

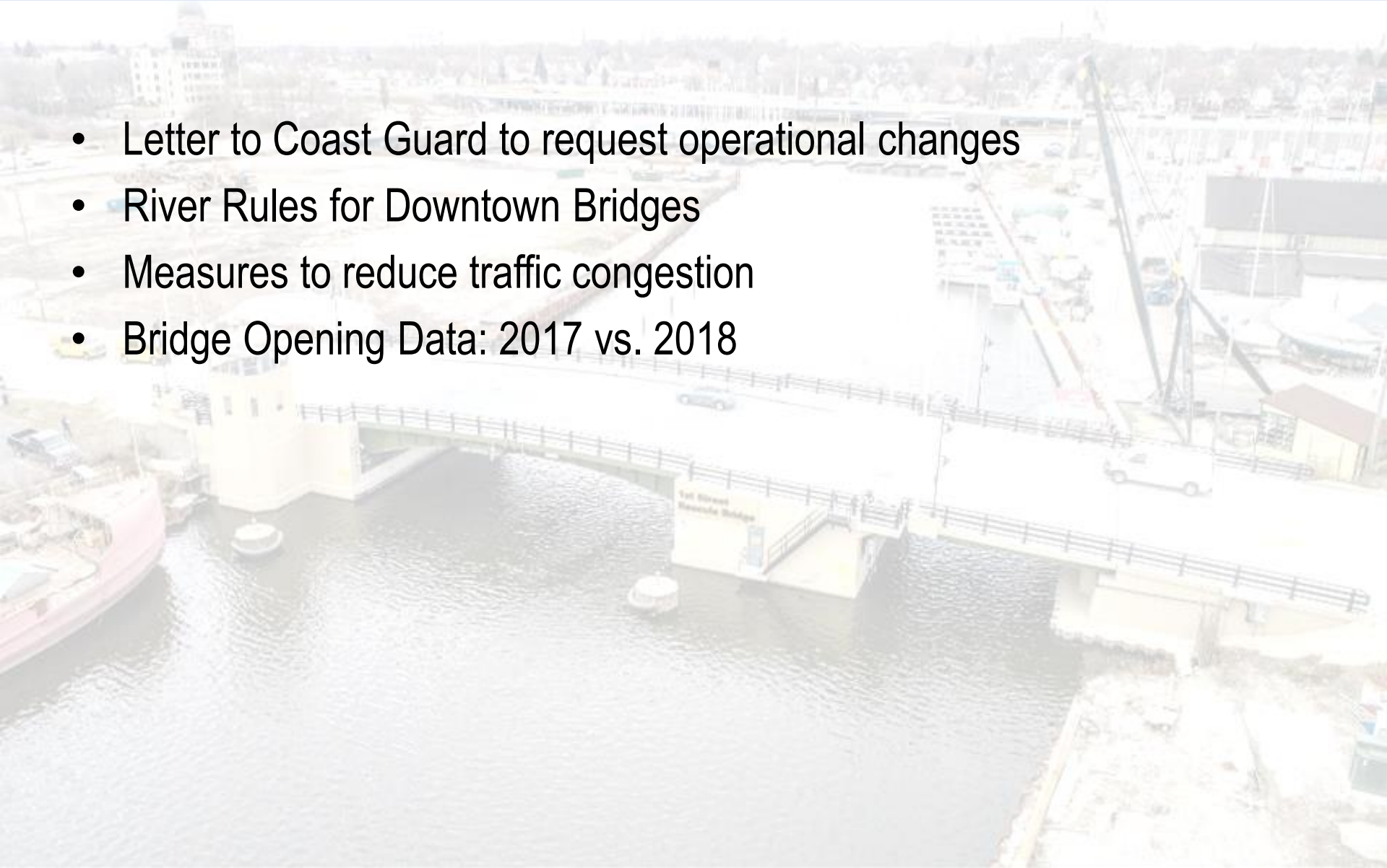
City of Milwaukee – Department of Public Works

Movable Bridge Operations



Agenda

- Letter to Coast Guard to request operational changes
- River Rules for Downtown Bridges
- Measures to reduce traffic congestion
- Bridge Opening Data: 2017 vs. 2018



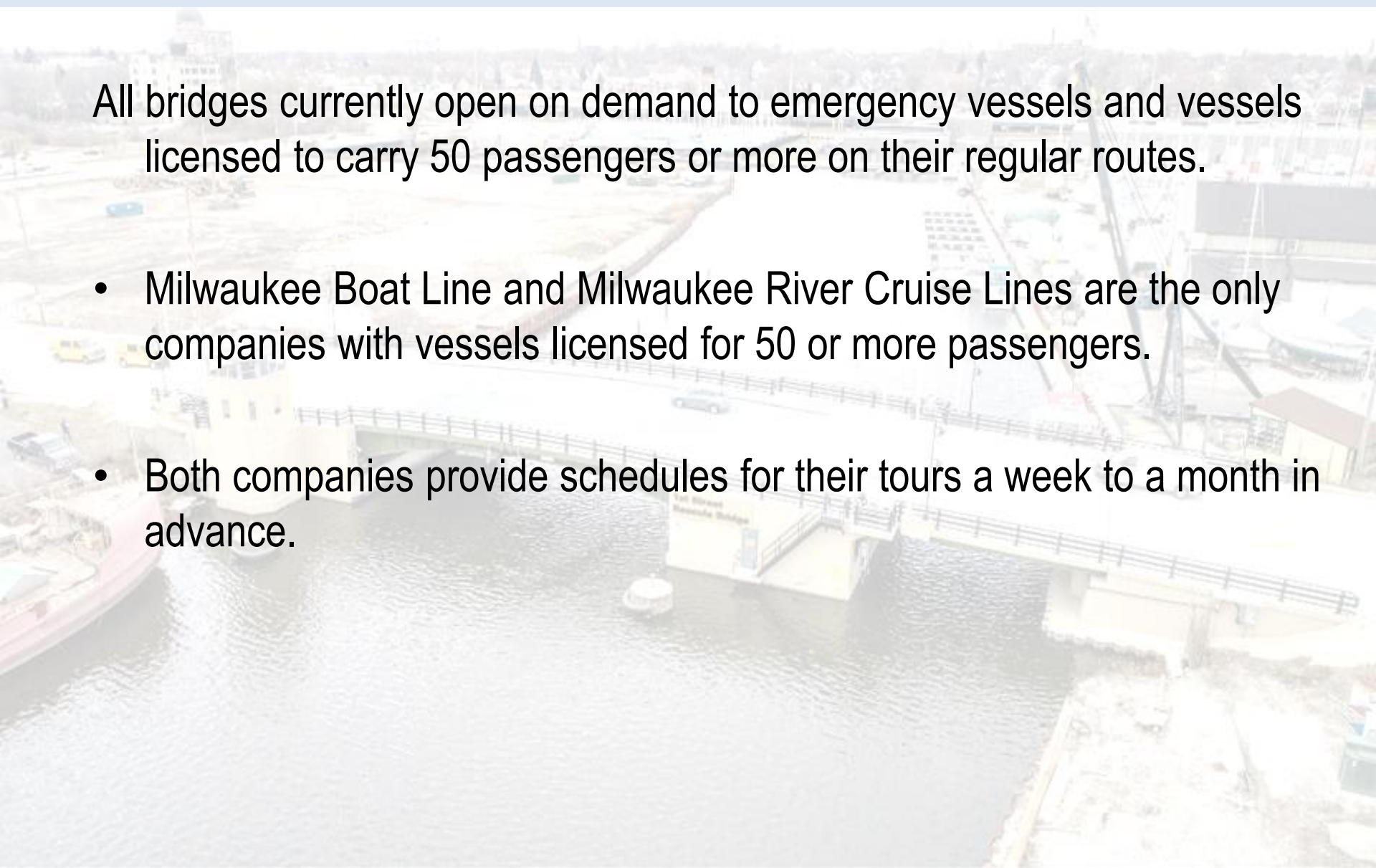
Letter to Coast Guard

- Coast Guard received documentation from DPW for regulation changes January 2019
 - Coast Guard will ask for feedback from key stakeholders and interested parties.
 - Coast Guard would be willing to meet with Public Works Committee to answer specific questions.
- Changes requested in the Coast Guard regulations.
 1. DPW-Traffic Engineering conducted a traffic study.
 - Suggested expanding afternoon bridge hours to 4:00 pm to 5:30 pm.
 2. Broadway, Water, Michigan and Kinnickinnic are currently on demand, 24 hours a day.
 - Request a two-hour notice between 11:00 pm and 7:00 am for these structures.
 - Allows DPW to reduce third-shift staffing.
 - Allows DPW to move additional staff to first and second shift for better operational efficiencies.

River Rules for Downtown Bridges

All bridges currently open on demand to emergency vessels and vessels licensed to carry 50 passengers or more on their regular routes.

- Milwaukee Boat Line and Milwaukee River Cruise Lines are the only companies with vessels licensed for 50 or more passengers.
- Both companies provide schedules for their tours a week to a month in advance.



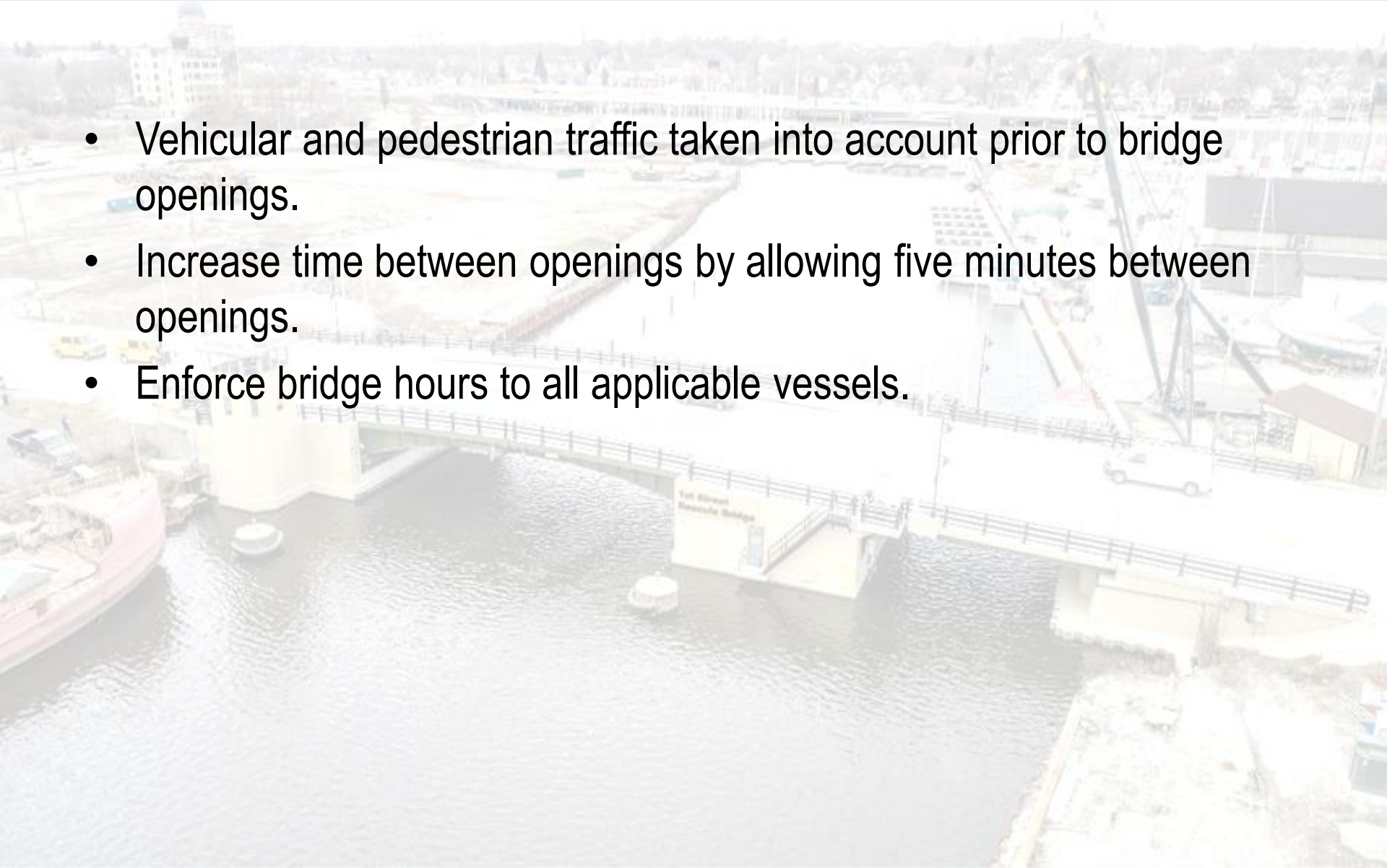
River Rules for Downtown Bridges

All other boats are subject to Coast Guard regulations:

- Bridges do not open between 7:30 am and 8:30 am, and between 4:30 pm and 5:30 pm on weekdays (bridge hours).
- Broadway, Water Street, Michigan Street and Plankinton Avenue are on demand.
- All other bridges in the downtown area require a two-hour notice.

Measures to Reduce Traffic Congestion

- Vehicular and pedestrian traffic taken into account prior to bridge openings.
- Increase time between openings by allowing five minutes between openings.
- Enforce bridge hours to all applicable vessels.



Number of Openings

Bridge	2017	2018*
Michigan Street	3,559	3,549
Wisconsin Avenue	3,649	3,337
<i>Wells Street</i>	3,305	*
Broadway	3,073	3,072
Water Street	3,096	2,963
Clybourn Avenue	1,876	2,032
St. Paul Avenue	1,712	2,030
Kilbourn Avenue	680	1,087
State Street	635	979
Kinnickinnic Avenue	1,043	951
<i>1st Street</i>	276	*
Plankinton Avenue	226	216
Remaining Eight Bridges	114	271
Totals	23,244	20,216

Wells Street and 1st Street were under rehabilitation in 2018, therefore the numbers for the two bridges were excluded for comparison.

Using the 2017 numbers for Wells Street and 1st Street in 2018, the projected 2018 counts would have been **24,068** (824 more openings).

Number of Openings

Reasons for greater number of openings

- Increased River Usage, especially early in the season.
 - Commercial Boat Owners noted increased bookings.
 - Broadway, Water, St. Paul and Clybourn, May and June only
 - 2017: 2,775 openings
 - 2018: 3,345 openings
- Milwaukee River Cruise Lines boarded at Highland due to Wells Street rehabilitation.
 - Dock at Pier 106 was unavailable.
 - Needed openings at Kilbourn Avenue and State Street.
- Work barge traversing upriver north of Highland Avenue (Ogden Real Estate).