



Department of Public Works  
Infrastructure Services Division

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City Engineer

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Infrastructure Administration Manager

December 8, 2020

## MEMORANDUM

To: Public Works Committee Members

From: Rollin Bertran, P.E. DPW/Transportation Operations/Engineer in charge  
Bill Christianson, Capital & Debt Specialist

Subject: Funding for Street Lighting Operating and Capital Expenses

At the Public Works on December 2, 2020, questions were asked about the Street Lighting Fee as it relates to the Street Lighting Capital Program. Below are the funds allocated to the Street Lighting Fee for Operation and Maintenance and the Capital Improvement Programs.

### Street Lighting Fee

The Street Lighting Fee approved as part of the 2021 Budget is set to raise \$9,708,670 of revenue in 2021 to fund the cost of operating and maintaining the City's street lights. The type of expenses covered by the Street Lighting Fee include the cost of repairing street lighting outages, the cost of the electricity to power the City's street lights, and the cost of materials and equipment needed by Electrical Services staff to keep the City's street lights operational.

Below is a breakdown of how the \$9.7 million raised through the Street Lighting Fee will be spent in 2021:

- \$4 million for costs associated with the salary of Electrical Services Electricians and other staff who operate and maintain City street lights
- \$3.5 million for the cost of electricity to power the street lighting system
- \$1.2 million for operating expenses such as parts and materials and administrative costs associated with billing
- \$750,000 for equipment, including electricians' trucks and boring machines
- \$300,000 for the Public Safety Lighting Improvements special fund

The Street Lighting Fee does not fund the Street Lighting Capital Improvements Program. The 2021 Budget continues to fund the Street Lighting Capital Program using levy-supported General Obligation borrowing.

DPW's response to street lighting service complaints will significantly improve as a result of a Street Lighting Fee. The recruitment and training of new Electricians to fill vacant positions will take several months. However, it may take as long as two years before service levels and response times reach the City's goals.



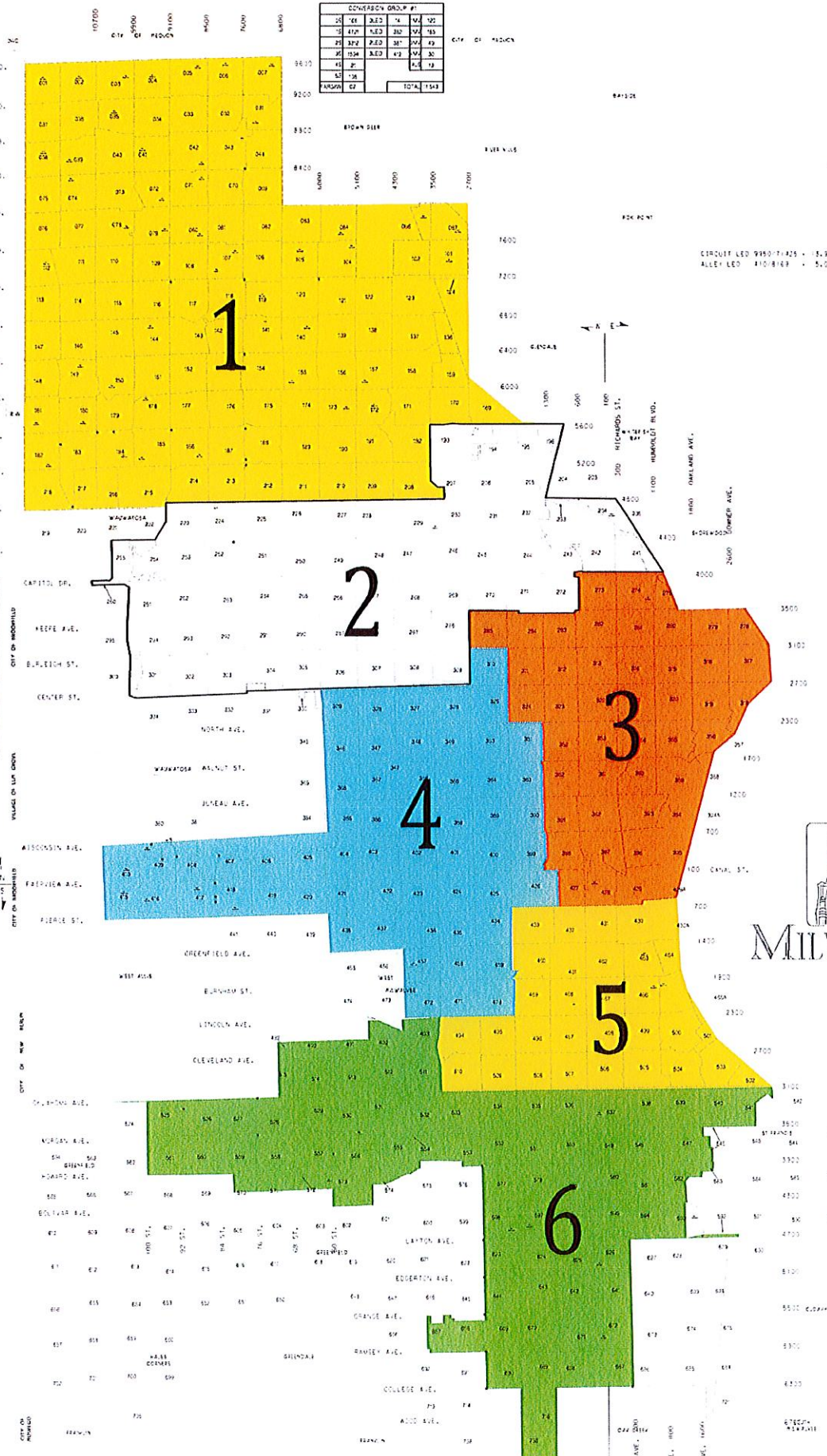
**Street Lighting Capital Improvement Program (\$9,300,000)**

Street Lighting Budget Capital Improvement Program that was included in the budget for 2021.

Below is a breakdown of the 2021 Program:

- Paving Program \$3,200,00
  - City Paving Program:
    - S 7<sup>th</sup> St from Maplewood to Abbott
    - S 14<sup>th</sup> St from Becher to Forest Home
    - N 18<sup>th</sup> St from Fond Du Lac to North
    - N 19<sup>th</sup> St from Fond Du Lac to North
    - N 23<sup>rd</sup> St from Keefe to Vienna
    - N 28<sup>th</sup> St from Teutonia to Fairmont
    - N 29<sup>th</sup> St from Lisbon to North
    - S 45<sup>th</sup> St & S 47<sup>th</sup> St from Crawford to Tripoli
    - N 60<sup>th</sup> St from McKinley to Vliet
    - N 81<sup>st</sup> St from Acacia to Casper
    - N 87<sup>th</sup> St from Lisbon to Melvina
    - N 95<sup>th</sup> Ct
    - E Auer Av from Dousman to Humboldt
    - W Bradley Rd from 87<sup>th</sup> to 91<sup>st</sup>
    - W Clinton Av and N 76<sup>th</sup> St
    - W Concordia Av from 20 to 22<sup>nd</sup>
    - W Custer Av from Dexter to N 2<sup>th</sup>
    - W Custer Av from 13<sup>th</sup> to Green Bay
    - N Dousman Av and Auer
    - W Fairmount Av from Hopkins to Sherman
    - W Fernwood Cr. And Honey Creek Dr
    - W Grant St from 33<sup>rd</sup> to 35<sup>th</sup>
    - S Lenox St from Norwich to Howard
    - W Monroe St from 18<sup>th</sup> to North
    - W Philip Pl from 58<sup>th</sup> to 60<sup>th</sup>
    - W Ruby Av from 36<sup>th</sup> to Sherman
    - W Thruston Av from 87<sup>th</sup> to 91<sup>st</sup>
    - E Tripoli Av from Kansas to Brust
    - W Valley Forge Dr from Hawley to city limits
    - W Whitaker Av from 20<sup>th</sup> to Louisiana
    - High Impact Program (23 projects)
    - Handicap Ramp projects.
  - State Paving Program:
    - S 70<sup>th</sup> St over CPRR to Hast
    - N 76<sup>th</sup> St and Hampton Ave
    - Center, Lisbon and N 60<sup>th</sup> Intersection
    - Hampton Av Bridge over Milwaukee River
    - W Walnut Av from 12<sup>th</sup> to 20<sup>th</sup>
    - Howard from 6<sup>th</sup> to Clement
    - N 20<sup>th</sup> St from North to Hopkins
- Street Lighting Substation \$500,000
  - Transformer replacement
  - Underground stations assessment
- Neighborhood Lighting program \$5,100,000
  - Upgrade Street and Alley Lighting (citywide)
  - Harp Light LED Conversion (Area 1– see attached map)

- Excavation repairs (citywide)
- Remove Series Circuitry
  - NM 7&8 - W Glendale to Hampton, W Lincoln to N 58<sup>th</sup> St
  - SO 5&6 – S 23<sup>rd</sup> St to S 14<sup>th</sup> St, Howard to Warimont Av
  - NG 5&6 – N Hopkins from Villard to north of Congress
- Pole, Cable and Misc. equipment upgrades (citywide)
- Uncollectable Pole Knockdowns & Repairs (citywide)
- LED street light conversion (Area 1– see attached map)
- Engineering \$500,000

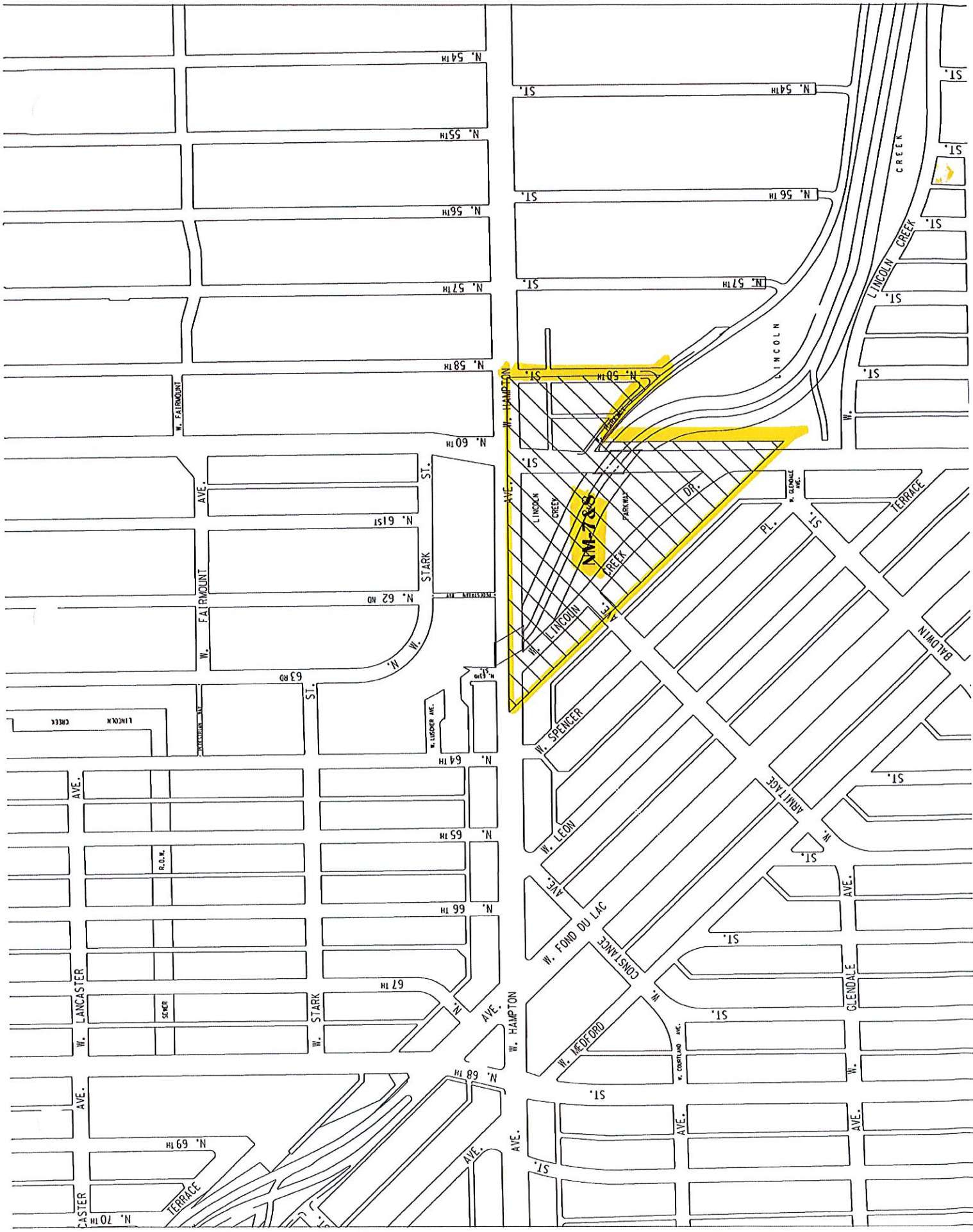


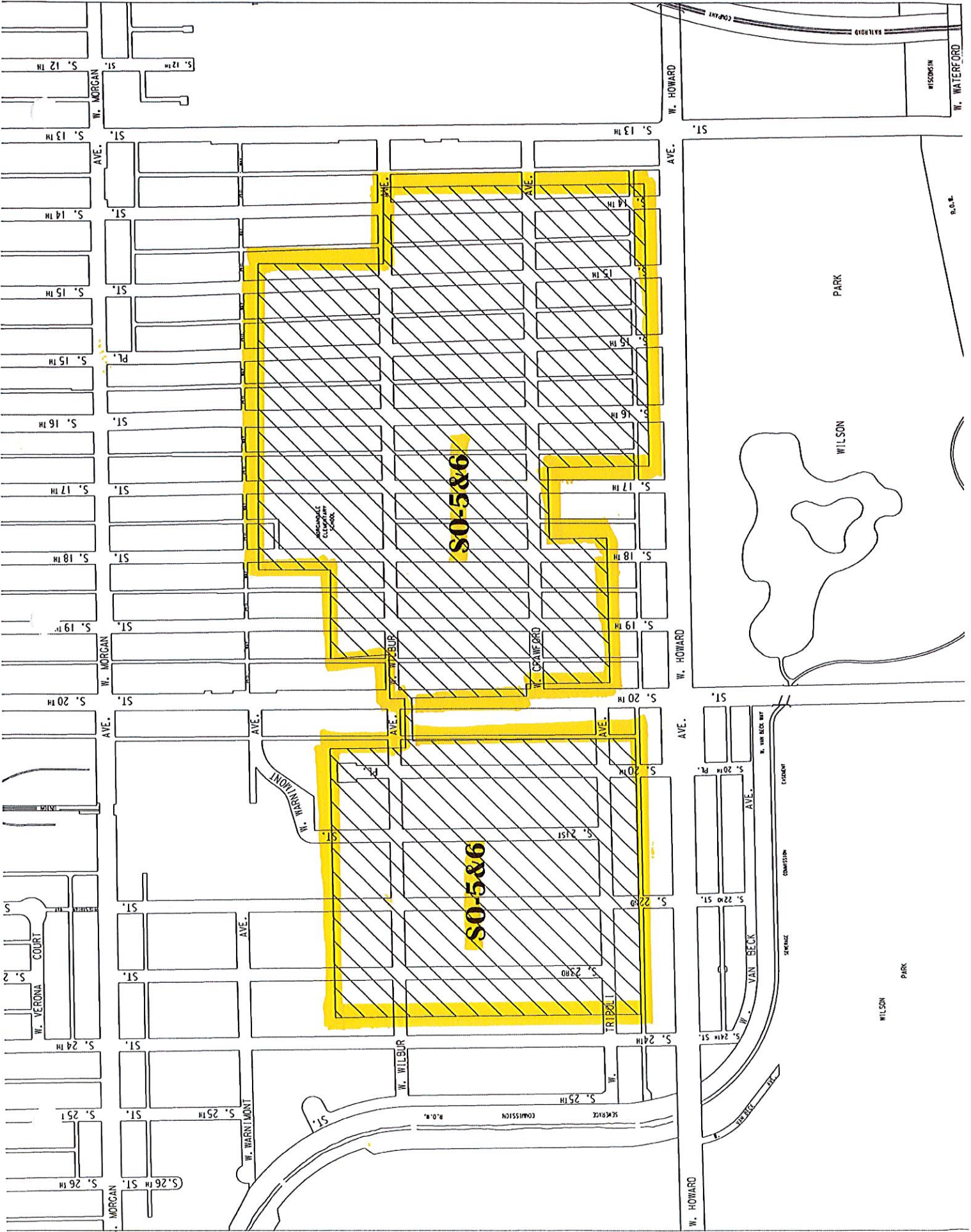
CONCRETE GROUP #	1	2	3	4	5	6
15	24	32	4	16	20	13
18	47	1	30	22	11	13
21	37	1	37	17	4	13
25	13	1	4	1	1	1
41	1	1	1	1	1	1
53	1	1	1	1	1	1
57	1	1	1	1	1	1
TOTAL	104	104	104	104	104	104



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15	24	32	4	16	20	13
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53	1	1	1	1	1	1
57	1	1	1	1	1	1
TOTAL	104	104	104	104	104	104







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R.O.W.

WISCONSIN

W. WATERFORD

W. HOWARD

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