

# Michigan Street Protected Bike Lane Demonstration Project

June 30 – August 4, 2017

TAC

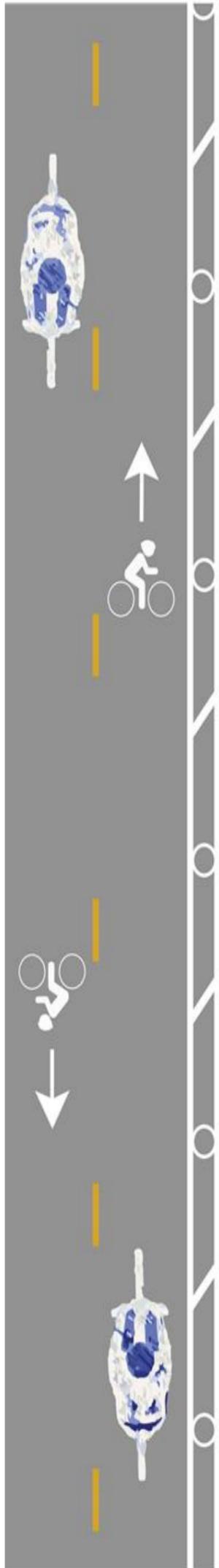
August 15, 2017

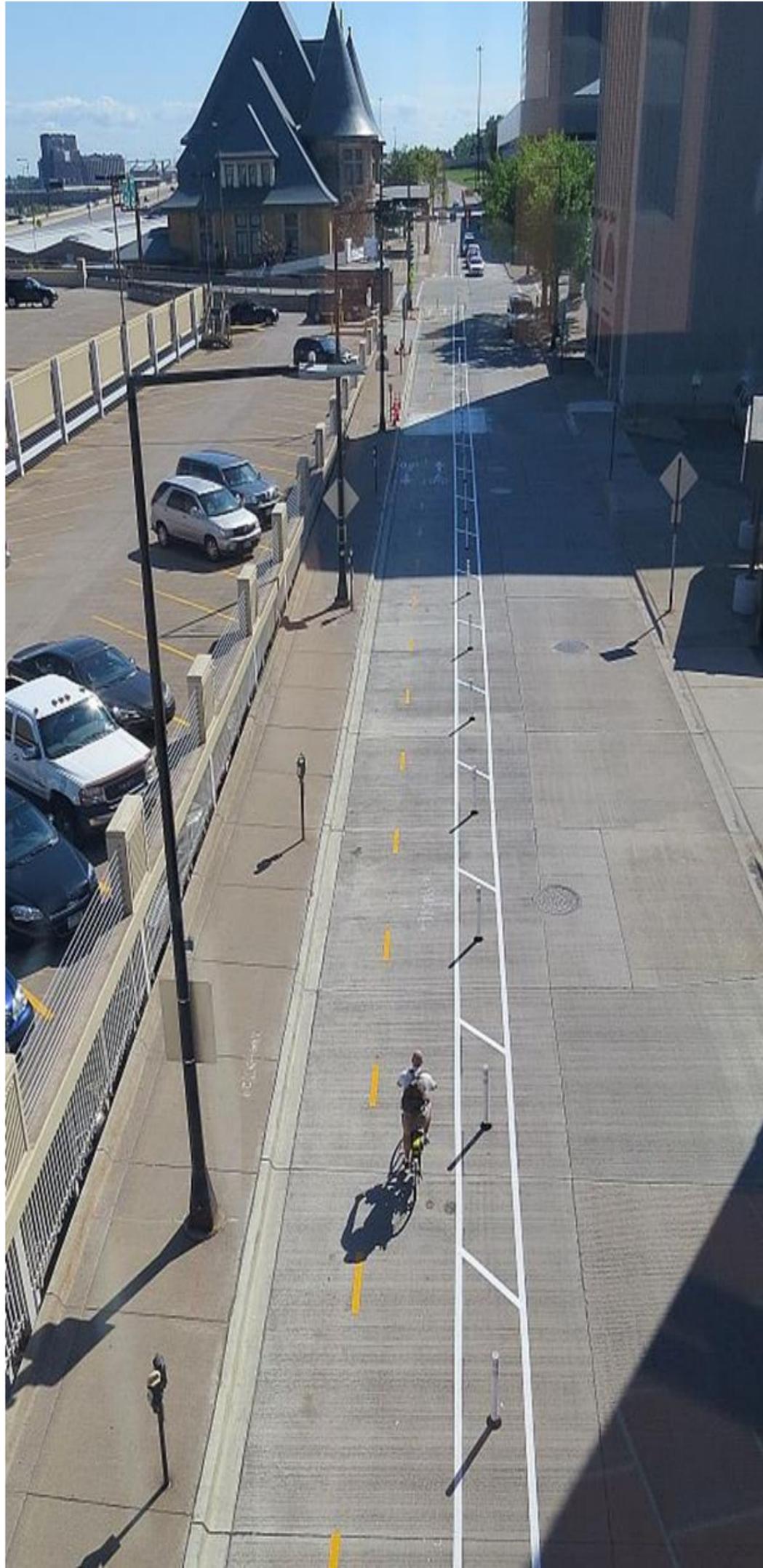


Blue Cross® and Blue Shield® of Minnesota and Blue Plus® are nonprofit independent licensees of the Blue Cross and Blue Shield Association



Funding for this project is provided in part by the Center for Prevention at Blue Cross and Blue Shield of Minnesota, as part of Blue Cross' long-term commitment to tackling the leading causes of preventable disease: tobacco use, lack of physical activity and unhealthy eating.







# PROJECT AREA

# CONNECTING THE GAP

- The new multi-modal Duluth Transportation Center (DTC)
- Cross City Trail Downtown Connector
- Library, Depot Museum and Arts Center (potential NLX station), several businesses and residences, parking ramps, Harbor City International School



# WHY A PROTECTED BIKE LANE?

Paper, Portland Office (now Bureau) of Transportation, 2006



Local Phone Survey, City of Portland, 2011



National Study, Portland State University / Transportation Research Board, 2013



Strong & Fearless

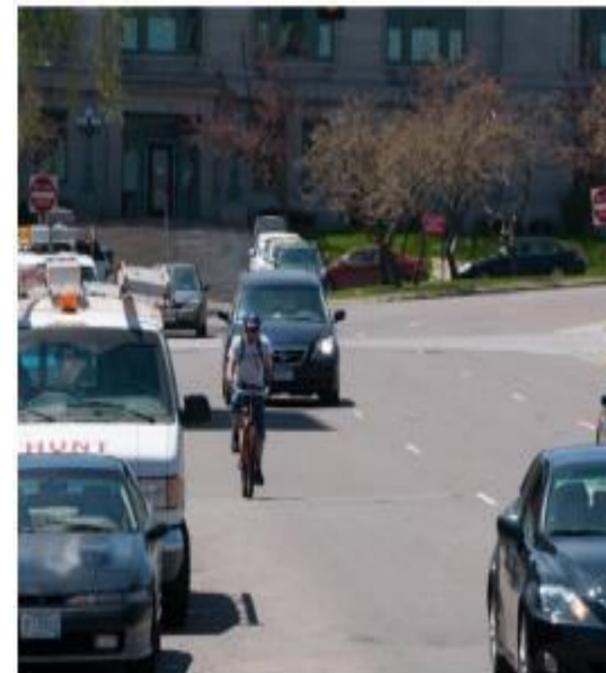
Enthused & Confident



High Stress

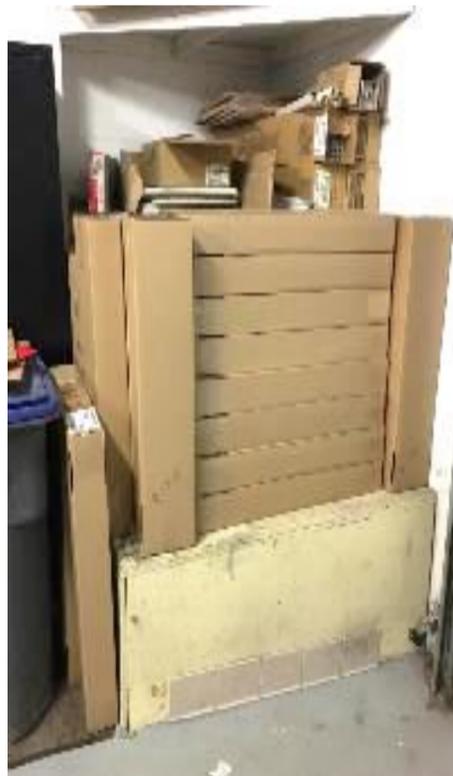
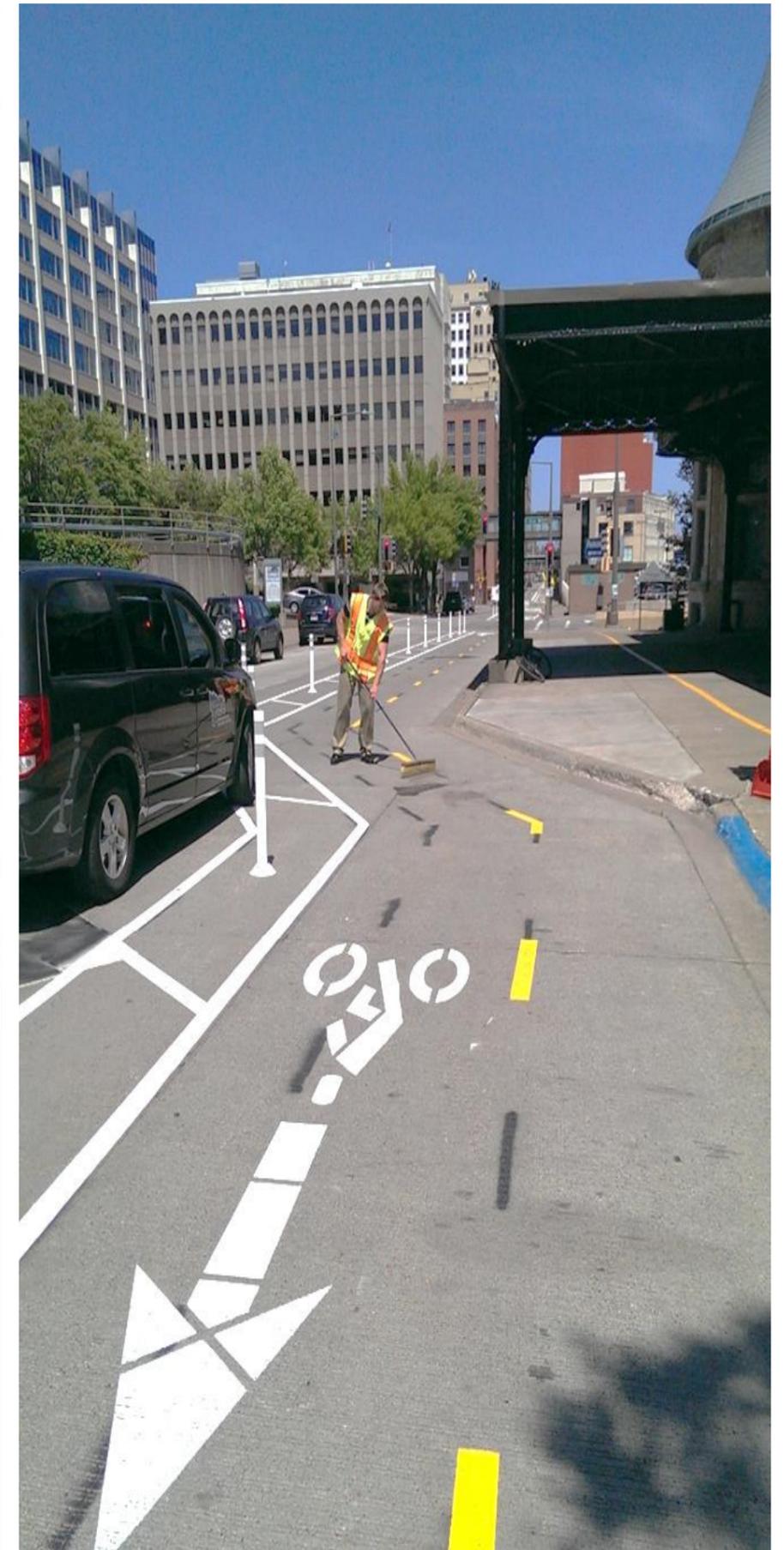
Level of Traffic Stress Tolerance

Low Stress



# INSTALLATION

- Duluth Public Works Dept.
- June 30<sup>th</sup> & July 3<sup>rd</sup>
- 19 parking spaces removed
- Nearly 100 pylons and adhesive pads, 3300 Ft of striping tape, green paint, several signs, and a bike traffic signal



# PROJECT SIGNAGE

- Project info
- Link to Survey
- Factoids/Stats



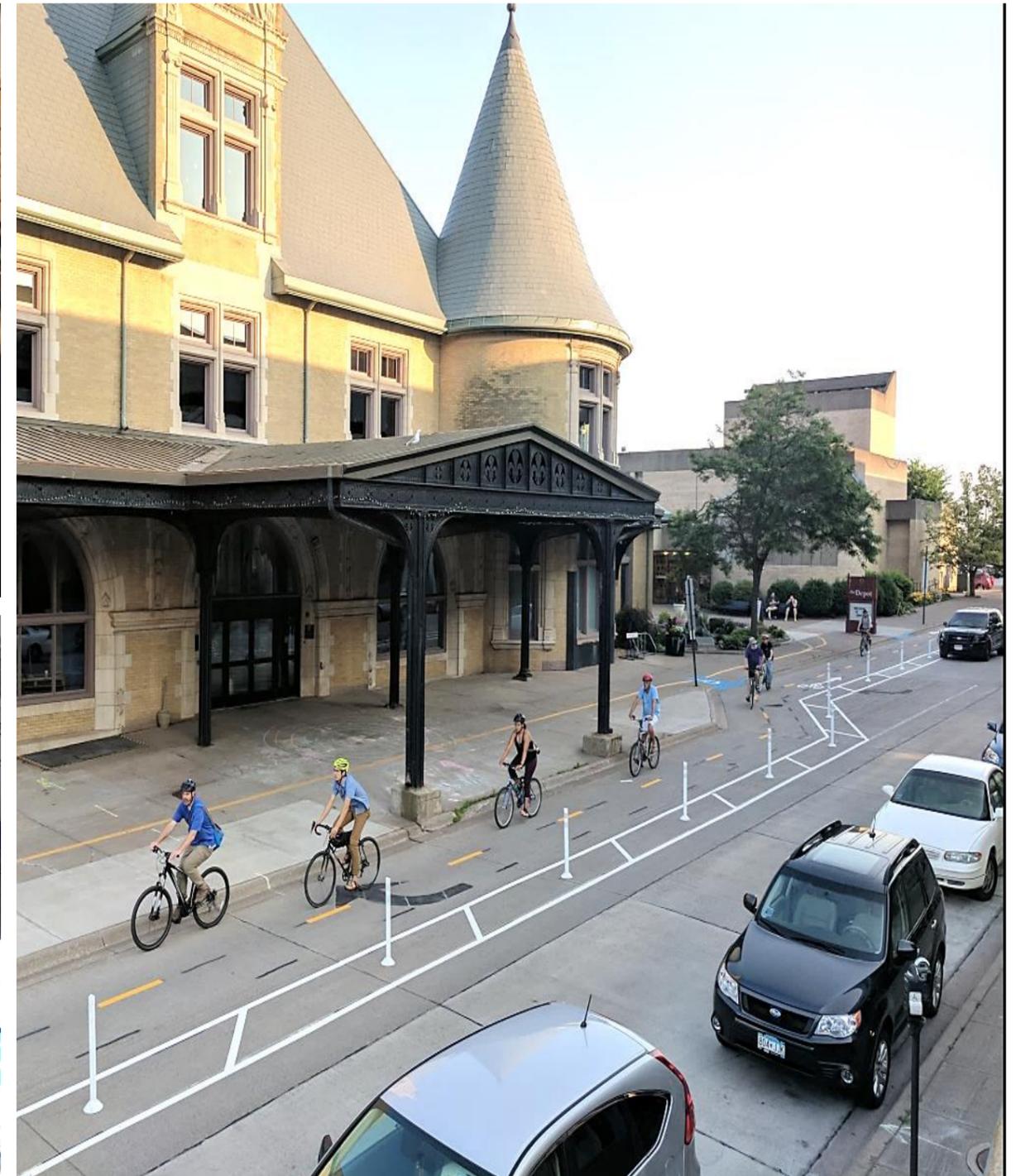
# EVENTS

- June 30<sup>th</sup> – Opening with Ambassadors
- July 11<sup>th</sup> Media Event at the DTC
- July 12-14 – Sidewalk Days Guided Rides W/YMCA Bike Fleet
- July 18<sup>th</sup> – Walking Workshop (w/Toole Design - 1:30pm & 4:00pm)



# EVENTS

- July 20th – CAD Bikes Plus Tour
- Food Truck Fridays at the Library



# MEDIA ATTENTION

**FOX21 LOCAL NEWS** NEWS WEATHER SPORTS LINKS

FOX21 Features Business Community Crime Health Politics Submit A News Tip ABOUT US

**Trump tweets he is naming Homeland Security Secretary John Kelly as Chief of Staff**  
Trump says he is naming John Kelly as his new chief of staff.

**City Testing New Bike Lanes**  
Test of Protected Lanes Runs Through July

July 12, 2017 by Greg Chandler



DULUTH, Minn. — The city recently opened new bike lanes on Michigan Street downtown and leaders are looking for input.

These protected bike lanes are the first of their kind in the city. Traffic flows both east and west separated from vehicular traffic by pylons.

**StarTribune**

Home Local Sports Business Opinion Variety Obituaries Classifieds Auto

Trump shrugs 'can't have everything' as health bill flops

North Korea 2nd ICBM test of US in range: experts

**Duluth project puts protected bike lane on training wheels**

By Mark Brunswick | JULY 8, 2017 — 2:55PM



The Duluth-Superior Metropolitan Interstate Council in Duluth created and is testing a dedicated bike lane that runs for three blocks.

**10/13 abc EYEWITNESS NEWS**

LIVESTREAM NEWS LOCAL WEATHER SPORTS GMN LIVECAMS ENTERTAINMENT GUIDE ABOUT US

QUICK LINKS: SCHOOL ALERT | THIS WEEK IN MINING | TV SCHEDULE | CONTESTS | LINKS | Me-TV

**Protected Bike Lane Demonstration Project Opens on Michigan Street**

Protected Bike Lanes Going up in Downtown Duluth



wdio.com

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**Trump tweets he is naming Homeland Security Secretary John Kelly as Chief of Staff**  
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**Experimental Bike Lane Opens in Downtown Duluth**

July 5, 2017 by William Seay



DULUTH, Minn. —

The City of Duluth is experimenting with a bike lane, downtown on Michigan Street.

The protected bike lane is part of a demonstration by the Duluth-Superior Metropolitan Interstate Council.

The path has two lanes and runs three blocks on Michigan Street near the Transportation Depot.

38 PM  
Demonstration for Duluth's first-ever on-street protected bike lane is now on Michigan Street downtown.  
The protected bike lane are identified by green markers beginning on Michigan Street and stretches for about a half-mile down to 3rd Avenue West.  
The Duluth-Superior Metropolitan Interstate Council says it's been a

**Duluth News Tribune**  
CONNECTED • ENGAGED • ENTRUSTED

NEWS BUSINESS SPORTS FEATURES MILESTONES

**Trump replaces chief of staff**

**Bike lane test underway in downtown Duluth**

By Brady Slater on Jul 4, 2017 at 2:00 p.m.

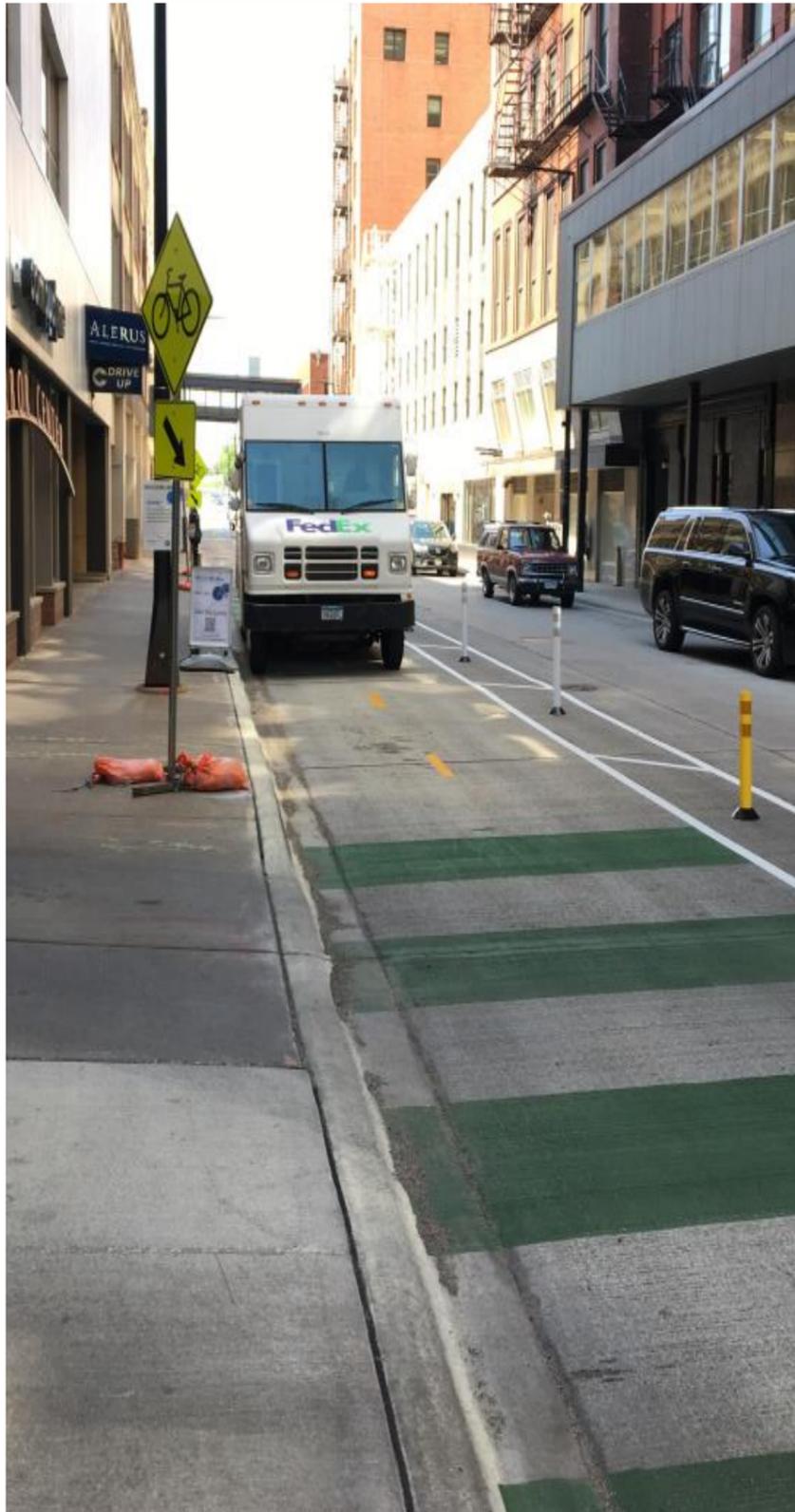
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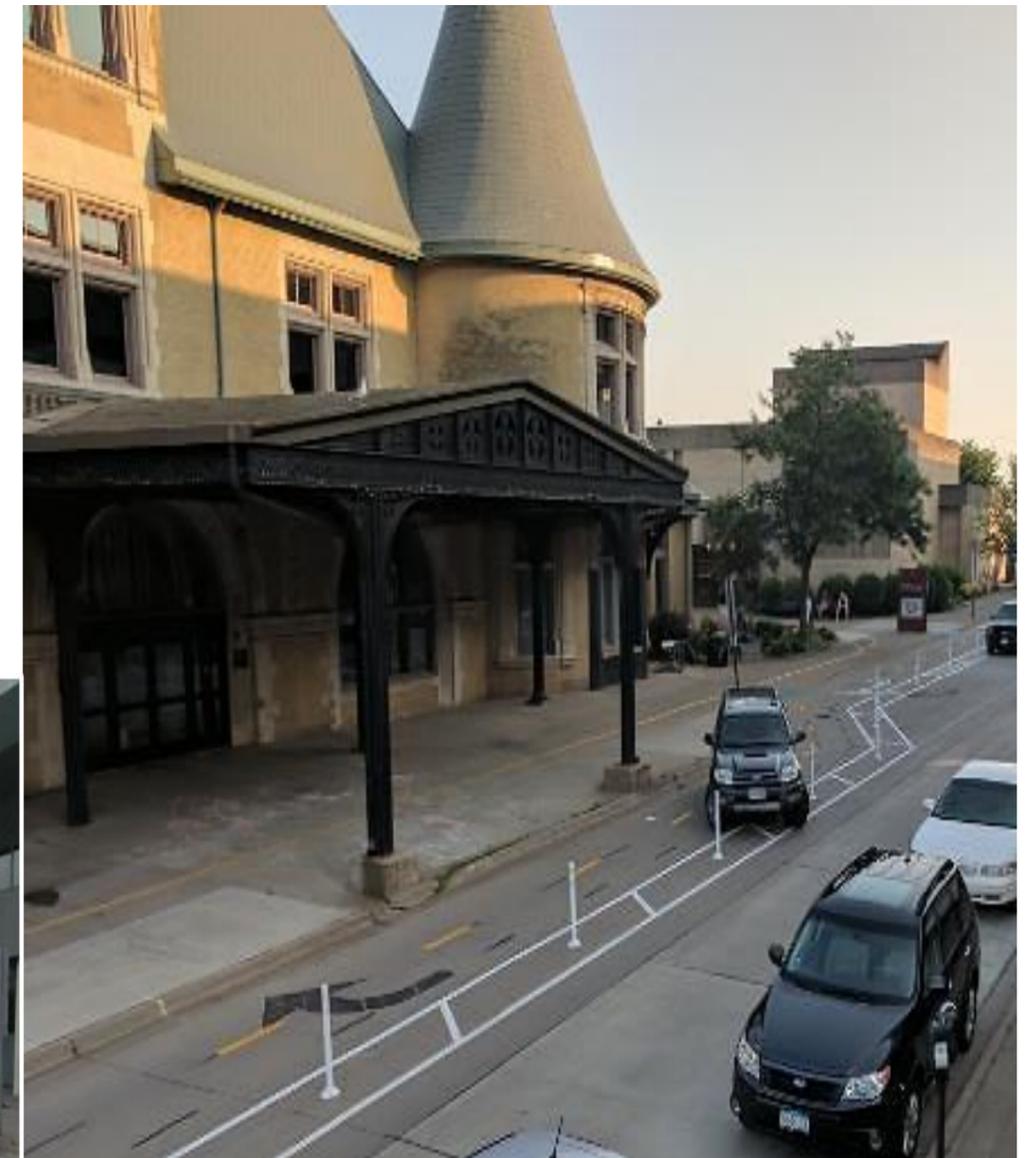
2 / 3 Sandy and Dale Bastyr of Lonsdale ride the new bike lanes on Michigan Street between Third and Fourth avenues west Monday morning. They were riding around the Canal Park and downtown area taking in the sights. Bob King / rking@duluthnews.com

As a cyclist whizzed by Chris Belden on the new and experimental bike lane covering three blocks of downtown Michigan Street on Monday, the transportation planner sought a quick survey question of what was the morning's sixth two-wheel commuter.

# DATA COLLECTION & OBSERVATIONS



# DATA COLLECTION & OBSERVATIONS



# FEEDBACK

- Survey
- Events
- Users
- Businesses

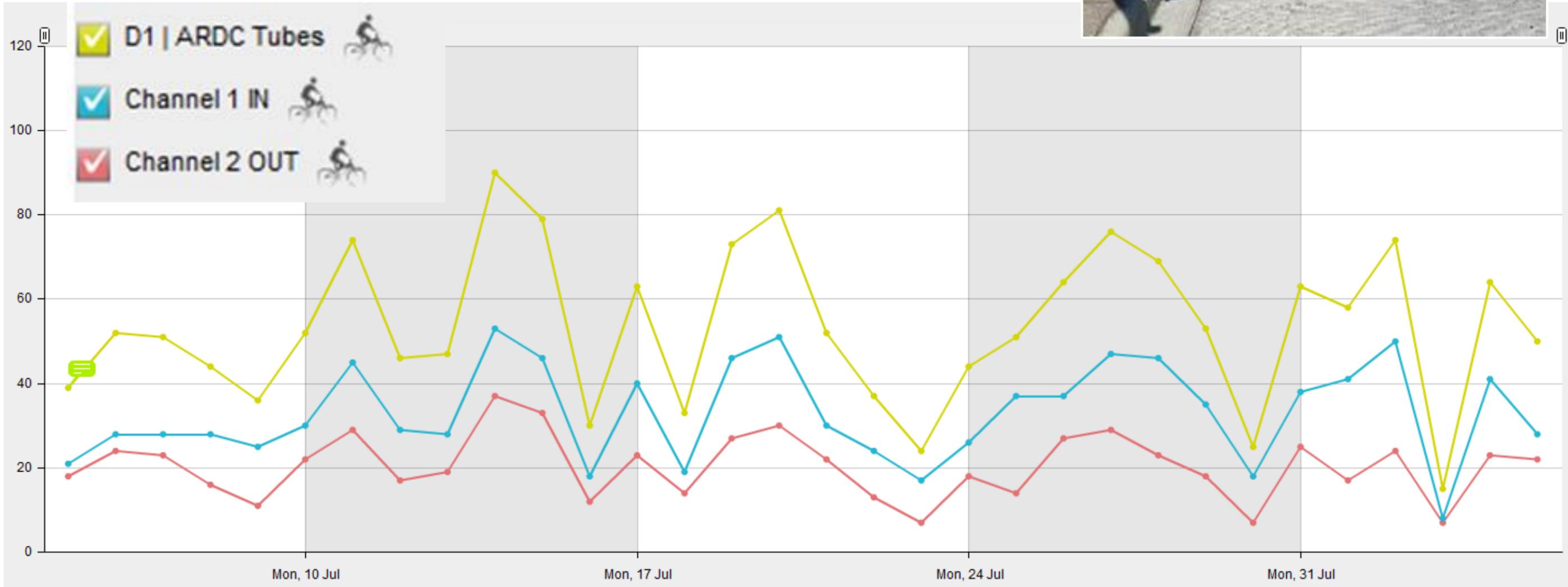


# DATA COLLECTION & OBSERVATIONS

- Eco-Counter Tubes – 24hr
- Daily walk-thru
- Turning Movement Count at 4<sup>th</sup> Ave W
- DTC camera – 2 day count
- Manual 6hr Bicycle Count – July 25

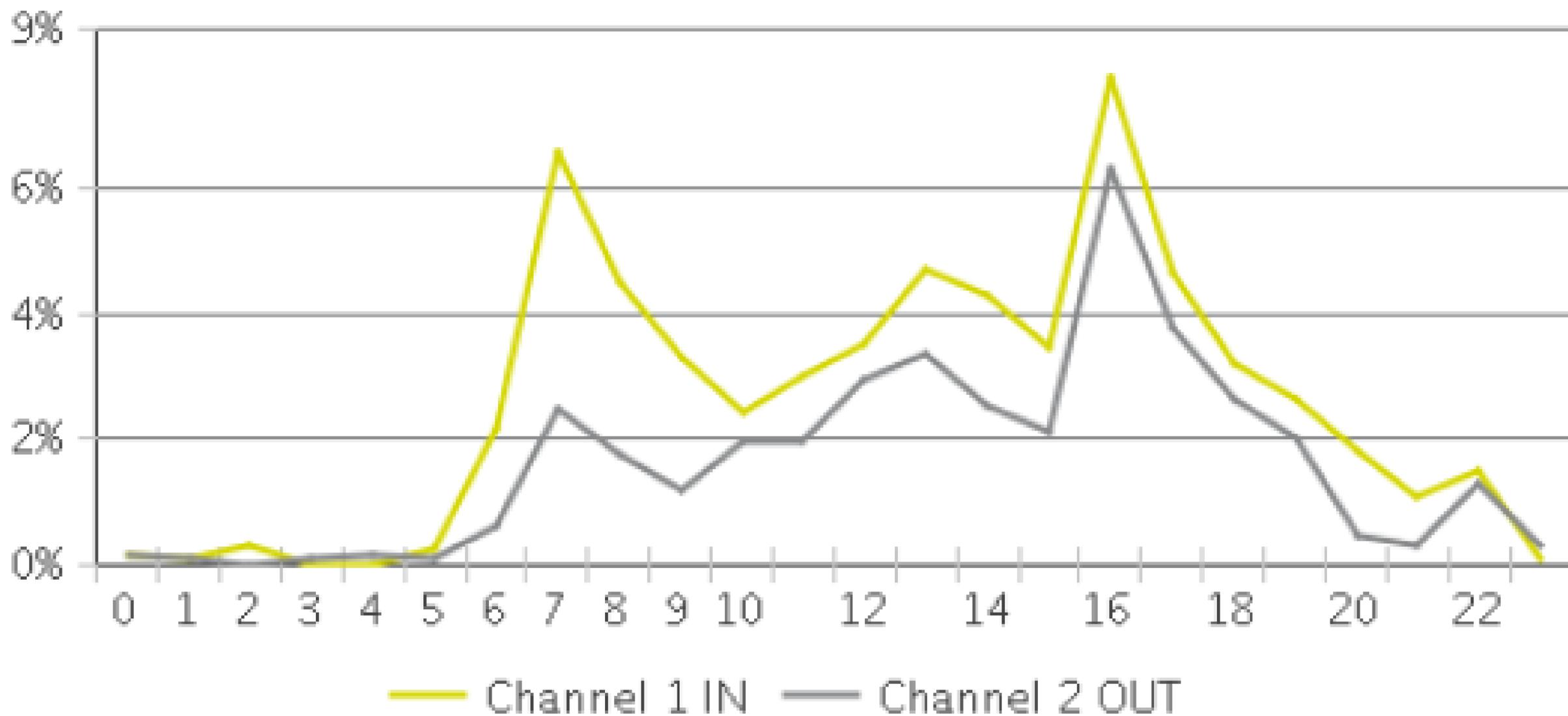


# BICYCLE COUNTS



# BICYCLE COUNTS

## Hourly Profile during Weekdays

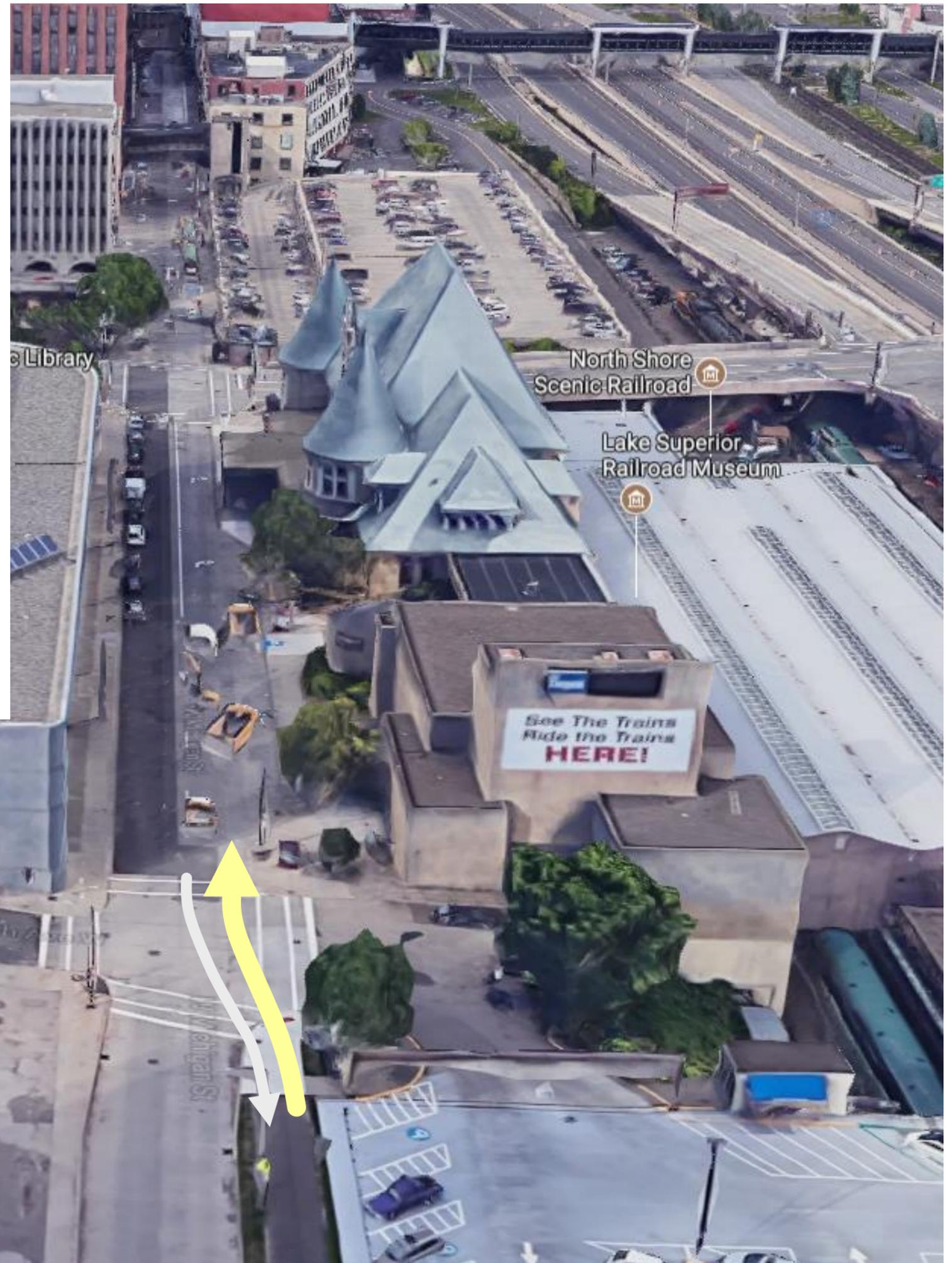
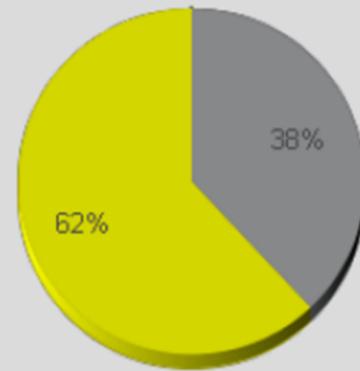


## Key Figures

- Total Traffic for the Period Analyzed: 1,732
- Daily Average: 52  
Weekdays: 58 / Weekend days: 40
- Busiest Day of the Week: Friday
- Busiest Days of the Period Analyzed:
  1. Friday, July 14, 2017 (90)
  2. Thursday, July 20, 2017 (81)
  3. Saturday, July 15, 2017 (79)
- Distribution by Direction:

■ IN: 62%

■ OUT: 38%



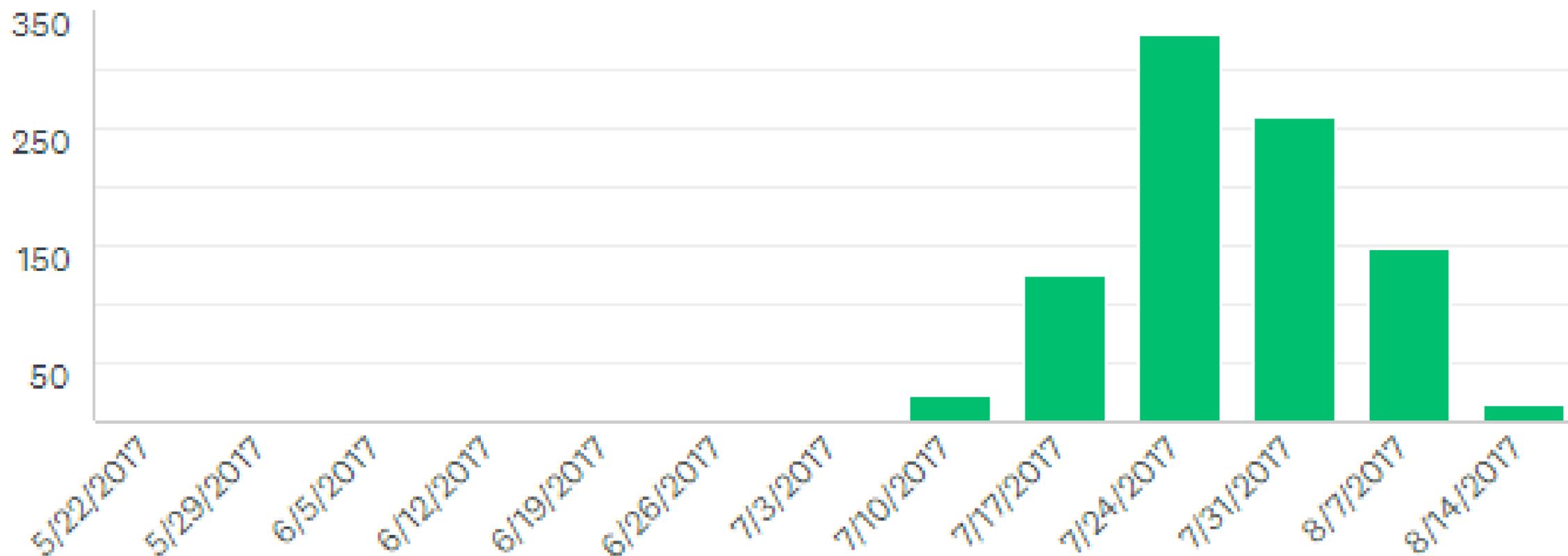
# SURVEY RESPONSE VOLUME

Online Survey – 735

Paper Survey – 147

Comment Forms – 50+

5/22/2017 - 8/14/2017



# NEXT STEPS

- Review and summarize feedback and survey results
- Final Report
- Duluth's decision on whether or not to install a facility in the future



# INITIAL TAKE-AWAYS



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