



Snow Plowing and Accessibility



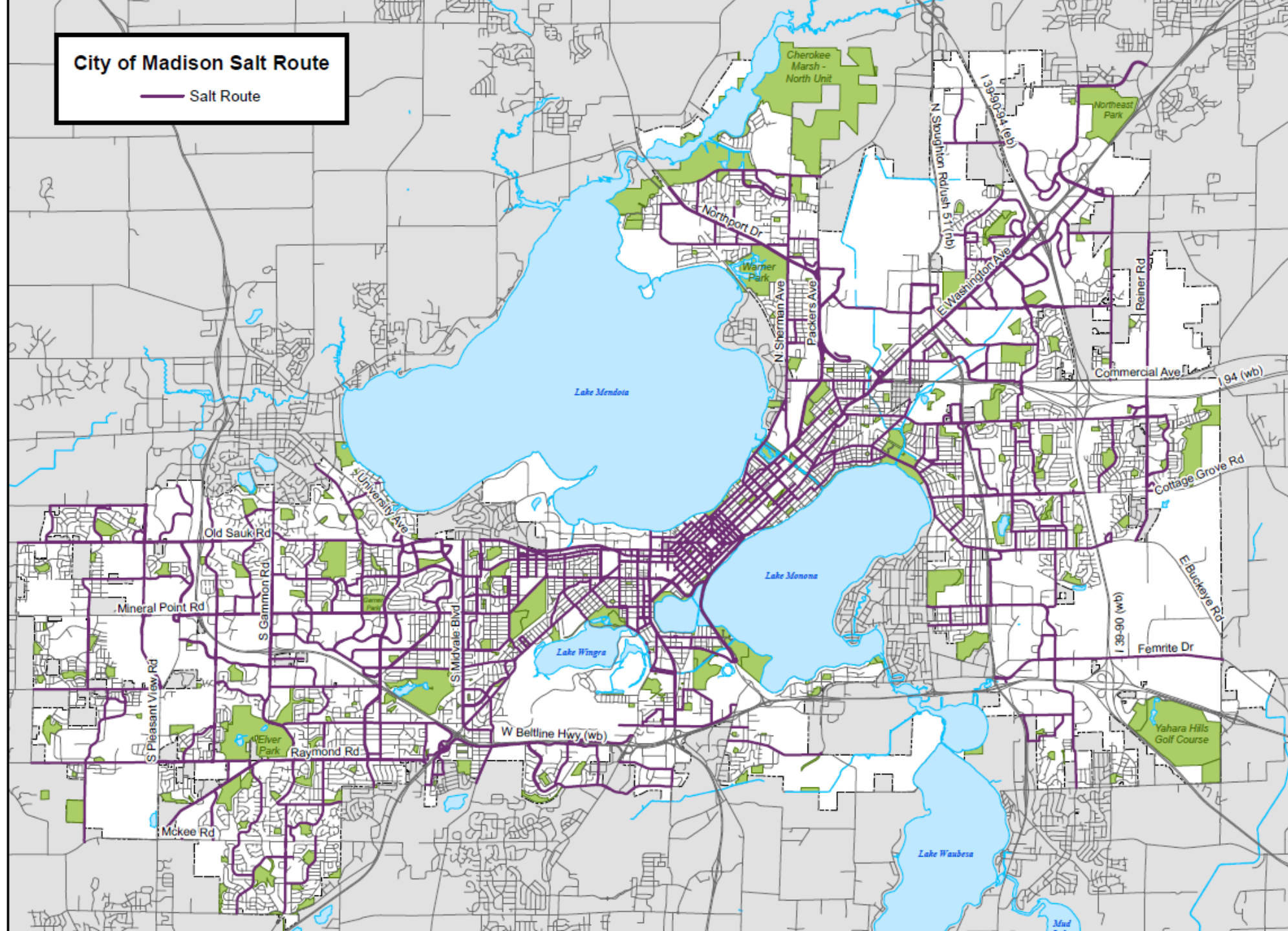
Salt Route Deployment

- Whenever snow sticks to the roads, plows are sent out to the salt routes.
- 32 plow trucks cycle through 32 salt routes during active snowstorms
- Plow & salt main thoroughfares as needed.
- Salt routes total roughly 800 miles of traffic lanes



Salt Route Map

- 32 trucks are dispatched.
- Takes one truck about 3 hours to complete a single lap through their assigned section.



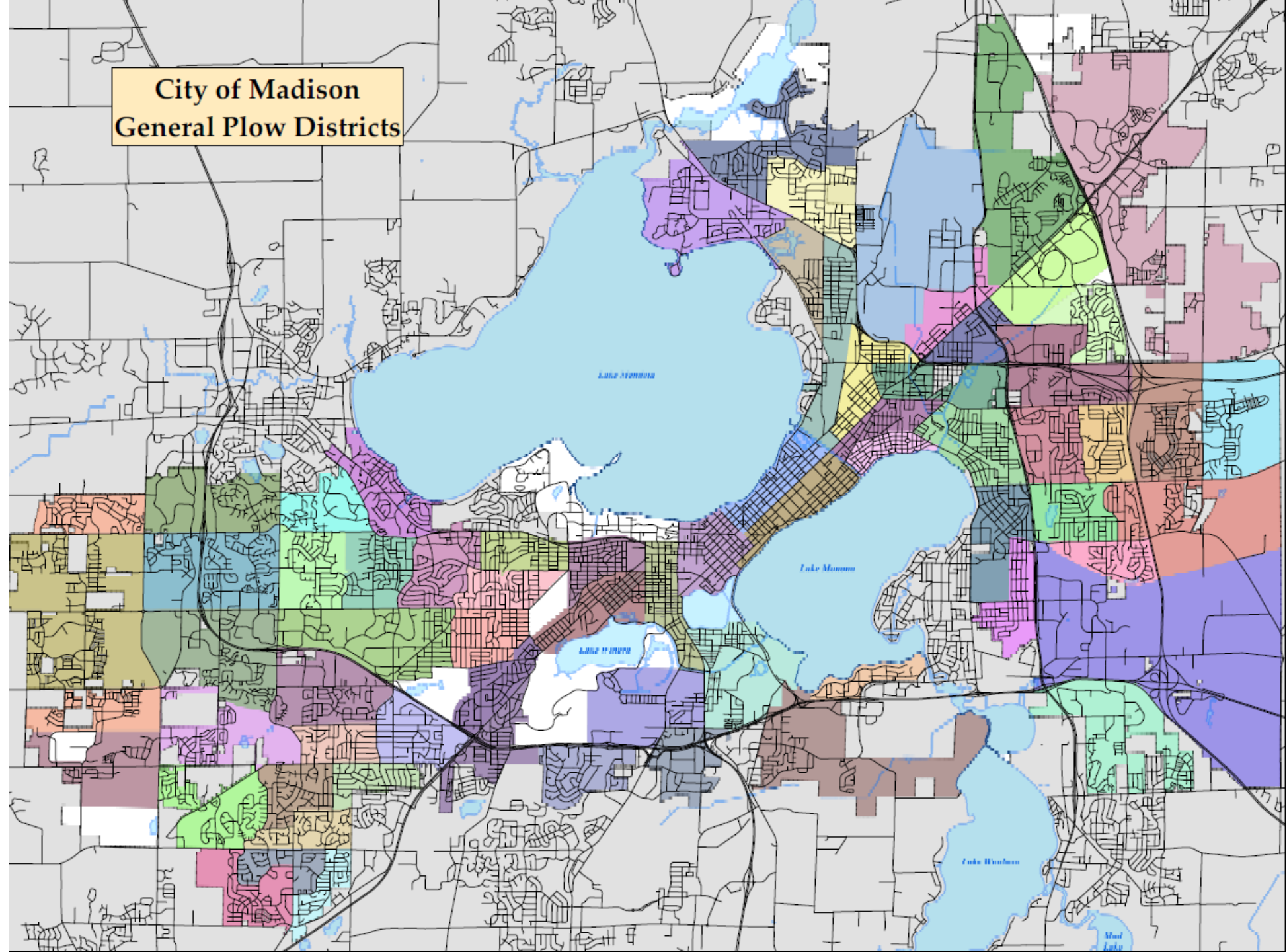
Citywide Plowing Deployment

- When 3 or more inches of snow has accumulated on the roads & the storm is at or near its end.
- Approximately 150 vehicles
 - Streets, Parks, Engineering
 - Private heavy-equipment contractors
- 12-14 hours to plow initial pass
- Roughly 1,800 miles of traffic lanes to plow
- Deployment includes routes for sidewalks, bus stops, etc.



Citywide Plowing Zones

- Plowing divided into over 60 zones.
- Equipment from city & heavy equipment contractors assigned to each zone.
- Plowing all starts at the same time. No one is assigned to be first or last.



Sidewalk, Path, Bus Stop Deployment

- 3 Agencies involved
 - Streets, Parks, Engineering
- Deployed to push snow from assigned areas in accordance with city ordinance about when to shovel sidewalks.
- Can take multiple days to widen areas fully.



Sidewalks, Paths, and Bus Stops by the Numbers



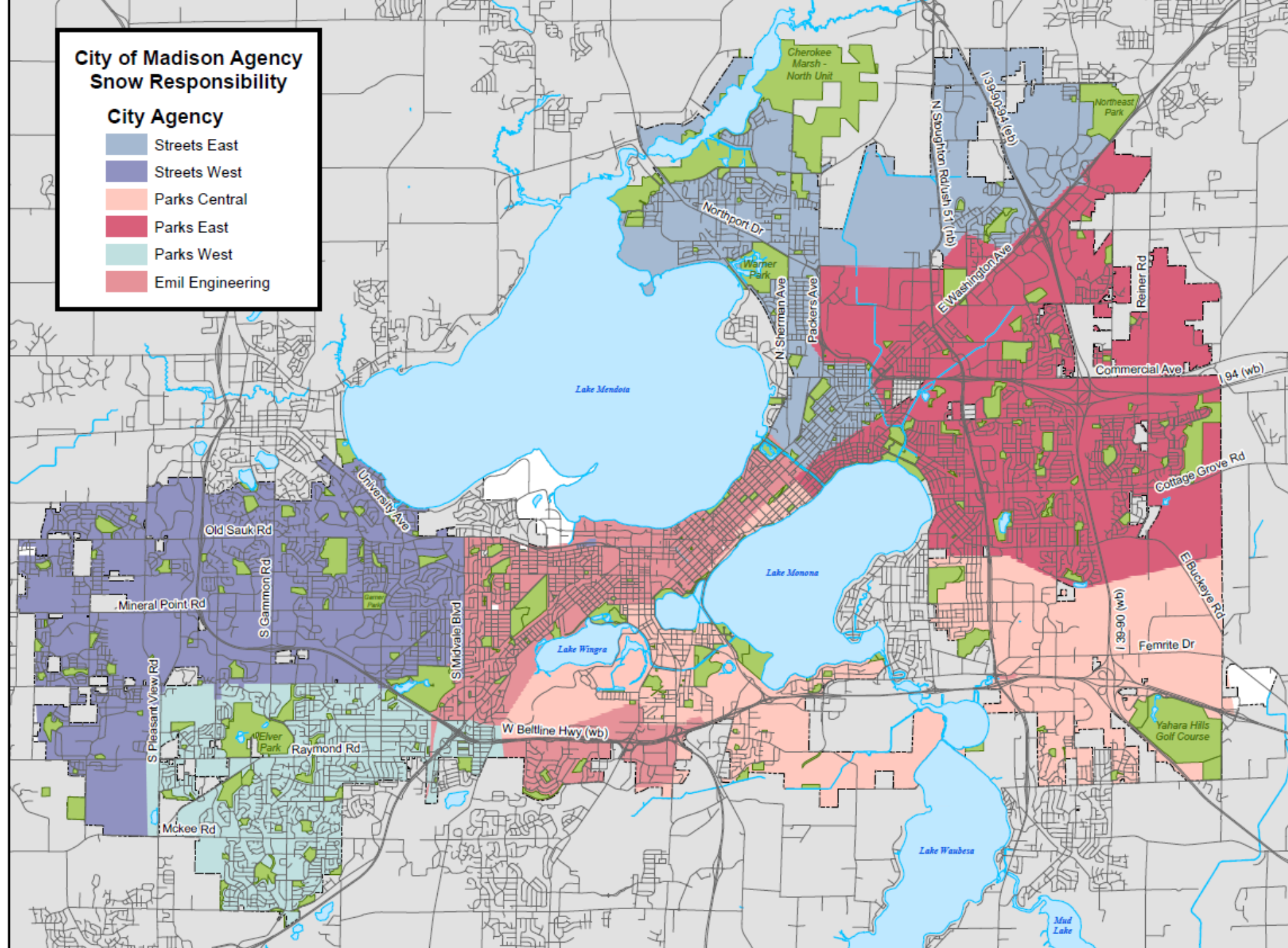
- 209.1 combined miles of sidewalks and paths
- Approximately 1,100 bus stops
- 57 city facility parking lots
- Minimum 70 staff members across three agencies

Numbers **do not** include the State Street Mall/Concourse that removes snow from the sidewalks for State Street and the capitol square area & the Traffic Engineering maintenance of their parking structures.

BRT bus stations are maintained by a contractor hired by Madison Metro.

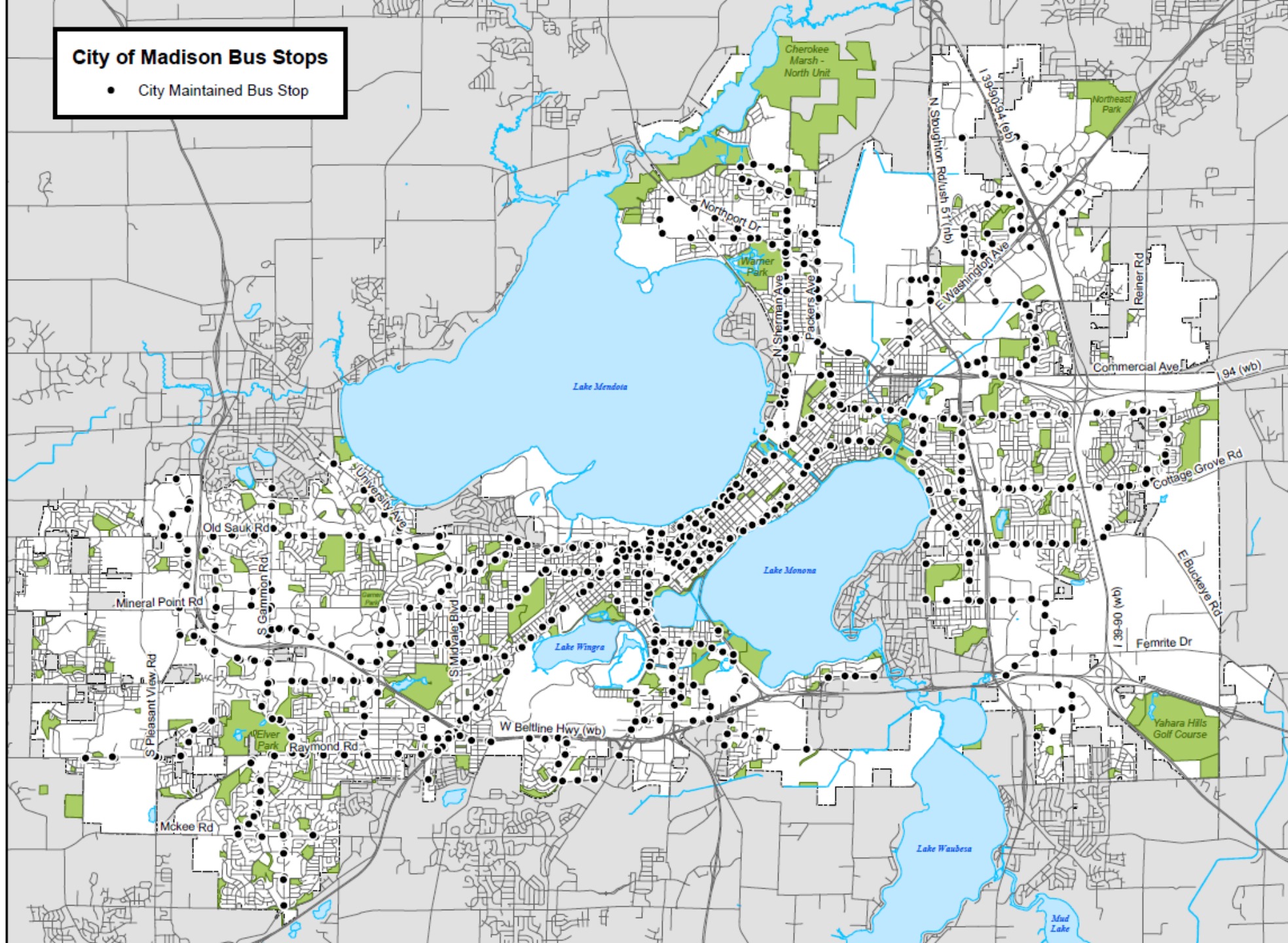
Agency Sector Map for Bus Stops, Paths, Etc.

Responsibility for city-maintained sidewalks, bus stops, and paths depends on location and which agency is assigned to cover that area (for the most part)



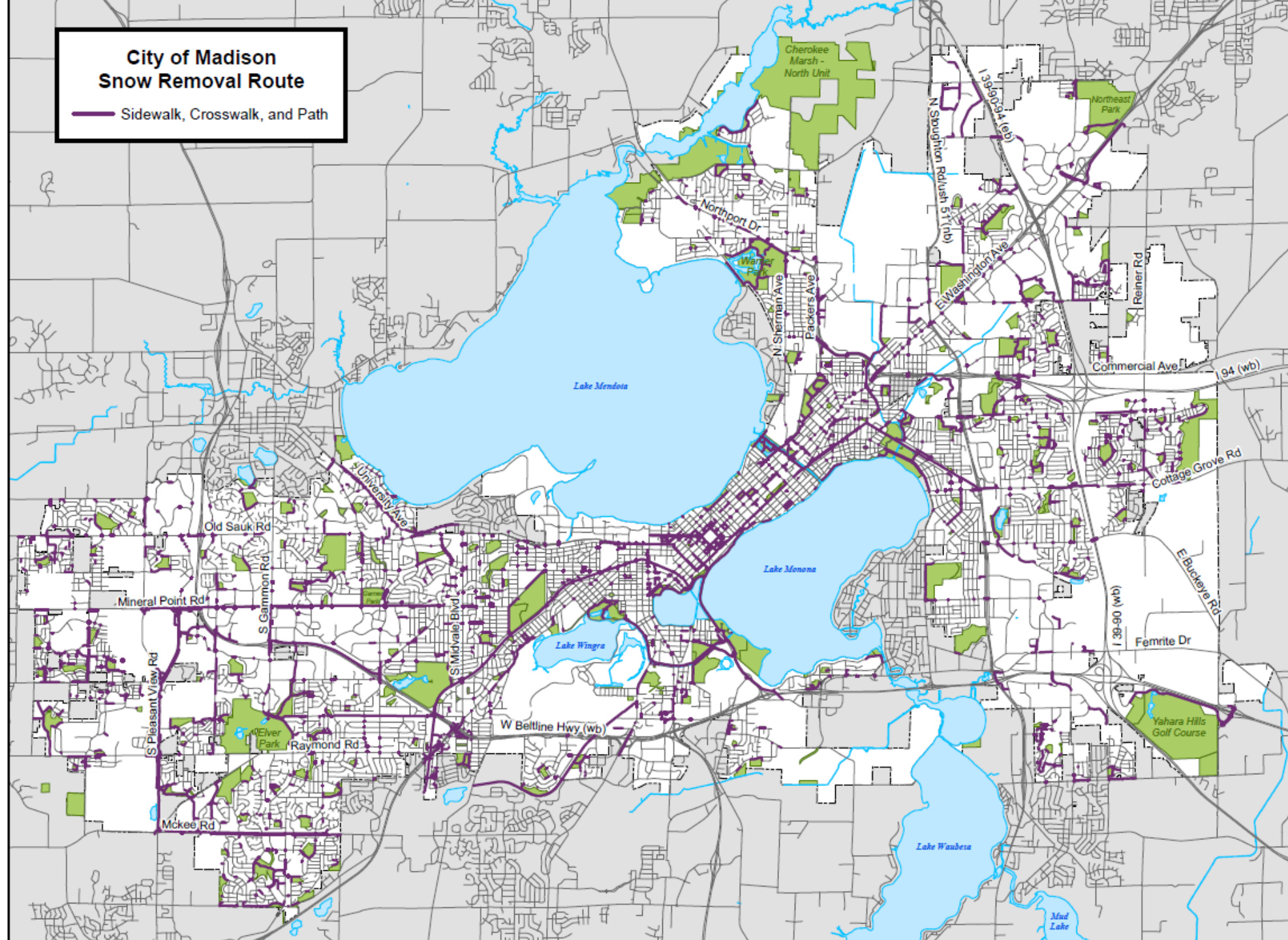
Bus Stop Map

Each dot is a signed bus stop maintained by a City of Madison agency.



Combined Sidewalk / Path Map

Purple lines indicate the sidewalks, paths, etc. maintained by Engineering, Parks, and Streets.



Other Accessibility Work by Streets Division

- **School crosswalks**
 - Separate from sidewalk routes
 - Performed by regular duty crews (day or night shift)
- **Hand shoveling**
 - Certain islands or “crossovers” too narrow for our snowplowing vehicles
- **Other crosswalks as needed**
 - Clearing out windrows blocking ramps and corners for snow storage.
 - Can take 3 weeks to check each crosswalk approach.
- **Sand locations**
 - 275 sand barrels (primarily near school crosswalks)
 - 14 sand sites



Other Work Does Not Stop

- For Streets: trash, recycling, and large item pickup is expected to continue during & after most winter events.
- Other agencies will also have routine & seasonal work to perform.



What about Snow Removal Assistance for City Residents?



Budgeting limitations

City cannot put snowplow work on a special charge like recycling or urban forestry work.

Snowplowing performed by the city must be paid for on the general fund.

Paying for new staff for a new service means subtracting services & staff from other parts of the city.



Liability concerns

City services are not available on private property.

Doing more work adjacent to private property creates more opportunity for damage.



Logistical complications

Removing snow efficiently from every potential enrollee while racing the weather and the needs of each enrollee would present significant challenges with personnel, vehicles, scheduling, etc.



Eligibility management

Who would decide eligibility, and how do you effectively manage it throughout the year?

How do you prevent abuse?

Questions?

www.cityofmadison.com/Winter

www.cityofmadison.com/ReportaProblem

streets@cityofmadison.com

- 608-266-4681 (Streets West)
- 608-246-4532 (Streets East)
- 608-266-4711 (Parks Division)
- 608-266-4751 (Engineering)

