks, and curb cuts/ramps