

# 2024 Street Lighting Replacement Project Summary

last updated 11.15.23



## Existing Conditions

### **General:**

-Of the 21,000 City lights, approximately 520 currently utilize the direct bury wiring system. The majority of these are Xcel decorative poles.

### **Previous Challenges:**

#### **Xcel Poles**

- Maintenance Agreement had expired, which changes repair responsibilities.
- poles without power (broken wire) would no longer qualify for repair by Xcel
- City was not allowed to repair wiring on system that was not connected to City cabinet with metered power
- poles with deteriorated condition are not allowed for replacement under existing Agreement

#### **City Poles**

- maintenance restrictions are not an issue, but same condition issues do apply

## Current Process for Light Out – Xcel Decorative Poles

Cases called into 311 are referred to Xcel to check power

If the pole *has* power, Xcel will repair (bulb, fuse, and ballast).

If the pole does *not* have power, Xcel will not repair

Some poles without power have received temporary power if:

- Lights are connected to City paid utility meter which requires new wire connection to nearby cabinet (temp. overhead wiring).

Or

- Installation of new cabinet. Pole and foundation condition would remain the same.

Locations where temp. power options existed were limited.

### Additional Note:

Direct bury wire repair/splices are unreliable and often nearby breaks occur shortly after repairs.

## Policy Change

### Replacement of Direct Bury Wire Systems:

#### Previous Policy:

Petition for assessment of adjacent properties for 100% project cost to replace direct bury wire systems. If petition failed, then wood poles would replace decorative poles.

#### Policy Update:

1. Petition Has Been Removed
2. Assessment Reduction to Adjacent Properties from 100% to 25%
  - 25% of project cost would be assessed to adjacent properties
  - 75% of project cost would be City funded

## Outcome

### **Pending final project approval:**

#### **Improvements:**

##### **LED Fixtures:**

- better lighting uniformity (less difference between bright and dark spots)
- fixtures are full cutoff so there is no up-light (meets dark skies goals)
- reduced electricity use (reduced CO2 consumption)
- reduced maintenance which includes less outage frequency
- fixtures are designed to place approximately 2/3 of the light toward the roadway and 1/3 toward the sidewalk area

##### **Poles:**

- Anodized aluminum is resistant to rust and corrosion

##### **Foundations:**

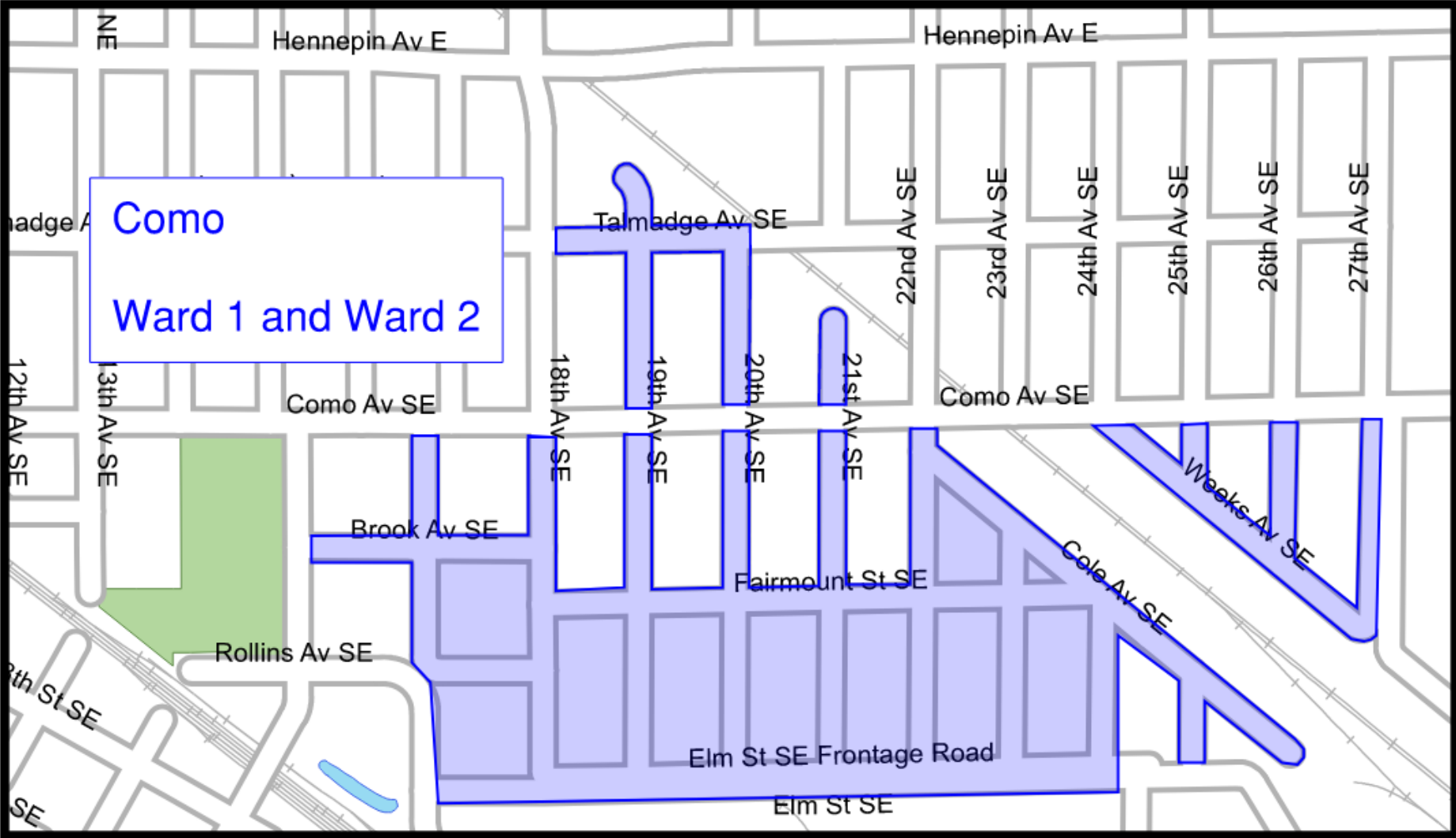
- Concrete foundations less likely to settle or lean compared to screw in foundations

##### **Conduit System:**

- protects wiring
- allows option of effective spot repairs

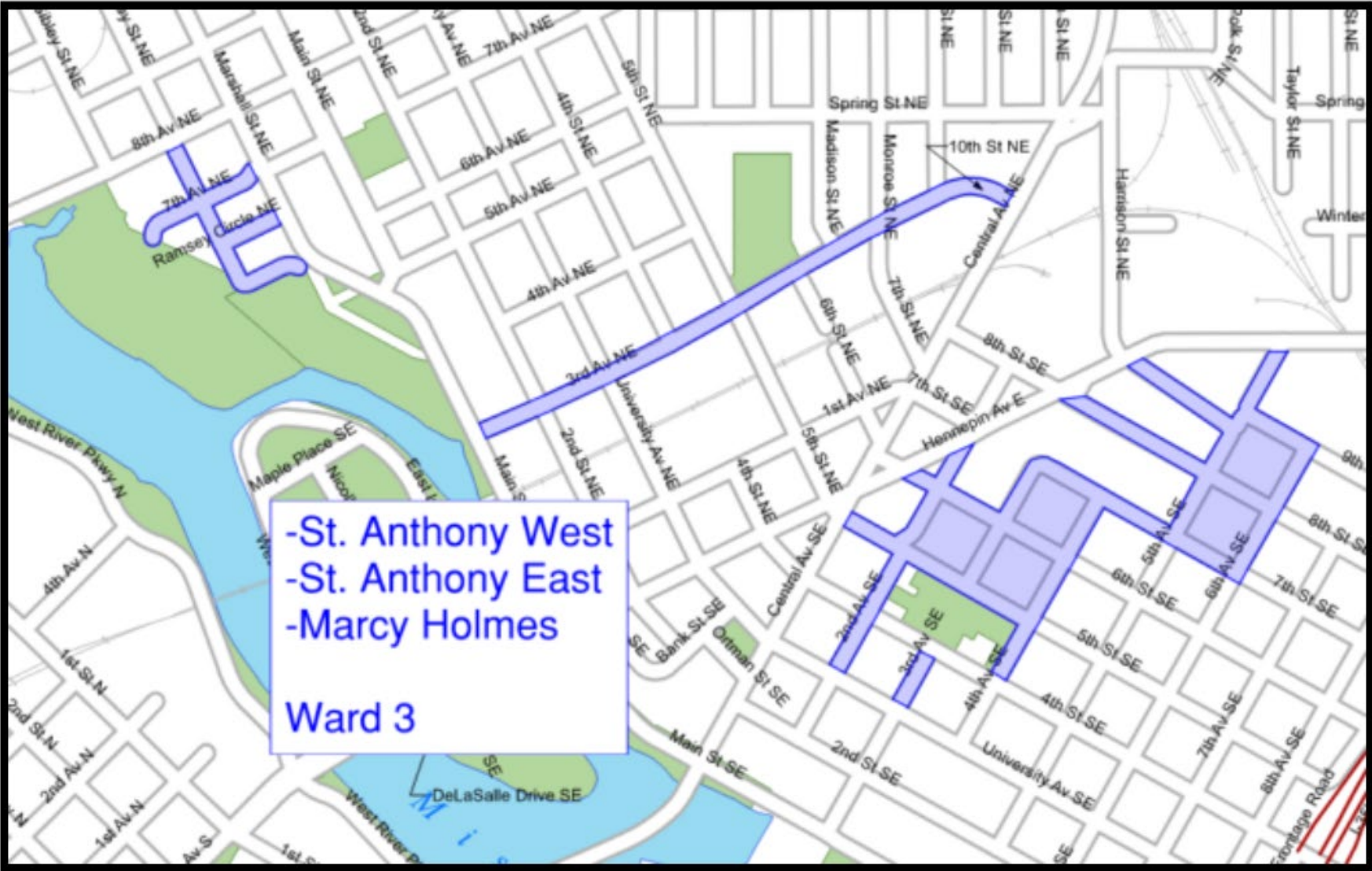
Expected life expectancy of new street lighting system is 30 - 50 years. There are existing examples of active systems within the City of this age using concrete foundations and conduit.

# Project Areas



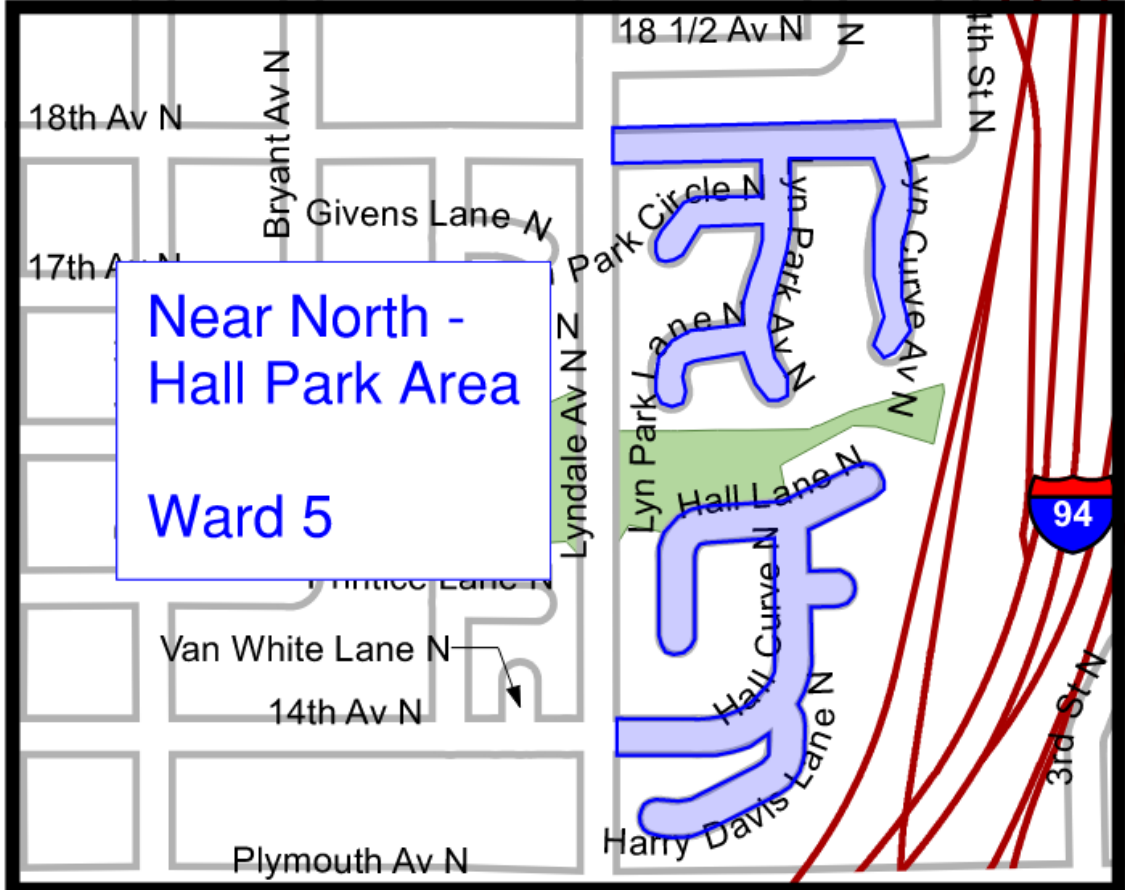
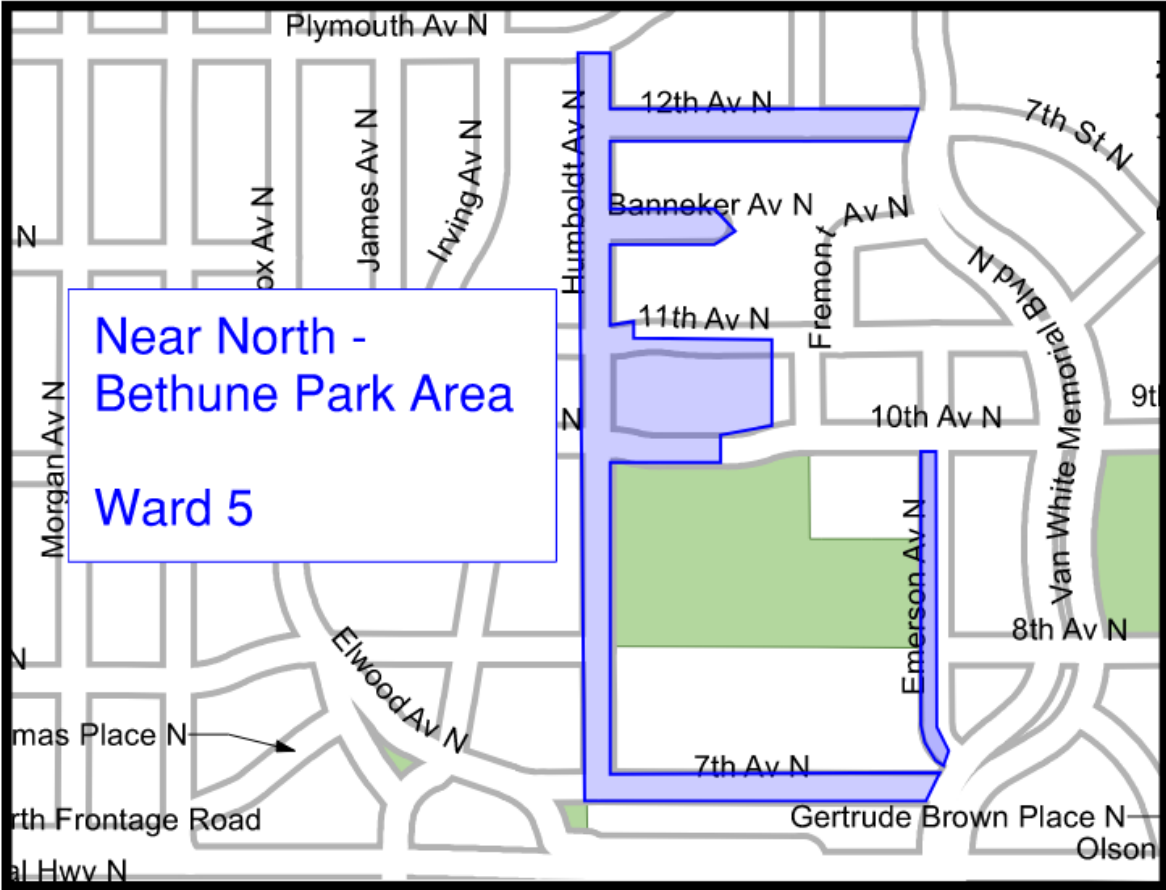
\*final details  
subject to change

# Project Areas



\*final details  
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# Project Areas



\*final details subject to change



## Estimated Timeline for 2023-2024

November and  
December

### **Neighborhood Outreach Notifications and Meetings**

- open house project presentations (1 per neighborhood in coordination with neighborhood organizers)
- public hearing notice publication
- public hearing mailing and assessment info provided
- pre-assessment informational meeting (virtual)

January

### **Public Works and Infrastructure Committee – Project Designation**

- set public hearing dates
- public hearing notice publication
- public hearing mailing and assessment info provided
- pre-assessment informational meeting (virtual)

February

### **Public Works and Infrastructure Committee - Project Approval and Assessment**

- proposal of work to proceed and adopt special assessments
- public hearing

February

**Project Bid**

May to End of Year

**Project Construction**

## Project Info

### Project Information Website:

<https://www.minneapolismn.gov/government/projects/str-lighting-2024/>

### Contact Information:

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612-500-7883 (c.)

### Meeting Dates:

1. Saturday, November 18<sup>th</sup>, 10:00 AM at Elsie's – Ward 3 - St. Anthony West (Ramsey Street Neighborhood) – 729 Marshall St. NE – Virtual Teams Option: see website
2. Thursday, November 30<sup>th</sup>, 6:30 PM at First Congressional Church – Ward 3 – Marcy Holmes Neighborhood – 500 8<sup>th</sup> Avenue SE – Virtual Teams Option: see website
3. Saturday, December 9<sup>th</sup>, 10:00 AM at Elsie's – Ward 3 – St. Anthony West and East (3<sup>rd</sup> Ave NE Area) – 729 Marshall St. NE – Virtual Teams Option: see website
4. Monday, December 11<sup>th</sup>, 6:30 PM – Ward 5 – Near North – Residential Commercial Task Force Meeting – Virtual Only - <https://nrrc.org/>
5. Como Neighborhood – **TBD**
6. Project Designation – Public Works and Infrastructure Committee (PWI) – **TBD**
7. Pre-Assessment Informational Meeting (virtual) **TBD**. Final date and time will be in assessment letter and posted to project webpage.
8. Public Hearing and Project Approval and Assessment - PWI Committee –**TBD**