



Analysis of Bellevue Lake to Lake Trail

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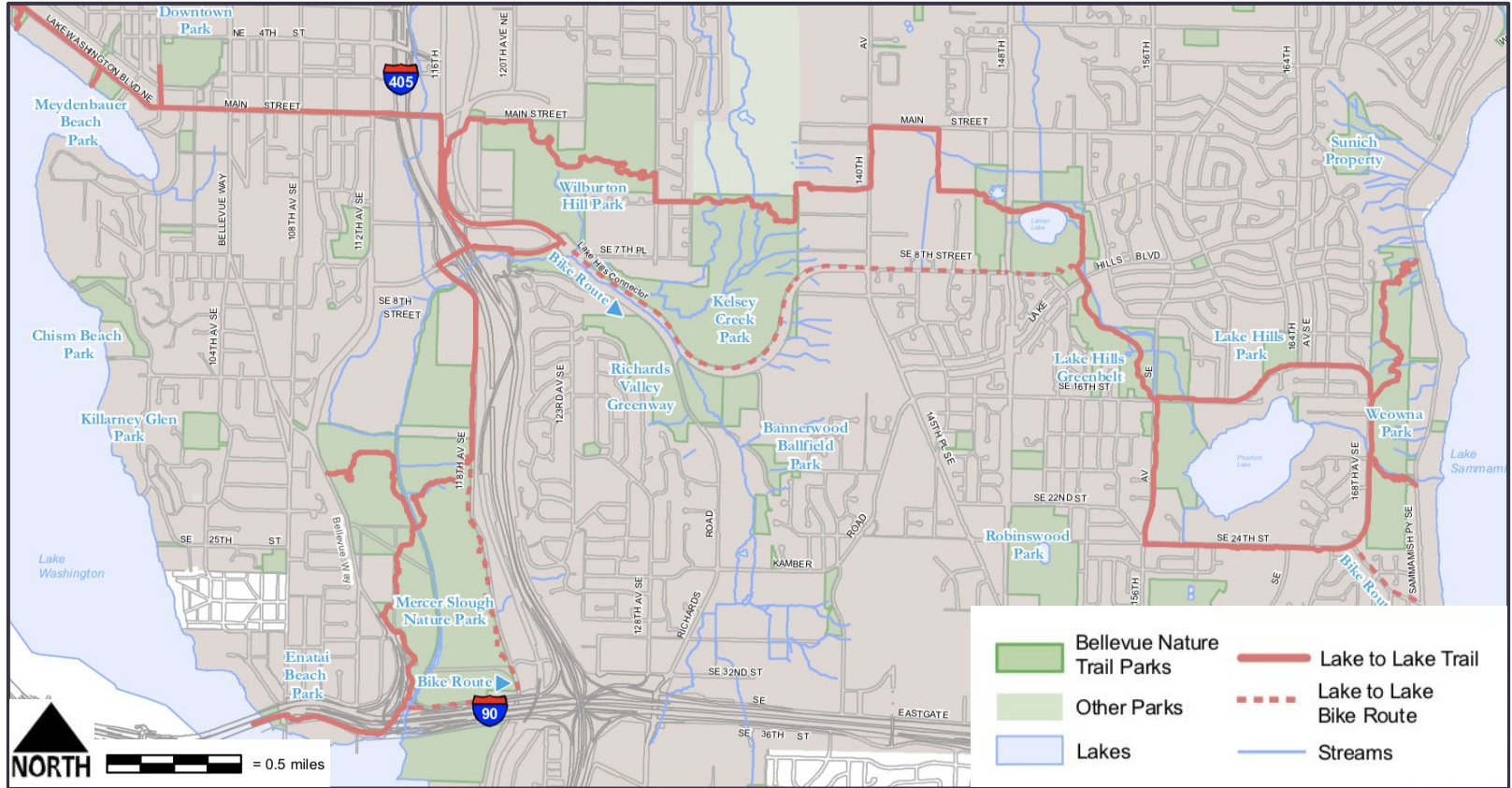
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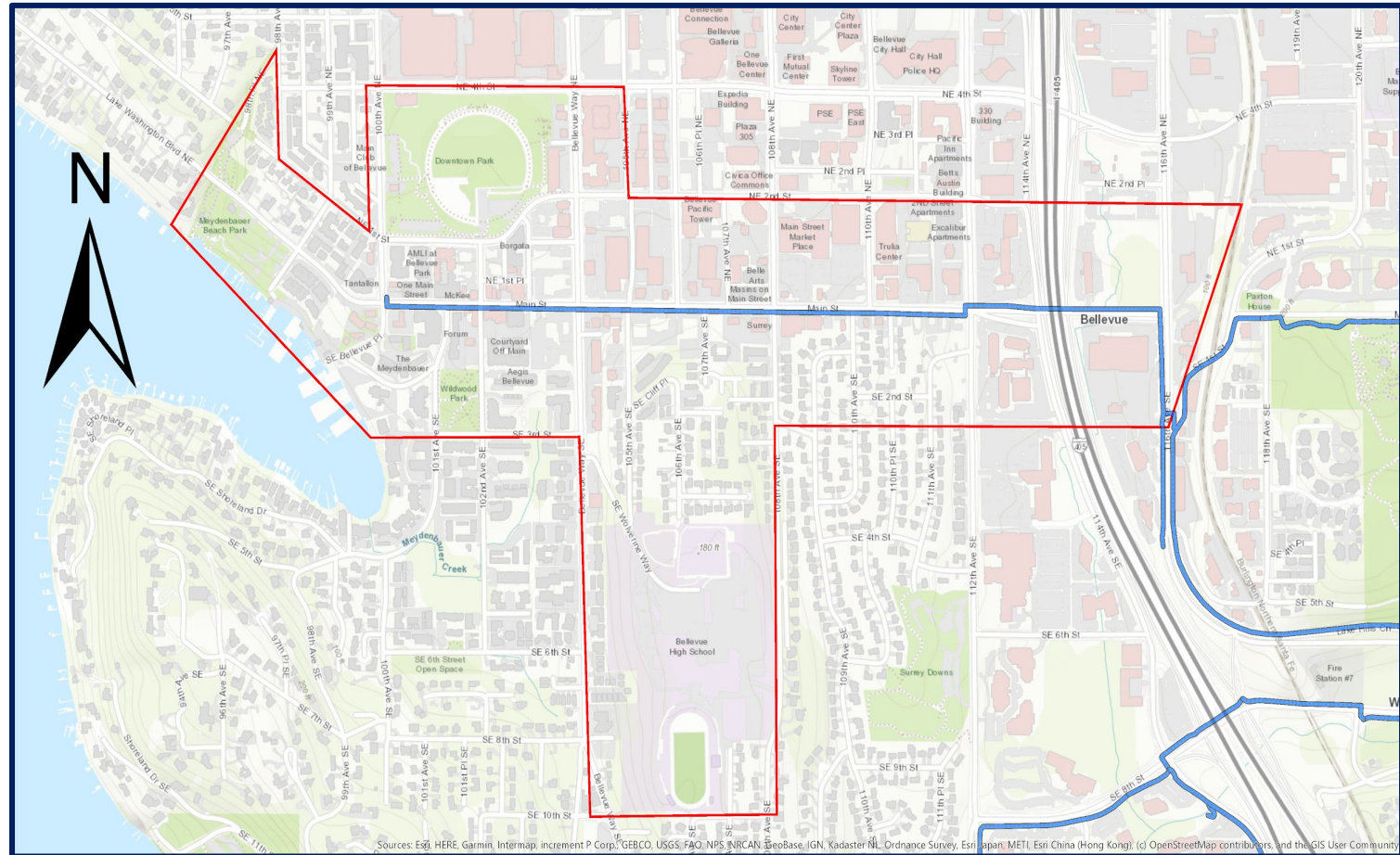


Geographic Analysis

L2L Trail

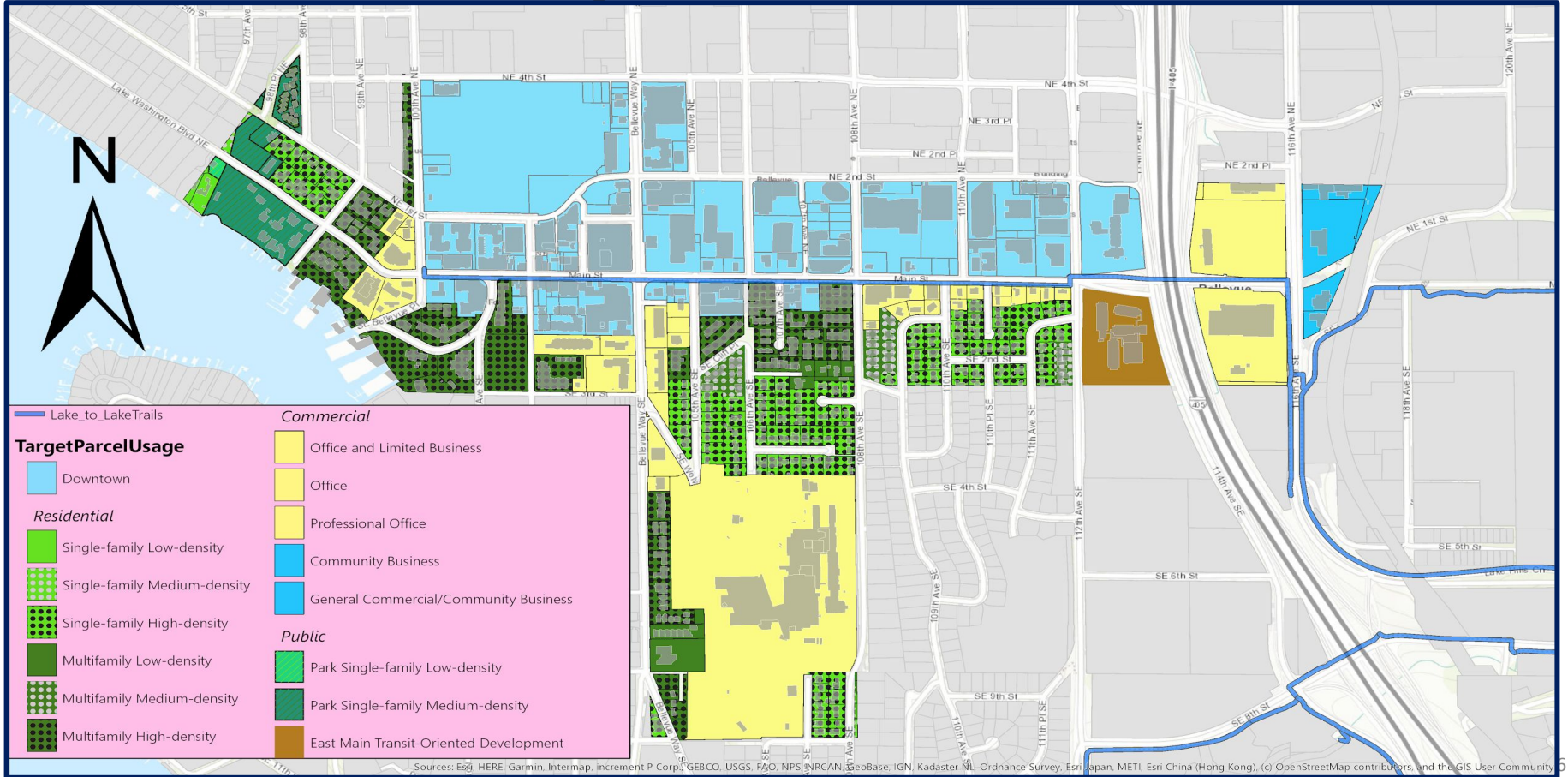


Study Area



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Study Area Land Use





Current L2L Trail

Current L2L Trail - Segment Start



Meydenbauer Bay Park



Beginning Section of Trail

Current L2L Sidewalk Conditions



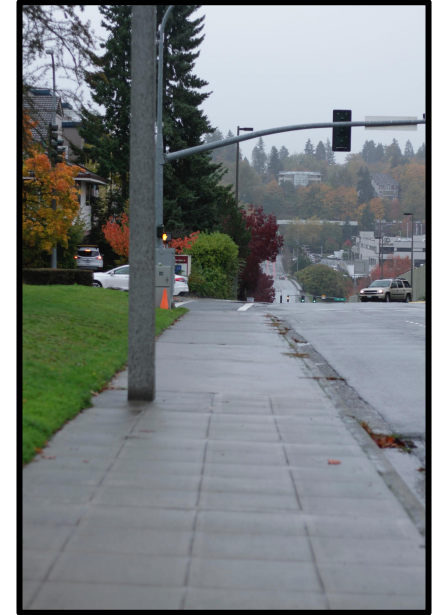
Old Bellevue



East of Old Bellevue

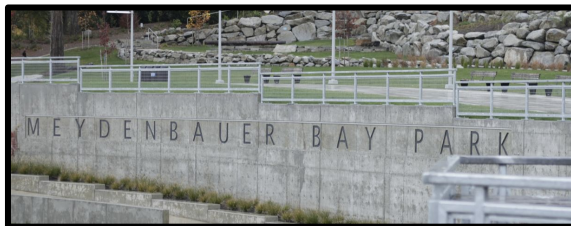


Near New Light Rail Station



Near New Light Rail Station

Current Signage on L2L



While uniform signage is currently nonexistent on our section of the trail, some examples of signage in the city of Bellevue can be seen.

Current L2L Signage (continued)



Lake to Lake features labeled by different department signage.



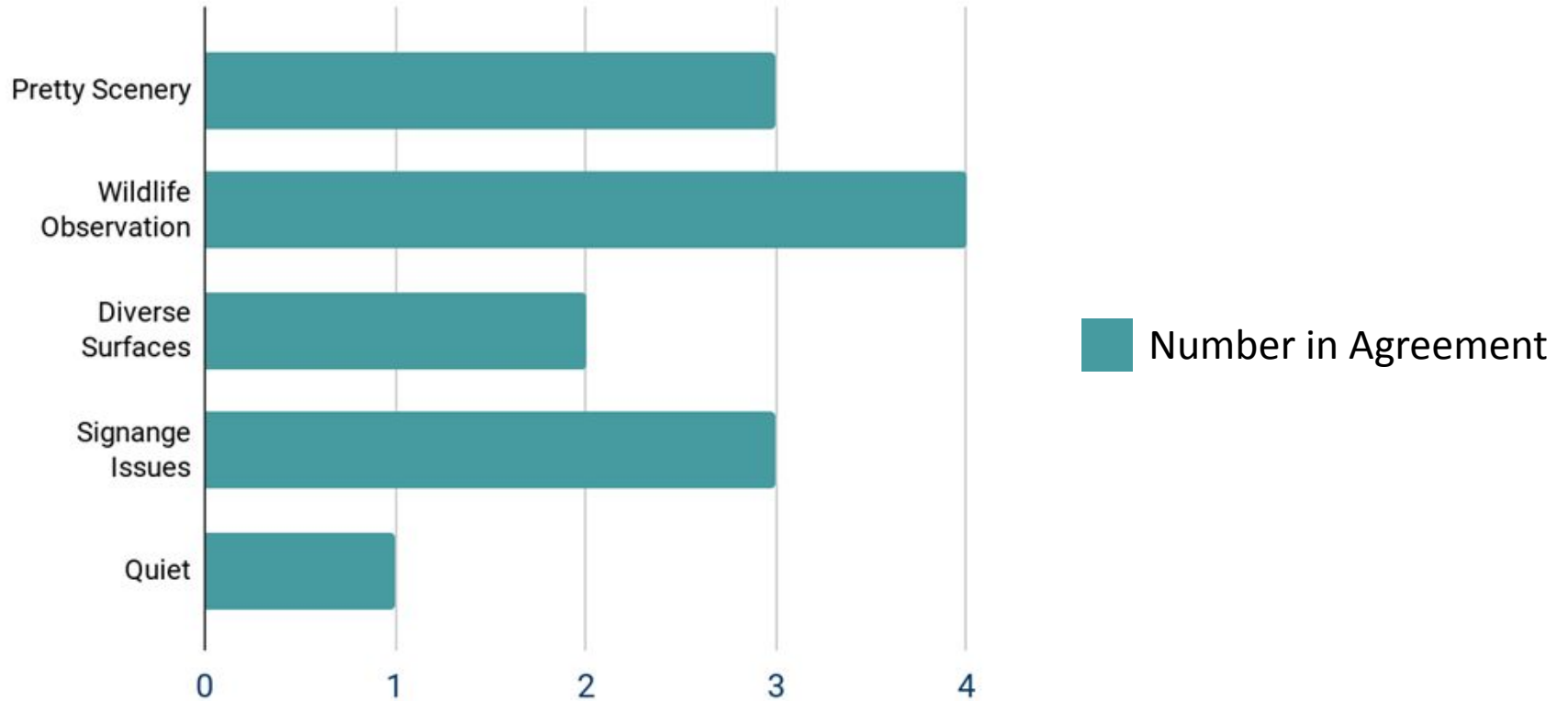
Lake to Lake signage is present on walk approaching Mercer Slough.

Current L2L “Plant Palette”



- Examples of plantings
- There is no current “planting palette” or theme.
- Both plantings are in Old Bellevue, but they lack consistency as does our entire section.

Reviews of L2L Trail - (6 total)





Case Studies

Individual Case Studies

MKT Trail

Columbia, MO



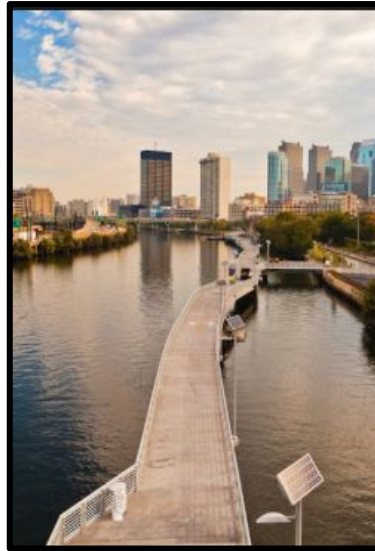
High Line

New York, NY



Schuylkill River Trail

Philadelphia, PA



The Bloomingdale Trail

Chicago, IL



Atlanta Beltline

Atlanta, GA



Image sourced from The Missouri Trails Project

Image sourced from Friends of the Highline

Image sourced from The Philadelphia Magazine

Image sourced from The Geographic Society of Chicago

Image sourced from Atlanta Beltline Partnership

Case Study: MKT Nature Trail, Columbia, MO

- 10 ft wide trail built on the old MKT railroad.
- 8.9 mile trail provides opportunities for walking, jogging, running, and bicycling.
- 352 acres (includes Forum Nature Area).
- Fitness stations at Stadium and Forum trailheads.

Travelers leave downtown Columbia to enjoy the Nature Trail



https://www.trailink.com/trail-photo/mkt-nature-and-fitness-trail_147091/

MKT Nature Trail - Applications

Trail offers shady tree coverage during the summer



https://www.trailink.com/trail-photo/mkt-nature-and-fitness-trail_147092/

- Ranked second in the nation for “Best Urban Trail” in the 2015 USA Today’s 10 Best Readers’ Choice Awards.
- Focus on outdoor recreation and fitness.
- Provides a unique educational offering.
 - “Voices From the Past”
- Fitness stations, water fountains and bathrooms.
- Popular year round among athletes, joggers, cyclists, hikers and nature lovers.

Case Study: The High Line, New York, New York

- Public park on an elevated decommissioned railway.
- Designed by James Corner Field Operations (Project Lead), Diller Scofidio + Renfro, and Piet Oudolf.
- Versatile, used for many programs throughout the year (450+ annually).
- Landscaping is a reflection of the plants that voluntarily took up residence during the High Line's 20 years of disuse.
- The irrigation and green roof system is quite extensive, allowing for maximum absorption by the plants.

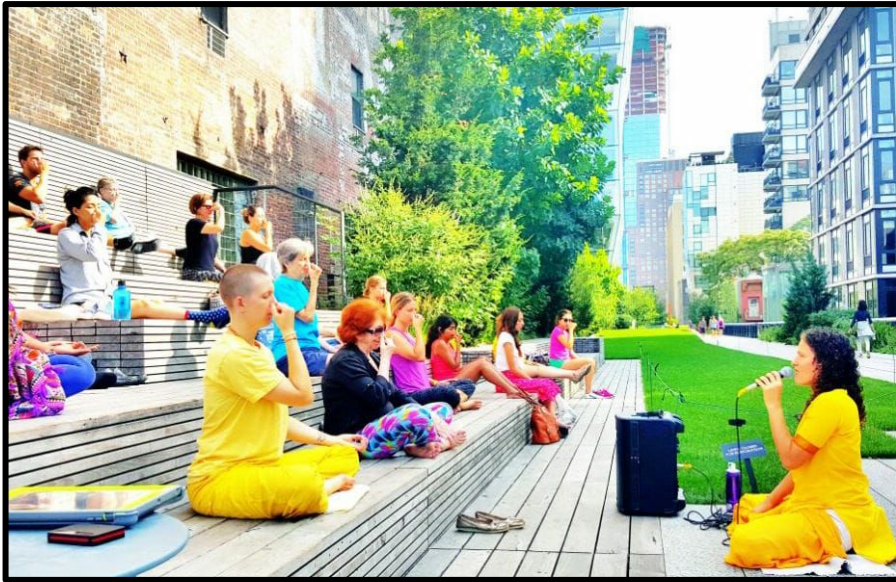
A view down the length of the High Line covered with volunteer plants



https://www.thehighline.org/photos-videos/historical/?gallery=5146&media_item=2744

The High Line - Applications

A meditation class on the High Line



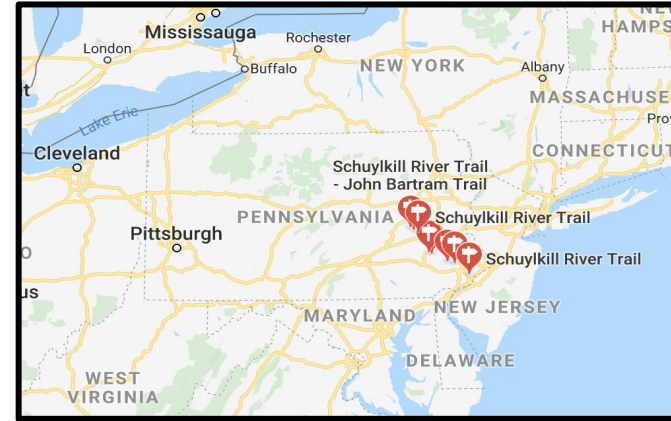
<https://sivanandany.org/event/meditation-sessions-on-the-highline/>

- Programmatic Elements
 - Partnerships?
 - Precedents?
- Website Creativity and Accessibility
 - Very Important
- Artist Involvement → interaction
- Deliberate and dynamic plant palette
- Wastewater diversion, irrigation systems

Case Study: Schuylkill River Trail, Pennsylvania

Context

- Southeastern Pennsylvania
- Over 70 miles of the trail are open - in segments.
- Industrial development, abandoned coal and steel mines, canal navigation, and rail transport can be seen from the trail.



<https://www.google.com/maps>

Trail Conditions

- Many owners and donors
- Mileage and destination signs
- Paved and crushed stone
- Wide pathway
- Grassy sidings



<https://schuylkillriver.org/schuylkill-river-trail/>



https://en.wikipedia.org/wiki/Schuylkill_River_Trail

Schuylkill River Trail - Applications

One of the greatest takeaways from the Schuylkill River Trail is their online interactive map

- Provides wayfinding
- Integrates programming
- Addresses Accessibility

The screenshot displays an interactive map of Philadelphia, PA, with a focus on the Schuylkill River Trail. A pop-up window for the Columbia Bridge trailhead is visible, providing details about its location and accessibility. The map also shows various trailhead features and a list of trailhead information on the right side.

INTERACTIVE MAP

Columbia Bridge

1800 Kelly Dr, Philadelphia • Get Directions

The trailhead at Columbia Bridge is a large, open parking lot with easy access from Kelly Drive. It is located downriver (south) of the East Park Canoe House Trailhead and

READ MORE

SCHUYLKILL BANKS TRAILHEAD

Philadelphia, PA • Get Directions

- On grade at Waterworks Dr, MLK Dr., Race St, Locust St
- Ramps at Market St Bridge and Chestnut St Bridge
- Stairs to JFK Blvd. Bridge and Walnut St Bridge at 2501 Walnut St

P Parking **Restrooms**

Visitor Center **Water Trail Landing**

Watercraft

There is no parking available at this trailhead, however, the Schuylkill Banks Center is on the trail under the Walnut Street Bridge. The information kiosk is staffed by volunteers and provides information about events and activities taking place

<https://schuylkillriver.org>

Case Study: The Bloomingdale Trail, Chicago, IL

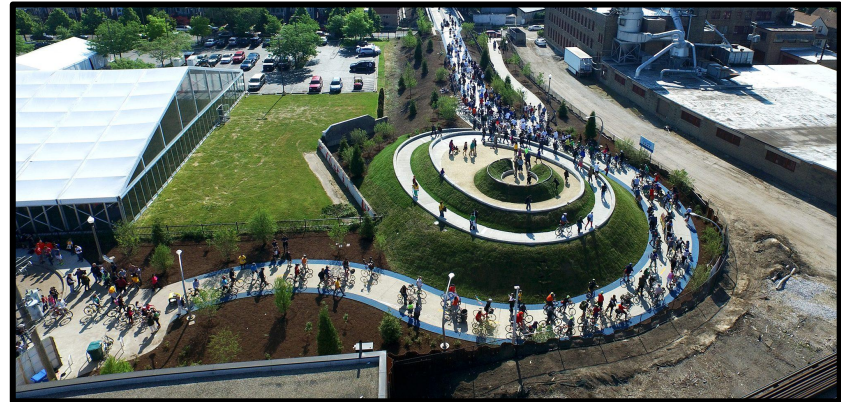
- Urban greenway that spans 2.7 miles across Chicago's neighborhoods.
- Train traffic ceased altogether and the tracks were abandoned in 1990s.
- The City of Chicago and the Friends of the Bloomingdale Trail proposed the transformation of the corridor into a community greenway.

Context map



<https://www.the606.org/about/photos/>

View of The Bloomingdale Trail from above



<https://www.the606.org/events/bloomingdale-trail-run/>

The Bloomingdale Trail - A Positive Impact

Before (2013)



After (2015)



After the Bloomingdale's completion in 2015, people began to realize that crime rates were dropping in the area. <https://www.chicagomag.com/Chicago-Magazine/Beforeandafterimages> One study conducted by researchers from Clemson and North Carolina State University compared crime rates in the neighborhoods along The Bloomingdale Trail from 2011, before the greenway opened, and 2015, to find that the crime rates had fallen faster along the trail than in similar neighborhoods nearby.

implementing programming in a site helps strengthen community engagement, has increased security and restoration of dignity.

Case Study: Atlanta Beltline



Image sourced from Atlanta Beltline Partnership



Image from <https://www.artsatl.org/news-ryan-gravel-nathaniel-smith-resign-board-atlanta-beltline-partnership/>

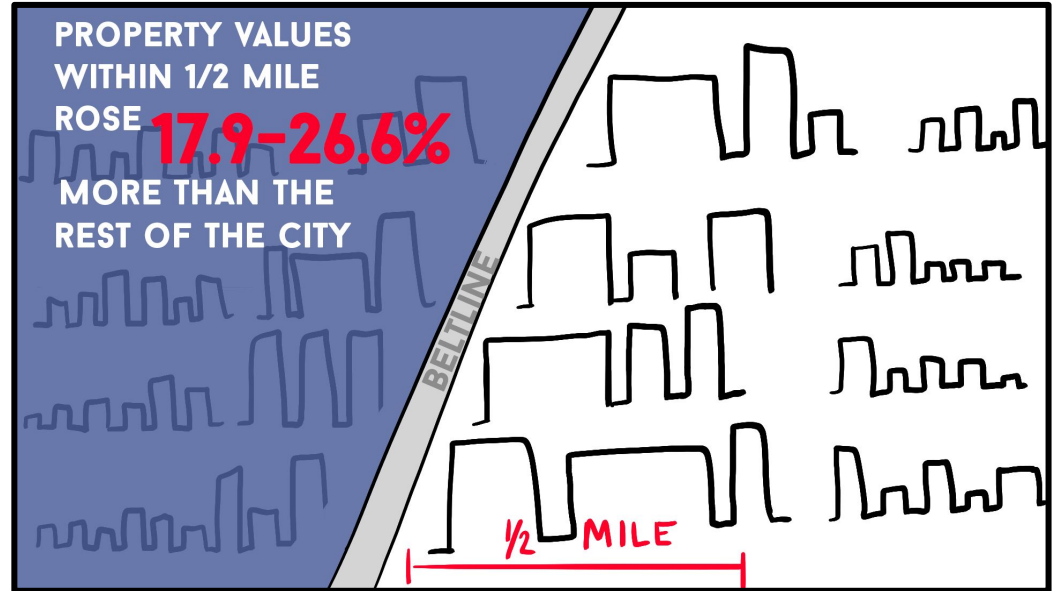
- Built on old rail lines
- Mixed use path with future light rail development
- Reconnects city
- Capital budget
 - \$45 million total
 - \$11.9 million for affordable housing



Screenshot from <https://beltline.org/the-project/project-goals/>

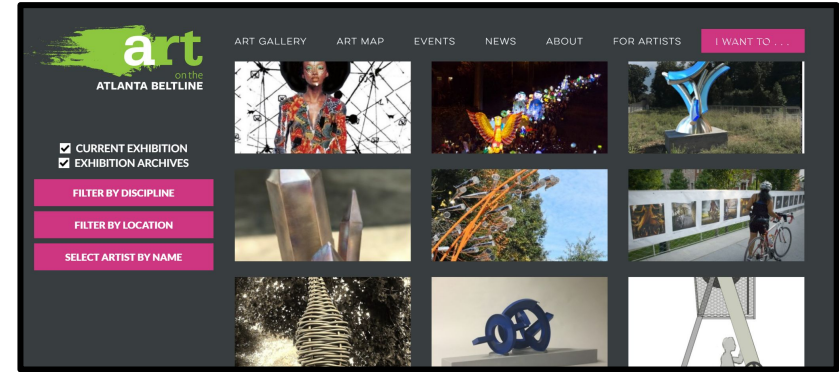
Atlanta Beltline - Housing Development

- Concerns over property values impacting residents of nearby neighborhoods
 - Trail touches a lot of low income areas, like majority black neighborhood Fourth Ward.
 - Affordable housing project attempts to protect residents from displacement.
- Currently about halfway to meeting affordable construction goals by 2030 (5600 units).



Atlanta Beltline - Website and Arts Program

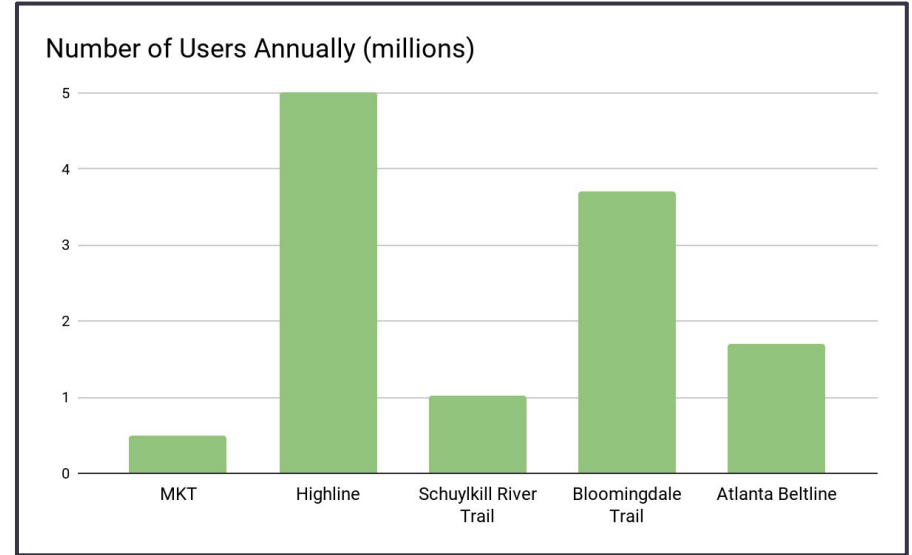
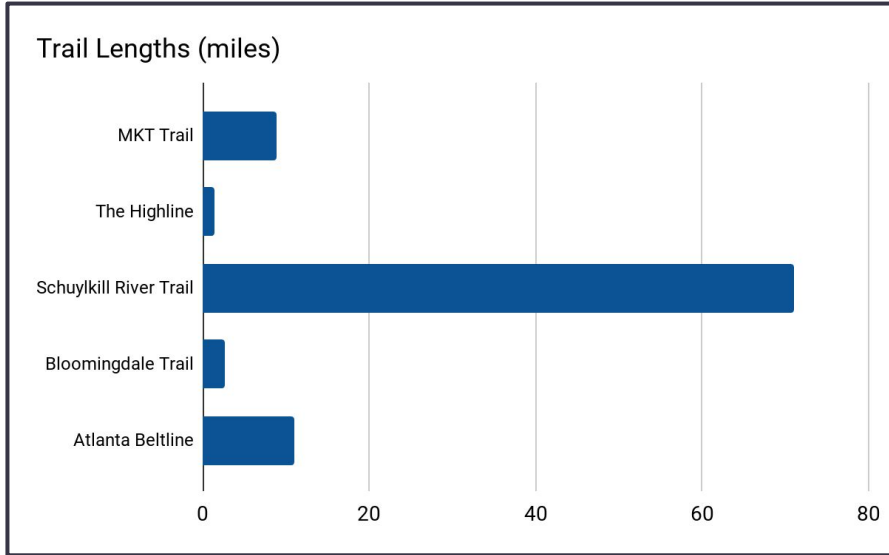
- Website design and info
 - Bright, colorful, friendly
 - Learn about trail in present and future
 - Lots of information on various aspects of beltline - split into different parts
 - Interactive map
 - Future development
 - Events
 - Art
- Yearly art program
 - Art collection and events at key points and throughout the trail
 - Refreshed yearly
 - 2019 Program Outline (right)



Cropped screenshot from <https://art.beltline.org/art/>























Case Study Summary



Case Study Summary

LEGEND:

YES			NO	
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	Uses	Website w/ Map	Art Elements	Landscaping	Accessibility
MKT	Recreation				
Highline	Recreation				
Schuykill River Trail	Recreation/ Commute				
Bloomingdale Trail	Recreation				
Atlanta Beltline	Recreation/ Commute				

A dark blue, irregularly shaped graphic with a splatter effect, containing the text "What's next?" in white. The graphic has a rough, hand-painted appearance with various shades of blue and white splatters around its edges. The text is centered within the dark blue area.

What's next?

Propose Wayfinding

- Logo
 - Design
 - Colors
 - Physical design and location
- Consistent signage
- Examples of other projects and interactive maps
- Passive wayfinding



Define possible Aesthetics

- **Plant palette**
 - Sustainability in the PNW
 - Unified aesthetic
- **Recommend location and design of infrastructure**
 - Benches
 - Restrooms
 - Water
 - Lighting
 - Waste
- **Proposed capital improvements**
 - Utilizing various park and recreation theories such as Japanese Gardens
 - Creating, dividing physical space and encouraging certain uses of such space

Recommend Programming

Example of Park Programming

- Precedents and best practices
- Possible partnerships
- Implementation strategies
- Website application
- Importance for future projects



<https://beltline.org/things-to-do/atlanta-beltline-tours/atlanta-beltline-partnership-bike-tours/#register>

Sources

<https://beltline.org/the-project/project-goals/>

<https://www.theatlantic.com/politics/archive/2015/04/atlantas-own-high-line-may-finally-erase-some-racial-divisions/431955/>

<https://emorywheel.com/atlantas-beltline-a-gentrified-path/>

Immergluck, Dan (2017). "Sustainable for whom? Green urban development, environmental gentrification, and the Atlanta Beltline". *Urban Geography*. 39:4 (4): 546–562.

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https://www.thehighline.org/photos-videos/historical/?gallery=5146&media_item=2744

<https://sivanandanyc.org/event/meditation-sessions-on-the-highline/>

<https://www.google.com/maps/place/Pennsylvania/@41.1002093,-79.8536009,7z/data=!3m1!4b1!4m5!3m4!1s0x882d80261e32e589:0xc24621475022b43d!8m2!3d41.2033216!4d-77.1945247>

<https://schuykillriver.org/schuykill-river-trail/>

https://en.wikipedia.org/wiki/Schuykill_River_Trail

<https://schuykillriver.org>

<https://www.the606.org/visit/maps/map/>

<https://www.the606.org/about/photos/>