



WELCOME

ZEITGEIST PRESENTS

WINTER BIKE WEEK



January 29 - February 5, 2021
all events free of charge
COVID-19 precautions enforced



Continental Commuters

Jan. 29 - 7am-12pm - Continental Ski & Bike - 1305 E 1st St.

Bike Tune-Ups - Kids' Helmet Giveaway via Safe Kids NE MN - Take-Home Treats



Fat Tire Bike Demo

Jan 30. - 10am-2pm - Lake Superior Ice Festival - Barker's Island, Superior

Take a test ride on a fat tire bike courtesy of CSS Outdoor PURSUIT!



Embracing Winter: A Virtual Discussion

Feb. 2 - 12pm - Virtual Event

Join us to hear about how our community can embrace the outdoors during winter & COVID-19!



Kids' All-Sport Helmet Giveaway

Feb. 3 - 1-5pm - Bike Cave - 1712 Jefferson St.

Have your child fitted for a free all-sport helmet from Safe Kids NE MN!



Pedestrian Plan Webinar on Winter Safety & Accessibility

Feb. 4 - Sessions at 12pm & 5pm - Virtual Event

How the DRAFT Duluth-Superior Metropolitan Pedestrian Plan will guide improvements to places for people walking along and across the Twin Ports.



Winter Biking 101

Feb. 5 - 12pm - Virtual Class - Register Online

Gain practical knowledge on commuting by bike through the winter months!

visit bit.ly/wbw2021 for details, registration & additional events

ZEITGEIST THANKS OUR WINTER BIKE WEEK SPONSORS!



Essentia Health





PRIORITIZING WALKING

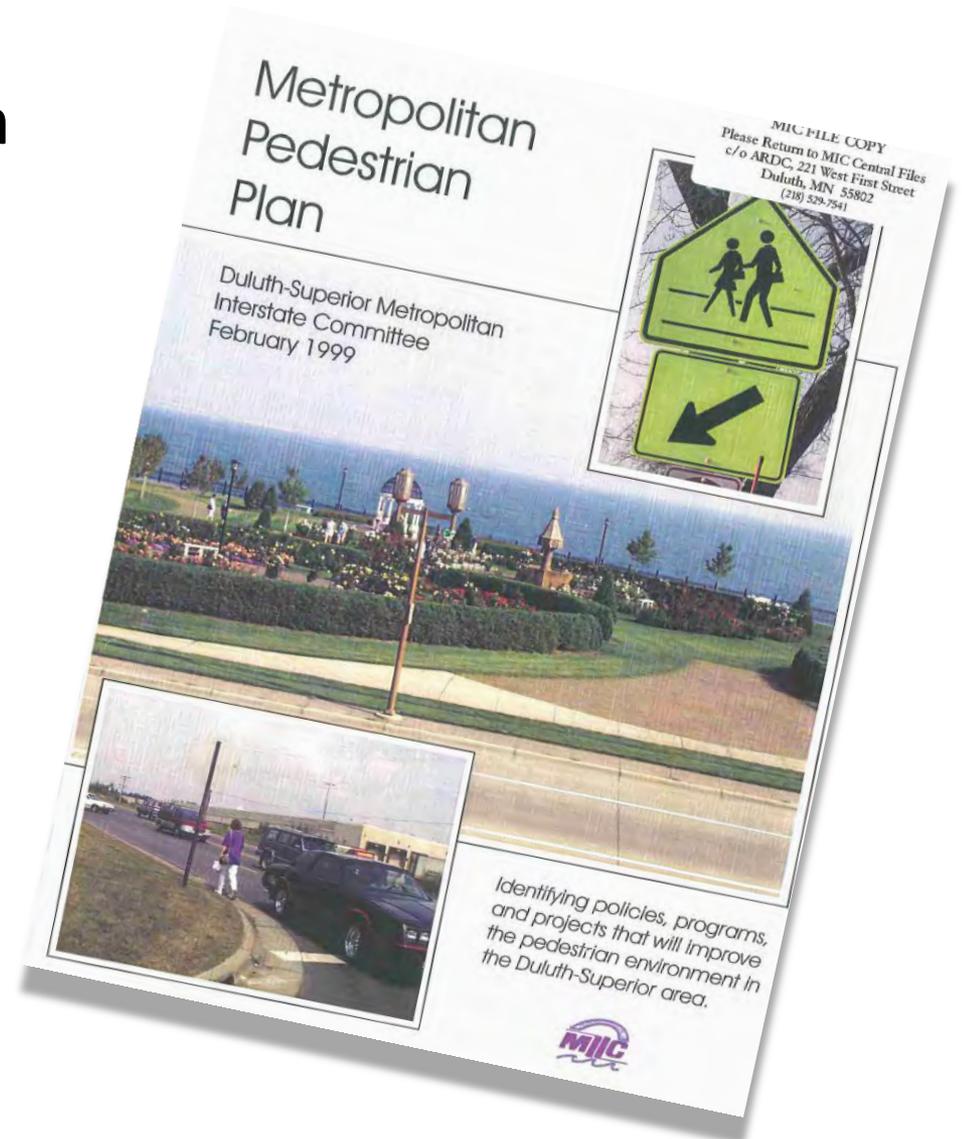
Duluth-Superior Metropolitan Pedestrian Plan

February 4, 2021



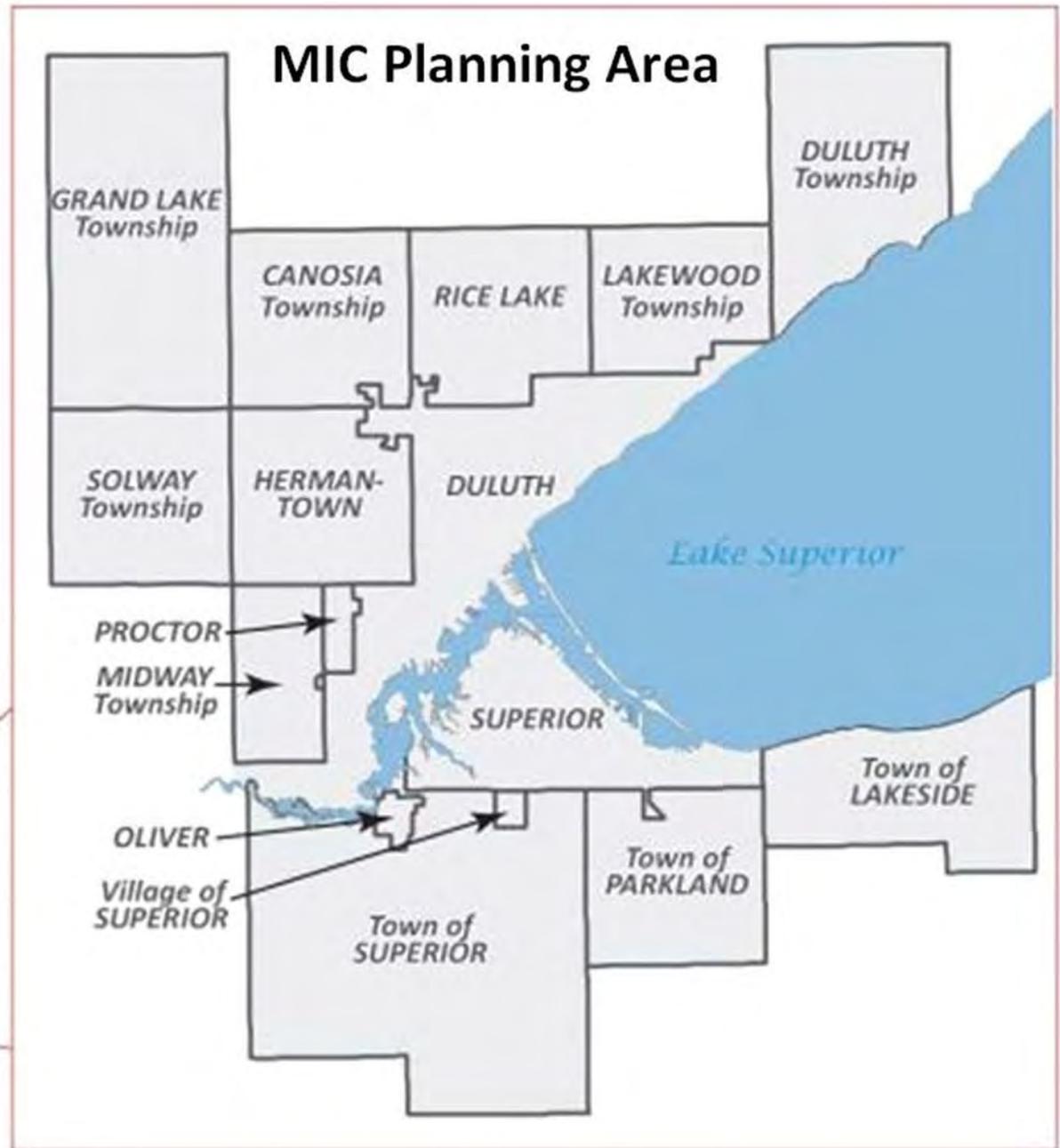
Pedestrian Planning - History

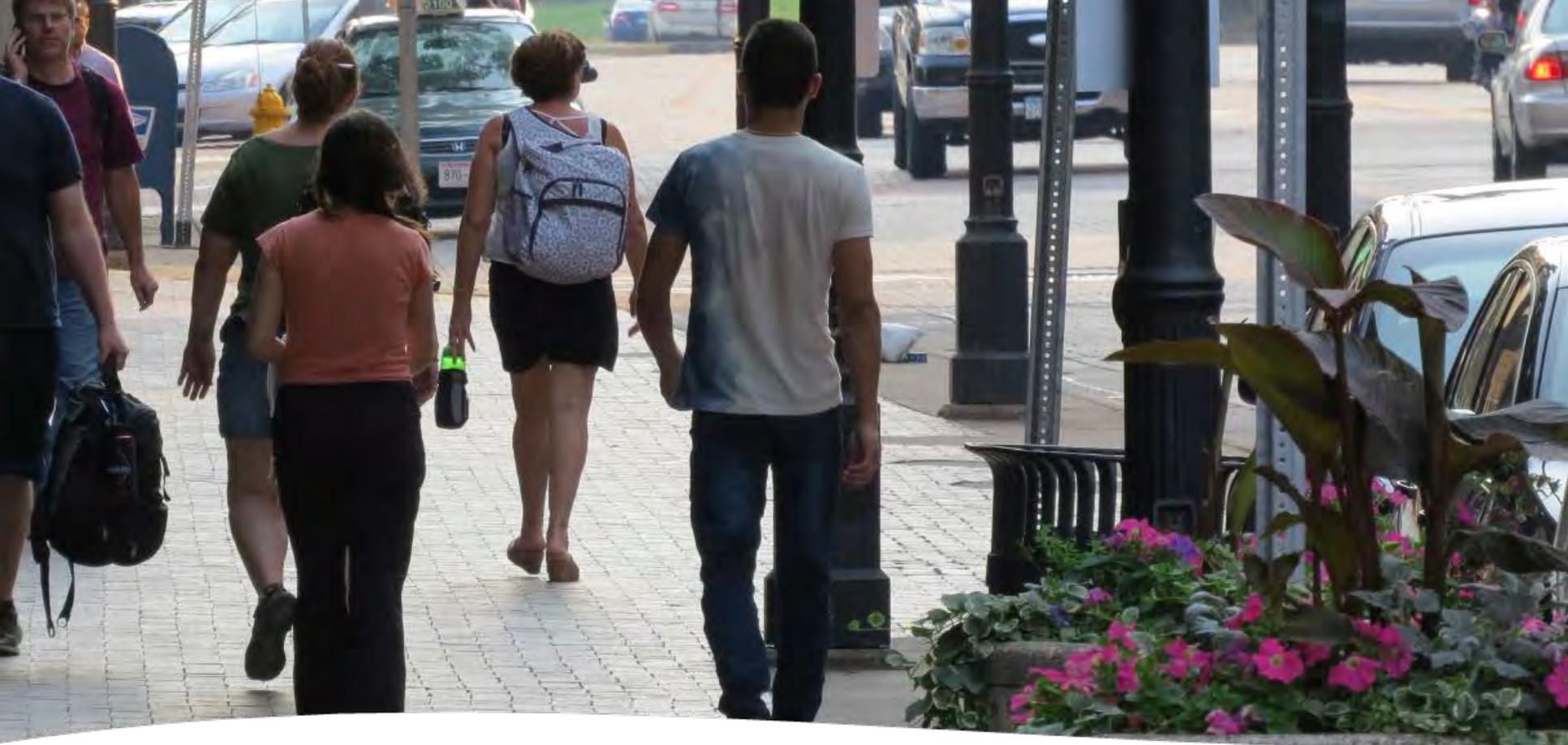
- DS Metro Pedestrian Plan
- Sidewalk Inventory & Condition Analysis
- Safe Routes to School Plans
- Pedestrian Count Program



Focus of this Pedestrian Plan

- The Twin Ports Ped Plan
- Urban transportation network
- Short trips (avg. 10 trips/day)
- All ages & all abilities





- Walking plays an essential role in the urban transportation system.
- Provide guidance and recommendations on improving walking along and across roadways throughout the Twin Ports.
- Seamless continuity across jurisdictional boundaries and roadway authorities.



Ped Plan

- People of all ages and abilities



Walking to School



Crossing the streets



Catching a bus



Duluth-Superior's Ped Plan

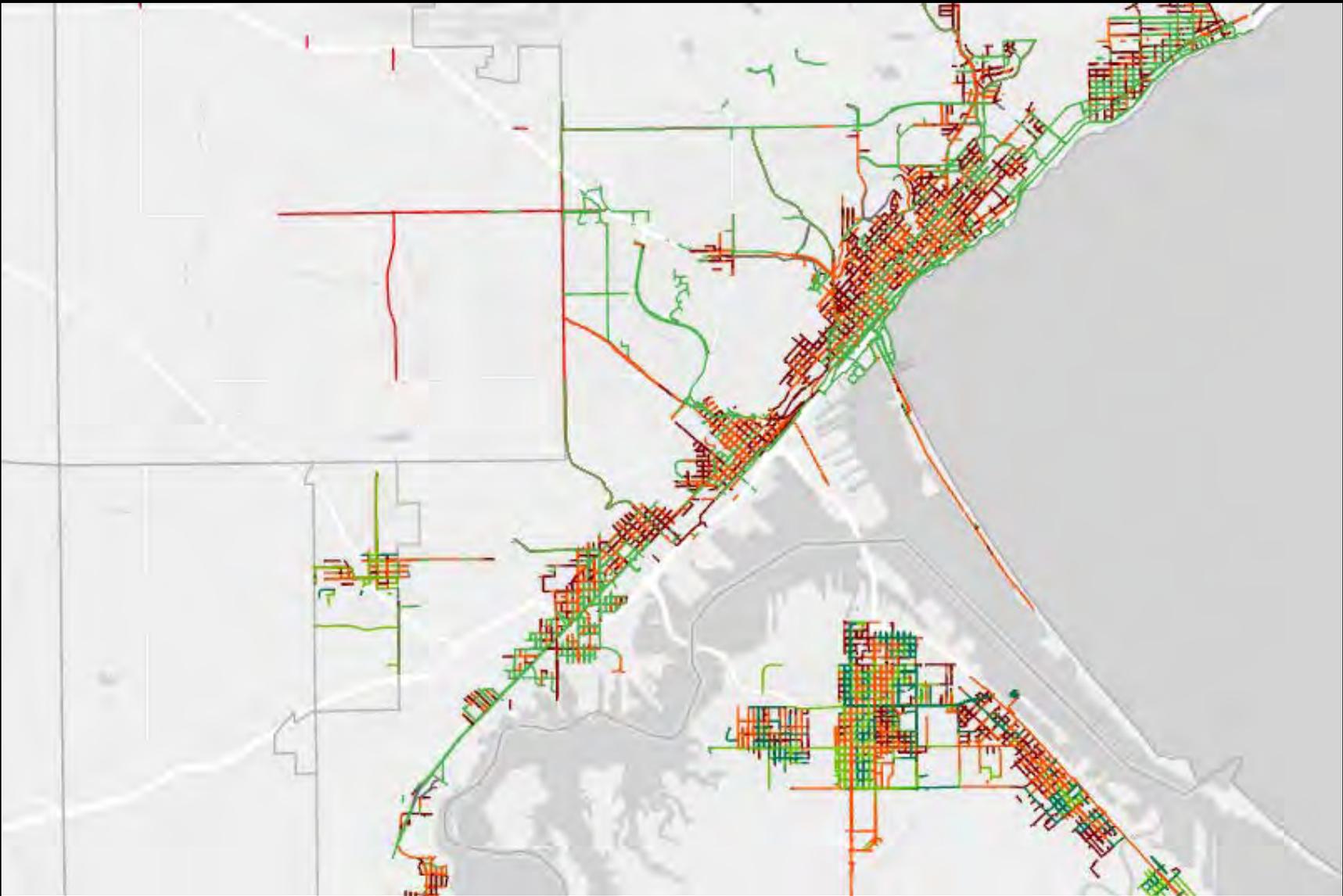


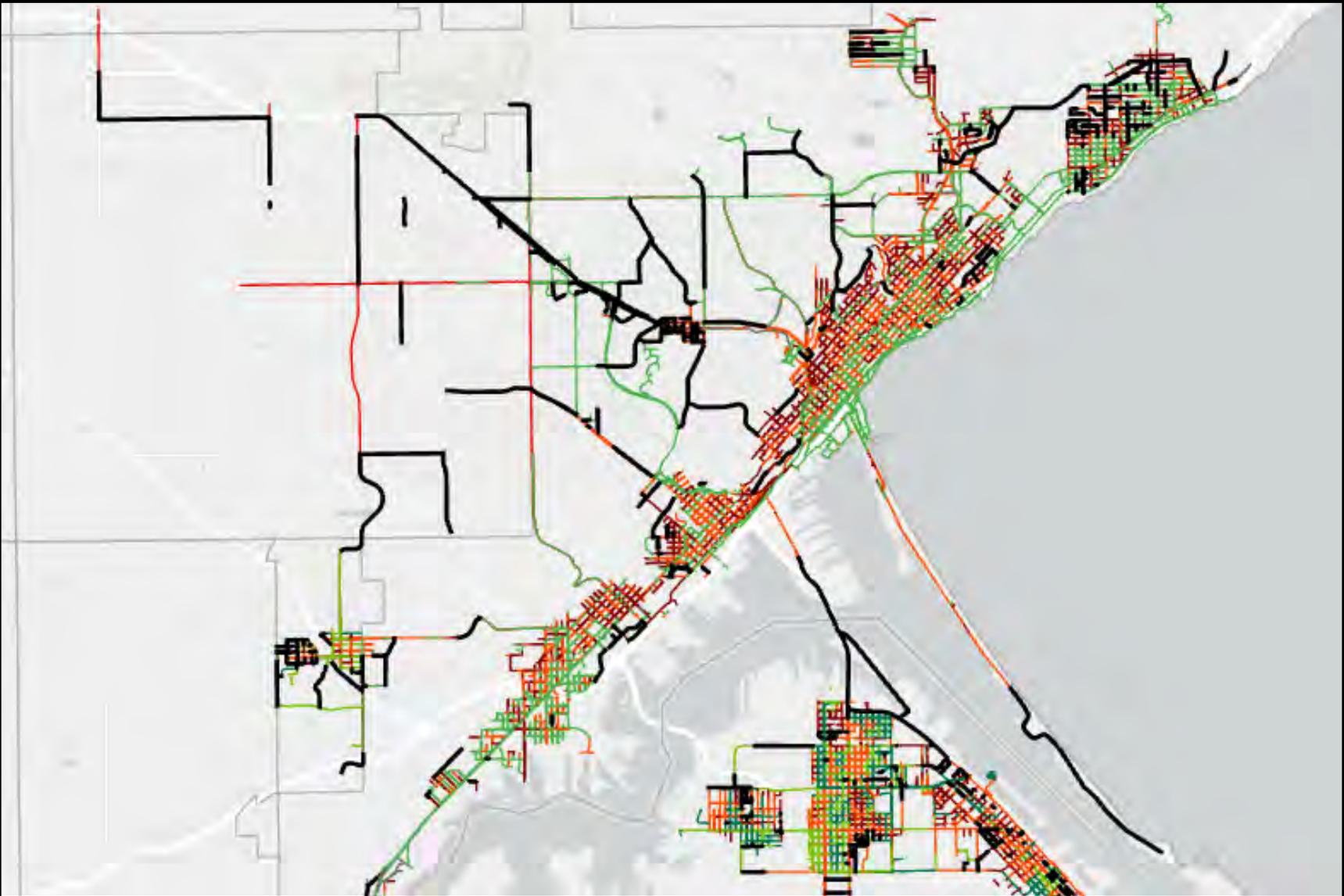
- Aspires to a Vision
- Sets goals & priorities
- Measures progress

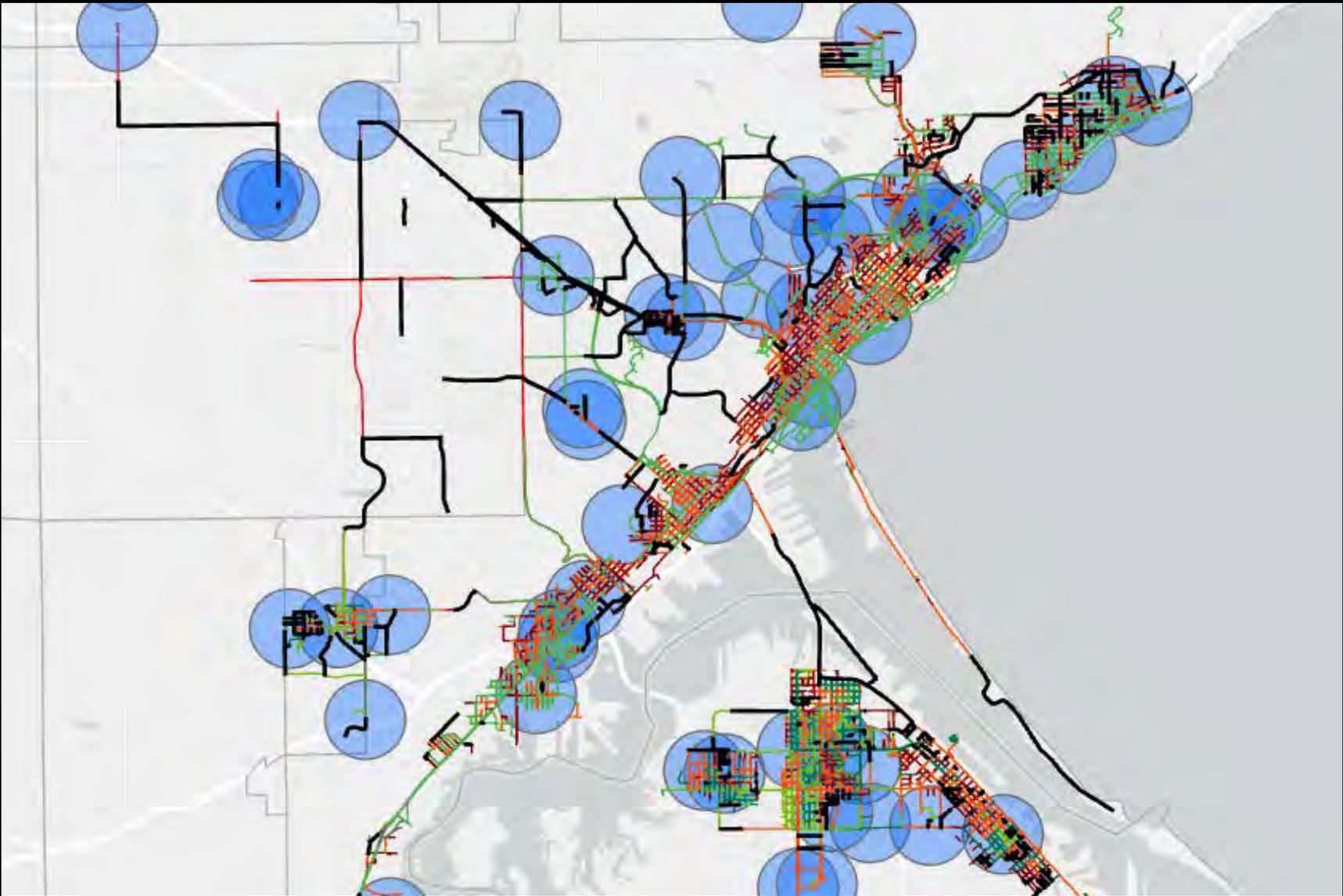


Vision

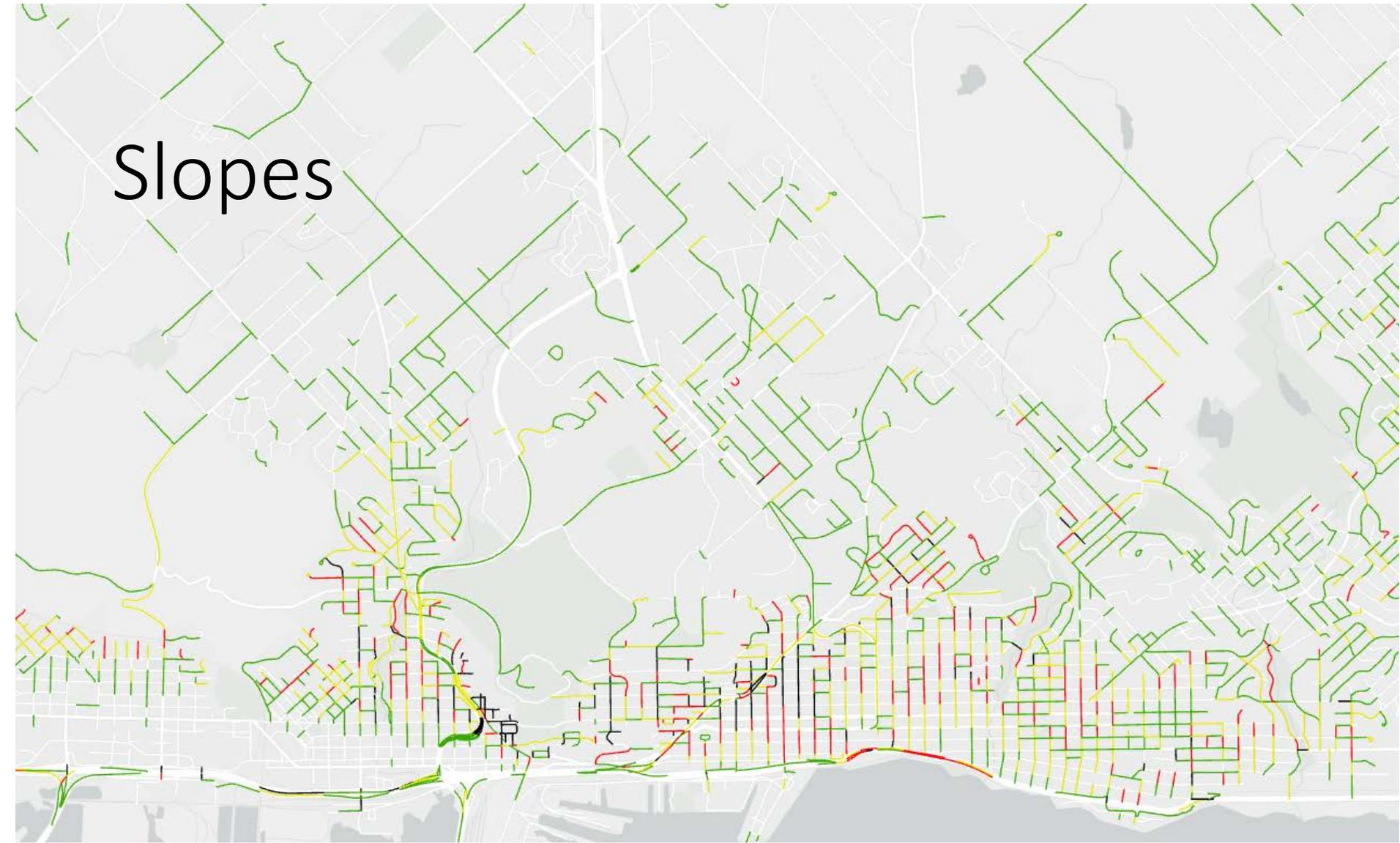
- Goal - easy, safe, & comfortable
- Routing - direct and convenient
- Access - consistent & predictable







Slopes



Slopes

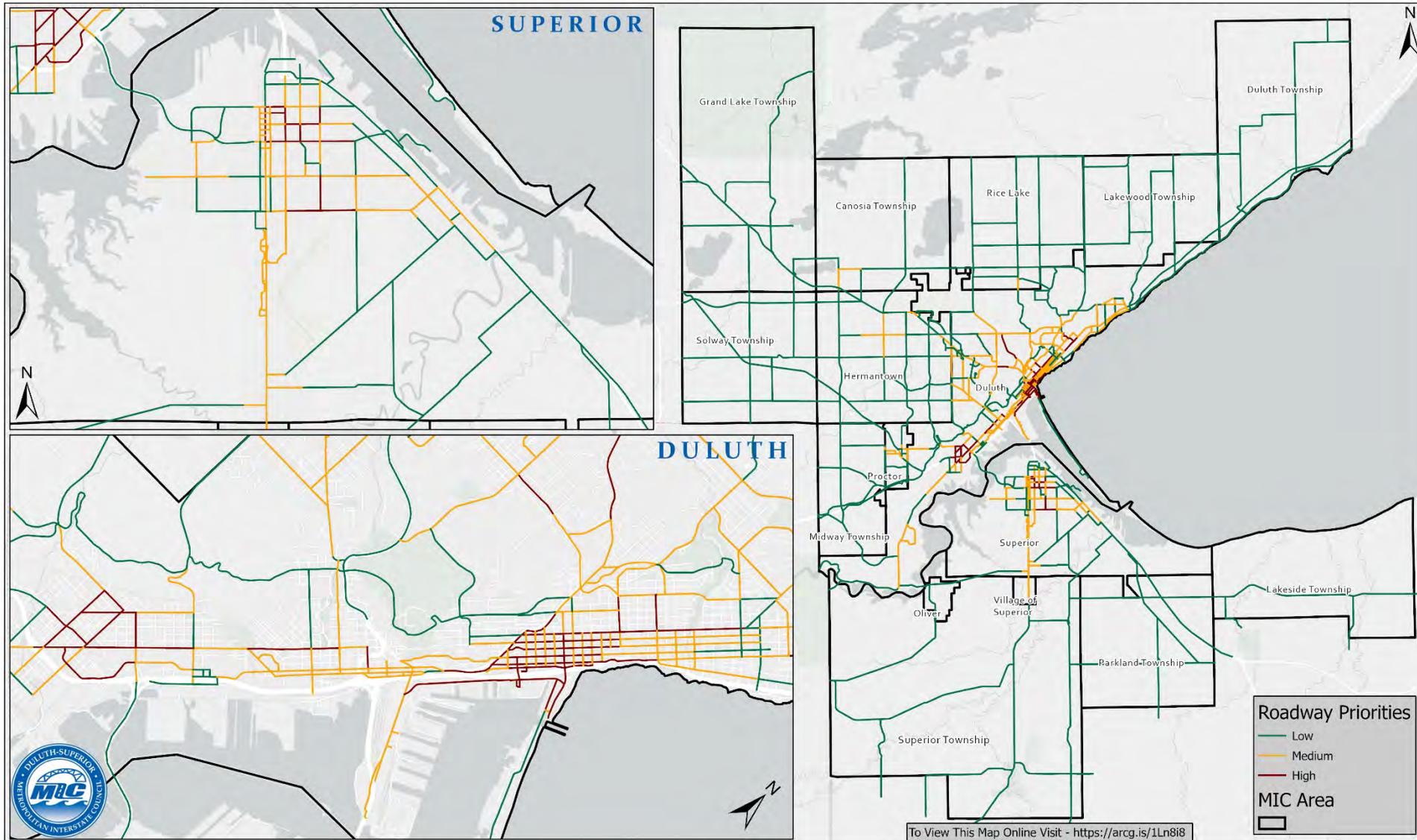




Prioritization

- Scores
- Gaps – missing sidewalks
- Barriers – limited ways to cross
 - Natural – water body, steep hill
 - Built – railroad tracks/yard, highway, buildings
- Sidewalk Condition

Duluth-Superior Pedestrian Plan - Pedestrian Priority Map



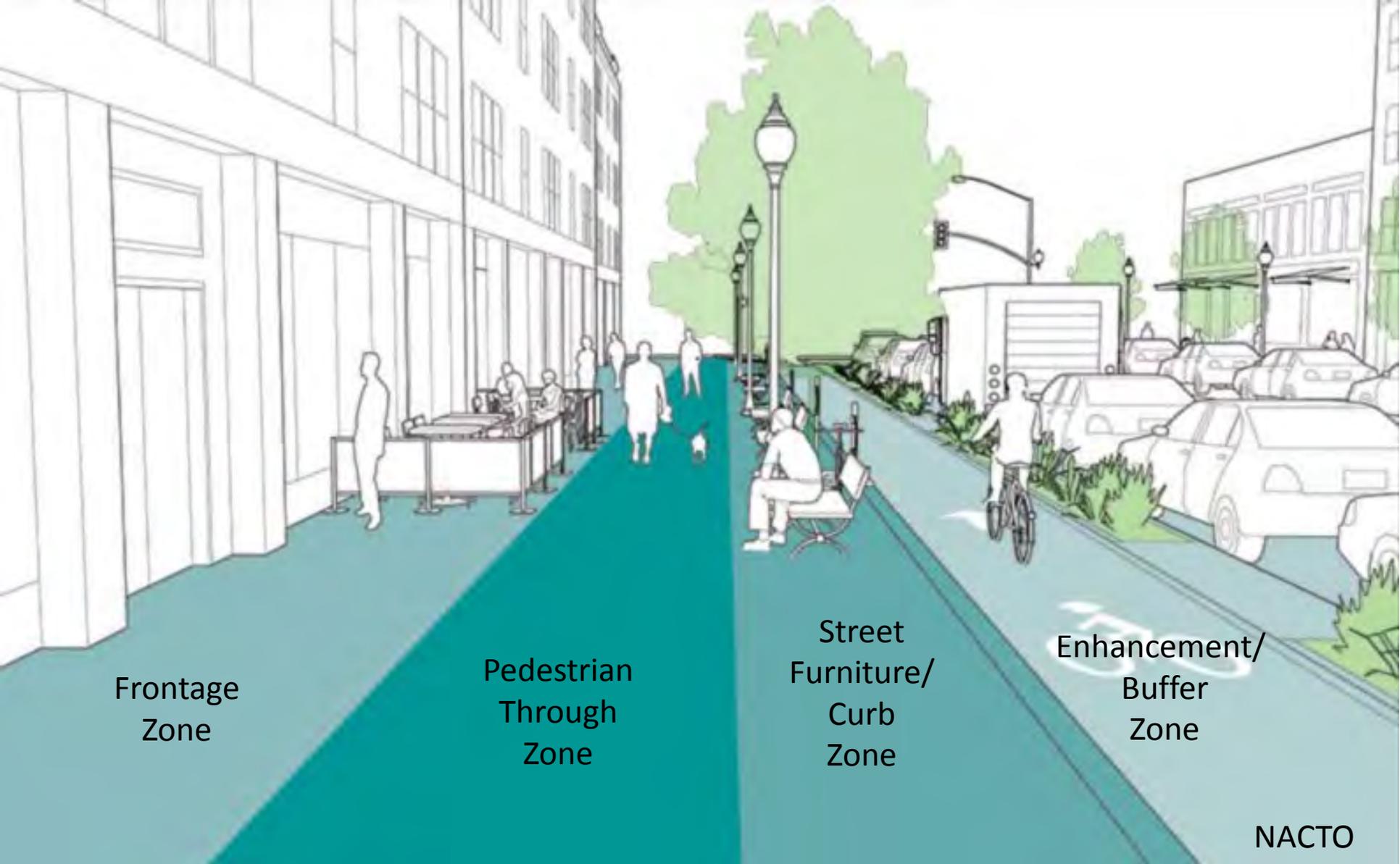
General Recommendations

- Buffer space for snow storage.
- Crossing enhancements
 - Increase yield rates
 - Increase visibility
 - Reduce time delay to cross
- Pedestrian Signal
 - push buttons that
 - Pedestrian Lead Intervals
- Railing along sidewalks with steep slopes
- Dynamic pedestrian crossing warning signage
- Traffic calming device to lower the speeds in urban areas
- Fill sidewalk gaps
 - K-12 public school - arterials and collectors within 0.5 mile radius
 - Urban section streets that lack sidewalks on both sides.

Design considerations

- Protection from errant vehicles
- Residential areas – 5-8 ft width
- Commercial areas – 8-12 ft width

Pedestrian Zones



Frontage
Zone

Pedestrian
Through
Zone

Street
Furniture/
Curb
Zone

Enhancement/
Buffer
Zone

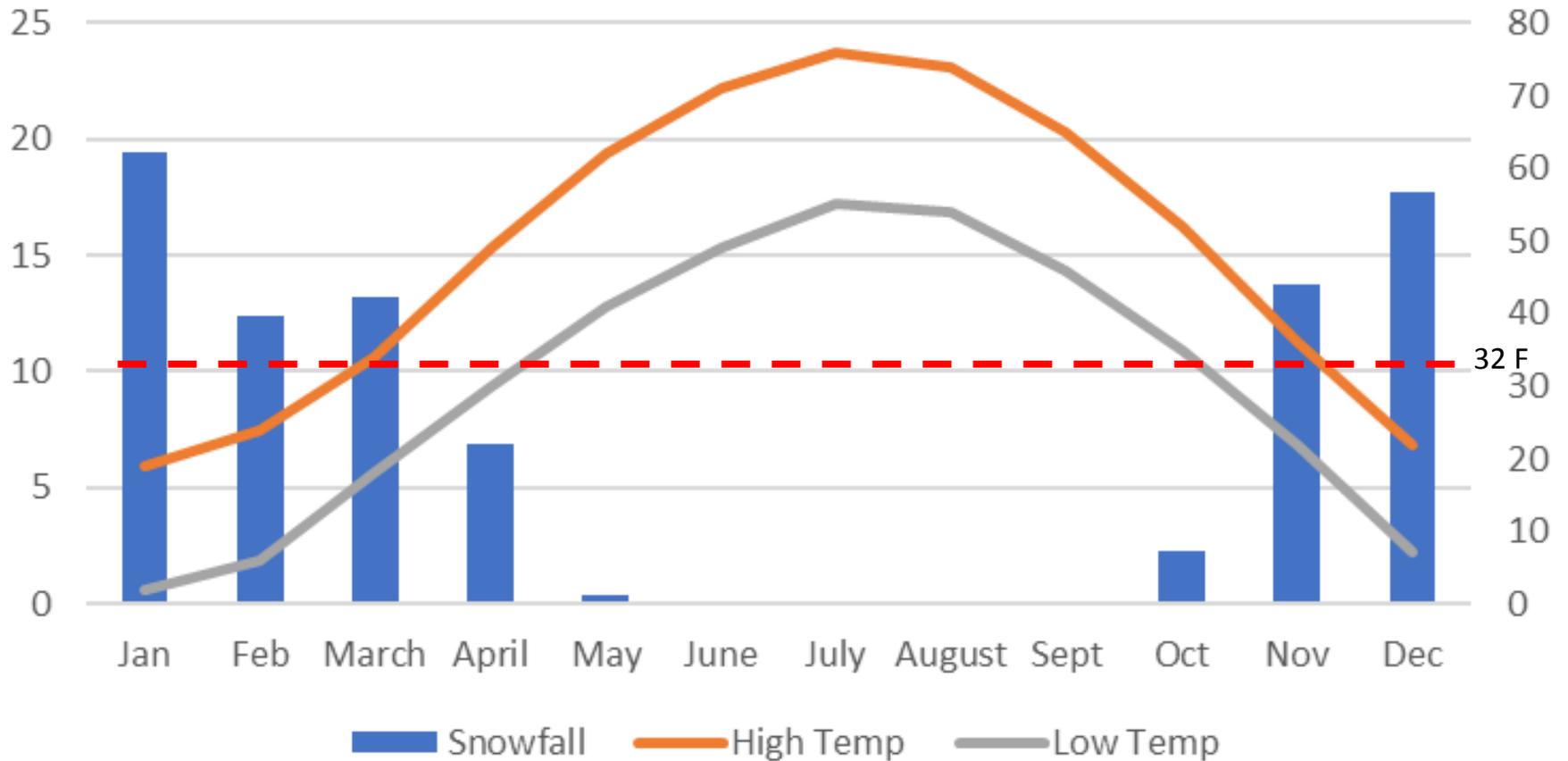


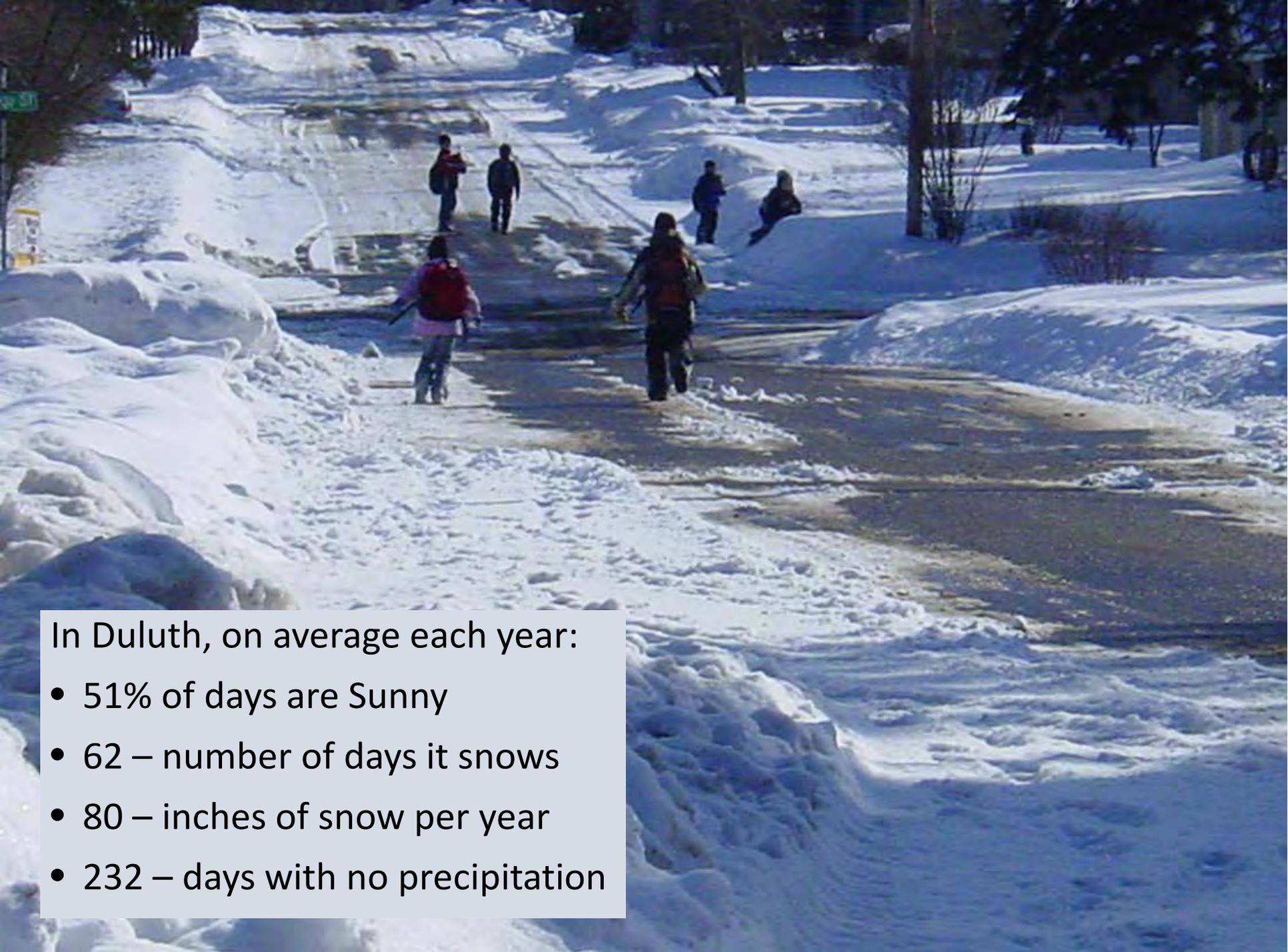




Snow Management

Duluth - Average Monthly Weather





In Duluth, on average each year:

- 51% of days are Sunny
- 62 – number of days it snows
- 80 – inches of snow per year
- 232 – days with no precipitation









Recommendation

- Goal – reliable walkway access (consistent & predictable)
- Presently – systemic Issues exist
- Observe – learn, try, evaluate, improve

1st Ave E & Superior St



1st Ave E & Superior St



Lake Ave & Superior St



London Rd/10th Ave & Superior St



1st St & 10th Ave E

Extended beyond bulbout



1st St & 10th Ave E extended beyond bulbout



Measuring progress

- % of sidewalk gaps filled
- Sidewalk condition
- ADA compliance
- Motorist Yielding Rates
- Pedestrian Crash Rates
- Level of use - ped volumes





Duluth-Superior Metropolitan Pedestrian Plan



dsmic.org/ped