



Green Alley Reconstruction



Tunneling for Menomonee River Outfall



CITY OF WAUWATOSA, WISCONSIN

2016 to 2020 CAPITAL IMPROVEMENTS PROGRAM

FINAL

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IMPROVEMENTS PROGRAM**

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JAMES M. ARCHAMBO
City Administrator

November 12, 2015

Mayor Kathy Ehley
City of Wauwatosa Common Council
City of Wauwatosa
Wauwatosa, Wisconsin

RE: City of Wauwatosa 2016 – 2020 Capital Improvements Program

Dear Mayor & Council Members:

I am pleased to transmit to you the City of Wauwatosa's 2016-2020 Capital Improvements Program (CIP).

2016 marks the fifth year for the expanded presentation of the CIP. Every attempt has been made to have each major project outlined in a separate project listing sheet that describes the project in a narrative format, and also details the project schedule, source of funding and the type of infrastructure being affected by the project.

The City is making a concerted effort to expand and improve all communication with the public. The revised CIP format is only one facet of that communication. In an effort to help the casual user find and understand each project, more maps, charts, and exhibits have been added. The goal is to make the CIP a key planning document and management tool for elected officials, the public and City staff.

As in past years the City's annual recommended investment in infrastructure has been calculated and presented as the funding level required to maintain a State of Good Repair (SOGR). That analysis is presented in the first part of the CIP book. The 2016-2020 Capital Budget expenditures remain within the financial limits set by the five-year forecast for debt service and sewer rates.

As represented by the cover of this book, the 2016-2020 CIP is a departure from past Capital Improvement Programs. The cover is a montage of photos, one of which shows the Tunnel Boring Machine used to bore the new outfall for the Milwaukee Ave relief storm sewer. The other photo depicts the construction of the permeable paver insert in a "green alley". One represents the more traditional "hard" solutions to infrastructure problems. The green alley is the "softer", more environmentally friendly way to resolve run-off issues. The City is committed to exploring both approaches.

This dichotomy accurately depicts an ongoing shift in thinking towards capital projects for the City. Certainly there is a place for traditional infrastructure thinking. Water mains, pavements, sewers and lighting systems wear out. They have to be replaced. Concurrently, however, there is a greater emphasis on enhancing the public spaces in the City through judicious use of capital dollars towards more bike and pedestrian friendly projects, as opposed to projects that only are geared to the automobile.

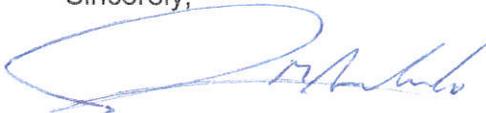
Examples of this type of thinking abound. The 69th street parking lot parking area is being rebuilt with added elements for more community activities. CSS elements such as colored crosswalks, and wayfinding have been added to the Burleigh project. The construction of the Locust Street drop-off center in partnership with DOT and the School District is another example of a non-traditional project. More trees and landscaping were part of the Mayfair Rd/DOT project. In 2015, the City built its first "green" alleys which have a permeable paver insert down the middle of the pavement. The concrete is pitched towards the middle where the pavers are located. City staff from the Administrators office, the Development and Engineering Departments and elected officials took a certification course in urban design from the Center of New Urbanism (CNU). Many participants became certified in CNU design principles. The City has adopted a Bike and Pedestrian Plan, and established an active Bike and Pedestrian Committee to advocate and prioritize projects. Lastly the Streetscape Selection Committee has been reviewing options for the redevelopment of the Village of Wauwatosa. The options selected emphasize pedestrian and bike movements while still maintaining traffic flow and parking requirements. Village Improvements will be over a three year period (2016-2018), and will consume substantial capital dollars to achieve the desired effect.

The 2016 - 2020 CIP also has a wide variety of more traditional projects planned. While there are major streetscape elements in the Village Improvements, it should not be lost in the discussion that a major part of the project is still the renewal of deteriorated City infrastructure such as century old water lines, crumbling pavers, pot holed pavement, and upgrading inadequate sewer systems. The proposed five year paving program plans on repaving over thirteen miles of streets over that period. The process of inspecting, replacing/repairing/relining sanitary sewers to reduce the incidence of basement flooding continues. Major storm sewer projects in the upstream portion of the City Hall South sewershed are planned as well.

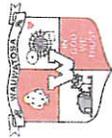
In conclusion, the 2016-2020 CIP has been extensively revised to meet changing circumstances yet it remains committed to reinvesting in the infrastructure that supports the quality of life for Wauwatosa residents.

I do wish to state that your thoughts and comments on the Capital Program are welcome. I also wish to thank staff from all departments who have worked so hard to make the 2016-2020 Capital Improvements Program as comprehensive and thorough as possible.

Sincerely,



James M. Archambo
City Administrator



CAPITAL IMPROVEMENT PLAN 2016-2020 BUDGET YEAR SUMMARY

Project Type	Type of Project by Year					Total By Type of Project		
	2014 Actuals	2015 Estimate	2016	2017	2018		2019	2020
Transportation	\$ 3,318,593	\$ 6,299,731	\$ 6,260,692	\$ 12,662,934	\$ 9,504,965	\$ 9,229,972	\$ 8,294,468	\$ 45,953,032
Sanitary Sewers	\$ 6,808,841	\$ 3,572,695	\$ 4,174,227	\$ 3,594,143	\$ 3,759,310	\$ 4,013,963	\$ 4,144,476	\$ 19,686,120
Storm Sewers	\$ 1,744,726	\$ 6,203,733	\$ 4,862,700	\$ 4,372,754	\$ 2,105,644	\$ 1,772,129	\$ 3,331,200	\$ 16,444,426
Water	\$ 2,088,491	\$ 3,565,341	\$ 2,526,550	\$ 4,453,635	\$ 4,691,980	\$ 3,223,145	\$ 3,777,825	\$ 18,673,135
Structures & Equip.	\$ 1,788,115	\$ 557,155	\$ 1,381,500	\$ 894,000	\$ 1,274,855	\$ 580,000	\$ 370,000	\$ 4,500,355
TIF	\$ 1,576,562	\$ 12,957,008	\$ -	\$ -	\$ 10,440,000	\$ -	\$ -	\$ 10,440,000
Parks	\$ 388,558	\$ 1,022,870	\$ 75,000	\$ 82,400	\$ 165,300	\$ 1,000,000	\$ -	\$ 1,322,700
Other	\$ 75,604	\$ 92,367	\$ -	\$ -	\$ 900,000	\$ 100,000	\$ 47,250	\$ 1,047,250
TOTAL	\$ 17,789,489	\$ 34,270,900	\$ 19,280,669	\$ 26,059,866	\$ 32,842,054	\$ 19,919,209	\$ 19,965,219	\$ 118,067,017

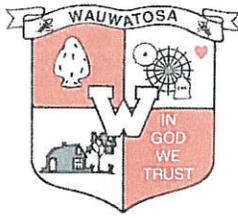
Revenue Source	Revenue Source by Year					Total By Revenue Source		
	2014 Actuals	2015 Estimate	2016	2017	2018		2019	2020
Levy-backed Bonds	\$ 5,390,000	\$ 6,625,000	\$ 5,191,899	\$ 11,807,584	\$ 8,996,315	\$ 4,266,459	\$ 6,691,700	\$ 36,953,958
Rate-backed Bonds - Sanitary	\$ 2,750,000	\$ 4,075,000	\$ 3,715,950	\$ 3,427,643	\$ 3,759,310	\$ 3,873,263	\$ 4,144,476	\$ 18,920,643
Rate-backed Bonds - Storm	\$ 6,190,000	\$ 1,775,000	\$ 4,386,065	\$ 4,272,754	\$ 1,952,244	\$ 1,562,929	\$ 3,101,240	\$ 15,275,232
Rate-backed Bonds - Water	\$ -	\$ -	\$ 159,050	\$ 4,408,635	\$ 4,656,980	\$ 3,223,145	\$ 3,277,825	\$ 15,725,635
Special Assessment	\$ 652,913	\$ 478,997	\$ 650,000	\$ 800,000	\$ 950,000	\$ 1,000,000	\$ 1,000,000	\$ 4,400,001
TIF	\$ 1,576,562	\$ 12,957,008	\$ 2,850,000	\$ 604,250	\$ 5,375,000	\$ 2,998,730	\$ 500,000	\$ 12,327,980
General Fund Transfer	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 438,505	\$ 445,683	\$ 352,767	\$ 2,136,954
Grants/Shared Costs	\$ 87,882	\$ 611,748	\$ 130,000	\$ 100,000	\$ 5,373,400	\$ 969,000	\$ 229,960	\$ 6,802,360
Surplus ²	\$ 604,170	\$ 7,111,510	\$ 1,088,000	\$ 45,000	\$ 35,000	\$ -	\$ 500,000	\$ 1,668,000
Amortization Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Funds	\$ 87,962	\$ 186,637	\$ 659,704	\$ 144,000	\$ 1,305,300	\$ 1,580,000	\$ 167,250	\$ 3,856,254
TOTAL	\$ 17,789,489	\$ 34,270,900	\$ 19,280,669	\$ 26,059,866	\$ 32,842,054	\$ 19,919,209	\$ 19,965,219	\$ 118,067,017

² Includes fund balance (any fund) as well as prior year bond proceeds

Components	Total by Project Component by Year					Total by Component		
	2014 Actuals	2015 Estimate	2016	2017	2018		2019	2020
Design - In-house	\$ -	\$ -	\$ 1,328,369	\$ 1,722,563	\$ 1,033,395	\$ 1,925,090	\$ 1,470,618	\$ 7,480,034
Design - Other	\$ -	\$ -	\$ -	\$ 121,720	\$ 137,920	\$ 164,000	\$ 132,800	\$ 556,440
Engineering and Overhead	\$ -	\$ -	\$ 476,284	\$ 633,598	\$ 556,328	\$ 442,334	\$ 515,812	\$ 2,624,355
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 16,342,516	\$ 22,711,985	\$ 29,754,557	\$ 16,827,786	\$ 17,728,739	\$ 103,365,583
Other	\$ -	\$ -	\$ 1,133,500	\$ 870,000	\$ 1,359,855	\$ 560,000	\$ 117,250	\$ 4,040,605
TOTAL	\$ -	\$ -	\$ 19,280,669	\$ 26,059,866	\$ 32,842,054	\$ 19,919,209	\$ 19,965,219	\$ 118,067,017

Sheet	Project	Project #	2016	2017	2018	2019	2020	TOTAL
	TOTALS		\$	\$	\$	\$	\$	\$ 118,067,017
1016	2016 Paving Program	1016	2,209,969	-	-	-	-	2,209,969
1017	2017 Paving Program	1017	568,259	5,370,693	-	-	-	5,938,952
1018	2018 Paving Program	1018	-	859,065	8,647,707	-	(0)	9,506,772
1019	2019 Paving Program	1019	-	-	610,445	5,769,840	-	6,380,284
1020	2020 Paving Program	1020	-	-	-	892,812	8,184,955	9,077,767
1021	2021 Paving Program	1021	-	-	-	-	750,000	750,000
1104	Bike/Pedestrian Plan Implementation	1104	481,880	550,400	173,250	173,250	173,251	1,552,031
1105	HWY 45/Center/Maine DOT Bridge Replacement - Utilities	1105	2,163,000	-	-	-	-	2,163,000
1106	State Street Reconstruction and Streetscape Improvement Project- 68th	1106	9,384,551	7,005,483	3,357,208	-	-	19,747,242
1107	North Avenue Paving (Mayfair Road to 117th) - DOT	1107	-	-	-	148,500	1,390,500	1,539,000
1110	74th Street Railroad Crossing	1110	-	437,750	-	-	-	437,750
1616-1620	Pavement Repairs and Spot Improvements	1616	270,300	275,600	280,900	286,200	291,500	1,404,500
2016-2020	Sidewalk Improvement Program	2016	481,000	487,500	494,000	500,500	507,000	2,470,000
2216-2220	Bridge Spot Repair	2216	57,750	57,750	57,750	59,483	61,267	293,999
2616-2620	Signalized Intersection Improvements	2616	-	-	-	600,000	-	600,000
3005	Tosa East Utility Improvements and Flood Relief	3005	1,110,000	1,230,000	2,807,000	3,563,000	4,129,500	12,839,500
3006	City Hall South Sanitary Sewer Improvements	3006	384,960	4,956,360	-	120,000	1,545,000	7,006,320
3007	68th and Wisconsin Ave Sanitary Improvements	3007	-	-	-	1,030,000	-	1,030,000
3008	Underwood Creek South Sanitary Improvements	3008	-	-	222,000	222,000	222,000	666,000
3009	Sanitary Lining Independent of Paving	3009	-	555,000	555,000	555,000	555,000	2,220,000
3016-3020	Sanitary Sewer Spot Improvements	3016	51,500	51,500	51,500	53,045	54,636	262,181
4004	Hillside Lane Area Storm and Sanitary Improvements	4004	-	60,000	772,500	-	-	832,500
4007	Grantosa Creek Channel Improvements	4007	-	-	-	-	-	-
4016-4020	Storm Sewer Spot Improvements	4016	111,000	111,000	111,000	114,330	117,760	565,090
5002	Renovate Blanchard Pumping Station	5002	-	-	35,000	-	-	35,000
5003	Automatic Meter Reading	5003	-	1,000,000	-	-	-	1,000,000
5004	Replace Potter Rd. Generator	5004	-	180,000	-	-	-	180,000
5010	Trenchless Water Main Rehabilitation	5010	-	1,133,865	1,136,640	1,082,250	1,065,600	4,418,355
5013	Paint Potter Road Resevoir	5013	-	-	-	-	-	500,000
5014	Install Blanchard Pumping Station Generator	5014	-	45,000	-	-	-	45,000
5015	64th Street Pumping Station Generator	5015	-	-	200,000	-	-	200,000

Sheet	Project	Project #	2016	2017	2018	2019	2020	TOTAL
6009	5009 Building Mechanical Upgrades	6009	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
6016	5016 City Hall Window Renovation	6016	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
6201	5201 Overhead Door Replacement at Public Works Building	6201	\$ 18,000	\$ 18,000	\$ -	\$ -	\$ -	\$ 36,000
6203	5203 Public Works Building Floor System Rehabilitation	6203	\$ 60,000	\$ 6,000	\$ 70,000	\$ -	\$ -	\$ 136,000
6205	5205 Re-roof Salt Shed	6205	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000
6213	5213 Remodel Public Works Building	6213	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000	\$ 600,000
6215	5215 Truck Scale Rebuilding/Replacement	6215	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ 20,000
6403	5403 Replace Roof Top Unit 1 - Police Complex	6403	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000
6404	5404 Boiler Replacement- Police Station	6404	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000
6406	5406 Repaving Police Complex Parking Lot	6406	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ 60,000
6607	5607 Replace Emergency Radios	6607	\$ 111,500	\$ 100,000	\$ 99,855	\$ -	\$ -	\$ 311,355
6609	5609 Generator Replacement	6609	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000
6610	5610 Fire Station # 2 Roof	6610	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000
6611	5611 Replace Fire Station # 3 Overhead Doors	6611	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000
6612	5612 Update & Renovate Fire Station # 53 Kitchen	6612	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000
6613	5613 Fire Station # 52 HVAC	6613	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000
6614	5614 Fire Training Center Repair/Upgrade	6614	\$ -	\$ -	\$ 170,000	\$ -	\$ -	\$ 170,000
6617	5617 Turnout Gear Replacement	6617	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000
6656	5656 Ambulance Replacement	6656	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ 260,000
6666	5666 Command Vehicle Replacement	6666	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ 70,000
6676	5676 Fire Engine/Ladder Truck Replacement	6676	\$ 992,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,592,000
6686	5686 Replacement Staff Automobile	6686	\$ -	\$ 70,000	\$ 70,000	\$ 40,000	\$ 40,000	\$ 220,000
6695	5695 Replace Maintenance Vehicle	6695	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000
7001	7001 TIF - Innovation Campus	7001	\$ -	\$ 166,500	\$ 10,440,000	\$ 2,369,000	\$ -	\$ 12,975,500
7003	7003 Burleigh Street Public Improvements	7003	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000
8004	8004 Replace Failed Pervious Concrete Sidewalk	8004	\$ -	\$ 82,400	\$ -	\$ -	\$ -	\$ 82,400
8006	8006 Replace Plumbing Fixtures Upgrade Locker Rooms	8006	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000
8008	8008 Replace Rubberized Play Surface at Webster Park	8008	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000
8009	8009 Replace Chain Link Fence on South Side of Hart Park Lane	8009	\$ -	\$ -	\$ -	\$ -	\$ 47,250	\$ 47,250
8010	8010 Hart Park Improvements 68th to 70th Street area	8010	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ 155,000
8011	8011 Replace Hart Park Water Heater	8011	\$ -	\$ -	\$ 10,300	\$ -	\$ -	\$ 10,300
8014	8014 Replace Field Turf at Hart Park Stadium	8014	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ 1,000,000
9001	9001 East Tosa Improvements - North Ave Plan	9001	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ -	\$ 2,200,000
9003	9003 Replace Financial, Human Resources & Utility Billing Systems	9003	\$ -	\$ -	\$ 900,000	\$ 100,000	\$ -	\$ 1,000,000



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

STATE OF GOOD REPAIR VS. CIP INVESTMENT ANALYSIS

Overview: In 2011, staff from the Engineering Division compiled a spreadsheet that estimated the City of Wauwatosa's annual capital investment required to maintain each element of the City's infrastructure. This level of investment is called the State of Good Repair analysis (SOGR). For 2016 that spreadsheet has been updated based on revised unit costs. A copy of that spreadsheet follows this narrative.

The Federal Department of Transportation defines a State of Good Repair as follows:

“A condition in which the existing physical assets, both individually and as a system, are functioning as designed within their useful lives, and are sustained through regular maintenance and replacement programs. A State of Good Repair represents just one element of a comprehensive capital investment program that also addresses system capacity and performance.”

The methodology used in the following spreadsheet has its limitations. It does not account for any deferred maintenance. It assumes that each infrastructure element has been maintained at a consistent and adequate level throughout its length of service. It also does not account for uneven installation levels. The fact is that Wauwatosa, like many suburban communities, has experienced many peaks and valleys in development. For example during the post World War II period, development proceeded at a furious pace whereas during the early 1980's development was slowed by a deep recession. Those water and sewer mains installed in the 1950's and 1960's are well past the mid-point of their useful life.

Lastly this level of analysis does not account for service level increases. For example, replacing a 54" storm sewer with one twice its size as was the case with the Meinecke project will greatly improve the level of service for affected residents but the added cost is not covered as part of the SOGR analysis.

Having said all that, staff does believe that the SOGR as shown represents a valuable bench mark against which the level of annual capital investment by category can be measured. This type of analysis is common and to take it to the next level, which is part of asset management will require a significant investment in time and effort on the part of staff.

Narrative: The following tables compare the total annual investment in each element of infrastructure, grouped by project type (i.e. sanitary, storm, water, etc.) as shown in the Capital Improvement Program (CIP), against recommended levels of investment in the State of Good Repair analysis. If the projected CIP levels are higher than the recommended SOGR levels, then the variance is positive. If the CIP levels are lower, then the number is shown as being negative. It should be noted that since project costs are increased to reflect construction escalation in future years, the SOGR costs are also increased by 3% per year in order to make valid comparisons.

In the last chart aggregate costs for both the five years of the CIP and the SOGR are shown. Variances for each element of the infrastructure are highlighted and then summed to represent a total infrastructure comparison of CIP vs. SOGR. As is evident, the projected 2016-2020 CIP contains a spending plan that is 100.64% of the recommended spending levels of the SOGR analysis. If the TIF related expenses are left out, the percentage of capital expenses to SOGR falls to 91.73%.

STATE OF GOOD REPAIR ANALYSIS									
ANNUAL AVERAGE CAPITAL INVESTMENT TO REPLACE AS IS -									
NO INCREASE IN LEVEL OF SERVICE									
ASSUMES AGE OF INFRASTRUCTURE IS UNIFORMLY LINEAR									
draft - work in progress									
Estimated Quantities and Values as of January 2015									
rev. October 23, 2015									
UTILITIES	Estimated Quantity	Unit	Unit Cost	Item Cost	Replacement Interval (years)	Annual Cost			
Sanitary									
sewers (doesn't include laterals)	153	miles	\$925,623	\$141,620,330	72	\$1,966,949			
mid-life rehab	153	miles	\$370,799	\$56,732,180	72	\$781,947			
manholes	4,125	each	\$6,867	\$28,324,890	72	\$393,401			
mid-life rehab	4,125	each	\$3,537	\$14,591,610	72	\$202,661			
quarter life rehab	4,125	each	\$2,913	\$12,016,620	36	\$333,795			
pump stations	7	each	\$1,248,480	\$8,739,360	40	\$218,484			
control panel replacement	7	each	\$140,454	\$983,178	40	\$24,579			
mid-life pump replacement	14	each	\$10,404	\$145,656	40	\$3,641			
8% engineering						\$314,517			
									Sanitary subtotal
									\$4,245,975
Storm									
sewers	139	miles	\$1,001,156	\$139,160,700	72	\$1,932,787			
mid-life rehab	139	miles	\$351,572	\$48,868,504	72	\$678,729			
manholes	3,505	each	\$4,162	\$14,586,408	72	\$202,589			
mid-life rehab	3,505	each	\$2,081	\$7,293,204	72	\$101,295			
inlets/catch basins	6,950	each	\$3,329	\$23,138,496	72	\$321,368			
mid-life rehab	6,950	each	\$1,665	\$11,569,248	72	\$160,684			
8% engineering						\$271,796			
									Storm subtotal
									\$3,669,248
Water									
water pumping stations	4	total	varies	\$3,590,297	100	\$35,903			
electrical pumping equipment	14	total	varies	\$1,713,600	35	\$48,950			
generators	2	total	varies	\$400,000	30	\$13,333			
water storage reservoirs	6	total	varies	\$13,279,629	100	\$132,796			
water mains and appurtenances	1,070,228	total	varies	\$305,657,117	100	\$3,056,571			
8% engineering						\$263,005			
									Water subtotal
									\$3,550,569
									utilities subtotal
									\$11,465,792
TRANSPORTATION									
Streets									
reconstruct type "A"	80	miles	\$1,137,800	\$90,455,100	72	\$1,256,321			
repave type "B"	80	miles	\$910,300	\$72,368,850	72	\$1,005,123			
resurface type "C"	160	miles	\$455,100	\$72,633,960	72	\$1,008,805			
annual spot repairs	1	each	\$150,000	\$150,000	1	\$150,000			
streetscaping	1	lump sum	\$500,000	\$500,000	20	\$25,000			
UWM site infrastructure	1	lump sum	\$10,000,000	\$10,000,000	40	\$250,000			
North Avenue Plan improvements	1	lump sum	\$5,987,236	\$5,987,236	25	\$239,489			
Village Plan improvements	1	lump sum	\$13,895,666	\$13,895,666	25	\$555,827			
12.5% engineering						\$561,321			
Alleys									
reconstruct resurface	11	miles	\$850,100	\$9,351,100	77	\$121,443			
12.5% engineering	11	miles	\$425,000	\$4,675,000	77	\$60,714			
									\$22,770
Walks and Drives									
drive approaches	15,500	each	\$1,100	\$17,050,000	50	\$341,000			
sidewalks	5,111,600	square feet	\$8.00	\$40,892,800	50	\$817,856			
engineering						\$201,085			
Off-street Parking Lots									
reconstruct	1,472	stalls	\$4,000	\$5,888,000	50	\$117,760			
mid-life resurface	1,472	stalls	\$1,500	\$2,208,000	50	\$44,160			
12.5% engineering						\$20,240			
Bridges									
reconstruct	123,410	square feet	\$229	\$28,236,208	80	\$352,953			
Village pedestrian bridge	1	each	\$100,123	\$100,123	40	\$2,503			
rehab/repaint Harmoniee Bridge	1	each	\$1,500,000	\$1,500,000	33	\$45,455			
annual rehab	1	each	\$75,000	\$75,000	1	\$75,000			
12.5% engineering						\$59,489			
Street Lighting									
wire	1,140,144	feet	\$15	\$17,102,160	40	\$427,554			
street light units - complete	5,690	each	\$3,500	\$19,915,000	50	\$398,300			
alley lights	178	each	\$300	\$53,400	15	\$3,560			
wall packs	38	each	\$300	\$11,400	15	\$760			
distribution cabinets	52	each	\$20,000	\$1,040,000	30	\$34,667			
12.5% engineering						\$108,105			
Traffic Control									
signalized intersections	1	lump sum	\$5,372,901	\$5,372,901	30	\$179,097			
flashing signals	1	lump sum	\$588,002	\$588,002	20	\$29,400			
traffic signs and posts	11,000	each	\$165	\$1,815,000	20	\$90,750			
12.5% engineering						\$37,406			
									transportation subtotal
									\$8,643,910

					subtotal utilities and transportation		\$20,109,702
STRUCTURES, PROPERTY IN THE OPEN, MISC.							
Civic Center	Structure	1	lump sum	\$31,023,993	\$31,023,993	80	\$387,800
	mid-life chiller replacement	1	lump sum	\$350,000	\$350,000	80	\$4,375
	Communication tower	1	each	\$92,879	\$92,879	40	\$2,322
	voting equipment	1	lump sum	\$156,300	\$156,300	15	\$10,420
	12.5% arch/engineering						\$50,615
Existing Hart Park	Hart Park Press Box	1	each	\$76,653	\$76,653	40	\$1,916
	all other structures	1	lump sum	\$6,802,215	\$6,802,215	80	\$85,028
	Rotary performance pavilion	1	each	\$547,889	\$547,889	60	\$9,131
	Bleachers	1	lump sum	\$1,038,567	\$1,038,567	60	\$17,309
	Synthetic turf field	1	each	\$452,890	\$452,890	10	\$45,289
	Track	1	each	\$627,102	\$627,102	15	\$41,807
	Tennis courts	1	lump sum	\$394,964	\$394,964	20	\$19,748
	Lighting and fencing	1	lump sum	\$326,166	\$326,166	40	\$8,154
	Village aluminum sculpture	1	each	\$73,756	\$73,756	40	\$1,844
	Little Red Store	1	each	\$46,974	\$46,974	40	\$1,174
	12.5% arch/engineering						\$28,925
Expanded Hart Park	Play structure	1	lump sum	\$737,938	\$737,938	20	\$36,897
	Restroom / Picnic Shelter	1	lump sum	\$825,000	\$825,000	40	\$20,625
	12.5% arch/engineering						\$7,190
Webster Park	Storage Building	1	each	\$11,349	\$11,349	40	\$303
	Play Equipment	1	each	\$119,510	\$119,510	20	\$5,976
	Rubberized play surface	1	each	\$55,000	\$55,000	15	\$3,667
	12.5% arch/engineering						\$1,243
Public Works	PW Bldg	1	each	\$9,995,215	\$9,995,215	30	\$333,174
	Incinerator Plant	1	lump sum	\$572,758	\$572,758	80	\$7,159
	Chipper Building	1	each	\$6,514	\$6,514	30	\$217
	Salt Shed	1	each	\$156,348	\$156,348	30	\$5,212
	Salt Dome	1	each	\$478,684	\$478,684	30	\$15,956
	PW Mid-life roof replacement	1	each	\$700,000	\$700,000	80	\$8,750
	Fueling system complete	1	lump sum	\$250,000	\$250,000	20	\$12,500
	Underground fuel tanks	1	lump sum	\$90,174	\$90,174	20	\$4,509
	Truck Scale	1	each	\$50,295	\$50,295	15	\$3,353
	12.5% arch/engineering						\$48,854
Police Department	Station	1	each	\$7,626,150	\$7,626,150	80	\$95,327
	Emergency generator	1	each	\$100,000	\$100,000	20	\$5,000
	Evidence storage building	1	each	\$105,499	\$105,499	40	\$2,637
	Vehicle cold storage building	1	each	\$63,703	\$63,703	40	\$1,593
	Rifle range building	1	each	\$52,888	\$52,888	40	\$1,322
	911 system	1	each	\$104,667	\$104,667	20	\$5,233
	Communication system	1	each	\$549,495	\$549,495	20	\$27,475
	Communication tower	2	each	\$45,584	\$91,168	20	\$4,558
	12.5% arch/engineering						\$17,893
Fire Department	Station 1	1	each	\$9,547,384	\$9,547,384	80	\$119,342
	Station 2	1	each	\$1,758,928	\$1,758,928	80	\$21,987
	Station 3	1	each	\$2,910,321	\$2,910,321	80	\$36,379
	Station 54 (trailer)	1	each	\$128,506	\$128,506	20	\$6,425
	Station 2 generator	1	each	\$43,782	\$43,782	20	\$2,189
	Station 3 generator	1	each	\$30,000	\$30,000	20	\$1,500
	training tower	1	each	\$478,744	\$478,744	50	\$9,575
	storage building at PW yard	1	each	\$145,000	\$145,000	40	\$3,625
	12.5% arch/engineering						\$25,128
	Maintenance Vehicle	1	each	\$50,000	\$50,000	10	\$5,000
	Command Vehicle	2	each	\$50,000	\$100,000	10	\$10,000
	Ambulance	3	each	\$225,000	\$675,000	10	\$67,500
	Pumper w/ Rescue body	3	each	\$750,000	\$2,250,000	15	\$150,000
	Quints	2	each	\$650,000	\$1,300,000	14	\$92,857
	Aerial Ladder	1	each	\$900,000	\$900,000	18	\$50,000
	Radio system	1	each	\$375,000	\$375,000	11	\$34,091
	SCBA system	1	each	\$500,000	\$500,000	11	\$45,455
					subtotal structures, property in the open, & misc.		\$2,073,534
					TOTAL ANNUAL CAPITAL PROJECTS INVESTMENT		\$22,183,236

STATE OF GOOD REPAIR ANALYSIS

2016 ANALYSIS

Project Type	SOGR		
	Recommendation	Projected CIP	Variance
Transportation	\$ 8,643,910	\$ 6,241,962	\$ (2,401,948)
Sanitary Sewer	\$ 4,245,975	\$ 4,174,227	\$ (71,748)
Storm Sewer	\$ 3,669,248	\$ 4,862,700	\$ 1,193,452
Water	\$ 3,550,569	\$ 2,526,550	\$ (1,024,019)
Structures & Equipment	\$ 2,073,534	\$ 1,381,500	\$ (692,034)
Parks		\$ 75,000	\$ 75,000
Other			
Subtotal	\$ 22,183,236	\$ 19,261,939	\$ (2,921,297)

2017 ANALYSIS

Project Type	SOGR		
	Recommendation	Projected CIP	Variance
Transportation	\$ 8,903,227	\$ 12,646,284	\$ 3,743,057
Sanitary Sewer	\$ 4,373,354	\$ 3,594,143	\$ (779,211)
Storm Sewer	\$ 3,779,325	\$ 4,372,754	\$ 593,429
Water	\$ 3,657,086	\$ 4,453,635	\$ 796,549
Structures & Equipment	\$ 2,135,740	\$ 894,000	\$ (1,241,740)
Parks		\$ 82,400	\$ 82,400
Other			
Subtotal	\$ 22,848,732	\$ 26,043,216	\$ 3,194,484

2018 ANALYSIS

Project Type	SOGR		
	Recommendation	Projected CIP	Variance
Transportation	\$ 9,170,323	\$ 9,504,965	\$ 334,642
Sanitary Sewer	\$ 4,504,554	\$ 3,759,310	\$ (745,244)
Storm Sewer	\$ 3,892,704	\$ 2,105,644	\$ (1,787,060)
Water	\$ 3,766,798	\$ 4,691,980	\$ 925,182
Structures & Equipment	\$ 3,199,812	\$ 1,274,855	\$ (1,924,957)
Parks		\$ 165,300	\$ 165,300
Other		\$ 900,000	\$ 900,000
Subtotal	\$ 24,534,191	\$ 22,402,054	\$ (2,132,137)

2019 ANALYSIS

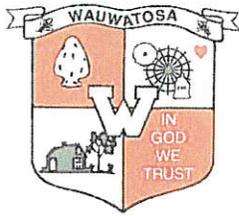
Project Type	SOGR		
	Recommendation	Projected CIP	Variance
Transportation	\$ 9,445,338	\$ 9,229,972	\$ (215,366)
Sanitary Sewer	\$ 4,639,690	\$ 4,013,963	\$ (625,727)
Storm Sewer	\$ 4,009,485	\$ 1,772,129	\$ (2,237,356)
Water	\$ 3,879,801	\$ 3,223,145	\$ (656,656)
Structures & Equipment	\$ 7,265,806	\$ 580,000	\$ (6,685,806)
Parks		\$ 1,000,000	\$ 1,000,000
Other		\$ 100,000	\$ 100,000
Subtotal	\$ 29,240,120	\$ 19,919,209	\$ (9,320,911)

2020 ANALYSIS

Project Type	SOGR		
	Recommendation	Projected CIP	Variance
Transportation	\$ 9,728,698	\$ 8,294,468	\$ (1,434,230)
Sanitary Sewer	\$ 4,778,880	\$ 4,144,476	\$ (634,404)
Storm Sewer	\$ 4,129,769	\$ 3,331,200	\$ (798,569)
Water	\$ 3,996,195	\$ 3,777,825	\$ (218,370)
Structures & Equipment	\$ 2,333,780	\$ 370,000	\$ (1,963,780)
Parks			
Other		\$ 47,250	
Subtotal	\$ 24,967,322	\$ 19,965,219	\$ (5,002,103)

2016 - 2020 ANALYSIS

Project Type	SOGR		
	Recommendation	Projected CIP	Variance
Transportation	\$ 45,891,623	\$ 45,917,652	\$ 26,029
Sanitary Sewer	\$ 22,512,453	\$ 19,686,120	\$ (2,826,333)
Storm Sewer	\$ 19,020,010	\$ 16,444,426	\$ (2,575,584)
Water	\$ 18,850,449	\$ 18,673,135	\$ (177,314)
Structures & Equipment	\$ 11,008,672	\$ 4,500,355	\$ (6,508,317)
Parks		\$ 1,322,700	\$ 1,322,700
Other		\$ 1,047,250	\$ 1,047,250
Subtotal	\$ 117,283,207	\$ 107,591,638	\$ (9,691,569)



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

STREET IMPROVEMENTS

There are three agencies that are responsible for street projects within Wauwatosa. They are the Wisconsin DOT, Milwaukee County, and, of course, the City. Necessarily there is a great deal of cooperation with these agencies in scheduling repairs.

Narrative: Each year, a team of City Engineers and Public Works personnel drive the entire roadway network. Pavement condition is assessed based on several factors. They include ride quality, surface condition, age, and curb ratings. A ratings system from 0-35 points is assigned to each street or in some case individual blocks. This rating forms the basis of the City's five year street resurfacing program. Based on the ranking, streets are prioritized for repairs. Other factors are resident input, the condition of utilities, and potential developments in the area.

In Wauwatosa, street improvements are divided into five categories depending on the scope of the project.

Type A: Under this category the street is totally rebuilt by removing the existing curb and pavement, replacing the road base with new stone, and installing a new asphalt or concrete roadway.

Type B: This level of work involves completely removing the existing curb and gutter, milling the existing asphalt pavement as required, then replacing the curb and gutter with concrete, and laying new asphalt on top of the existing road base.

Type C: A level C improvement will merely replace the defective curb and gutter (not exceeding 25% of the total existing street segment involved), milling the existing pavement surface as required, and then resurfacing the street segment with new asphalt or recycled pavement.

Type D: A level D pavement improvement project is similar to a type C improvement except that in a type D project, the entire existing asphalt pavement is pulverized, reshaped, compacted, and has a new asphalt surface placed atop the base material.

Type E: A level E improvement consists of minimal defective curb and gutter repair, minor asphalt milling of the asphalt surface and overlaying with new asphalt surface.

The goal of the street improvement program for the City is to resurface or reconstruct 4 miles of pavement annually. Based on an inventory of approximately 159 center line miles of pavement, this translates to a forty year cycle of renewal.

The 2016-2020 Street Paving Program does not meet the four miles of annual paving threshold. The program was scaled back to help fund the planned Village Improvements in 2016-2018. The following table depicts how many centerline miles of paving is planned during 2016-2020.

<i>Year</i>	<i>Miles Proposed (Local Miles)</i>	<i>Target Goal</i>
2016	1.89 miles	4.00 miles
2017	3.64	4.00
2018	3.07	4.00
2019	1.86	4.00
2020	2.27	4.00
Totals	12.73 miles	20.00 miles

As shown the five year paving program will meet 63.62% of that total.

This figure is below what was projected for this five year period, however, the funds from the paving program, and other projects were re-directed to the proposed Village Improvements in 2016-2018. The consensus is that the work in the Village is both transformative for the City, and vital from a infrastructure replacement and renewal perspective. Some of the infrastructure in the Village dates back to the nineteenth century.

In 2015, a great deal of important roadwork was completed in the City. The County will complete most of the project to reconstruct Menomonee River Parkway. This County funded and managed project replaced badly deteriorated pavement, installed rain gardens to handle storm run-off, added speed tables to slow traffic, and completed the installation of a multi-use path on the river side of the parkway that connects to the Oak Leaf Trail at its southern end, and extends a separate path up to Mayfair Rd. Prior to the roadwork, the City had a contract to replace or upgrade utilities that were in conflict with the new pavement.

After years of utility work necessary to support the redevelopment of the Burleigh Triangle, in 2015 a City managed project to complete the Burleigh Ave. street improvements, utility work, street lighting, landscaping, and signal upgrades has been completed.

Left over from 2014 was the second phase of the work on Milwaukee Ave. Final paving and lighting work was completed and the road was re-opened to traffic before Labor Day in 2015.

Also completed in the year programmed was the 2015 paving program. A number of streets were resurfaced, and as a first for the City, the first “green alleys ” were built. Designed to have storm water pitch to the center of the alley where a series of permeable pavers are placed to let the water be re-absorbed into the soil, it is planned that several other green alleys will be built over the next five years.

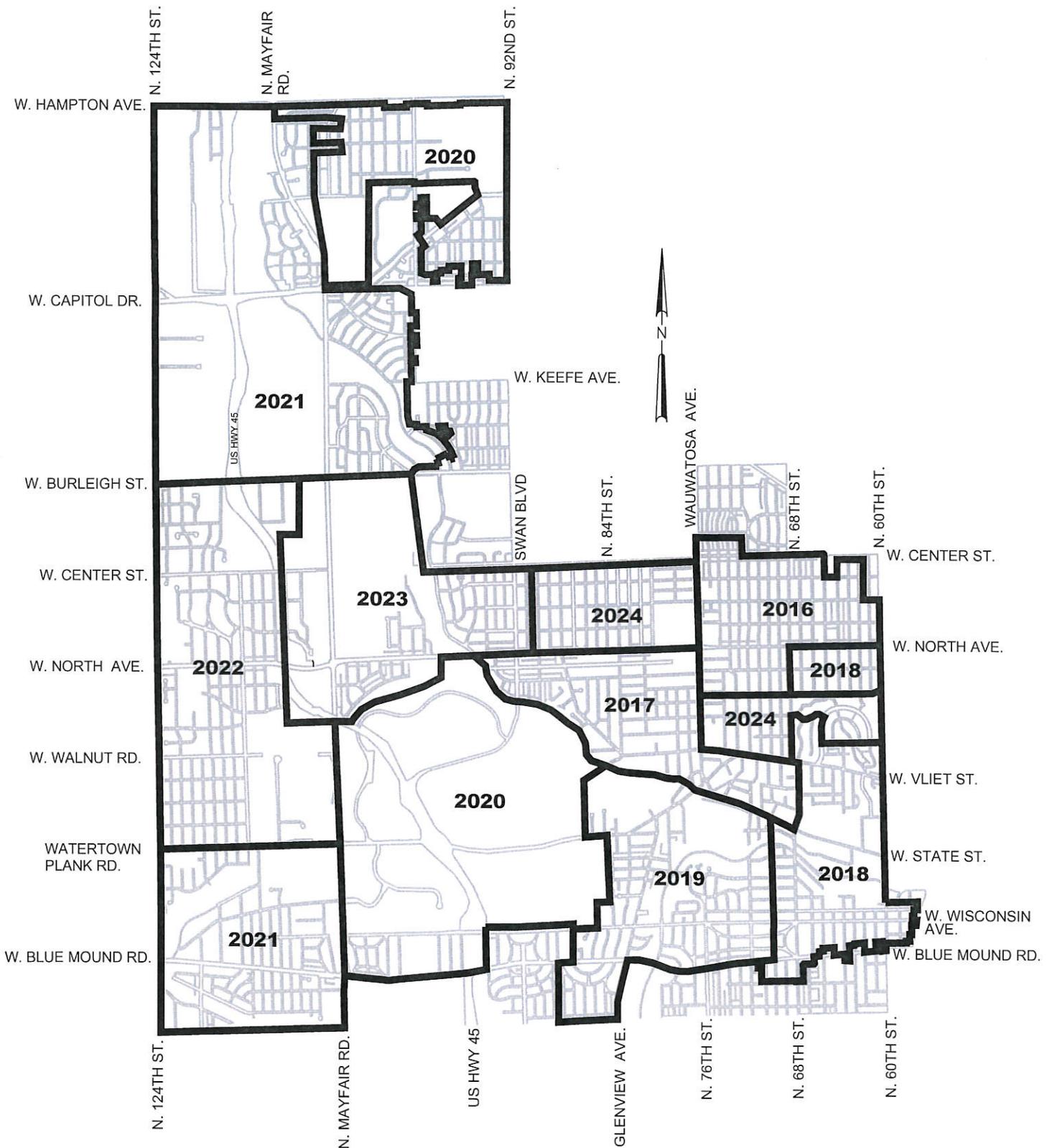
In 2015 DPW crews completed two pilot programs to test differing pavement repair techniques. On Milwaukee Ave. DPW crews replaced a long section of badly deteriorated concrete pavement near Wauwatosa East High School. Labor, material and equipment costs were tracked, and on a unit cost basis, our work was cost competitive with work done by private contractors. This productivity measure be the basis for additional concrete pavement repair work to be done by City crews in 2016. By doing this work that is part of the Capital Budget, labor costs can be charged to the CIP thereby achieving levy reduction savings in the Operating Budget.

City crews also accomplished the asphalt patching work programmed for North Ave. west of Menomonee Ave Parkway. This work was a goal of the Department for 2015.

Following is a chart that depicts the condition rating for Wauwatosa streets. The slight increase for 2015 is the result of recent work done on City streets by DOT, and the recent paving programs of the City.

CONDITION RATING FOR WAUWATOSA STREETS	
YEAR	RATING
1994	28.5
1995	28.4
1996	28.4
1997	28.5
1998	28.4
1999	28.2
2000	28.5
2001	28.1
2002	28.1
2003	27.9
2004	27.7
2005	27.7
2006	27.5
2007	27.1
2008	26.8
2009	26.6
2010	26.5
2011	26.3

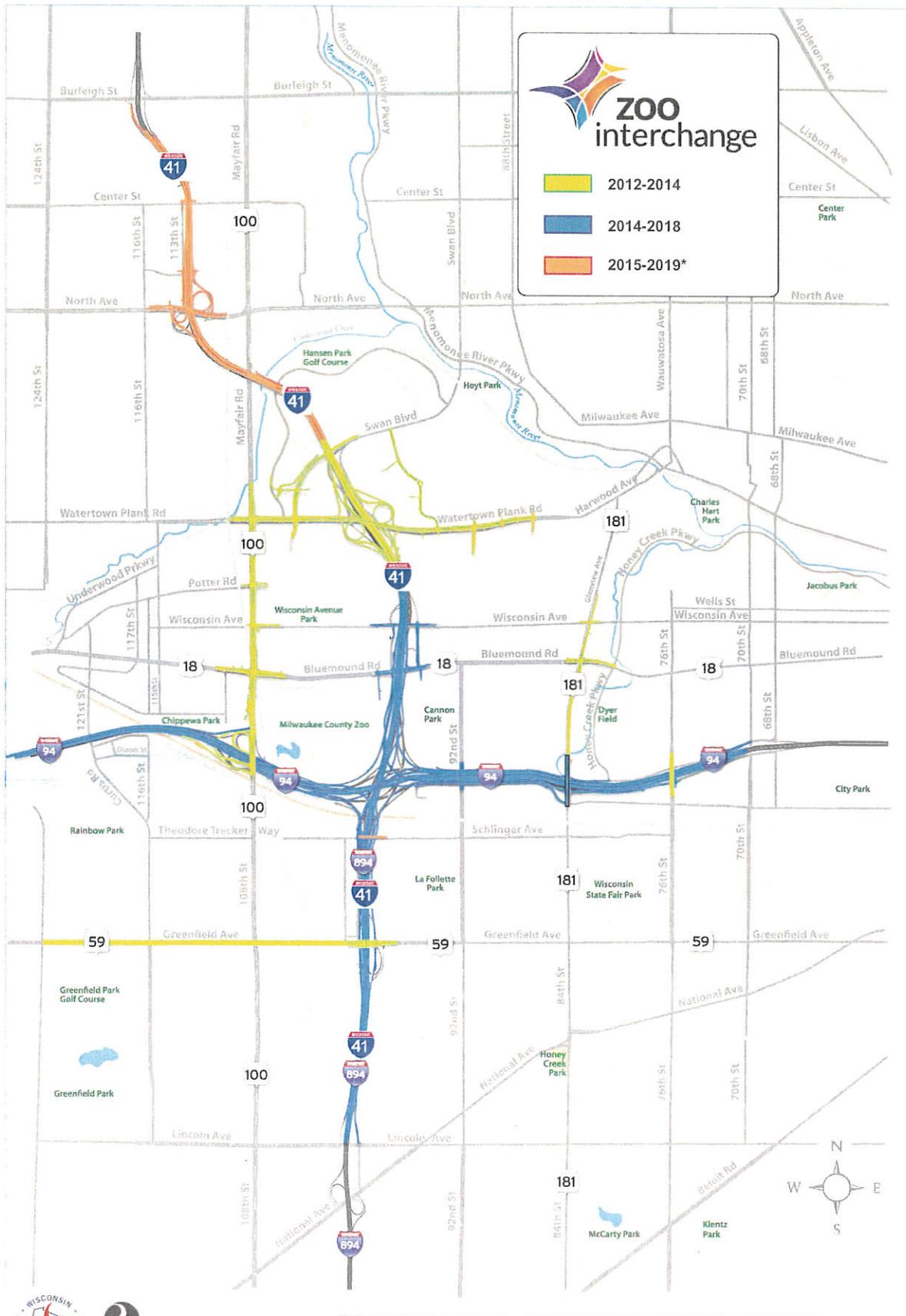
2012	26.1
2013	26.0
2014	N/A
2015	26.28



WAUWATOSA WISCONSIN



PROPOSED SEAL COATING PROGRAM 2016 - 2024



U.S. Department of Transportation
Federal Highway Administration

*Schedules are dependent on future budget allocations

July 2015

Facebook: Wisconsin Zoo Interchange Project

Email: zooicteam@gmail.com

Twitter: <https://twitter.com/WIZoolC>

Web: www.zoointerchange.wi.gov

CITY OF WAUWATOSA
2016-2020 ESTIMATED PAVEMENT COST
AND ASSESSMENTS PER FOOT

RECONSTRUCT OLD PAVEMENTS

COST ESTIMATE BASIS: TYPE A = 100%; TYPE B = 80%; TYPE C = 40%; TYPE D = 50%; TYPE E=20%

STREET WIDTH (FT.)	EST. COST - \$ PER FT. OF LENGTH				
	2016	2017	2018	2019	2020
24	\$170	\$177	\$184	\$191	\$199
26	\$172	\$179	\$186	\$193	\$201
27	\$182	\$189	\$197	\$205	\$213
28	\$188	\$196	\$204	\$212	\$220
29	\$194	\$202	\$210	\$218	\$227
30	\$205	\$213	\$222	\$231	\$240
31	\$213	\$222	\$231	\$240	\$250
32	\$218	\$227	\$236	\$245	\$255
34	\$232	\$241	\$251	\$261	\$271
36	\$243	\$253	\$263	\$274	\$285
40	\$268	\$279	\$290	\$302	\$314
42	\$292	\$304	\$316	\$329	\$342
44	\$354	\$368	\$383	\$398	\$414
46	\$389	\$405	\$421	\$438	\$456
48	\$401	\$417	\$434	\$451	\$469
52	\$438	\$456	\$474	\$493	\$513
55	\$475	\$494	\$514	\$535	\$556
60	\$498	\$518	\$539	\$561	\$583
17**-17 (BLVD)	\$563	\$586	\$609	\$633	\$658
20**-20 (BLVD)	\$629	\$654	\$680	\$707	\$735
28**-28 (BLVD)	\$821	\$854	\$888	\$924	\$961
30**-30 (BLVD)	\$855	\$889	\$925	\$962	\$1,000
32**-32 (BLVD)	\$900	\$936	\$973	\$1,012	\$1,052
35**-35 (BLVD)	\$922	\$959	\$997	\$1,037	\$1,078
36**-36 (BLVD)	\$939	\$977	\$1,016	\$1,057	\$1,099
37**-37 (BLVD)	\$956	\$994	\$1,034	\$1,075	\$1,118
18 (ALLEY)	\$158	\$164	\$171	\$178	\$185
20 (ALLEY)	\$164	\$171	\$178	\$185	\$192

DESCRIPTION OF CONSTRUCTION TYPES:

TYPE A: CONSISTS OF COMPLETELY REMOVING EXISTING CURB AND PAVEMENT, REGRAVING AND REPLACING WITH NEW CONCRETE CURB AND GUTTER AND EITHER CONCRETE PAVEMENT OR ASPHALT PAVEMENT WITH A NEW STONE BASE.

TYPE B: CONSISTS OF COMPLETELY REMOVING EXISTING CURB AND GUTTER, MILLING THE EXISTING ASPHALT PAVEMENT AS REQUIRED, AND REPLACING WITH CONCRETE CURB AND GUTTER AND ASPHALT PAVEMENT ON THE EXISTING ROAD BASE.

TYPE C: CONSISTS OF REPLACING DEFECTIVE CURB AND GUTTER (NOT TO EXCEED 25% OF THE EXISTING CURB AND GUTTER ON THAT STREET), HOT INPLACE RECYCLING OR MILLING THE EXISTING PAVEMENT SURFACE AS REQUIRED AND SURFACING WITH NEW ASPHALT PAVEMENT

TYPE D: CONSISTS OF REPLACING DEFECTIVE CURB AND GUTTER (NOT TO EXCEED 25% OF THE EXISTING CURB AND GUTTER ON THAT STREET), MILLING AND PULVERIZING THE EXISTING PAVEMENT, NEW ASPHALT PAVEMENT ON THE EXISTING ROAD BASE

TYPE E: CONSISTS OF MINIMAL DEFECTIVE CURB AND GUTTER REPAIR, MINOR MILLING OF THE EXISTING PAVEMENT SURFACE AS REQUIRED AND OVERLAYING WITH ASPHALT PAVEMENT

PROPOSED STD. ASSESSMENT RATE FOR STREETS
COST PER FOOT OF ASSESSABLE FRONTAGE*

YEAR	TYPE A	TYPE B	TYPE C	TYPE D	TYPE E	NEW
2016	\$52.00	\$41.60	\$20.80	\$26.00	\$10.40	\$72.80
2017	\$54.00	\$43.20	\$21.60	\$27.00	\$10.80	\$75.60
2018	\$56.00	\$44.80	\$22.40	\$28.00	\$11.20	\$78.40
2019	\$58.00	\$46.40	\$23.20	\$29.00	\$11.60	\$81.20
2020	\$60.00	\$48.00	\$24.00	\$30.00	\$12.00	\$84.00

PROPOSED STD. ASSESSMENT RATE FOR ALLEYS
COST PER FOOT OF ASSESSABLE FRONTAGE*

YEAR	TYPE A	TYPE C	NEW
2016	\$62.00	\$24.80	\$74.40
2017	\$64.00	\$25.60	\$76.80
2018	\$66.00	\$26.40	\$79.20
2019	\$68.00	\$27.20	\$81.60
2020	\$70.00	\$28.00	\$84.00

* MULTI FAMILY (3 OR MORE) RATE = STD RATE * 1.25
 COMMERCIAL RATE = STD RATE * 1.5
 INDUSTRIAL RATE = STD RATE * 2.0

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CITY OF WAUWATOSA

5 YEAR CAPITAL IMPROVEMENT PROGRAM 2016 PAVEMENT

REPLACE STREET LIGHTS \$ 578,125

STREET	FROM	TO	LENGTH LIN. FT.	WIDTH FT.	PROP. WIDTH	PROP. TYPE	ASSES. FEET	SPECIAL ASSES.
N. 91ST ST.	MENOMONEE RIV. PKWY.	STICKNEY AVE.	570	30	SAME	B - ASPH	1,100	\$45,760
N. 93RD ST.	MENOMONEE RIV. PKWY.	STICKNEY AVE.	370	30	SAME	B - ASPH	570	\$23,712
N. 112TH ST. ** @	CUL-DE SAC S. OF MEINECKE	CENTER ST.	1,900	30	SAME	C - ASPH	0	\$0
N. 113TH ST. ** @	NORTH AVE.	75' S. OF CLARKE ST.	1,560	30	SAME	A - ASPH	0	\$0
CONGRESS ST.	N. 108TH ST.	MAYFAIR RD.	1,100	36	SAME	D - ASPH	1,167	\$30,342
HARWOOD AVE. %	STATE ST.	250' E. OF STATE ST.	250	48	SAME	A - ASPH	0	\$0
MRP/STATE STREET %	WAUWATOSA AVE.	CHURCH ST.	1,080	40	SAME	A - ASPH	0	\$0
NORTH AVE. # @	MAYFAIR RD.	W. of N. 117TH ST.	2,800	36-28-36	SAME	C - ASPH	6,556	\$136,365
UNDERWOOD AVE. %	STATE ST.	HARMONEE AVE.	350	34	SAME	A - ASPH	0	\$0
								\$236,179

DOT STREETS

0

LOCAL FEET STREETS

9,980

LOCAL MILES STREETS

1.89

additional feet needed for 4 miles

11,140

A-CONC -
A-ASPH -
B-ASPH -
C-ASPH -
D-ASPH -
TOTAL:

0 FEET
3,240 FEET
940 FEET
4,700 FEET
1,100 FEET
9,980 FEET
1.89 MILES

% NO PAVING ASSESSMENT - VILLAGE PLAN FUNDED

** NO PAVING ASSESSMENT - DOT FUNDED

ASSESSED AS RESURFACING

PARTIAL DOT RECONSTRUCT

NET CITY COSTS SHOWN

@ DOT MULTI-YEAR PROJECT, UTILITY

AND PAVING YEAR(S) TBD PENDING

DOT BUDGETS AND CONSTRUCTION STAGING

TOTAL STREETS AND ALLEYS:

11,339 FEET
2.1 MILES

ALLEY / LIMITS	LENGTH LIN. FT.	WIDTH FT.	PROP. WIDTH	PROP. TYPE	ASSES. FEET	SPECIAL ASSES.
(NORTH - SOUTH / EAST - WEST)						
CENTER - CLARKE / 74TH - 75TH	216	17	SAME	A-GREEN	430	\$26,660
CENTER - CLARKE / 75TH - 76TH	610	18	SAME	A - CONC	1,088	\$67,456
WATERTOWN PLK - GRIDLEY / ROBERTSON - 130' W. OF ELM LAWN	408	14	SAME	A-GREEN	563	\$34,906
MENOMONEE RIVER - WATERTOWN PLANK / ELM LAWN - 85TH	125	20	SAME	A-GREEN	160	\$9,920
	1,359					\$138,942

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 2016 Paving Program
Project No.: 1016

PROJECT DESCRIPTION

Justification:

Planned City street improvements for 2016 include 1.89 miles of local roadway improvements and another .21 miles of alley repairs. Almost all the alley repairs will be "green alleys". Green alleys have a strip of permeable pavers down the middle of the alley with two strips of concrete up against the garages. With the alley pitched to the center, the drainage has an opportunity to soak into the ground rather than run off into a storm sewer. The major effort in 2016 involves the improvement of the streets in the heart of the Village. This includes State Street/Menomonee River Parkway from Church Street to Wauwatosa Ave, Harwood from a point near Wauwatosa Ave to State Street, and Underwood Ave between Harmonee Ave to State Street. This work is being done as part of the overall improvements in the Village as approved by the Streetscaping Selection Committee. Utility repairs will be a large component of the planned work. A complete listing of streets to be repaved in 2016 is on the page following this narrative.

Year of Construction: 2016 Expected Life of Item/Project: 40 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 6,002	\$ 450,300	\$ 590,736	\$ -	\$ -	\$ -	\$ -	\$ 590,736
Rate-backed Bonds- San	\$ -	\$ 62,903	\$ 521,489	\$ -	\$ -	\$ -	\$ -	\$ 521,489
Rate-backed Bonds- Storm	\$ -	\$ 47,435	\$ 160,590	\$ -	\$ -	\$ -	\$ -	\$ 160,590
Rate-backed Bonds - Water	\$ -	\$ 103,840	\$ 15,450	\$ -	\$ -	\$ -	\$ -	\$ 15,450
Special Assessment	\$ -		\$ 450,000	\$ -				\$ 450,000
TIF								\$ -
General Fund Transfer								\$ -
Grants/Shared Costs	\$ -		\$ 100,000	\$ -				\$ 100,000
Surplus								\$ -
Amortization Fund								\$ -
Other Funds			\$ 371,704					\$ 371,704
Total	\$ 6,002	\$ 664,478	\$ 2,209,969	\$ -	\$ -	\$ -	\$ -	\$ 2,209,969

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house	\$ 6,002	\$ 664,478	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design - other								\$ -
Engineering and Overhead			\$ 64,368	\$ -	\$ -			\$ 64,368
Land Acquisition								\$ -
Construction			\$ 2,145,601	\$ -	\$ -	\$ -	\$ -	\$ 2,145,601
Other								\$ -
Total	\$ 6,002	\$ 664,478	\$ 2,209,969	\$ -	\$ -	\$ -	\$ -	\$ 2,209,969

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation	\$ 6,002	\$ 450,300	\$ 1,412,440	\$ -	\$ -	\$ -	\$ -	\$ 1,412,440
Sanitary Sewers		\$ 62,903	\$ 521,489	\$ -	\$ -	\$ -	\$ -	\$ 521,489
Storm Sewers		\$ 47,435	\$ 260,590	\$ -	\$ -	\$ -	\$ -	\$ 260,590
Water		\$ 103,840	\$ 15,450	\$ -	\$ -	\$ -	\$ -	\$ 15,450
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 6,002	\$ 664,478	\$ 2,209,969	\$ -	\$ -	\$ -	\$ -	\$ 2,209,969

CITY OF WAUWATOSA

5 YEAR CAPITAL IMPROVEMENT PROGRAM 2017 PAVEMENT

REPLACE STREET LIGHTS (NIC 92ND ST.) \$ 547,656

STREET	FROM	TO	LENGTH LIN. FT.	WIDTH FT.	PROP. WIDTH	PROP. TYPE	ASSESS. FEET	SPECIAL ASSESS.
N. 60TH ST. #	VLIET ST.	N.C.L.	5,200	38	SAME	E - ASPH	4,900	\$26,460
N. 79TH ST.	MARY ELLEN PLACE	WISCONSIN AVE.	590	24	SAME	B - ASPH	1,060	\$45,792
N. 92ND ST. #	CAPITOL DR.	HAMPTON AVE.	5,100	31-22-31	SAME	A - CONC	4,910	\$265,140
HARWOOD AVE. %	250' E. OF STATE ST.	WAUWATOSA AVE.	250	tbd	new	A - ASPH	0	\$0
PARK DRIVE	CENTER ST.	LOCUST ST.	1,500	30	SAME	D - ASPH	1,884	\$50,868
STATE ST. %	N. 68TH ST.	WAUWATOSA AVE.	2,600	48	SAME	A - CONC	0	\$0
UNDERWOOD AVE. @	MILWAUKEE AVE.	WARREN AVE.	325	24	SAME	A - CONC	0	\$0
UNDERWOOD AVE. ++	WARREN AVE.	ROGERS AVE.	1,300	24	SAME	A - ASPH	1,520	\$82,080
WAUWATOSA AVE. %	STATE ST.	HARMONEE AVE.	750	36	tbd	A - ASPH	0	\$0
WOODLAND AVE. @	WAUWATOSA AVE.	N. 81ST ST.	1,600	30	SAME	A - ASPH	0	\$0
TOTALS								
			8,025	FEET				
			3,900	FEET				
			590	FEET				
			0	FEET				
			1,500	FEET				
			5,200	FEET				
			19,215	FEET				
			3.64	MILES				
			20,567	FEET				
			3.9	MILES				

DOT STREETS
 LOCAL FEET STREETS 19,215
 LOCAL MILES STREETS 3.64
 additional feet needed for 4 miles 1,905

JOINT PROJECT WITH CITY OF MILWAUKEE
 (MILW. LEAD AGENCY) WAUWATOSA COSTS SHOWN
 @ NO PAVING ASSESSMENT - UTILITY DRIVEN
 % NO PAVING ASSESSMENT - VILLAGE PLAN FUNDED
 ++ ASSESSED AS A TYPE D, LIKELY A RECONSTRUCT
 DUE TO UTILITIES

ALLEY / LIMITS	LENGTH LIN. FT.	WIDTH FT.	PROP. WIDTH	PROP. TYPE	ASSESS. FEET	SPECIAL ASSESS.
(NORTH - SOUTH / EAST - WEST)						
CAPITOL - MELVINA / GRANTOSA - WOODWARD	122	20	NEW	A - CONC	156	\$11,981
MEINECKE - NORTH / 90TH - 91ST	250	20	SAME	C - ASPH	521	\$13,338
MEINECKE - NORTH / 91ST - SWAN	250	20	SAME	A - GREEN	483	\$30,912
STICKNEY - MENOMONEE RIVER PKY / SWAN - 93RD (EW LEG ONLY)	440	18	SAME	A - GREEN	587	\$37,568
WELLAUER - BLUE MOUND / 75TH - 76TH	290	30	SAME	A - CONC	678	\$43,392
						\$137,190

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 2017 Paving Program
Project No.: 1017

PROJECT DESCRIPTION

Justification:

Planned City street and alley improvements for 2017 total 3.9 miles of pavement. Of that total 3.64 miles comprise the pavement component and .26 miles of alley will be improved. Design costs for the 2017 construction project are shown in 2016. As is standard practice City owned utility systems are upgraded as part of the repaving project. 2017 is the second year of a three year program to renew the streetscape and infrastructure in the Village. Planned work includes the rest of State Street from Wauwatosa Ave to 68th Street, and Wauwatosa Ave from State Street to Harmonie. Also programmed in these funds are the renewal of Root Common and Pocket Park, along with the intersection of Wauwatosa Ave and Harwood. This work will be done in conjunction with the streetscape improvements along State Street and the pedestrian crossing of the tracks at 74th street. Another major street improvement planned for 2017 is on 92nd street from Capital Dr. to Hampton. This is a joint project with the City of Milwaukee. A complete listing of streets to be repaved in 2017 follows this narrative.

Year of Construction: 2017 Expected Life of Item/Project: 40 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ 419,772	\$ 2,958,920	\$ -	\$ -		\$ 3,378,692
Rate-backed Bonds- San			\$ 38,238	\$ 492,309	\$ -	\$ -		\$ 530,547
Rate-backed Bonds- Storm			\$ 31,610	\$ 306,974	\$ -	\$ -		\$ 338,583
Rate-backed Bonds - Water			\$ 78,640	\$ 1,012,490	\$ -	\$ -		\$ 1,091,130
Special Assessment				\$ 500,000	\$ -			\$ 500,000
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs				\$ 100,000	\$ -			\$ 100,000
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ 568,259	\$ 5,370,693	\$ -	\$ -	\$ -	\$ 5,938,952

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ 568,259	\$ -	\$ -	\$ -	\$ -	\$ 568,259
Design - other								\$ -
Engineering and Overhead			\$ -	\$ 156,428	\$ -	\$ -		\$ 156,428
Land Acquisition								\$ -
Construction			\$ -	\$ 5,214,265	\$ -	\$ -		\$ 5,214,265
Other								\$ -
Total	\$ -	\$ -	\$ 568,259	\$ 5,370,693	\$ -	\$ -	\$ -	\$ 5,938,952

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ 419,772	\$ 3,458,920	\$ -	\$ -		\$ 3,878,692
Sanitary Sewers			\$ 38,238	\$ 492,309	\$ -	\$ -		\$ 530,547
Storm Sewers			\$ 31,610	\$ 406,974	\$ -	\$ -		\$ 438,583
Water			\$ 78,640	\$ 1,012,490	\$ -	\$ -		\$ 1,091,130
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ 568,259	\$ 5,370,693	\$ -	\$ -	\$ -	\$ 5,938,952

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 2018 Paving Program
Project No.: 1018

PROJECT DESCRIPTION

Justification:

Planned City repaving projects for 2018 total 3.3 miles of pavement. Of that total, 3.07 miles are street repaving projects, and the remaining miles of pavement rehabilitation represent alley improvement projects. 2018 is the third and last year of the planned Village Improvements. Work is programmed for Harmonie Ave from Wauwatosa Ave. to the west side of the bridge, Harwood Ave from the CP tracks to Glenview Place, and on Underwood from Harmonie to Milwaukee Ave. Another major project to be constructed in 2018 is the repaving of Harwood/Watertown Plank Rd from Glenview Place to 86th street. This work, in conjunction with the work in the Village, will complete the renewal of pavement all the way from where the DOT work on Watertown Plank ended at 86th street, to the Village's western entrance. A complete listing of streets to be repaved in 2018 follows this narrative.

Year of Construction: 2018 Expected Life of Item/Project: 40 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ 520,551	\$ 3,599,339	\$ -	\$ (0)	\$ 4,119,890
Rate-backed Bonds- San			\$ -	\$ 97,734	\$ 1,258,325	\$ -	\$ -	\$ 1,356,059
Rate-backed Bonds- Storm			\$ -	\$ 86,380	\$ 958,743	\$ -	\$ -	\$ 1,045,123
Rate-backed Bonds - Water			\$ -	\$ 154,400	\$ 1,987,900	\$ -	\$ -	\$ 2,142,300
Special Assessment					\$ 600,000			\$ 600,000
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs					\$ 153,400			\$ 153,400
Surplus								\$ -
Amortization Fund								\$ -
Other Funds					\$ 90,000			\$ 90,000
Total	\$ -	\$ -	\$ -	\$ 859,065	\$ 8,647,707	\$ -	\$ (0)	\$ 9,506,772

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ 859,065	\$ -	\$ -	\$ (0)	\$ 859,065
Design - other								\$ -
Engineering and Overhead			\$ -	\$ -	\$ 251,875	\$ -	\$ -	\$ 251,875
Land Acquisition								\$ -
Construction			\$ -	\$ -	\$ 8,395,832	\$ -	\$ -	\$ 8,395,832
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 859,065	\$ 8,647,707	\$ -	\$ (0)	\$ 9,506,772

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ 520,551	\$ 4,289,339	\$ -	\$ (0)	\$ 4,809,890
Sanitary Sewers			\$ -	\$ 97,734	\$ 1,258,325	\$ -	\$ -	\$ 1,356,059
Storm Sewers			\$ -	\$ 86,380	\$ 1,112,143	\$ -	\$ -	\$ 1,198,523
Water			\$ -	\$ 154,400	\$ 1,987,900	\$ -	\$ -	\$ 2,142,300
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ 859,065	\$ 8,647,707	\$ -	\$ (0)	\$ 9,506,772

CITY OF WAUWATOSA

5 YEAR CAPITAL IMPROVEMENT PROGRAM

2019 PAVEMENT

REPLACE STREET LIGHTS \$ 620,833

STREET	FROM	TO	LENGTH LIN. FT.	WIDTH FT.	PROP. WIDTH	PROP. TYPE	ASSESS. FEET	SPECIAL ASSESS.
N. 68TH ST.	WISCONSIN AVE.	RIVER PKWY.	2,200	40	SAME	C - ASPH	3,200	\$74,240
N. 109TH ST.	WISCONSIN AVE.	POTTER RD.	1,000	36	SAME	C - ASPH	2,020	\$46,864
N. 113TH ST.	POTTER RD.	UNDERWOOD CT.	470	30	SAME	C - ASPH	810	\$18,792
BURLEIGH ST. @	N. 117TH ST. extnded	N. 124TH ST.	2,100	32-22-32	SAME	C - ASPH	0	\$0
CENTER ST. #	N. 60TH ST.	WAUWATOSA AVE.	3,700	50	SAME	C - ASPH	4,880	\$113,216
UNDERWOOD CT.	N. 113TH ST.	CUL DE SAC	350	30	SAME	C - ASPH	650	\$15,080
TOTALS								\$268,192

DOT STREETS
 LOCAL FEET STREETS
 LOCAL MILES STREETS
 additional feet needed for 4 miles

A-CONC - 0 FEET
 A-ASPH - 0 FEET
 B-ASPH - 0 FEET
 C-ASPH - 9,820 FEET
 D-ASPH - 0 FEET
 TOTAL: 9,820 FEET
 1.86 MILES

@ NO PAVING ASSESSMENT - TIF FUNDED
 # JOINT PROJECT WITH CITY OF MILWAUKEE
 WAUWATOSA COSTS SHOWN

TOTAL STREETS AND ALLEYS: 12,268 FEET
 2.3 MILES

ALLEY / LIMITS	LENGTH LIN. FT.	WIDTH FT.	PROP. WIDTH	PROP. TYPE	ASSESS. FEET	SPECIAL ASSESS.
(NORTH - SOUTH / EAST - WEST)						
CENTER ST. - CLARKE ST. / 68TH 69TH	240	19	SAME	A-GREEN	188	\$12,784
CENTER ST. - CLARKE ST. / 69TH - 70TH	230	19	SAME	A-GREEN	424	\$28,832
GARFIELD AVE. - GILBERT AVE. / 116TH - 117TH	688	20	SAME	A-GREEN	1,321	\$89,828
HADLEY ST. - CENTER ST. / 73RD - 74TH east-west leg	230	20	SAME	A-GREEN	340	\$23,120
HADLEY ST. - CENTER ST. / 73RD - 74TH north-south leg	350	18	SAME	A-GREEN	698	\$47,464
MEINECKE AVE. - NORTH AVE. / 100TH - 101ST	270	20	SAME	C - ASPH	356	\$9,683
NORTH AVE. - GARFIELD AVE. / 122ND - 124TH	440	20	SAME	A-GREEN	1,000	\$68,000
TOTALS						\$279,711

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 2019 Paving Program
Project No.: 1019

PROJECT DESCRIPTION

Justification:

In 2019 a total of 2.3 miles of street and alley improvements are programmed. Of that amount 1.86 miles of streets are scheduled for resurfacing, and .44 miles of public alleys are planned for repairs. The bulk of the alley work is programmed for "green" alleys. At this juncture detailed utility investigations are not complete, and so the numbers shown are estimates based on historical averages. As 2019 approaches, the utility repair numbers will be refined based on a detailed review of the underground infrastructure.

Year of Construction: 2019 Expected Life of Item/Project: 40 years.

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ 450,838	\$ 2,016,077	\$ -	\$ 2,466,915
Rate-backed Bonds- San			\$ -	\$ -	\$ 52,635	\$ 536,978	\$ -	\$ 589,613
Rate-backed Bonds- Storm			\$ -	\$ -	\$ 40,851	\$ 316,759	\$ -	\$ 357,610
Rate-backed Bonds - Water			\$ -	\$ -	\$ 66,120	\$ 851,295	\$ -	\$ 917,415
Special Assessment						\$ 600,000		\$ 600,000
TIF						\$ 1,348,730		\$ 1,348,730
General Fund Transfer								\$ -
Grants/Shared Costs						\$ 100,000		\$ 100,000
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 610,445	\$ 5,769,840	\$ -	\$ 6,380,284

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ 610,445	\$ -	\$ -	\$ 610,445
Design - other								\$ -
Engineering and Overhead					\$ -	\$ 168,054	\$ -	\$ 168,054
Land Acquisition								\$ -
Construction			\$ -	\$ -	\$ -	\$ 5,601,786	\$ -	\$ 5,601,786
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 610,445	\$ 5,769,840	\$ -	\$ 6,380,284

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ 450,838	\$ 3,714,907	\$ -	\$ 4,165,745
Sanitary Sewers			\$ -	\$ -	\$ 52,635	\$ 677,678	\$ -	\$ 730,313
Storm Sewers			\$ -	\$ -	\$ 40,851	\$ 525,959	\$ -	\$ 566,810
Water			\$ -	\$ -	\$ 66,120	\$ 851,295	\$ -	\$ 917,415
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 610,445	\$ 5,769,840	\$ -	\$ 6,380,284

CITY OF WAUWATOSA

5 YEAR CAPITAL IMPROVEMENT PROGRAM 2020 PAVEMENT

REPLACE STREET LIGHTS \$ 1,057,292

STREET	FROM	TO	LENGTH LIN. FT.	WIDTH FT.	PROP. WIDTH	PROP. TYPE	ASSESS. FEET	SPECIAL ASSESS.
W. CENTER ST.	MAYFAIR RD.	East of N. 112TH ST.	1,100	VARIABLES	SAME	C - ASPH	2,205	\$52,920
W. CENTER ST.	N. 114TH ST.	N. 117TH ST.	1,100	52	SAME	C - ASPH	1,235	\$29,640
NORTH AVE. @	MENOMONEE RIV. PKWY.	MAYFAIR RD.	4,000	36-28-36	SAME	C - ASPH	4,250	\$102,000
WAUWATOSA AVE.	MILWAUKEE AVE.	NORTH AVE.	3,000	VARIABLES	SAME	C - ASPH	3,870	\$92,880
WISCONSIN AVE	N. 97TH ST.	N. 106TH ST.	2,800	44	SAME	C - ASPH	3,310	\$79,440
TOTALS								\$356,880

DOT STREETS A-CONC - 0 FEET
 LOCAL FEET STREETS A-ASPH - 0 FEET
 LOCAL MILES STREETS B-ASPH - 0 FEET
 additional feet needed for 4 miles C-ASPH - 12,000 FEET
 D-ASPH - 0 FEET
 TOTAL: 12,000 FEET
 2.27 MILES

@ FIRST YEAR OF TWO YEAR PROJECT
ADDITIONAL FUNDING REQUIRED IN 2021

TOTAL STREETS AND ALLEYS: 15,365 FEET
2.9 MILES

ALLEY / LIMITS	LENGTH LIN. FT.	WIDTH FT.	PROP. WIDTH	PROP. TYPE	ASSESS. FEET	SPECIAL ASSESS.
(NORTH - SOUTH / EAST - WEST)						
BLUE MOUND - MT. VERNON / 67TH ST. - 68TH ST. north-south leg #	390	18	SAME	A-GREEN	390	\$27,300
MARION - GRANTOSA / 99TH - 100TH north-south leg #	350	20	SAME	A-GREEN	213	\$14,910
MARION - GRANTOSA / 99TH - 100TH east-west leg #	325	20	SAME	A-GREEN	336	\$23,520
MEINECKE - NORTH / 66TH - 67TH	300	20	SAME	A-GREEN	519	\$36,330
MEINECKE - NORTH / 67TH - 68TH	270	20	SAME	A-GREEN	484	\$33,880
NORTH AVE - JACKSON PARK / 83RD - LUDINGTON	385	20	SAME	C - ASPH	932	\$26,096
NORTH AVE - JACKSON PARK / 90TH - SWAN	475	20	SAME	A-GREEN	1,130	\$79,100
WELLAUER - BLUE MOUND / 74TH - 75TH (Blue Mound Lane)	270	30	SAME	A-GREEN	419	\$29,330
WELLAUER - BLUE MOUND / 72ND - 74TH (Blue Mound Lane)	600	30	SAME	A-GREEN	1,085	\$75,950
TOTALS						\$346,416

JOINT PROJECT WITH CITY OF MILWAUKEE

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 2020 Paving Program
Project No.: 1020

PROJECT DESCRIPTION

Justification:
For 2020 a total of 2.27 miles of pavement are slated for renewal and .44 miles of alleyways will be repaved. Again, the majority of the alley work is reconstruction with the "green" alley approach being used. The planned work in 2020 includes the first phase of work on North Ave from Menomonee River Parkway to Mayfair Rd. The total project length is 2.64 miles. To help fund the Village Improvements, the North Ave work has been spread over two years. The total cost of the project is 2.64 million dollars. Of this amount, 1.5 million dollars are programmed in 2020.

Year of Construction: 2016-2020 Expected Life of Item/Project: 40 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ 714,132	\$ 5,284,450	\$ 5,998,582
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ 66,240	\$ 852,840	\$ 919,080
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ 51,840	\$ 437,480	\$ 489,320
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ 60,600	\$ 780,225	\$ 840,825
Special Assessment							\$ 600,000	\$ 600,000
TIF								\$ -
General Fund Transfer								\$ -
Grants/Shared Costs							\$ 229,960	\$ 229,960
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 892,812	\$ 8,184,955	\$ 9,077,767

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ -	\$ 892,812	\$ -	\$ 892,812
Design - other								\$ -
Engineering and Overhead			\$ -	\$ -	\$ -	\$ -	\$ 238,397	\$ 238,397
Land Acquisition								\$ -
Construction			\$ -	\$ -	\$ -	\$ -	\$ 7,946,558	\$ 7,946,558
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 892,812	\$ 8,184,955	\$ 9,077,767

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ 714,132	\$ 5,884,450	\$ 6,598,582
Sanitary Sewers			\$ -	\$ -	\$ -	\$ 66,240	\$ 852,840	\$ 919,080
Storm Sewers			\$ -	\$ -	\$ -	\$ 51,840	\$ 667,440	\$ 719,280
Water			\$ -	\$ -	\$ -	\$ 60,600	\$ 780,225	\$ 840,825
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 892,812	\$ 8,184,955	\$ 9,077,767

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 2021 Paving Program
Project No.: 1021

PROJECT DESCRIPTION

Justification:
At this point in the CIP process, the streets and alleys, planned for improvement as part of the 2021 paving program have not been selected. However, to accurately reflect costs incurred in 2020, it is necessary to show a medium level of design costs for the 2021 program. That is the reason why this sheet is shown without construction costs. It is planned, however, that the remaining portion of the North Ave project will be done in 2021.

Year of Construction: 2021 Expected Life of Item/Project: 40 years
Request made by:

SOURCE OF FUNDS SUMMARY

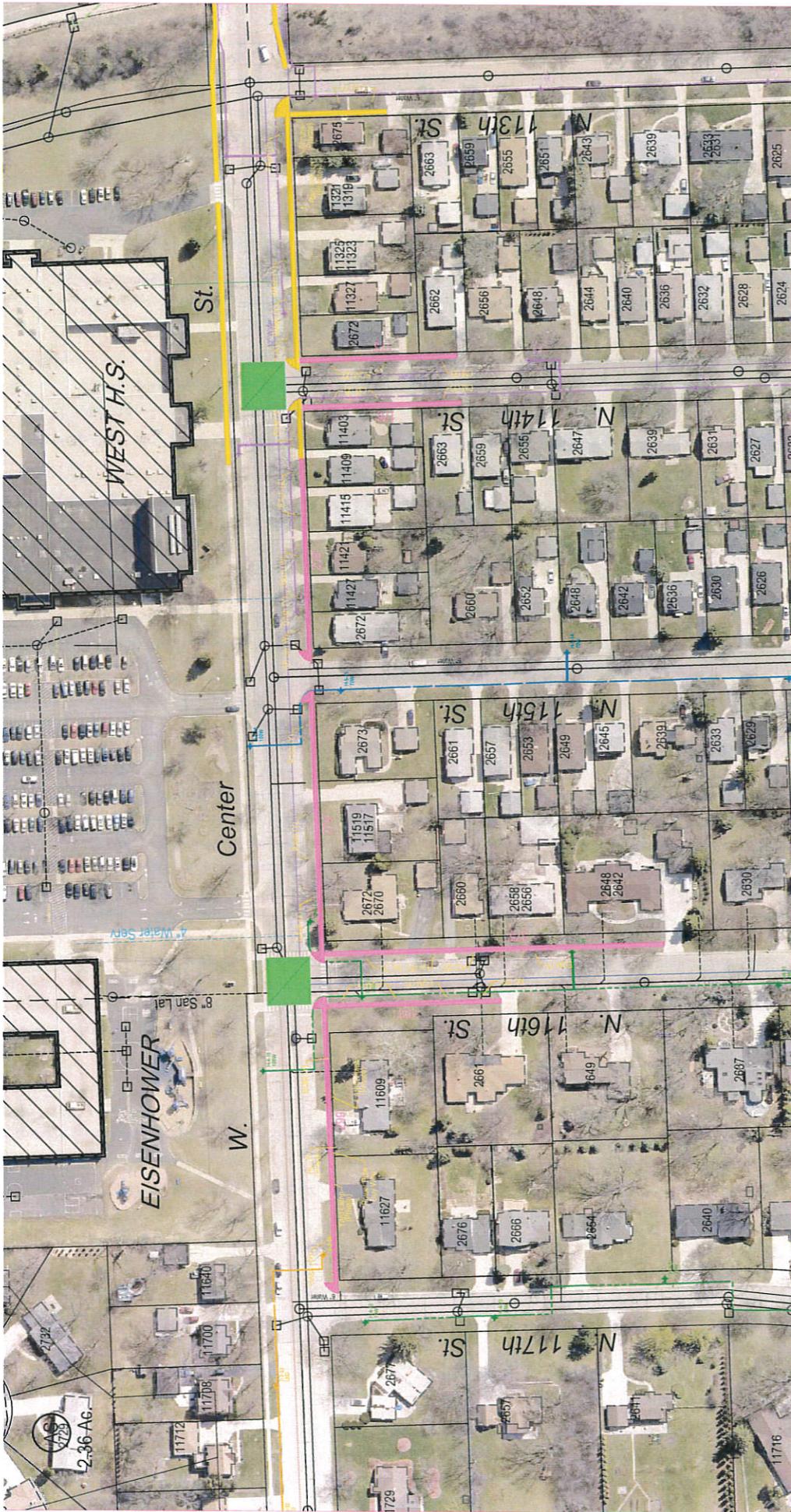
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ 450,000
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants/Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ 450,000
Sanitary Sewers			\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Storm Sewers			\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Water			\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000



W. Center St.

Proposed Sidewalk Recommended Location and Replacement

Tree Size

- (W) - Diameter of 0" to 5"
- (Y) - Diameter of 12" to 24"
- (X) - Diameter of 5" to 12"
- (Z) - Diameter of >24"

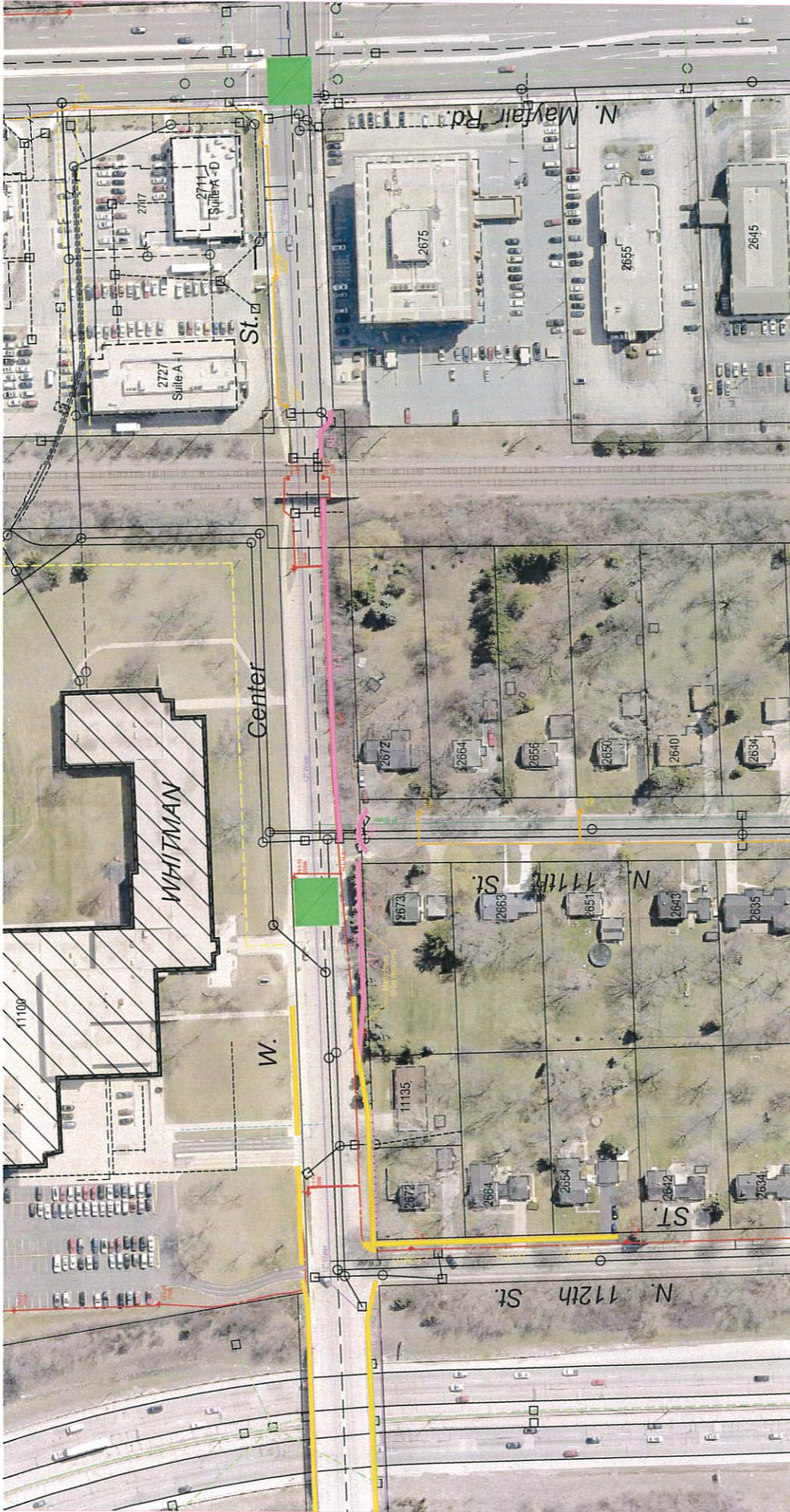
Existing Crossing Guard Locations -



Sidewalk by WisDOT -

Sidewalk by City -

Revised 11-12-14



W. Center St.

Proposed Sidewalk Recommended Location and Replacement

Sidewalk by WisDOT - —

Sidewalk by City - —

Existing Crossing Guard Locations - ■

Tree Size

(W) - Diameter of 0" to 5" (Y) - Diameter of 12" to 24"

(X) - Diameter of 5" to 12" (Z) - Diameter of >24"

Revised 11-12-14

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Bike/Pedestrian Plan Implementation
Project No.: 1104

PROJECT DESCRIPTION

Justification:
With the adoption of the bike and pedestrian plan in 2014, the next step is to provide funds for implementation. The City has shown its commitment to making improvements. An example is the commitment to installing bike corridors with the recent project on North Ave. The City has established bike lanes on Burleigh Street. Property has been purchased on Locust Street that has been used to build a pick up and drop off center for students wanting to access the schools on Center Street without having to get into the Center Street daily traffic. Other projects will be considered using the funds programmed in this CIP. This sheet also includes funds for the sidewalk extensions on Center Street in 2016 and 2017. This walk will be installed as part of the WisDOT project to replace the Center Street Bridge. Other projects will be developed for the out years of the CIP by the Bike and Pedestrian Committee. Per the Financial Affairs Committee amendment, \$8,280 was added to 2016 bonds and \$10,450 and \$16,650 was added to 2016 and 2017 General Fund Transfer. Any remaining funds in 2015 will be carried over.

Year of Construction: 2016-2020 Expected Life of Item/Project: 40 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 29,964	\$ 91,304	\$ 441,430	\$ 533,750	\$ 173,250	\$ 173,250	\$ 173,251	\$ 1,494,931
Rate-backed Bonds- San			\$ -	\$ -		\$ -	\$ -	\$ -
Rate-backed Bonds- Storm			\$ -	\$ -		\$ -	\$ -	\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer	\$ -	\$ 140,946	\$ 10,450	\$ 16,650				\$ 27,100
Grants//Shared Costs			\$ 30,000					\$ 30,000
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 29,964	\$ 232,250	\$ 481,880	\$ 550,400	\$ 173,250	\$ 173,250	\$ 173,251	\$ 1,552,031

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house	\$ 1,937	\$ 51,250	\$ 18,750	\$ 18,750	\$ 18,750	\$ 18,750	\$ 18,750	\$ 93,750
Design - other		\$ 25,000	\$ -					\$ -
Engineering and Overhead		\$ 6,000	\$ 16,400	\$ 15,000	\$ 4,500	\$ 4,500	\$ 4,500	\$ 44,900
Land Acquisition								\$ -
Construction	\$ 28,027	\$ 150,000	\$ 446,730	\$ 516,650	\$ 150,000	\$ 150,000	\$ 150,001	\$ 1,413,381
Other								\$ -
Total	\$ 29,964	\$ 232,250	\$ 481,880	\$ 550,400	\$ 173,250	\$ 173,250	\$ 173,251	\$ 1,552,031

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation	\$ 29,964	\$ 232,250	\$ 481,880	\$ 550,400	\$ 173,250	\$ 173,250	\$ 173,251	\$ 1,552,031
Sanitary Sewers			\$ -	\$ -		\$ -	\$ -	\$ -
Storm Sewers			\$ -	\$ -		\$ -	\$ -	\$ -
Water						\$ -	\$ -	\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 29,964	\$ 232,250	\$ 481,880	\$ 550,400	\$ 173,250	\$ 173,250	\$ 173,251	\$ 1,552,031

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: HWY 45/Center/Meinecke DOT Bridge Replacement - Utilities
Project No.: 1105

PROJECT DESCRIPTION

Justification:

As part of the planned reconstruction of Highway 45, which is part of the Zoo Interchange construction project, the replacement of the bridge overpasses at Center Street and Meinecke are programmed for 2016 and 2017 respectively. Funds for the sidewalk extensions are programmed in the Bike and Pedestrian Plan CIP. The \$50,000 shown as in this CIP represent the funds necessary to replace and relocate the water main crossing on the freeway beneath the Center Street Bridge. This figure is 10% of the total project cost with DOT paying the other 90% of the cost. An additional figure has been added in 2016 for the cost of relocating the sanitary sewers on 112th and 113th streets as those streets will be repaved by the City and WisDOT as part of the north leg of US 45 reconstruction. With the uncertainty over the timing for the reconstruction of the North leg of the Zoo Interchange, this project may be delayed.

Year of Construction: 2016 Expected Life of Item/Project: 40 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ -	\$ 182,000	\$ -	\$ -	\$ -			\$ -
Rate-backed Bonds- San	\$ 421,202	\$ 483,000	\$ 1,339,000					\$ 1,339,000
Rate-backed Bonds- Storm	\$ -		\$ 824,000					\$ 824,000
Rate-backed Bonds - Water		\$ 50,000	\$ -					\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs				\$ -				\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 421,202	\$ 715,000	\$ 2,163,000	\$ -	\$ -	\$ -	\$ -	\$ 2,163,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house				\$ -				\$ -
Design - other	\$ 19,856		\$ -					\$ -
Engineering and Overhead	\$ 17,030	\$ 7,000	\$ 63,000	\$ -	\$ -			\$ 63,000
Land Acquisition								\$ -
Construction	\$ 384,316	\$ 708,000	\$ 2,100,000	\$ -	\$ -			\$ 2,100,000
Other								\$ -
Total	\$ 421,202	\$ 715,000	\$ 2,163,000	\$ -	\$ -	\$ -	\$ -	\$ 2,163,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation	\$ -	\$ 182,000	\$ -		\$ -			\$ -
Sanitary Sewers	\$ 421,202	\$ 483,000	\$ 1,339,000					\$ 1,339,000
Storm Sewers	\$ -		\$ 824,000					\$ 824,000
Water	\$ -	\$ 50,000	\$ -					\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks	\$ -							\$ -
Other								\$ -
Total	\$ 421,202	\$ 715,000	\$ 2,163,000	\$ -	\$ -	\$ -	\$ -	\$ 2,163,000

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**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: State Street Reconstruction and Streetscape Improvement Project- 68th Street to Church Street
Project No.: 1106

PROJECT DESCRIPTION

Justification:

The Village Improvements will take place over a three year period; 2016-2018. The Streetscape Selection Committee has been established to provide the Common Council with a representative sounding board to take input from many different stakeholders, including the public, to implement the vision of the 2011 Village Plan. This plan developed with the assistance of a consulting team, has been integrated into the 2016-2020 CIP. To accommodate the cost of the Village Improvements, several other planned projects have been delayed or reduced in scope. The importance of the Village Improvements to the City is evident as approximately 1 out of every 6 dollars in the 2016-2020 CIP is dedicated to this project.

Year of Construction: 2016-2018 Expected Life of Item/Project: 40 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 339,794	\$ 806,575	\$ 1,851,961	\$ 6,324,463	\$ 3,208,888	\$ -	\$ -	\$ 11,385,312
Rate-backed Bonds- San	\$ -	\$ 16,000	\$ 575,724	\$ 51,500	\$ -	\$ -	\$ -	\$ 627,224
Rate-backed Bonds- Storm	\$ -	\$ 40,000	\$ 3,018,866	\$ 618,000	\$ -	\$ -	\$ -	\$ 3,636,866
Rate-backed Bonds - Water	\$ -	\$ 43,200	\$ -	\$ 11,520	\$ 148,320	\$ -	\$ -	\$ 159,840
Special Assessment				\$ -				\$ -
TIF			\$ 2,850,000					\$ 2,850,000
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus			\$ 1,088,000					\$ 1,088,000
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 339,794	\$ 905,775	\$ 9,384,551	\$ 7,005,483	\$ 3,357,208	\$ -	\$ -	\$ 19,747,242

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house	\$ 65,368	\$ 403,775	\$ 102,000	\$ 400,948	\$ -	\$ -	\$ -	\$ 502,948
Design - other	\$ 274,426							\$ -
Engineering and Overhead			\$ 270,366	\$ 192,365	\$ 97,783			\$ 560,513
Land Acquisition								\$ -
Construction		\$ 500,000	\$ 9,012,185	\$ 6,412,170	\$ 3,259,425	\$ -	\$ -	\$ 18,683,780
Other								\$ -
Total	\$ 339,794	\$ 905,775	\$ 9,384,551	\$ 7,005,483	\$ 3,357,208	\$ -	\$ -	\$ 19,747,242

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation	\$ 339,794	\$ 806,575	\$ 2,587,551	\$ 6,324,463	\$ 3,208,888	\$ -	\$ -	\$ 12,120,902
Sanitary Sewers		\$ 16,000	\$ 1,034,000	\$ 51,500	\$ -	\$ -	\$ -	\$ 1,085,500
Storm Sewers		\$ 40,000	\$ 3,395,500	\$ 618,000	\$ -	\$ -	\$ -	\$ 4,013,500
Water		\$ 43,200	\$ 2,367,500	\$ 11,520	\$ 148,320	\$ -	\$ -	\$ 2,527,340
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 339,794	\$ 905,775	\$ 9,384,551	\$ 7,005,483	\$ 3,357,208	\$ -	\$ -	\$ 19,747,242

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	North Avenue Paving (Mayfair Road to Menomonee River Parkway) - DOT
Project No.:	1107

PROJECT DESCRIPTION

Justification:
North Avenue paving from the Menomonee River Parkway to Mayfair Rd. is tentatively planned for in 2020 and 2021. Due to its width as a boulevard, the paving portion of this project alone is estimated to be approximately \$3,000,000. Recognizing that this is a large part of the cost of the annual paving program, this work is to be spread over two construction seasons with an additional appropriation planned for the 2021 paving program

Year of Construction:	2020-2021	Expected Life of Item/Project:	40 years
Request made by:			

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ 112,500	\$ 427,000	\$ 539,500
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ 20,000	\$ 257,500	\$ 277,500
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ 16,000	\$ 206,000	\$ 222,000
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF							\$ 500,000	\$ 500,000
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 148,500	\$ 1,390,500	\$ 1,539,000

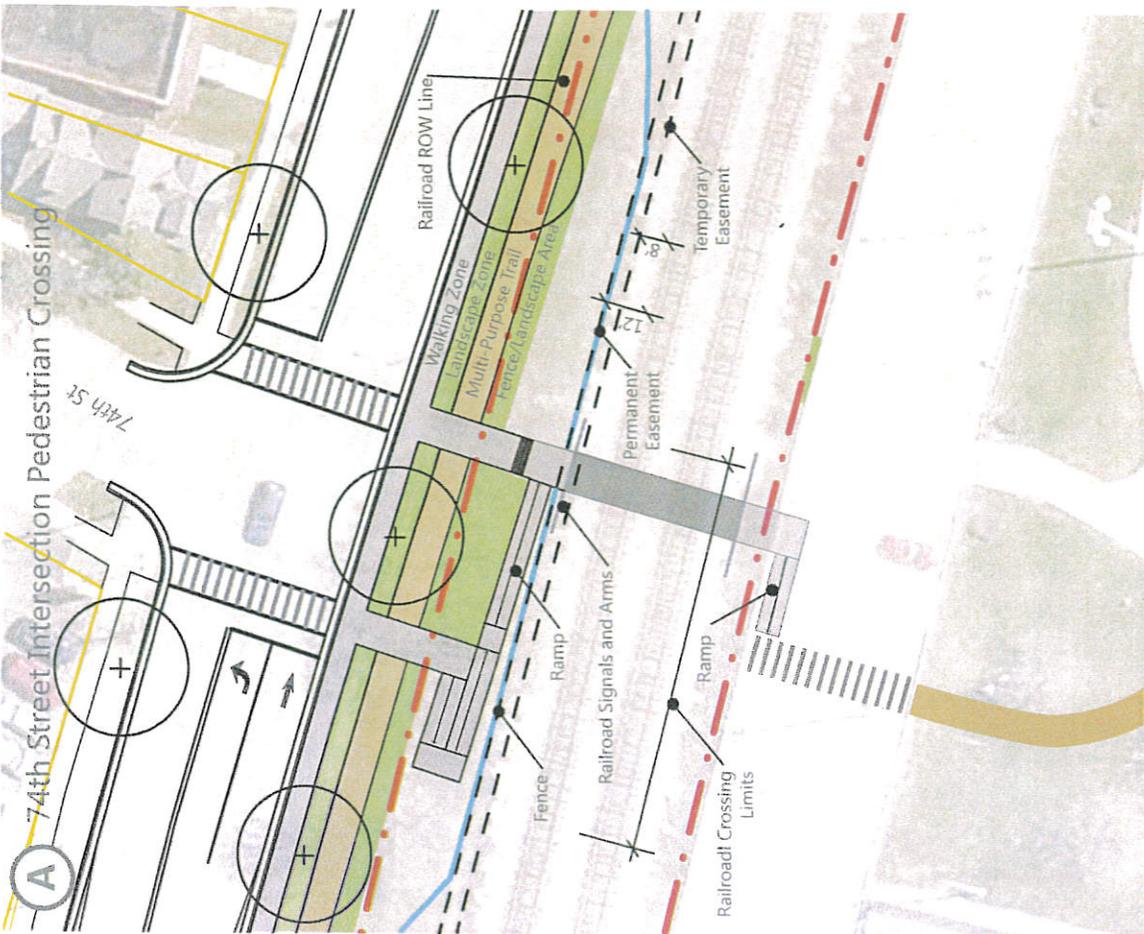
USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ -	\$ 148,500	\$ -	\$ 148,500
Design - other								\$ -
Engineering and Overhead			\$ -	\$ -	\$ -	\$ -	\$ 40,500	\$ 40,500
Land Acquisition								\$ -
Construction			\$ -	\$ -	\$ -	\$ -	\$ 1,350,000	\$ 1,350,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 148,500	\$ 1,390,500	\$ 1,539,000

USE OF FUNDS - BY PROJECT TYPE

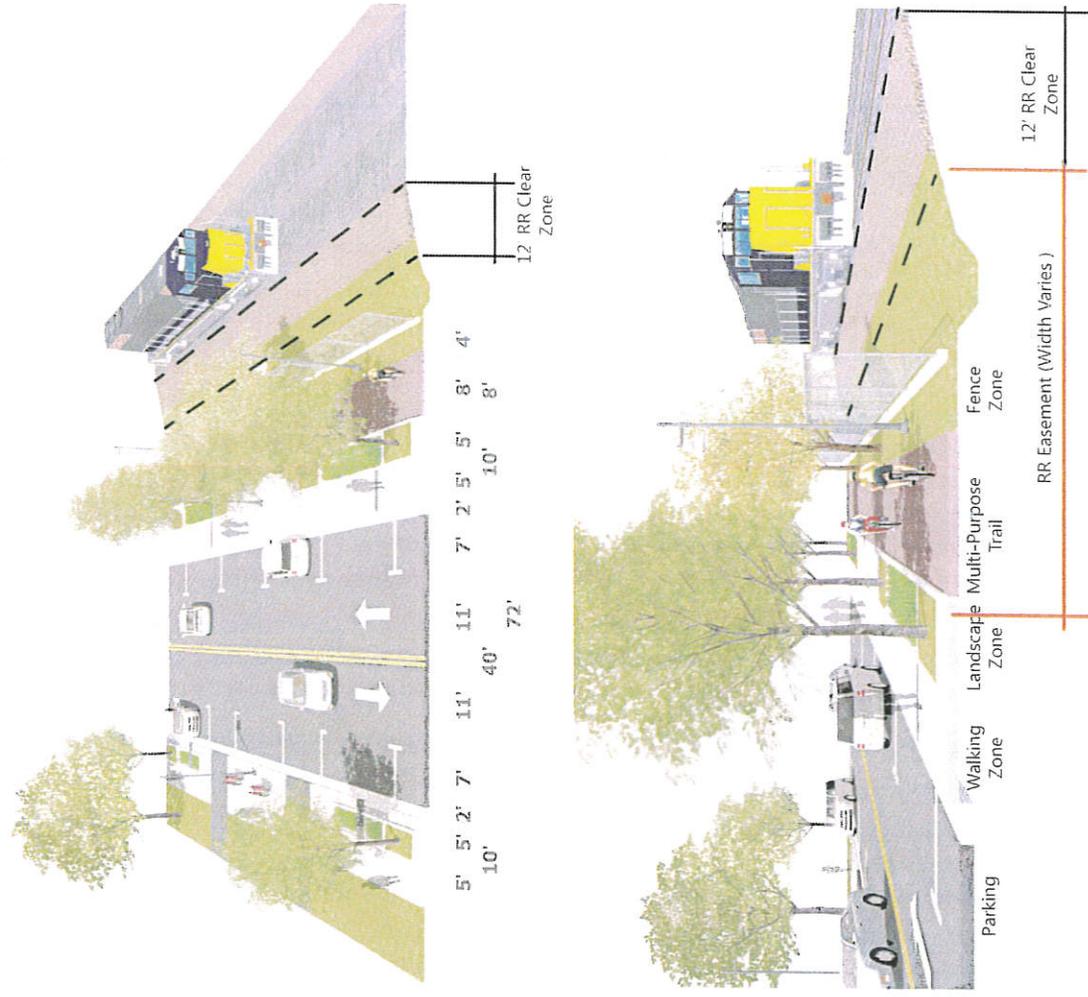
	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ 112,500	\$ 927,000	\$ 1,039,500
Sanitary Sewers			\$ -	\$ -	\$ -	\$ 20,000	\$ 257,500	\$ 277,500
Storm Sewers			\$ -	\$ -	\$ -	\$ 16,000	\$ 206,000	\$ 222,000
Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 148,500	\$ 1,390,500	\$ 1,539,000

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A 74th Street Intersection Pedestrian Crossing

B State Street Proposed Typical Section



Rail Road Easement Request Exhibit 1B

City of Wauwatosa, WI - July 2015

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 74th Street Railroad Crossing
Project No.: 1110

PROJECT DESCRIPTION

Justification:

The installation of a pedestrian crossing of the CP Rail tracks was recommended as part of the Village Plan. The location of the proposed crossing is at 74th street. As preparation for this project, staff met with officials from the State Railroad Commission, CP Rail, the Federal Railroad Administration, and WisDOT. Field observations have highlighted the fact that dozens of people trespass over railroad property on a daily basis, and cross the tracks at unprotected locations in the Village. Permission to install a signalized pedestrian only crossing with gates, lights, bells, ADA compliant ramps was requested in a filing with the Office of the Commissioner of Railroad (OCR). As of this writing (fall 2015) the preliminary finding of the OCR is supportive of the new pedestrian crossing, with some stipulations regarding fencing and use of railroad property. A final decision is expected in 2016 which pushes the likely construction back to 2017 due to design lead time requirements with the railroad signal system.

Year of Construction: 2016-2017 Expected Life of Item/Project: 40 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF		\$ 30,000	\$ -	\$ 437,750				\$ 437,750
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ 30,000	\$ -	\$ 437,750	\$ -	\$ -	\$ -	\$ 437,750

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other		\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering and Overhead			\$ -	\$ 12,750	\$ -	\$ -	\$ -	\$ 12,750
Land Acquisition								\$ -
Construction			\$ -	\$ 425,000	\$ -	\$ -	\$ -	\$ 425,000
Other								\$ -
Total	\$ -	\$ 30,000	\$ -	\$ 437,750	\$ -	\$ -	\$ -	\$ 437,750

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ 437,750	\$ -	\$ -	\$ -	\$ 437,750
Sanitary Sewers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Storm Sewers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF		\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ 30,000	\$ -	\$ 437,750	\$ -	\$ -	\$ -	\$ 437,750

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Pavement Repairs and Spot Improvements
Project No.: 1616

PROJECT DESCRIPTION

Justification:

Incorporated into this annual project are funds for spot repairs to streets with failed sections of asphalt or concrete pavement that are not on the five year plan for capital improvements. The engineering for this work is done by City staff. Work in 2016 will be split between Operation Division projects and work bid out to private contractors. The goal of the City crews is to perform at least \$80,000 of labor costs to be charged to this project. Based on pilot programs and cost analysis done in 2015, the work done by City staff is very competitive with private contractors. Actual areas of concentration will be determined in the spring of 2016, and the bulk of the work will be done in the summer months.

(YTD A and YTD B just reflect prior year actual and prior year budget as this is an annual project)

Year of Construction: 2016-2020 Expected Life of Item/Project: 10 years
Request made by:

SOURCE OF FUNDS SUMMARY

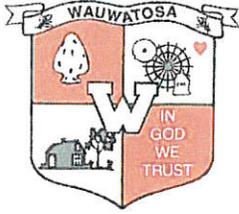
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 60,997							\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer	\$ 60,997	\$ 241,300	\$ 270,300	\$ 275,600	\$ 280,900	\$ 286,200	\$ 291,500	\$ 1,404,500
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 121,994	\$ 241,300	\$ 270,300	\$ 275,600	\$ 280,900	\$ 286,200	\$ 291,500	\$ 1,404,500

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house		\$ 12,500	\$ 7,650	\$ 7,800	\$ 7,950	\$ 8,100	\$ 8,250	\$ 39,750
Design - other			\$ -					\$ -
Engineering and Overhead		\$ 8,800	\$ 7,650	\$ 7,800	\$ 7,950	\$ 8,100	\$ 8,250	\$ 39,750
Land Acquisition								\$ -
Construction	\$ 60,997	\$ 220,000	\$ 255,000	\$ 260,000	\$ 265,000	\$ 270,000	\$ 275,000	\$ 1,325,000
Other								\$ -
Total	\$ 60,997	\$ 241,300	\$ 270,300	\$ 275,600	\$ 280,900	\$ 286,200	\$ 291,500	\$ 1,404,500

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation	\$ 60,997	\$ 241,300	\$ 270,300	\$ 275,600	\$ 280,900	\$ 286,200	\$ 291,500	\$ 1,404,500
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 60,997	\$ 241,300	\$ 270,300	\$ 275,600	\$ 280,900	\$ 286,200	\$ 291,500	\$ 1,404,500



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

TRAFFIC CONTROL

Overview: The City of Wauwatosa has 77 traffic signals to control traffic in the City. Of this number the City is responsible for 38 intersections. Of the remainder, the City of Milwaukee controls 14 signals, and DOT maintains 23 signalized intersections.

Narrative: In 2015 traffic signals were replaced on Burleigh at 112th street, 114th street, and at US 45. The signal at Burleigh and Mayfair Rd is also being upgraded to accommodate the right turn lane from E/B Burleigh to S/B Mayfair Rd.

Also replaced was the signal at 104th and North Ave. as part of the sewer project at that intersection.

In the out years of the Capital Improvement Program, funds were programmed to replace signals outside of planned road work. Since the planned Village Improvements involve the upgrading or replacement of seven different signals, the most of the funds originally dedicated to this project, have been re-directed into that CIP.

The remainder of the funds in this CIP are programmed to replace traffic signals at 68th and Wells, 68th and Wisconsin, and at 70th and Wisconsin Ave as part of planned roadwork on 68th street.

WAUWATOSA MAINTAINED TRAFFIC SIGNALS

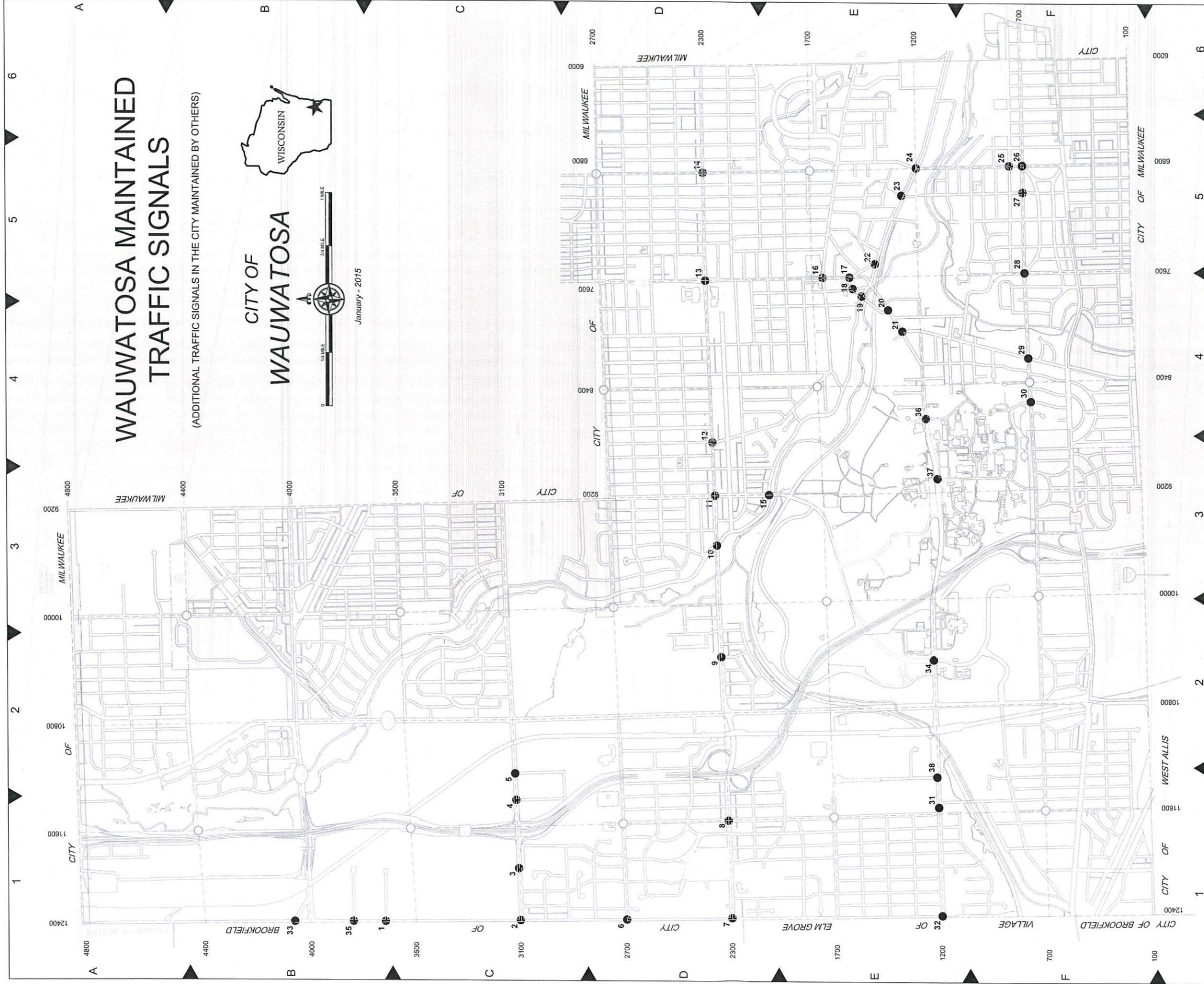
(ADDITIONAL TRAFFIC SIGNALS IN THE CITY MAINTAINED BY OTHERS)



CITY OF
WAUWATOSA



January - 2015



- | | | |
|------------------------------------------|------------------------------------------|------------------------------------------------|
| 1 - W. WIRTH ST & N. 124TH ST | 14 - W. NORTH AVE & N. 68TH ST | 27 - W. WISCONSIN AVE & N. 70TH ST |
| 2 - W. BURLEIGH ST & N. 124TH ST | 15 - MENOMONEE RIVER PKWY & SWAN BLVD | 28 - W. WISCONSIN AVE & N. 76TH ST |
| 3 - W. BURLEIGH ST & N. 119TH ST | 16 - WAUWATOSA AVE & MILWAUKEE AVE | 29 - W. WISCONSIN AVE & GLENVIEW AVE |
| 4 - W. BURLEIGH ST & N. 114TH ST | 17 - HARMONEE AVE & WAUWATOSA AVE | 30 - W. WISCONSIN AVE & PLEASANT VIEW ST |
| 5 - W. BURLEIGH ST & 112TH ST (FUTURE) | 18 - HARMONEE AVE & UNDERWOOD AVE | 31 - N. 115TH/116TH ST & WATERTOWN PLANK RD |
| 6 - N. 124TH ST & W. CENTER ST | 19 - HARMONEE AVE & MENOMONEE RIVER PKWY | 32 - WATERTOWN PLANK RD & N. 124TH ST |
| 7 - W. NORTH AVE & N. 124TH ST | 20 - HARMONEE AVE & HARWOOD AVE | 33 - N. 124TH ST & W. LISBON AVE |
| 8 - W. NORTH AVE & N. 116TH ST | 21 - HARWOOD AVE & GLENVIEW AVE | 34 - WATERTOWN PLANK RD & INNOVATION DR |
| 9 - W. NORTH AVE & N. 104TH ST | 22 - WAUWATOSA AVE & W. STATE ST | 35 - N. 124TH ST & FEERICK ST |
| 10 - W. NORTH AVE & MENOMONEE RIVER PKWY | 23 - N. 70TH ST & W. STATE ST | 36 - WATERTOWN PLANK RD & N. 87TH ST |
| 11 - W. NORTH AVE & SWAN BLVD | 24 - N. 68TH ST & W. STATE ST | 37 - WATERTOWN PLANK RD & N. 92ND ST |
| 12 - W. NORTH AVE & N. 88TH ST | 25 - W. WELLS ST & N. 68TH ST | 38 - WATERTOWN PLANK RD & N. 113TH ST (FUTURE) |
| 13 - W. NORTH AVE & WAUWATOSA AVE | 26 - W. WISCONSIN AVE & N. 68TH ST | |

WAUWATOSA MAINTAINED SIGNAL FLASHERS

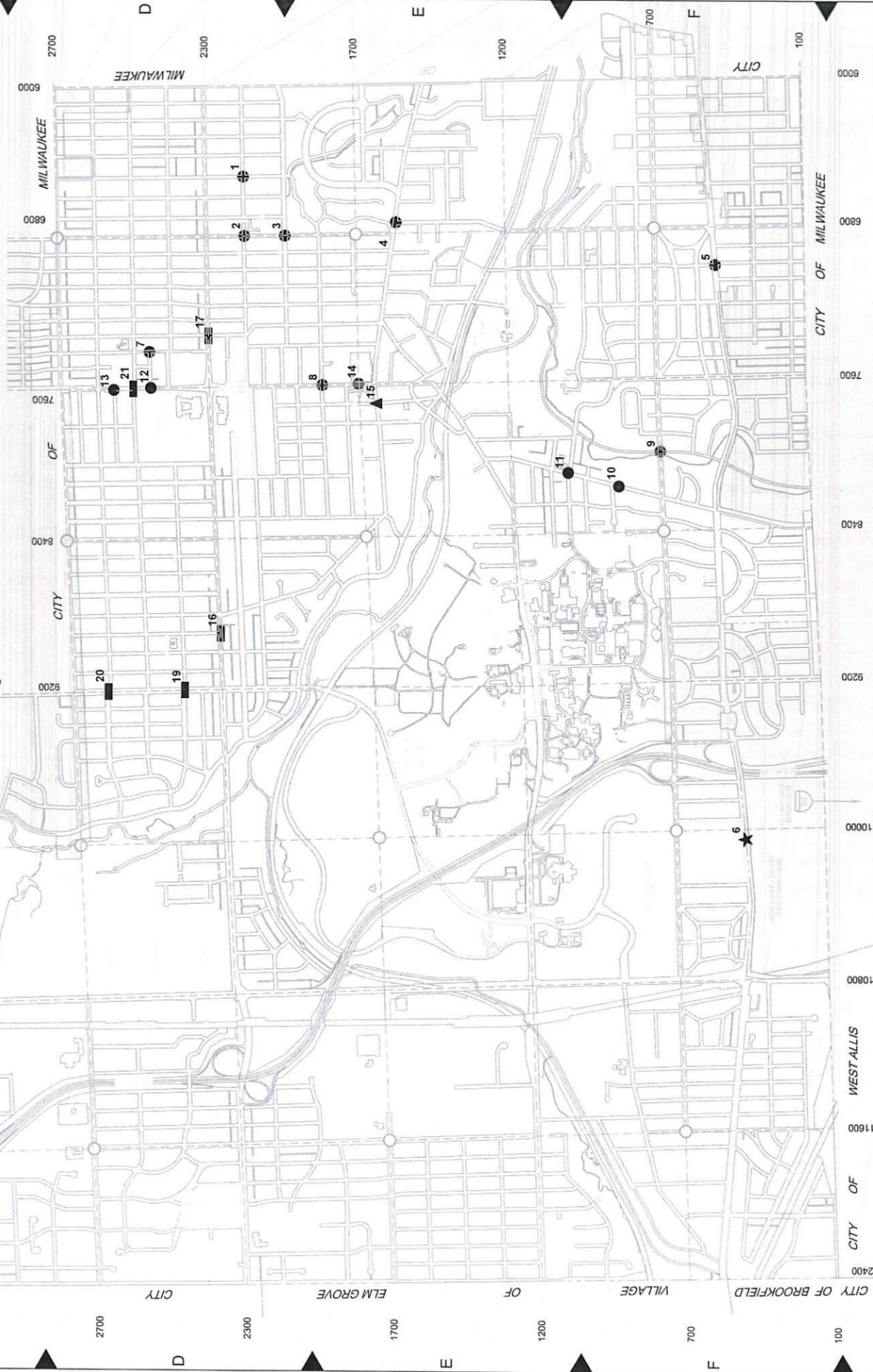


CITY OF
WAUWATOSA



January - 2015

- SIGNAL FLASHERS
- ▲ SOLAR POWERED FLASHING STOP SIGN
- RAPID RECTANGULAR FLASHING BEACON
- ★ PEDESTRIAN HAWK SIGNAL



- | | | |
|-----------------------------|-----------------------------------------------------|------------------------------------|
| 1 - 65th ST & GARFIELD AVE | 8 - WAUWATOSA AVE & HILLCREST DR | 15 - MILWAUKEE AVE & UNDERWOOD AVE |
| 2 - 68th ST & GARFIELD AVE | 9 - WISCONSIN AVE & HONEY CREEK PKWY | 16 - 90th ST & NORTH AVE |
| 3 - 68th ST & LLOYD ST | 10 - GLENVIEW AVE BETWEEN ST. JUDES CT & CURRIE AVE | 17 - 73rd ST & NORTH AVE |
| 4 - 68th ST & MILWAUKEE AVE | 11 - GLENVIEW AVE BETWEEN CURRIE AVE & GRIDLEY AVE | 18 - 100th ST & GLENDALE AVE |
| 5 - 70th ST & BLUEMOUND RD | 12 - WAUWATOSA AVE & HENNESSEY AVE | 19 - SWAN BLVD & MEINCKE AVE |
| 6 - 100th ST & BLUEMOUND RD | 13 - WAUWATOSA AVE & LIVINGSTON AVE | 20 - SWAN BLVD & CLARKE ST |
| 7 - 74th ST & HENNESSEY AVE | 14 - WAUWATOSA AVE SOUTH OF WARREN AVE | 21 - WRIGHT ST & WAUWATOSA AVE |

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Signalized Intersection Improvements
Project No.: 2616

PROJECT DESCRIPTION

Justification:

There are a total of 77 signalized intersections in Wauwatosa. Of that amount, 38 signals are owned by the City of Wauwatosa. The rest of the signals are either owned and/or maintained by the City of Milwaukee or the State Dept. of Transportation. This program is designed to replaced older installations that are not part of specific roadway improvements. In 2015 the signal at 104th and North was replaced as part of the sewer improvement project. In the middle years of the CIP, funds originally programmed for this project have been shifted to CIP#1106, the Village Improvements Project. As part of the three year span of that work effort six signals will be upgraded and a new signal installed. It made sense to include those costs with that project. In 2019 the City owned signals at 68th and Wells, 68th and Wisconsin, and 70th and Wisconsin are planned to be replaced with the 68th Street repaving contract.

Year of Construction: 2016-2020 Expected Life of Item/Project: 20 years
Request made by:

SOURCE OF FUNDS SUMMARY

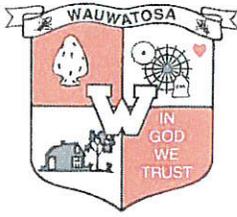
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds		\$ 228,000	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ 228,000	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house		\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design - other								\$ -
Engineering and Overhead		\$ 8,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition								\$ -
Construction		\$ 200,000				\$ 600,000		\$ 600,000
Other								\$ -
Total	\$ -	\$ 228,000	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation		\$ 228,000	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ 228,000	\$ -	\$ -	\$ -	\$ 600,000	\$ -	\$ 600,000



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

TRANSPORTATION: STREET LIGHTING

Overview: The City of Wauwatosa maintains approximately 6,000 streetlights, and over one million feet of cable. The system is divided into 47 substations that are maintained by the Traffic and Electrical Division of the Public Works Department. An updated map depicting those substations follows this narrative.

Narrative: The street lighting system primarily consists of 30-40 year old cable with concrete poles. As the system is upgraded, new aluminum poles are being installed which should reduce long term maintenance costs. These poles have a concrete base, and so knockdowns can be repaired without resorting to digging up the old base. The aluminum poles also will not be subject to rust or corrosion by salt.

The City is currently approximately 18% converted to LED system lighting. The conversion has been shown to save energy costs.

In 2015, the streetlights on Milwaukee Ave from Wauwatosa Ave to 83rd Street were upgraded to LED. Also replaced were the lights on the streets that were being repaved as part of the 2015 street repaving program. City forces will also assume responsibility for the lighting system installed at the Locust Street drop off center for Whitman and Wauwatosa West High School.

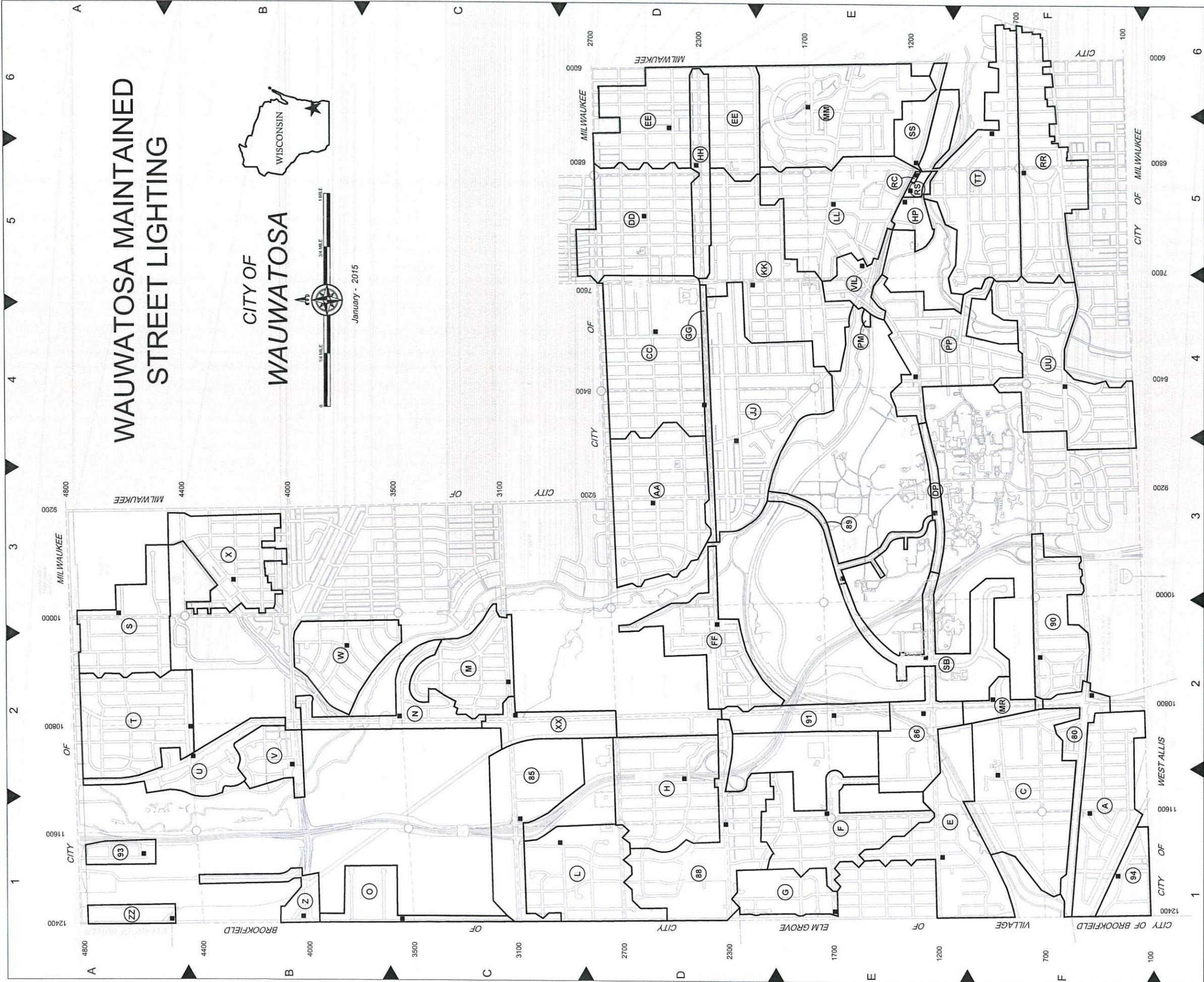
Planned for 2016 is a major renewal of the lighting on the Village streets to be built in 2016. They include Menomonee River Parkway/State Street from Church Street to Wauwatosa Ave, the sections of Underwood from State to Harmonie, and Harwood to just south of Root Common. Conversion of these lights to LED from HPS, and in support of planned redevelopment proposals are the reason for these lighting systems being upgraded.

It should be noted that as part of the annual street resurfacing program, it is standard procedure to upgrade lighting systems with new cables and LED lights. The following table highlights the annual investment in streetlight upgrades that are part of the paving program.

<u>YEAR</u>	<u>INVESTMENT IN NEW LED STREETLIGHTS</u>
2016	\$578,125
2017	\$525,781
2018	\$858,333

2019	\$620,833
2020	<u>\$1,057,292</u>
TOTAL 5 YEAR INVESTMENT	\$3,640,364

It has been the practice for several years to budget funds for streetlight upgrades outside of paving. Those funds have been zeroed out until the out years of the CIP. This action does not represent any less re-investment in the City's lighting system than planned. The funds have been re-directed towards lighting improvements planned in the Village, and the expenses are shown in that CIP Project.



WAUWATOSA MAINTAINED STREET LIGHTING

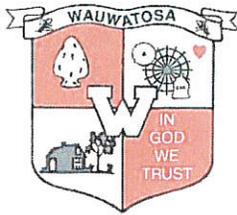


CITY OF WAUWATOSA



January - 2015

- 80 - SE CORNER OF BLUEMOUND RD & MAYFAIR RD
- 85 - SE CORNER OF BURLEIGH ST & NB HWY 45 OFF RAMP (UNDER WATER TOWER)
- 86 - NW CORNER OF MAYFAIR RD & WATERTOWN PLANK RD
- 88 - WEST MEDIAN OF NORTH AVE AT N. 116th ST
- 89 - SWAN BLVD WEST OF DISCOVERY PKWY
- 90 - SW CORNER OF N. 104th ST & WISCONSIN AVE
- 91 - SW CORNER OF MAYFAIR RD & WALNUT RD
- 93 - W. GLENDALE AVE & 4600 BLK OF N. 118th ST
- 94 - NW CORNER OF W. RIPLEY AVE & N. 121st ST
- A - IN ISLAND OF N. 116th ST & W. MARTHA DR
- C - 900 BLK OF N. 113th ST (N OF POTTER RD)
- E - 11900 BLK OF WATERTOWN PLANK RD
- F - NE CORNER OF 116th ST & WALNUT RD
- G - SE CORNER OF N. 124th ST & WALNUT RD
- H - NE CORNER OF N. 113th ST & W. MEINECKE AVE
- L - BEHIND 2900 N. 117th ST
- M - EAST MEDIAN OF W. BURLEIGH ST & N. 105th ST
- N - NE CORNER OF MAYFAIR RD & W. KEEFE AVE
- O - 3515 N. 124th ST
- S - NE CORNER OF N. 100th ST & W. GLENDALE AVE
- T - S. SIDE OF W. CONGRESS AT N. 109th ST
- U - SE CORNER OF MAYFAIR RD & W. CONGRESS ST
- V - 11000 BLK OF W. CAPITOL DR
- W - IN ISLAND OF N. 102nd ST & W. VIENNA AVE
- X - IN ISLAND OF W. PALMETTO AVE & W. HOPE AVE
- Z - NE CORNER OF N. 124th ST & W. CAPITOL DR
- AA - NW CORNER OF SWAN BLVD & WILSON BLVD
- CC - SE CORNER OF N. 80th ST & W. WRIGHT ST
- DD - W. WRIGHT ST BETWEEN 71st ST & 72nd ST
- DP - NE CORNER OF DISCOVERY PKWY & WATERTOWN PLANK RD
- EE - W. MEINECKE AVE BETWEEN 64th ST & 65th ST
- FF - NORTH AVE MEDIAN BETWEEN 101st ST & 102nd ST
- GG - NW CORNER OF 85th ST & NORTH AVE
- HH - NW CORNER OF 67th ST & NORTH AVE
- HP - SW CORNER OF 70th ST & STATE ST SOUTH OF RR TRACKS
- JJ - NW CORNER OF W. STICKNEY AVE & N. LUDINGTON AVE
- KK - 7621 W ROGERS AVE
- LL - SW CORNER OF N. 70th ST & W. MILWAUKEE AVE
- MM - 1715 MARTHA WASHINGTON DR
- MR - NE CORNER OF RESEARCH DR & MAYFAIR RD
- PM - SW CORNER OF VILLAGE PEDESTRIAN BRIDGE
- PP - NE CORNER OF WATERTOWN PLANK RD & ELM LAWN
- RC - IN HART PARK, W OF N. 68th ST & S OF RR TRACKS
- RS - IN HART PARK, E OF N. 70th ST & S OF RR TRACKS
- RR - SW CORNER OF N. 68th ST & W. WISCONSIN AVE
- SB - NE CORNER OF SWAN BLVD & WATERTOWN PLANK RD
- SS - SE CORNER OF 68th ST & STATE ST
- TT - N. 66th ST & CEDAR ST
- UU - 8400 BLK OF W. BLUEMOUND RD IN MEDIAN
- XX - SE CORNER OF BURLEIGH ST & MAYFAIR RD
- ZZ - 4480 N. 124th ST
- VIL - 1400 BLK OF WAUWATOSA AVE



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

TRANSPORTATION: SIDEWALKS

Overview: The City of Wauwatosa maintains approximately 5,111,600 square feet of public sidewalk within City limits.

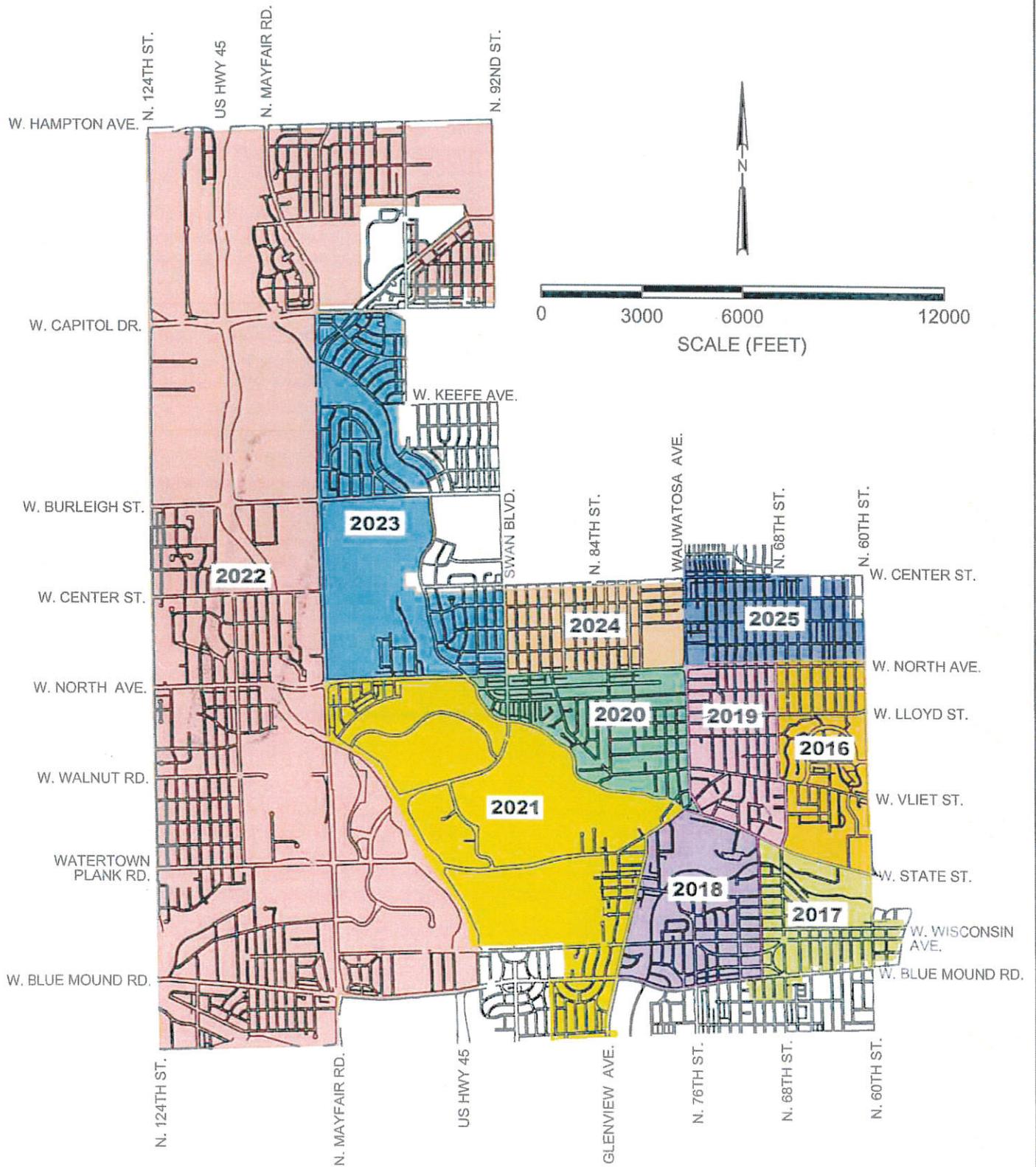
Narrative: Sidewalks are maintained in three different ways. First, the City Engineering Department inspects approximately one tenth of the walks in the City on an annual basis. Sections of deteriorated walk are noted and assembled into a list for replacement the following year. A contract is put out to bid and the City does the inspection to ensure the work is done correctly. 125% of the cost of sidewalk repairs is assessed to the property owner. The additional 25% of the actual cost compensates the City for inspectional services associated with the program. The property owner has the option to pay the entire cost in one year, or to spread the cost of sidewalk replacement over 5 years.

In 2014 a pilot program to use City crews to replace sidewalk as part of the annual program was conducted. Labor, material, and equipment costs were analyzed, and on a fully allocated cost basis, the City crews were not competitive with private companies. As such, this pilot program was not renewed.

The second manner in which sidewalks are repaired is through major public construction projects by outside agencies. These costs may or may not be assessed to the property owner depending on the circumstances. For example, if the sidewalk was disturbed due to installation of a utility line, these costs are not usually assigned to the resident. An example of this approach at work is the new Center Street sidewalk east and west of the bridge over US 45. As a result of ongoing discussions with the neighbors, and an opportunity to implement the recommendations of the City/School District funded School Crossing Safety Study, DOT has agreed to install this walk in conjunction with the Center Street bridge replacement project which is planned for 2016, DOT budget permitting. The new walk on the south side of Center Street and on side streets where crossing guards are located.

The final way sidewalks are replaced is through work done on a spot basis by Public Works crews. If for example, a bad section of sidewalk was reported, and the regular program was years away, the Department may ramp the square with asphalt to eliminate the trip edge. This work is done at no cost to the resident.

Following the narrative is a map detailing the 10 year schedule for the neighborhood sidewalk program. Planned for 2016 is the northeast quadrant of the City.



WAUWATOSA, WISCONSIN

PROPOSED SIDEWALK REPAIR PROGRAM 2016 - 2025

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Sidewalk Improvement Program
Project No.:	2016

PROJECT DESCRIPTION

Justification:
 The sidewalk improvement program is an annual program in Wauwatosa. The City is divided into sections based on a ten year cycle. Engineering staff surveys the section for sidewalk defects the year preceding the work. Based on the quantities shown by the survey, a plan set is bid out for a contractor to do the work in the year planned. The cost for this work is assessed to the resident(s) who benefit from the sidewalk repairs. The work planned for 2016 is concentrated in the section of Wauwatosa between North Ave., 68th Street, and State Street.

(YTD A and YTD B just reflect prior year actual and prior year budget as this is an annual project)

Year of Construction:	2016-2020	Expected Life of Item/Project:	40 years
Request made by:			

SOURCE OF FUNDS SUMMARY

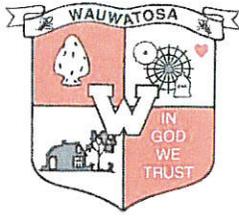
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 700,000	\$ 306,250	\$ 281,000	\$ 187,500	\$ 144,000	\$ 100,500	\$ 106,999	\$ 819,999
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment	\$ 56,811	\$ 150,000	\$ 200,000	\$ 300,000	\$ 350,000	\$ 400,000	\$ 400,001	\$ 1,650,001
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 756,811	\$ 456,250	\$ 481,000	\$ 487,500	\$ 494,000	\$ 500,500	\$ 507,000	\$ 2,470,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house	\$ 247,656	\$ 73,000	\$ 92,500	\$ 93,750	\$ 95,000	\$ 96,250	\$ 97,500	\$ 475,000
Design - other								\$ -
Engineering and Overhead		\$ 18,250	\$ 18,500	\$ 18,750	\$ 19,000	\$ 19,250	\$ 19,500	\$ 95,000
Land Acquisition								\$ -
Construction	\$ 509,155	\$ 365,000	\$ 370,000	\$ 375,000	\$ 380,000	\$ 385,000	\$ 390,000	\$ 1,900,000
Other								\$ -
Total	\$ 756,811	\$ 456,250	\$ 481,000	\$ 487,500	\$ 494,000	\$ 500,500	\$ 507,000	\$ 2,470,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation	\$ 756,811	\$ 365,000	\$ 481,000	\$ 487,500	\$ 494,000	\$ 500,500	\$ 507,000	\$ 2,470,000
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 756,811	\$ 365,000	\$ 481,000	\$ 487,500	\$ 494,000	\$ 500,500	\$ 507,000	\$ 2,470,000



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

TRANSPORTATION: BRIDGES

Overview: According to Wisconsin Department of Transportation (DOT) records, there are a total of 65 separate structures in Wauwatosa. Of that number only 13 are owned and maintained by the City of Wauwatosa. 6 are owned by the City of Milwaukee, 7 are owned by railroads, and 39 are owned by DOT.

Narrative: City owned bridges are inspected on a regular basis by City staff. DOT structures are inspected by state forces.

As part of the Zoo Interchange project, it is estimated that 14 DOT bridges will be replaced. This is a significant infrastructure investment in Wauwatosa. In addition, the bridges and retaining walls will be improved aesthetically so that there is a coherent theme throughout the project.

In 2012 and into 2013, the Harmonee Bridge received a structural rehabilitation. Steel members that had cracked were repaired or replaced. Due to contractor performance issues, the last component of the project; that being the replacement of the expansion joints was not accomplished. This work was planned for 2015 but was not completed. It has been re-programmed for 2016.

As part of bridge spot repairs in 2016, an epoxy coating will be applied to the 68th and 70th Street bridges. This will help prevent water and salt from penetrating the deck and causing corrosion to the steel re-bar.

In 2016 DOT will reconstruct the Center Street bridge, and associated utility and sidewalk improvements will be built.

The City has accepted ownership and maintenance responsibility for the recently completed pedestrian bridge over Watertown Plank Rd.

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Bridge Spot Repair
Project No.: 2216

PROJECT DESCRIPTION

Justification:

City Engineering Dept. staff inspects all City owned structures in Wauwatosa every other year. The intent of this program is to have a small amount of funds available to take care of minor problems found during inspections. Examples of these types of repairs are to replace expansion joints, do minor painting, spall corrections or other ancillary items. For 2016 programmed work includes placing a thin epoxy overlay on the 68th and 70th street bridges over the Menomonee River. This work was originally scheduled for 2013 but a window for construction was difficult to find given DOT work on Glenview Ave, Wisconsin Ave and Mayfair Rd. Also programmed for 2016 is the replacement of the expansion joints on the Harmonie bridge. This work will be done as part of the planned Village Improvements contract.

Year of Construction: 2016-2020 Expected Life of Item/Project: 20 years

Request made by:

SOURCE OF FUNDS SUMMARY

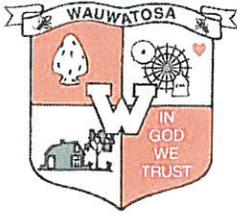
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ -	\$ -						\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer	\$ -	\$ 58,250	\$ 57,750	\$ 57,750	\$ 57,750	\$ 59,483	\$ 61,267	\$ 293,999
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ 58,250	\$ 57,750	\$ 57,750	\$ 57,750	\$ 59,483	\$ 61,267	\$ 293,999

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house	\$ -	\$ 25,000	\$ 6,250	\$ 6,250	\$ 6,250	\$ 6,438	\$ 6,631	\$ 31,818
Design - other								\$ -
Engineering and Overhead	\$ -	\$ 8,000	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,545	\$ 1,591	\$ 7,636
Land Acquisition								\$ -
Construction	\$ -	\$ 200,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 51,500	\$ 53,045	\$ 254,545
Other								\$ -
Total	\$ -	\$ 233,000	\$ 57,750	\$ 57,750	\$ 57,750	\$ 59,483	\$ 61,267	\$ 293,999

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation	\$ -	\$ 233,000	\$ 57,750	\$ 57,750	\$ 57,750	\$ 59,483	\$ 61,267	\$ 293,999
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ 233,000	\$ 57,750	\$ 57,750	\$ 57,750	\$ 59,483	\$ 61,267	\$ 293,999



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

SANITARY SEWERS

Overview: A continuing focus of the five year Capital Improvement Program is to undertake projects that mitigate basement flooding problems for Wauwatosa residents. Going back to storm events in 2008, 2009, and 2010, severe weather led to many basements being flooded. The capital projects in this section are geared to reduce the likelihood and severity of basement flooding during intense rain storms and re-invest in a major City asset; its sanitary sewer system.

Narrative:

The following table has been updated from last year's CIP. It demonstrates the City's financial commitment to upgrading the sanitary sewer system.

2010	\$ 835,097
2011	\$ 2,420,706
2012	\$ 5,872,291
2013	\$ 3,367,940
2014	\$ 6,808,841
2015	\$ 3,572,695
2016-2020	\$19,519,670
TOTAL	\$42,397,240

This level of investment is what is necessary to adequately maintain the system according to the State of Good Repair analysis. To support this level of investment, a rate increase of 11% (net effect on residential bills is 8%) is required in 2016.

Experience has shown that basement flooding is neither quick, nor cheap to remedy. The reality is that much of the sanitary sewer system in Wauwatosa is nearing the end of its useful life. Although the public portion of the system is well maintained, receives regular cleaning, and inspections, ongoing repairs, replacement, and relining are necessary to keep the system in good repair. Sections of the system are targeted for intensive analysis annually. This analysis includes flow monitoring, television inspection, and modeling to determine if capacity can be cost effectively improved.

The reality is, however, that no amount of public sewer repair or rehabilitation can achieve enough clearwater removal to greatly reduce the incidence of basement flooding. To achieve that amount of clearwater removal, private

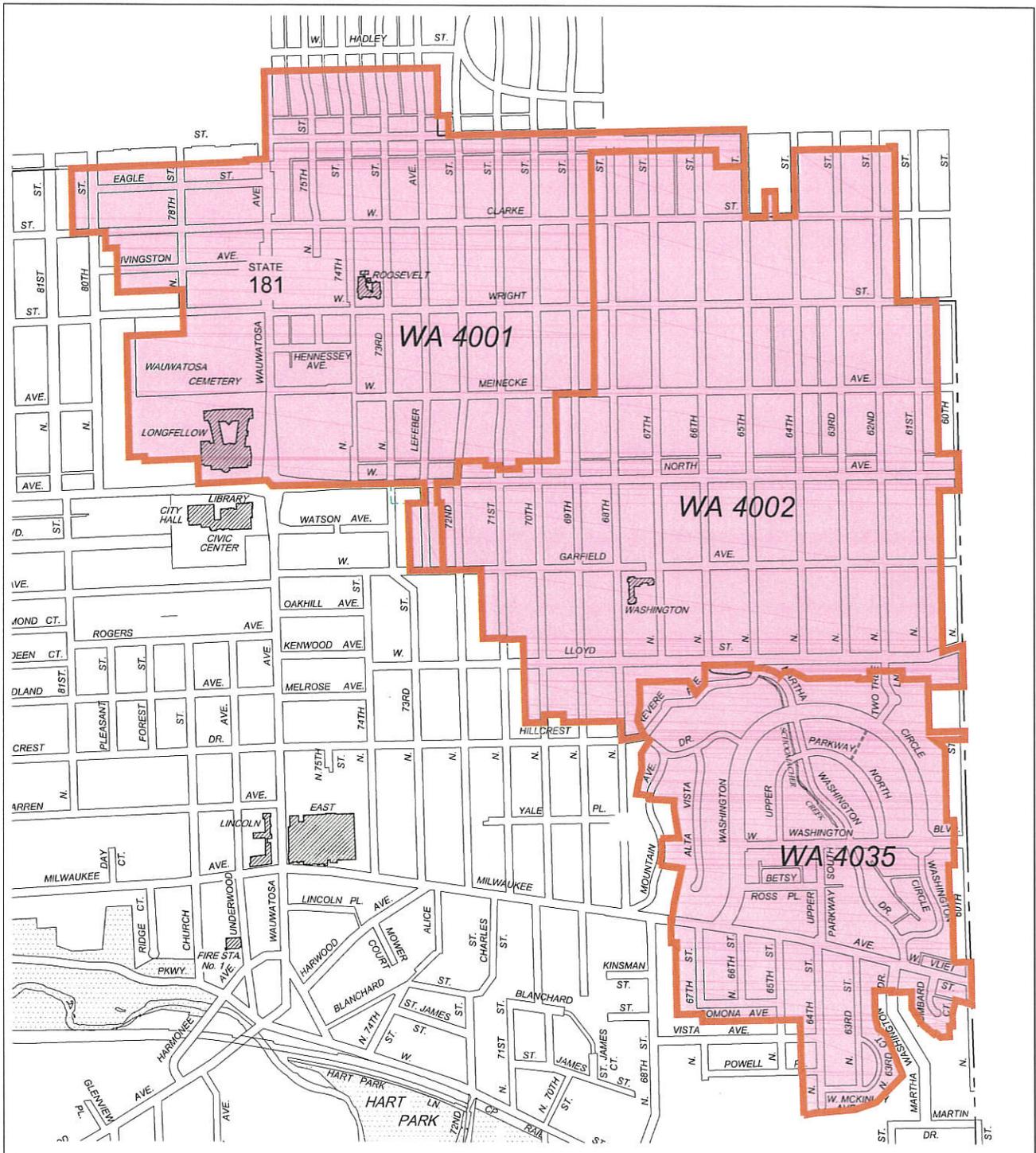
laterals must be targeted. To that end the City is experimenting with several different lateral rehabilitation techniques.

In 2012, a lateral lining pilot program was done. A second pilot program was undertaken in 2013 and 2014 to grout the first five feet of lateral. This program was concentrated in the East Tosa sewersheds. Empirical analysis has shown lateral grouting to be an effective means of removing I/I from the system. Recent contracts in 2015 have been including grouting ten feet of lateral in addition to lining the public sewer. Further analysis will tell if this is more effective than the five foot of lining.

Planned for 2016 are projects to be completed as part of the Village Improvements that will also positively impact basement flooding issues. Replacement of sewers in the area surrounding the State Street Station development, and elsewhere in the Village over the next three years will reduce I/I in the Village. Some of these sewers date to the initial development of the Village in the nineteenth century.

In the out years of the Capital Improvement Program, other projects include continuing to line and grout public sewers in East Tosa, and along 68th Street and Wisconsin Avenue. These basement flooding projects are in addition to the routine repairs, relining and replacement of sanitary sewers, and manholes that are done as part of the annual resurfacing program.

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2014 Utility Project

Basin WA4001, WA4002 and WA4035

Sanitary Sewer I & I Program Improvements and Flood Relief (Tosa East)

Project #3005

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Tosa East Utility Improvements and Flood Relief
Project No.:	3005

PROJECT DESCRIPTION

Justification:
 In 2013, with the consent of the neighbors, the City approached MMSD regarding the jurisdictional transfer of Schoonmaker Creek. Having Schoonmaker Creek under MMSD jurisdiction would ensure a regional approach to the storm water issue. Planned for 2014 was a large scale sanitary sewer lining project in the upper reaches of the sewershed. This project is now anticipated to take place in 2016 and be coupled with funding from previous years. These sewers will not be affected by any future upsizing or sewer relief project. Regarding storm sewers, the City has retained a consultant to look at the cost effectiveness of storm hardening the homes that are the most susceptible to overland flooding. Since it will be many years before the pipe solution will bring relief to these homes, a small amount of funds spent to reduce the flood damages in these areas could go a long way towards reducing risks and anxiety for these homeowners. The effectiveness of the lateral grouting pilot program may affect the scope of the planned sanitary sewer upgrades.

Year of Construction:	2016-TBD	Expected Life of Item/Project:	72 years
Request made by:			

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San	\$ 13,445	\$ 1,530,000	\$ 1,110,000	\$ 1,110,000	\$ 1,110,000	\$ 1,330,000	\$ 1,330,000	\$ 5,990,000
Rate-backed Bonds- Storm	\$ 74,393	\$ 80,000	\$ -	\$ 40,000	\$ 579,000	\$ 1,004,000	\$ 1,467,500	\$ 3,090,500
Rate-backed Bonds - Water		\$ -	\$ -	\$ 80,000	\$ 1,118,000	\$ 1,229,000	\$ 1,332,000	\$ 3,759,000
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants/Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 87,838	\$ 1,610,000	\$ 1,110,000	\$ 1,230,000	\$ 2,807,000	\$ 3,563,000	\$ 4,129,500	\$ 12,839,500

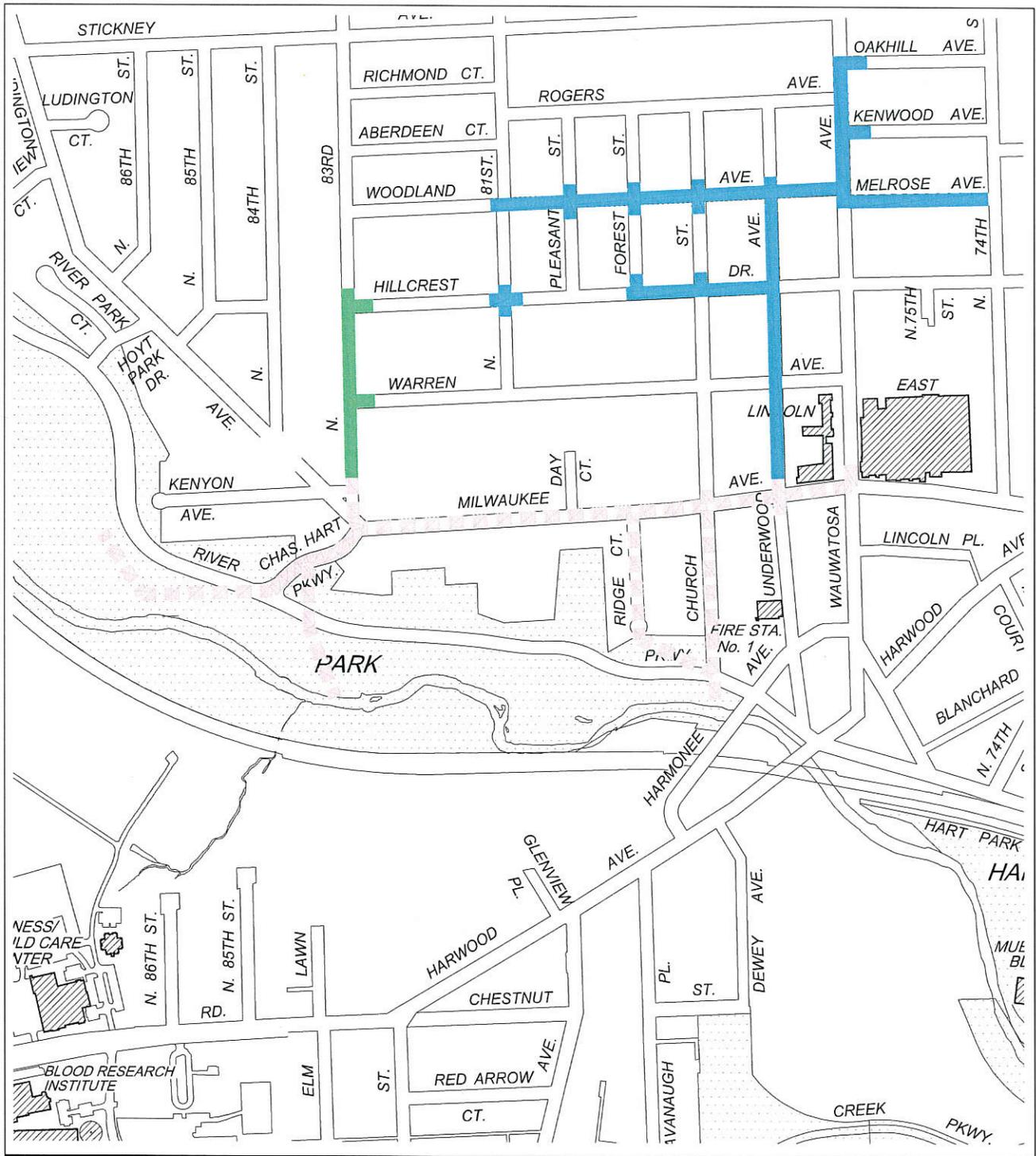
USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house	\$ 37,762		\$ 80,000	\$ 200,000	\$ 232,000	\$ 576,000	\$ 576,000	\$ 1,664,000
Design - other	\$ 50,077	\$ 250,000						\$ -
Engineering and Overhead	\$ -	\$ 50,000	\$ 30,000	\$ 30,000	\$ 75,000	\$ 87,000	\$ 103,500	\$ 325,500
Land Acquisition								\$ -
Construction	\$ -	\$ 1,310,000	\$ 1,000,000	\$ 1,000,000	\$ 2,500,000	\$ 2,900,000	\$ 3,450,000	\$ 10,850,000
Other								\$ -
Total	\$ 87,839	\$ 1,610,000	\$ 1,110,000	\$ 1,230,000	\$ 2,807,000	\$ 3,563,000	\$ 4,129,500	\$ 12,839,500

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitary Sewers	\$ 13,445	\$ 1,530,000	\$ 1,110,000	\$ 1,110,000	\$ 1,110,000	\$ 1,330,000	\$ 1,330,000	\$ 5,990,000
Storm Sewers	\$ 74,393	\$ 80,000	\$ -	\$ 40,000	\$ 579,000	\$ 1,004,000	\$ 1,467,500	\$ 3,090,500
Water		\$ -	\$ -	\$ 80,000	\$ 1,118,000	\$ 1,229,000	\$ 1,332,000	\$ 3,759,000
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 87,838	\$ 1,610,000	\$ 1,110,000	\$ 1,230,000	\$ 2,807,000	\$ 3,563,000	\$ 4,129,500	\$ 12,839,500

\$	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
\$	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-



City Hall South Utility Improvements

- Phase I - Upsize and reroute sanitary, storm and water (Completed in 2015)
- Phase II - Upsize sanitary, storm and water 2017 construction
- Phase III - Upsize storm sewer (beyond 2020)
- Not shown - Additional utility work primarily east of Wauwatosa Ave (Year TBD)

Project #

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: City Hall South Sanitary Sewer Improvements
Project No.: 3006

PROJECT DESCRIPTION

Justification:

Currently a consultant is studying the section of the City defined by sewershed WA 4003. This sewershed is the section of the City largely south of City Hall to State Street and the Menomonee River. During heavy rainfall events there have been reports of significant basement flooding. In 2014 and into 2015, the Milwaukee Ave project installed a new outfall to the Menomonee river at the base of Church Street. The diversion of this stormwater from its old path down Underwood Ave to the river provides significant relief to the businesses and residents in this area. The next step is to extend the relief sewer upstream further into the neighborhood to control the run-off and be sure that it stays within the new pipe system by increasing conveyance and inlet capacity. As this project will install large diameter pipes in the roadway, adjunct replacements to the other utilities and pavements will also be part of this project. Design work is expected to begin in 2016 with phased construction to begin in 2017.

Year of Construction: 2016-2020 Expected Life of Item/Project: 72 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- San		\$ -	\$ 80,000	\$ 1,030,000	\$ -	\$ 60,000	\$ 772,500	\$ 1,942,500
Rate-backed Bonds- Storm			\$ 240,000	\$ 3,090,000	\$ -	\$ 60,000	\$ 772,500	\$ 4,162,500
Rate-backed Bonds - Water			\$ 64,960	\$ 836,360	\$ -	\$ -	\$ -	\$ 901,320
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ 384,960	\$ 4,956,360	\$ -	\$ 120,000	\$ 1,545,000	\$ 7,006,320

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ 384,960	\$ -	\$ -	\$ 120,000	\$ -	\$ 504,960
Design - other		\$ -						\$ -
Engineering and Overhead			\$ -	\$ 144,360	\$ -	\$ -	\$ 45,000	\$ 189,360
Land Acquisition								\$ -
Construction			\$ -	\$ 4,812,000	\$ -	\$ -	\$ 1,500,000	\$ 6,312,000
Other								\$ -
Total	\$ -	\$ -	\$ 384,960	\$ 4,956,360	\$ -	\$ 120,000	\$ 1,545,000	\$ 7,006,320

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitary Sewers		\$ -	\$ 80,000	\$ 1,030,000	\$ -	\$ 60,000	\$ 772,500	\$ 1,942,500
Storm Sewers			\$ 240,000	\$ 3,090,000	\$ -	\$ 60,000	\$ 772,500	\$ 4,162,500
Water			\$ 64,960	\$ 836,360	\$ -	\$ -	\$ -	\$ 901,320
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ 384,960	\$ 4,956,360	\$ -	\$ 120,000	\$ 1,545,000	\$ 7,006,320

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 68th and Wisconsin Ave Sanitary Improvements
Project No.: 3007

PROJECT DESCRIPTION

Justification:
This area of Wauwatosa has been found to have a high incidence of basement flooding. Funds for this project will address the public sector work required to tighten up the leaks in the system and reduce clear water I/I into the sanitary sewer system.
Design work has been rescheduled for design in 2018 and construction for 2019.

Year of Construction: 2019 Expected Life of Item/Project: 72 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- San	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,030,000	\$ -	\$ 1,030,000
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,030,000	\$ -	\$ 1,030,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house		\$ -	\$ -	\$ -				\$ -
Design - other	\$ -	\$ -						\$ -
Engineering and Overhead				\$ -	\$ -	\$ 30,000		\$ 30,000
Land Acquisition								\$ -
Construction				\$ -		\$ 1,000,000		\$ 1,000,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,030,000	\$ -	\$ 1,030,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,030,000		\$ 1,030,000
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,030,000	\$ -	\$ 1,030,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Underwood Creek South Sanitary Improvements
Project No.: 3008

PROJECT DESCRIPTION

Justification:

As part of an ongoing effort to improve the structural condition of the City's sanitary sewers and also reduce the incidence of basement flooding during intense rainfall events, the next section of the City to be investigated will be the neighborhood shown on the map following this project sheet. The sewersheds in Wauwatosa, south of Underwood Creek Parkway have had their sewers televised using rainfall simulation techniques, and then analyzed along with flow metering data to determine where necessary repairs/replacements are required to maintain the systems in a state of good repair. The data has been received and is awaiting analysis.

Year of Construction: 2018-2020 Expected Life of Item/Project: 72 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ -		\$ -
Rate-backed Bonds- San			\$ -	\$ -	\$ 222,000	\$ 222,000	\$ 222,000	\$ 666,000
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 222,000	\$ 222,000	\$ 222,000	\$ 666,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design - other			\$ -	\$ -	\$ 16,000	\$ 16,000	\$ 16,000	\$ 48,000
Engineering and Overhead			\$ -	\$ -	\$ 6,000	\$ 6,000	\$ 6,000	\$ 18,000
Land Acquisition								\$ -
Construction			\$ -	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 600,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 222,000	\$ 222,000	\$ 222,000	\$ 666,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitary Sewers			\$ -	\$ -	\$ 222,000	\$ 222,000	\$ 222,000	\$ 666,000
Storm Sewers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 222,000	\$ 222,000	\$ 222,000	\$ 666,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Sanitary Lining Independent of Paving
Project No.: 3100

PROJECT DESCRIPTION

Justification:

With the shifting of the paving program to accommodate the Village Improvements, some funds from the sanitary sewer budget were "freed" up for reprogramming. The intent of this program is to line and repair sanitary sewers in locations that are outside the paving program where spot repairs and relining will bring the system back to a State of Good Repair. These locations will be determined by the Engineering staff and a contract will be let for this work in 2017-2020.

Year of Construction: 2017-2020 Expected Life of Item/Project: 72 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ -		\$ -
Rate-backed Bonds- San			\$ -	\$ 555,000	\$ 555,000	\$ 555,000	\$ 555,000	\$ 2,220,000
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ 555,000	\$ 555,000	\$ 555,000	\$ 555,000	\$ 2,220,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design - other				\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 160,000
Engineering and Overhead				\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 60,000
Land Acquisition								\$ -
Construction				\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,000,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 555,000	\$ 555,000	\$ 555,000	\$ 555,000	\$ 2,220,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitary Sewers				\$ 555,000	\$ 555,000	\$ 555,000	\$ 555,000	\$ 2,220,000
Storm Sewers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ 555,000	\$ 555,000	\$ 555,000	\$ 555,000	\$ 2,220,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Sanitary Sewer Spot Improvements
Project No.: 3016

PROJECT DESCRIPTION

Justification:

During the course of a year, sink holes develop on the street or review of television tapes highlight area of concern in the City's sewer system. Often these problems are of such a nature that repairs must be done on an emergency basis. This account will provide funds to pay for the repairs.

Year of Construction: 2016-2020 Expected Life of Item/Project: 72 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds							\$ -	\$ -
Rate-backed Bonds- San	\$ -	\$ 52,000	\$ 51,500	\$ 51,500	\$ 51,500	\$ 53,045	\$ 54,636	\$ 262,181
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ 52,000	\$ 51,500	\$ 51,500	\$ 51,500	\$ 53,045	\$ 54,636	\$ 262,181

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design - other								\$ -
Engineering and Overhead	\$ -	\$ 2,000	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,545	\$ 1,591	\$ 7,636
Land Acquisition								\$ -
Construction	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 51,500	\$ 53,045	\$ 254,545
Other								\$ -
Total	\$ -	\$ 52,000	\$ 51,500	\$ 51,500	\$ 51,500	\$ 53,045	\$ 54,636	\$ 262,181

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitary Sewers	\$ -	\$ 52,000	\$ 51,500	\$ 51,500	\$ 51,500	\$ 53,045	\$ 54,636	\$ 262,181
Storm Sewers								\$ -
Water			\$ -	\$ -		\$ -	\$ -	\$ -
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ 52,000	\$ 51,500	\$ 51,500	\$ 51,500	\$ 53,045	\$ 54,636	\$ 262,181



CAPITAL IMPROVEMENTS PROGRAM
NARRATIVE

STORM SEWERS

Overview: While the past three years have been relatively dry, and the City has not experienced the heavy, intense storms that were prevalent in 2008, 2009, and 2010, Wauwatosa continues to make every effort to install relief sewers, or upsize the area storm sewers to increase the level of protection for residents in previously flood prone areas of the City. Much work remains to be done to address all such areas of the City, as well as to maintain the existing storm sewer network.

Narrative: To demonstrate Wauwatosa's commitment to addressing street flooding in the City, the following table highlights the investment the city has made recently, and is projected to make over the next five year CIP to mitigate the problem.

YEAR	ANNUAL INVESTMENT
2010	\$ 594,469
2011	\$ 2,448,262
2012	\$ 8,063,420
2013	\$ 4,731,288
2014	\$ 1,744,726
2015	\$ 6,203,733
2016-2020	\$16,444,426
TOTAL	\$40,230,240

This figure is roughly in line with the recommended level of investment determined by the State of Good Repair analysis. To sustain this level of re-investment will require a rate increase of 12% in 2016.

Achievements in 2015 are the completion of a major new outfall as part of the Milwaukee Ave project. This project represents Wauwatosa's first use of a Tunnel Boring Machine to drill through the bluff from the river up to Church Street. This outfall re-directs water from upstream in the watershed away from the Village where it formerly ran down the Underwood Street hill unabated. In future years of the CIP, the City Hall South project will pick up the new trunk sewer terminus at Milwaukee and Underwood and extend the storm and sanitary relief sewers further into the watershed. This will divert more water around the Village, and into the new Church Street outfall. Diverting this storm water is important for the Village, especially if the pedestrian plaza concept is enacted as part of Village Improvements.

Also scheduled to be substantially completed by the end of 2015 is a new outfall on 104th Street to Underwood Creek. The final phase of work may be completed in 2016 as the joint Corps of Engineers/MMSD project to remove the concrete channel and restore a natural flow to Underwood Creek is planned for early 2016.

In 2015, a MMSD project day lighted the outfall of Schoonmaker Creek into the Menomonee River. As part of the SEWRPC study, the flooding issues associated with the upper reaches of Schoonmaker Creek are under study. As of this writing (fall 2015) the public participation meetings have yet to be held.

Major storm sewer upgrades are planned for the Village in 2016 and 2017. It is planned that a new outfall will run down Wauwatosa Ave from Harmonie Ave, and then it will run under the tracks to an outfall into the Menomonee River in Hart Park. This new sewer will collect the water up the hill from the Village, the Blanchard Street parking lot, and divert it into the new sewer to the river. Currently (fall 2015) this drainage area is being modeled to determine optimal sizing and routing. Design and construction will likely be a two year effort due to the need to obtain DNR and railroad permits.

In the out years of the Capital Improvement Program are a continuation of the East Tosa / Schoonmaker Creek work, and the installation of a new outlet for storm water on Hillside Lane. Additionally, storm sewer maintenance issues, some requiring repairs or relining, as determined by closed circuit TV inspections, are performed as part of the annual street resurfacing program.

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Hillside Lane Area Storm and Sanitary Improvements
Project No.: 4004

PROJECT DESCRIPTION

Justification:
Inspection of the City's storm sewer has shown that there is severe root intrusion in the storm sewer, which has contributed to street flooding on Hillside Lane. The storm sewer will be replaced from Hillside Lane to the Menomonee River. There is a capacity issue in the sanitary sewer system that also needs to be addressed. Construction has been rescheduled to 2018.

Year of Construction: 2018 Expected Life of Item/Project: 72 years
Request made by:

SOURCE OF FUNDS SUMMARY

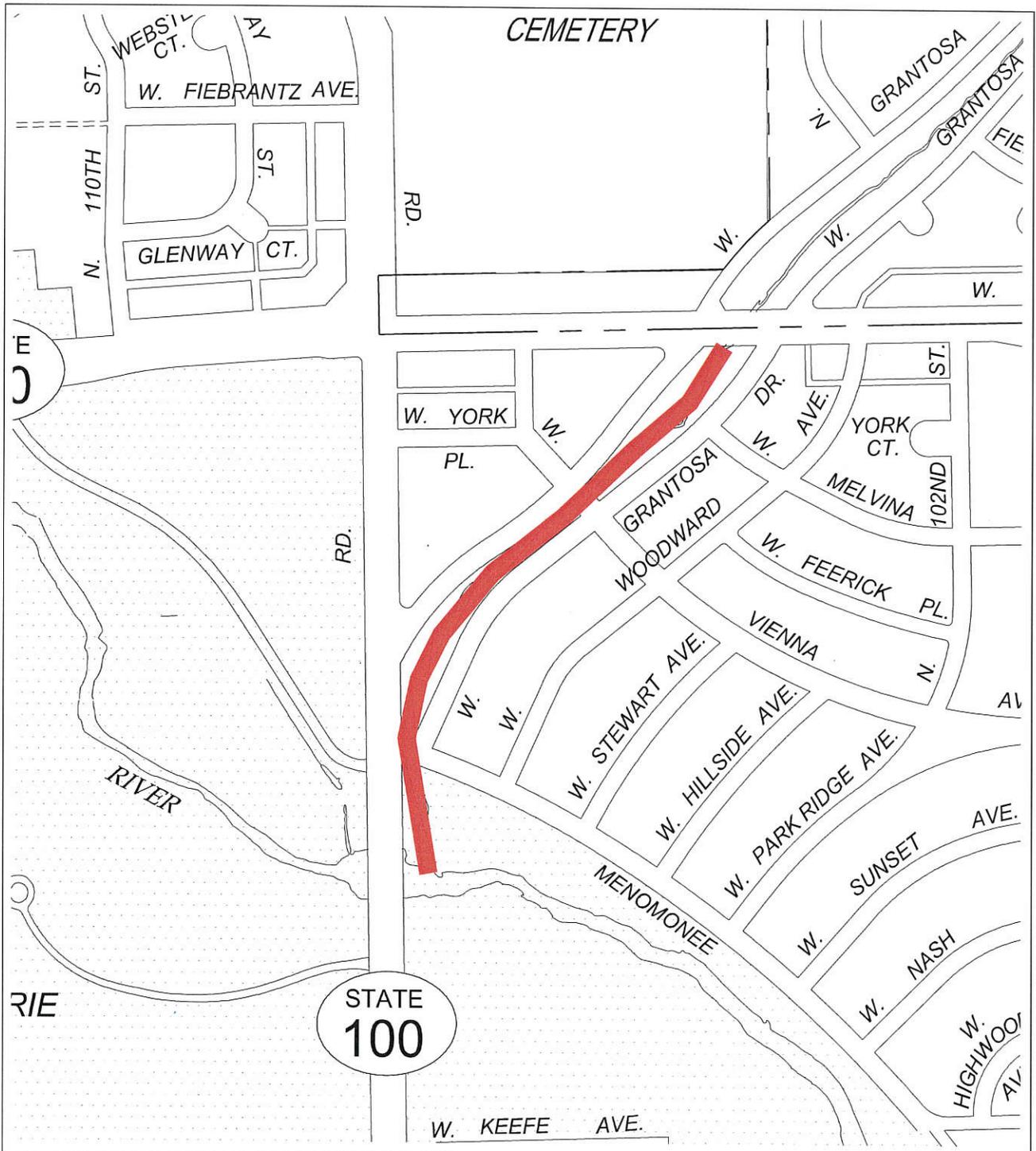
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San		\$ -	\$ -	\$ 39,600	\$ 509,850			\$ 549,450
Rate-backed Bonds- Storm		\$ -	\$ -	\$ 20,400	\$ 262,650			\$ 283,050
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ 60,000	\$ 772,500	\$ -	\$ -	\$ 832,500

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house		\$ -	\$ -	\$ 60,000				\$ 60,000
Design - other								\$ -
Engineering and Overhead			\$ -	\$ -	\$ 22,500	0	\$ -	\$ 22,500
Land Acquisition								\$ -
Construction			\$ -	\$ -	\$ 750,000	\$ -	\$ -	\$ 750,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 60,000	\$ 772,500	\$ -	\$ -	\$ 832,500

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers		\$ -	\$ -	\$ 39,600	\$ 509,850	\$ -	\$ -	\$ 549,450
Storm Sewers		\$ -	\$ -	\$ 20,400	\$ 262,650	\$ -	\$ -	\$ 283,050
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 60,000	\$ 772,500	\$ -	\$ -	\$ 832,500



2014 Utility Project

Grantosa Creek

Channel improvements from Capitol Dr to the Menomonee River

Project #4007

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Grantosa Creek Channel Improvements
Project No.: 4007

PROJECT DESCRIPTION

Justification:

As part of the installation of a new relief sewer on 100th street from Ruby Ave. to Grantosa Creek, minor impacts to the flow in Grantosa Creek were identified. While these flows were minor in nature, this project is included in the out years of the CIP to begin to address street flooding along Grantosa Creek. At this juncture the potential partners in this project have not shown any interest in pursuing this project.

Year of Construction: N/A Expected Life of Item/Project: 72 years

Request made by: _____

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ -		\$ -
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design - other			\$ -					\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sanitary Sewers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Storm Sewers			\$ -	\$ -		\$ -		\$ -
Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Storm Sewer Spot Improvements
Project No.: 4016

PROJECT DESCRIPTION

Justification:

The purpose of this CIP is to have funds available to make repairs to problematic storm sewers that are discovered during the year or on a specific construction project that was unanticipated when the project was put out for bids. While every effort is made to minimize emergency work, it is sometimes unavoidable.

Year of Construction: 2016-2020 Expected Life of Item/Project: 72 years

Request made by:

SOURCE OF FUNDS SUMMARY

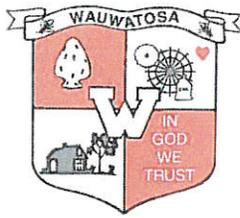
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm	\$ -	\$ 112,000	\$ 111,000	\$ 111,000	\$ 111,000	\$ 114,330	\$ 117,760	\$ 565,090
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ 112,000	\$ 111,000	\$ 111,000	\$ 111,000	\$ 114,330	\$ 117,760	\$ 565,090

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house	\$ -	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,240	\$ 8,487	\$ 40,727
Design - other								\$ -
Engineering and Overhead	\$ -	\$ 4,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,090	\$ 3,183	\$ 15,273
Land Acquisition								\$ -
Construction	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 103,000	\$ 106,090	\$ 509,090
Other								\$ -
Total	\$ -	\$ 112,000	\$ 111,000	\$ 111,000	\$ 111,000	\$ 114,330	\$ 117,760	\$ 565,090

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers	\$ -	\$ 112,000	\$ 111,000	\$ 111,000	\$ 111,000	\$ 114,330	\$ 117,760	\$ 565,090
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ 112,000	\$ 111,000	\$ 111,000	\$ 111,000	\$ 114,330	\$ 117,760	\$ 565,090



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

WATER UTILITY

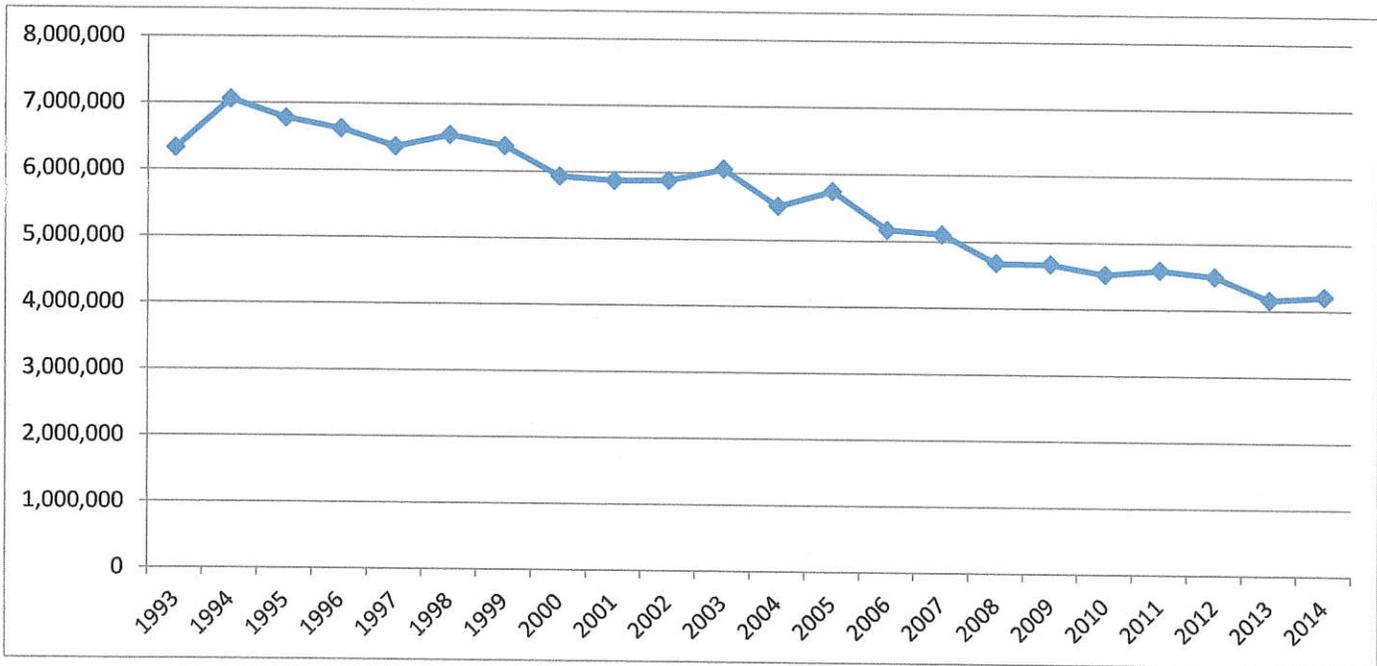
Overview: The Wauwatosa Water Utility is comprised of over 202 miles of main, three primary pumping stations, seven water storage reservoirs, 15,507 service laterals, 5,458 valves, and 2,232 fire hydrants.

Utility rates are regulated by the Public Service Commission of Wisconsin. Revenue must support the daily field operations, business office administration, capital improvements and debt service of the utility.

The 2016 – 2020 Capital Improvement Program (CIP) target water main replacements associated with City paving projects and the Zoo Freeway construction schedule established by the Wisconsin Department of Transportation (WisDOT). Water main replacements outside of paving projects are scheduled pending available funding.

Narrative: The CIP includes the financial strategy for future water meter upgrades with the installation of Automatic Metering Infrastructure. With the average daily pumpage declining (see following chart), accurate recording and billing of every gallon used is vital to the long term fiscal health of the utility.

**WAUWATOSA WATER UTILITY
ANNUAL WATER PUMPAGE TOTALS
1993 - 2014**



<u>Date</u>	<u>N. 64th St.</u>	<u>Blanchard St.</u>	<u>Potter Rd.</u>	<u>System Total</u>	<u>Daily Average</u>	<u>% Change</u>
1993	1,182,524,000	368,155,500	757,595,500	2,308,275,000	6,324,041	
1994	1,262,926,400	458,746,600	854,172,700	2,575,845,700	7,057,112	111.59%
1995	1,259,006,500	359,178,000	855,873,900	2,474,058,400	6,778,242	96.05%
1996	1,219,840,100	321,690,500	883,283,400	2,424,814,000	6,625,175	97.74%
1997	1,239,053,800	224,623,300	858,444,700	2,322,121,800	6,361,978	96.03%
1998	1,345,126,000	94,524,400	947,862,000	2,387,512,400	6,541,130	102.82%
1999	1,179,825,200	191,486,900	957,016,130	2,328,328,230	6,378,981	97.52%
2000	1,023,070,400	261,606,700	886,445,600	2,171,122,700	5,932,029	92.99%
2001	1,123,085,400	207,379,700	812,278,800	2,142,743,900	5,870,531	98.96%
2002	1,126,608,616	185,453,252	833,867,832	2,145,929,700	5,879,259	100.15%
2003	1,178,296,400	125,371,000	907,424,800	2,211,092,200	6,057,787	103.04%
2004	1,144,164,200	116,436,000	755,503,200	2,016,103,400	5,508,479	90.93%
2005	1,305,949,800	133,004,300	658,288,700	2,097,242,800	5,745,871	104.31%
2006	1,114,828,500	99,627,500	672,319,200	1,886,775,200	5,169,247	89.96%
2007	1,073,049,000	188,940,100	597,670,700	1,864,703,900	5,108,778	98.83%
2008	987,341,000	143,542,000	583,180,000	1,714,063,000	4,683,232	91.67%
2009	798,880,999	316,583,000	590,022,000	1,705,485,999	4,672,564	99.77%
2010	590,578,000	499,534,000	562,382,000	1,652,494,000	4,527,381	96.89%
2011	512,904,000	579,182,000	584,363,000	1,676,449,000	4,593,011	101.45%
2012	532,843,000	585,914,000	529,332,000	1,648,089,000	4,502,975	98.04%
2013	414,048,000	592,539,001	511,381,000	1,517,968,001	4,158,816	92.36%
2014	462,310,000	569,377,999	504,862,000	1,536,549,999	4,209,726	101.22%

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Renovate Blanchard Pumping Station
Project No.: 5002

PROJECT DESCRIPTION

Justification:
The painted exterior surface of the Blanchard Street Pumping Station is beginning to flake away from the brick surface on the building. It is recommended that the building be painted in 2018 before becoming an eyesore for the residents in the immediate neighborhood.

Year of Construction: 2017-2018 Expected Life of Item/Project: 20 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water				\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus					\$ 35,000			\$ 35,000
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ 35,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction					\$ 35,000	\$ -		\$ 35,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ 35,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
0								\$ -
Water				\$ -	\$ 35,000	\$ -		\$ 35,000
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ 35,000

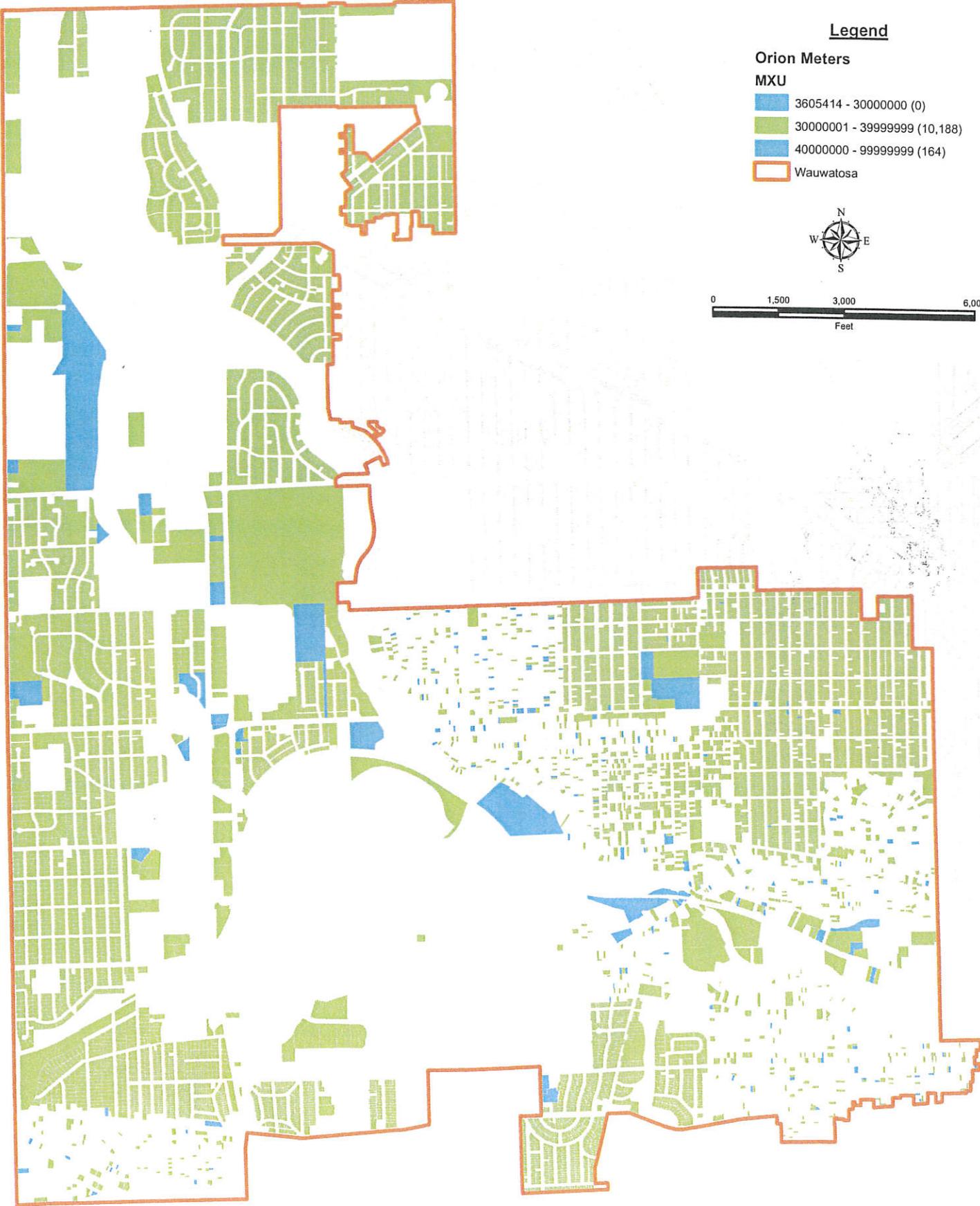
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Orion Meters
City of Wauwatosa

Legend

Orion Meters

- MXU
- 3605414 - 30000000 (0)
 - 30000001 - 39999999 (10,188)
 - 40000000 - 99999999 (164)
 - Wauwatosa



**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Automatic Meter Reading
Project No.: 5003

PROJECT DESCRIPTION

Justification:
Due to the fact that Badger Meter has ceased production of the Remote Outside Meter (ROM), the water utility needs a solution to accurately measure water consumption for billing purposes and improving cash flow. The ROM's have a tendency to lag behind the actual water meter thereby reducing the revenue the utility collects. In the worst case, ROM's may stop, showing no consumption at a property. The upgrade also will reduce labor hours associated with meter reading, replacement and help to resolve problems related to ROM's. Upgraded software will dramatically improve the services we are able to provide our customers who have water consumption or billing questions. The following map depicts progress in changing out meters to date.

Year of Construction: 2017 Expected Life of Item/Project: 20 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water	\$ 1,709,877	\$ 2,250,000		\$ 1,000,000	\$ -			\$ 1,000,000
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants/Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 1,709,877	\$ 2,250,000	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction	\$ 1,709,877	\$ 2,250,000	\$ -	\$ 1,000,000	\$ -			\$ 1,000,000
Other								\$ -
Total	\$ 1,709,877	\$ 2,250,000	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water	\$ 1,160,867	\$ 2,250,000	\$ -	\$ 1,000,000	\$ -			\$ 1,000,000
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 1,709,877	\$ 2,250,000	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Potter Rd. Generator
Project No.: 5004

PROJECT DESCRIPTION

Justification:
Funds are included to replace an antiquated 1980 Marathon Generator with manual transfer switch, with a new generator and an automatic transfer switch

Year of Construction: 2017 Expected Life of Item/Project: 20 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water				\$ 180,000				\$ 180,000
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ 180,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction				\$ 180,000				\$ 180,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ 180,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water				\$ 180,000				\$ 180,000
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ 180,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Trenchless Water Main Rehabilitation
Project No.:	5010

PROJECT DESCRIPTION

Justification:
In significant sections of the City of Wauwatosa, the water mains were installed in easements in the rear yards of homes. Over 30,000 feet of back yard water mains date from 1919 to the 1930's. As such they are nearly at the end of their useful life. Water Utility staff has been looking at options for relining these mains in lieu of replacing them. This action was timely as there were a series of breaks on a rear yard main in 2012 that led Utility Staff to recommend relining of this main on an emergency basis. Shown below are the proposed expenditures for the lining of rear yard mains in easements over the next five year period.

Year of Construction:	2017-2020	Expected Life of Item/Project:	50 years
Request made by: Water Department			

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water	\$ 1,608,915	\$ 1,774,000	\$ -	\$ 1,133,865	\$ 1,136,640	\$ 1,082,250	\$ 1,065,600	\$ 4,418,355
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 1,608,915	\$ 1,774,000	\$ -	\$ 1,133,865	\$ 1,136,640	\$ 1,082,250	\$ 1,065,600	\$ 4,418,355

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other	\$ 447,007	\$ 66,000	\$ -	\$ 81,720	\$ 81,920	\$ 78,000	\$ 76,800	\$ 318,440
Engineering and Overhead		\$ 33,000	\$ -	\$ 30,645	\$ 30,720	\$ 29,250	\$ 28,800	\$ 119,415
Land Acquisition								\$ -
Construction	\$ 1,161,908	\$ 1,675,000	\$ -	\$ 1,021,500	\$ 1,024,000	\$ 975,000	\$ 960,000	\$ 3,980,500
Other								\$ -
Total	\$ 1,608,915	\$ 1,774,000	\$ -	\$ 1,133,865	\$ 1,136,640	\$ 1,082,250	\$ 1,065,600	\$ 4,418,355

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water	\$ 1,608,915	\$ 1,774,000	\$ -	\$ 1,133,865	\$ 1,136,640	\$ 1,082,250	\$ 1,065,600	\$ 4,418,355
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 1,608,915	\$ 1,774,000	\$ -	\$ 1,133,865	\$ 1,136,640	\$ 1,082,250	\$ 1,065,600	\$ 4,418,355

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Paint Potter Road Reservoir
Project No.: 5100

PROJECT DESCRIPTION

Justification:
The ground level storage tank on Potter Road near Underwood School will be painted as part of this project.

Year of Construction: 2020 Expected Life of Item/Project: 40 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water				\$ -				\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus							\$ 500,000	\$ 500,000
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction				\$ -			\$ 500,000	\$ 500,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water				\$ -			\$ 500,000	\$ 500,000
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Install Blanchard Pumping Station Generator
Project No.: 5101

PROJECT DESCRIPTION

Justification:
The cost should be \$200,000 but this oversight was not updated prior to adoption so a lower amount is budgeted. This will be updated in the 2017-2021 capital budget.

Year of Construction: 2017 Expected Life of Item/Project: 20 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus				\$ 45,000				\$ 45,000
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ 45,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction				\$ 45,000				\$ 45,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ 45,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water				\$ 45,000				\$ 45,000
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ 45,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: 64th Street Pumping Station Generator
Project No.: 5102

PROJECT DESCRIPTION

Justification:
Funds are budgeted in 2018 for replacing a 1999 emergency generator.

Year of Construction: 2018 Expected Life of Item/Project: 20 years
Request made by:

SOURCE OF FUNDS SUMMARY

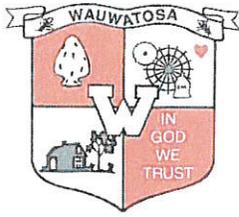
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water					\$ 200,000			\$ 200,000
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction					\$ 200,000			\$ 200,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water					\$ 200,000			\$ 200,000
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000



CAPITAL IMPROVEMENTS PROGRAM NARRATIVE

STRUCTURES & EQUIPMENT

Narrative: This sub-program of the CIP encompasses the projects dedicated to the public buildings and major facilities owned by the City of Wauwatosa. In order to accurately track each component of the infrastructure, the report is divided into the following six components.

- I. Civic Center
- II. Hart Park
- III. Webster Park
- IV. Public Works Garage
- V. Police Dept.
- VI. Fire Dept.

I. Civic Center

In 2016, there is minimal work planned for the Civic Center. This is due to the possibility that the Civic Center site may be redeveloped as part of a public/private partnership. The sense is that remodeling efforts should be deferred until a decision is made as to the future disposition of the property. Funds are budgeted for misc. building upgrades, a battery back-up for the public elevator in case of a power outage, and new bike racks, and benches for the Library.

II. Hart Park

For 2016, the locker rooms are scheduled for renovation. There will be consultation with the School District to be sure that use of the facilities can be maximized.

III. Webster Park

In 2016, the rubberized play surface for Webster Park is scheduled for replacement.

IV. Public Works Garage

At the Public Works Garage work to repair the underground piping system and the floor is planned. Additionally some original (1962) overhead doors will be replaced with more energy efficient models.

V. Police Station

In 2016 there is a project to repair the leak in the east wall of the building. During driving rainstorms with winds from the east, leaks develop in the basement of the Police Station.

VI. Fire Department

The purchase of a new ladder truck is planned for 2016. Unit F-213, a 1998 ladder truck is being replaced. This is four years after the optimal replacement schedule.

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Building Mechanical Upgrades
Project No.: 6009

PROJECT DESCRIPTION

Justification:
Due to the fact that the Civic Center is being studied for replacement within the next five to 10 years, investments in remodeling the building are on hold pending a Council Decision in this matter. Minor repairs to building systems are budgeted in this account. The intent is to maintain essential systems until such time as a final decision has been made by elected officials.

Year of Construction: 2016-2020 Expected Life of Item/Project: 20 years
Request made by: Community Development, Municipal Complex

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds	\$ 18,352	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
Total	\$ 18,352	\$ 30,000	\$ 150,000					

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other	\$ 18,352	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
Total	\$ 18,352	\$ 30,000	\$ 150,000					

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.	\$ 18,352	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 18,352	\$ 30,000	\$ 150,000					

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: City Hall Window Renovation
Project No.: 6016

PROJECT DESCRIPTION

Justification:
As part of the recently completed building condition assessment, the replacement of the operable parts of the windows were an immediate action item. Currently there are leaks which lead to water entering the building during storms. Some energy savings are anticipated as well.

Year of Construction: 2016- Expected Life of Item/Project: 20 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
CDBG								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds			\$75,000					\$ 75,000
Total	\$ -	\$ -	\$ 75,000					\$ 75,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								
Land Acquisition								\$ -
Construction			\$ 75,000					\$ 75,000
Other								
Total	\$ -	\$ -	\$ 75,000	\$ -				\$ 75,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.			\$ 75,000					\$ 75,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Overhead Door Replacement at Public Works Building
Project No.: 6201

PROJECT DESCRIPTION

Justification:
The overhead doors at the Public Works Department are original to the building. They have been raised and lowered thousands of times. It is not unusual for them to break several times a year. Rather than patch things together, replacing them should help lower the overall cost of maintaining the building. 2016 is the second year of a three year program to upgrade the door stock.

Year of Construction: 2016-2017 Expected Life of Item/Project: 15-30 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ -	\$ -						\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds	\$ -	\$ 18,000	\$ 18,000	\$ 18,000	\$ -			\$ 36,000
Total	\$ -	\$ 18,000	\$ 18,000	\$ 18,000	\$ -	\$ -	\$ -	\$ 36,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction	\$ -	\$ 18,000	\$ 18,000	\$ 18,000	\$ -			\$ 36,000
Other								\$ -
Total	\$ -	\$ 18,000	\$ 18,000	\$ 18,000	\$ -	\$ -	\$ -	\$ 36,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.	\$ -	\$ 18,000	\$ 18,000	\$ 18,000	\$ -			\$ 36,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ 18,000	\$ 18,000	\$ 18,000	\$ -	\$ -	\$ -	\$ 36,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Public Works Building Floor System Rehabilitation
Project No.:	6203

PROJECT DESCRIPTION

Justification:
The grate system in the existing floor drains has failed in eight locations, which is approximately 20% of their total length. Of the remaining 80%, 50% is cracked so severely that it is starting to fail. Eight locations have been temporarily repaired with PVC piping. The scope of the project was to undertake TV inspections in 2015 and program one half of the repairs in 2016 with the remainder of the work done in 2018 following more inspections in 2017.

Year of Construction: 2016-2018 Expected Life of Item/Project: 25 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds		\$ 6,000	\$ 60,000	\$ 6,000	\$ 70,000	\$ -		\$ 136,000
Total	\$ -	\$ 6,000	\$ 60,000	\$ 6,000	\$ 70,000	\$ -	\$ -	\$ 136,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house		\$ 6,000		\$ 6,000				\$ 6,000
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction			\$ 60,000	\$ -	\$ 70,000	\$ -		\$ 130,000
Other								\$ -
Total	\$ -	\$ 6,000	\$ 60,000	\$ 6,000	\$ 70,000	\$ -	\$ -	\$ 136,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.		\$ 6,000	\$ 60,000	\$ 6,000	\$ 70,000	\$ -		\$ 136,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ 6,000	\$ 60,000	\$ 6,000	\$ 70,000	\$ -	\$ -	\$ 136,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Re-roof Salt Shed
Project No.:	6205

PROJECT DESCRIPTION

Justification:
The current roof of the salt shed leaks. In addition, some of the roof panels are deteriorating. Replacement of the roof is the most cost effective option. This work is planned for 2016.

Year of Construction: 2016 Expected Life of Item/Project: 30 years
Request made by: _____

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds			\$ 30,000	\$ -				\$ 30,000
Total	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction			\$ 30,000	\$ -				\$ 30,000
Other								\$ -
Total	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.			\$ 30,000	\$ -				\$ 30,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Remodel Public Works Building
Project No.:	6213

PROJECT DESCRIPTION

Justification:
In 2016-2020 CIP it is planned to remodel the administrative spaces of the building in phases. Based on available estimates of revenue and project costs, it is planned to do this work in phases in the out years of the CIP.

Year of Construction: 2018-2020 Expected Life of Item/Project: 30 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds				\$ -	\$ 250,000	\$ -	\$ 250,000	\$ 500,000
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds	\$ 6,340	\$ 18,000			\$ 50,000		\$ 50,000	\$ 100,000
Total	\$ 6,340	\$ 18,000	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000	\$ 600,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house					\$ 5,000		\$ 5,000	\$ 10,000
Design - other	\$ 6,340	\$ 18,000			\$ -			\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction					\$ 295,000		\$ 295,000	\$ 590,000
Other								\$ -
Total	\$ 6,340	\$ 18,000	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000	\$ 600,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.	\$ 6,340	\$ 18,000			\$ 300,000	\$ -	\$ 300,000	\$ 600,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 6,340	\$ 18,000	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000	\$ 600,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Truck Scale Rebuilding/Replacement
Project No.: 6215

PROJECT DESCRIPTION

Justification:
The truck scale will be 16 years old in 2019. The data derived from the scale is very important to the operation of the Public Works Dept. Replacement with associated upgrades is the recommended approach for this important feature of City Operations.

Year of Construction: 2019 Expected Life of Item/Project: 15 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds						\$ 20,000	\$ -	\$ 20,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ 20,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction						\$ 20,000		\$ 20,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ 20,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.						\$ 20,000		\$ 20,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ 20,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Roof Top Unit 1 - Police Complex
 Project No.: 6403

PROJECT DESCRIPTION

Justification:
 This roof top air handling equipment at the Police Station is 18 years old and it is becoming very difficult to obtain repair parts for the unit.

Year of Construction: 2016 Expected Life of Item/Project: 15 years

Request made by: Community Development, Police Complex

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ 65,000					\$ 65,000
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds				\$ -				\$ -
Total	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction			\$ 65,000	\$ -				\$ 65,000
Other								\$ -
Total	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.			\$ 65,000	\$ -				\$ 65,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Boiler Replacement- Police Station
Project No.: 6404

PROJECT DESCRIPTION

Justification:

The police station has the original boilers that were installed in 1968 . New boilers will be more energy efficient. Formerly these units were scheduled for replacement in 2017 and 2018. Since the replacement of these units will require cutting a hole in the wall of the building, it makes sense to do them at one time instead of in stages.

Year of Construction: 2016 Expected Life of Item/Project: 15 years

Request made by: Community Development, Police Complex

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds					\$ 150,000			\$ 150,000
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds						\$ -		\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction					\$ 150,000	\$ -		\$ 150,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.					\$ 150,000	\$ -		\$ 150,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Repaving Police Complex Parking Lot
Project No.:	6406

PROJECT DESCRIPTION

Justification:
One of the recommendations of the recently completed building condition study was to repave the parking lot at the Police Station. Prior to repaving, an assessment of the cause for the leak along the east wall of the Police Station would be completed, and any necessary repairs completed prior to repaving.

Year of Construction: 2019 Expected Life of Item/Project: 20 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
CDBG								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds						\$ 60,000		\$ 60,000
Total	\$ -	\$ -				\$ 60,000		\$ 60,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								
Land Acquisition								\$ -
Construction						\$ 60,000		\$ 60,000
Other								
Total	\$ -	\$ -	\$ -	\$ -		\$ 60,000		\$ 60,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.						\$ 60,000		\$ 60,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -	\$ 60,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Emergency Radios
 Project No.: 6607

PROJECT DESCRIPTION

Justification:

With the anticipated digital upgrade of the Milwaukee County radio system our current police and fire department radios need to be replaced in order to be compatible on the new county wide digital format. This is a multi-faceted project. This project will also include the upgrade of existing radios to the digital format. Those upgrades will take place yearly using capital outlay funds. 2015 – Replacement of portable radios to meet current standards. All 800 MHz radios will be replaced. The current Fire radios were purchased in 2004 with federal grant funding. The radios were purchased in 2014 due to an excellent pricing opportunity. They remain budgeted in 2016 and 2018 because the capital project fund must be paid back. 20,000 in JAG and 30,000 in Asset Forfeiture were utilized in grant funding in 2014. The 2017 purchase is for digital dispatch consoles and related equipment.

Year of Construction: 2016-2018 Expected Life of Item/Project: varies

Request made by: Rob Ugaste, Fire Chief and Captain Timothy J. Sharpee

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer	\$ 472,855	\$ 261,500	\$ 111,500	\$ 100,000	\$ 99,855	\$ -		\$ 311,355
Grants//Shared Costs	\$ 50,000	\$ 50,000						\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 522,855	\$ 311,500	\$ 111,500	\$ 100,000	\$ 99,855	\$ -	\$ -	\$ 311,355

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other	\$ 522,855	\$ 261,500	\$ 111,500	\$ 100,000	\$ 99,855	\$ -		\$ 311,355
Total	\$ 522,855	\$ 261,500	\$ 111,500	\$ 100,000	\$ 99,855	\$ -	\$ -	\$ 311,355

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.	\$ 522,855	\$ 261,500	\$ 111,500	\$ 100,000	\$ 99,855	\$ -		\$ 311,355
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 522,855	\$ 261,500	\$ 111,500	\$ 100,000	\$ 99,855	\$ -	\$ -	\$ 311,355

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Generator Replacement
Project No.:	6609

PROJECT DESCRIPTION

Justification:
2019 - Replacement of the generator at St # 53 with a natural gas unit. The current generator is a 1980 diesel model that has become obsolete. Newer natural gas unit is more efficient and less costly to use. This will also allow for removal of a 250 gallon storage tank from the basement of St # 53.

Year of Construction: 2019 Expected Life of Item/Project: 20 years

Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds						\$ 30,000	\$ -	\$ 30,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other						\$ 30,000	\$ -	\$ 30,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.						\$ 30,000	\$ -	\$ 30,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Fire Station # 2 Roof
Project No.:	6610

PROJECT DESCRIPTION

Justification:
2019 - Replace St # 52 roof - significant repairs are needed on the apparatus bay roof. (*Note - Moved back from 2017 to accommodate more pressing needs)

Year of Construction: 2017 Expected Life of Item/Project: 20 years
Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds					\$ -	\$ 40,000		\$ 40,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction				\$ -	\$ -	\$ 40,000		\$ 40,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.				\$ -	\$ -	\$ 40,000		\$ 40,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Fire Station # 3 Overhead Doors
Project No.: 6611

PROJECT DESCRIPTION

Justification:
2019 - Replace all of St # 53 overhead apparatus bay doors. These doors are believed to be original and about 30 years old. The new doors will also have increased energy efficiency.

Year of Construction: 2019 Expected Life of Item/Project: 15 years
Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds						\$ 30,000	-	\$ 30,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other						\$ 30,000	\$ -	\$ 30,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.						\$ 30,000	\$ -	\$ 30,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Update & Renovate Fire Station # 53 Kitchen
Project No.: 6612

PROJECT DESCRIPTION

Justification:
2018 - Complete update and renovation of the kitchen at ST # 53. This will include new floors, cabinets, counter-tops, and windows. Many of the current equipment was installed in the mid 1980's.

Year of Construction: 2018 Expected Life of Item/Project: 15 years
Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds					\$ 75,000	\$ -		\$ 75,000
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction					\$ 75,000	\$ -		\$ 75,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.					\$ 75,000	\$ -		\$ 75,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Fire Station # 52 HVAC
Project No.: 6613

PROJECT DESCRIPTION

Justification:
2018 - Repair/Replacement of boiler system at Fire Station # 52

Year of Construction: 2018 Expected Life of Item/Project: 20 years

Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds					\$ 50,000	\$ -		\$ 50,000
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction					\$ 50,000	\$ -		\$ 50,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.					\$ 50,000	\$ -		\$ 50,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Fire Training Center Repair/Upgrade
Project No.: 6614

PROJECT DESCRIPTION

Justification:
2018 - Repair current fire training tower and associated structures. This includes anticipated repair of fire proofing spray on 1st/2nd floor, windows/doors on floors 2-5, and reconstruction of low-level roof simulator. Upgrades include additional windows on north side of tower and addition of 2nd fire hydrant.

Year of Construction: 2018 Expected Life of Item/Project: 10 years
Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds					\$ 95,000	\$ -		\$ 95,000
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds					\$ 75,000	\$ -		\$ 75,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 170,000	\$ -	\$ -	\$ 170,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead					\$ 20,000			\$ 20,000
Land Acquisition								\$ -
Construction					\$ 150,000	\$ -		\$ 150,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 170,000	\$ -	\$ -	\$ 170,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.					\$ 170,000	\$ -		\$ 150,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 170,000	\$ -	\$ -	\$ 170,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Turnout Gear Replacement
Project No.: 6617

PROJECT DESCRIPTION

Justification:
2019 - Replacement of turnout gear purchased in 2009/2010 with federal grant.

Year of Construction: 2019 Expected Life of Item/Project: 10 years
Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds						\$ 300,000	-	\$ 300,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								
Land Acquisition								\$ -
Construction								\$ -
Other						\$ 300,000	\$ -	\$ 300,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.						\$ 300,000	\$ -	\$ 300,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Ambulance Replacement
Project No.: 6656

PROJECT DESCRIPTION

Justification:
2018 - Scheduled replacement of 2007 ambulance, F-423. (**This purchase was moved from 2017 to allow for purchase of engine/truck in 2017)

(YTD Actual and Budget are only for the prior year)

Year of Construction: 2018 Expected Life of Item/Project: 10 Years
Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds	\$ 9,483	\$ 10,000	\$ -	\$ -	\$ 10,000			\$ 10,000
Total	\$ 259,483	\$ 260,000	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ 260,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other	\$ 259,483	\$ 260,000	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ 260,000
Total	\$ 259,483	\$ 260,000	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ 260,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.	\$ 259,483	\$ 260,000	\$ -	\$ -	\$ 260,000			\$ 260,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 259,483	\$ 260,000	\$ -	\$ -	\$ 260,000	\$ -	\$ -	\$ 260,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Command Vehicle Replacement
Project No.: 6666

PROJECT DESCRIPTION

Justification:
2017 - Past-due replacement of 2006 command vehicle, F-139. This vehicle will be one year past due.

This vehicle is staffed daily by the on-duty shift commander and used for emergency and non-emergency functions. It is a large SUV/Pickup equipped with numerous incident management tools such as maps, radios, and accountability tools.

(YTD Actual and Budget are only for the prior year)

Year of Construction: 2017 Expected Life of Item/Project: 10 Years
Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ -	\$ -		\$ 60,000	\$ -			\$ 60,000
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds				\$ 10,000	\$ -			\$ 10,000
Total	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ 70,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -		\$ 70,000
Total	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ 70,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.				\$ 70,000	\$ -			\$ 70,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ 70,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Fire Engine/Ladder Truck Replacement
Project No.: 6676

PROJECT DESCRIPTION

Justification:
2016 - Past due replacement of 1998 ladder truck, F-213. This is past-due by four years. **Note - amount increased from \$975,000 to \$992,000 to reflect actual purchase amount
2017 - Past due replacement of 2003 ladder truck, F-214. This vehicle will be replaced by an engine and is past due by one year. (** New addition to 2017 due to poor condition of reserve fleet - was to be slotted for 2018)
2021 - Scheduled replacement of 2005 Air/Light vehicle POSTPONED FROM 2020 to 2021

Year of Construction: Varied Expected Life of Item/Project: 14 Years
Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ 982,000	\$ 590,000	\$ -	\$ -	\$ -	\$ 1,572,000
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds			\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	\$ 20,000
Total	\$ -	\$ -	\$ 992,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,592,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other			\$ 992,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,592,000
Total	\$ -	\$ -	\$ 992,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,592,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.			\$ 992,000	\$ 600,000			\$ -	\$ 1,592,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ 992,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,592,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replacement Staff Automobile
Project No.: 6686

PROJECT DESCRIPTION

Justification:
2017 - Scheduled replacement of two (2) staff vehicles, F-137 & F-138
2018 - Scheduled replacement of two (2) staff vehicle, F-141&F-142
Addition of one new staff vehicle for CH51
2020 - Scheduled replacement of one staff vehicle, F-143

2019 -

(YTD Actual and Budget are only for the prior year)

Year of Construction: Varied Expected Life of Item/Project: 14 Years

Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 77,430	\$ 70,000	\$ -					\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds	\$ 22,316			\$ 70,000	\$ 70,000	\$ 40,000	\$ 40,000	\$ 220,000
Total	\$ 99,746	\$ 70,000	\$ -	\$ 70,000	\$ 70,000	\$ 40,000	\$ 40,000	\$ 220,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other	\$ 99,746	\$ 70,000	\$ -	\$ 70,000	\$ 70,000	\$ 40,000	\$ 40,000	\$ 220,000
Total	\$ 99,746	\$ 70,000	\$ -	\$ 70,000	\$ 70,000	\$ 40,000	\$ 40,000	\$ 220,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.	\$ 99,746	\$ 70,000	\$ -	\$ 70,000	\$ 70,000	\$ 40,000	\$ 40,000	\$ 220,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 99,746	\$ 70,000	\$ -	\$ 70,000	\$ 70,000	\$ 40,000	\$ 40,000	\$ 220,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Replace Maintenance Vehicle
Project No.:	6696

PROJECT DESCRIPTION

Justification:
2019 - Past-due replacement of 2007 pick-up truck, F-609 (**moved back from 2017 due to vehicle condition and other changes to purchase schedule)

Year of Construction: 2019 Expected Life of Item/Project: 10 years
Request made by: Rob Ugaste, Fire Chief

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds						\$ 30,000	\$ -	\$ 30,000
Total			\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other						\$ 30,000	\$ -	\$ 30,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.						\$ 30,000	\$ -	\$ 30,000
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Failed Pervious Concrete Sidewalk
 Project No.: 8004

PROJECT DESCRIPTION

Justification:
 Pervious concrete sidewalk in Hart Park did not stand up to winter conditions. It will be replaced with pervious asphalt per the requirements of DNR to have the pervious sidewalk replaced with another pervious material. The walk in question is located along the east side of 72nd street and curves around Chestnut, across the street from the sidewalk replaced by the DPW crews during the Sidewalk Program in 2014.

Year of Construction: 2017 Expected Life of Item/Project: 20 years
 Request made by: _____

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds		\$ -		\$ 82,400				\$ 82,400
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ -	\$ -	\$ 82,400	\$ -	\$ -	\$ -	\$ 82,400

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house		\$ -						\$ -
Design - other								\$ -
Engineering and Overhead		\$ -						\$ -
Land Acquisition								\$ -
Construction		\$ -		\$ 82,400				\$ 82,400
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ 82,400	\$ -	\$ -	\$ -	\$ 82,400

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks		\$ 57,000		\$ 82,400				\$ 82,400
Other								\$ -
Total	\$ -	\$ 57,000	\$ -	\$ 82,400	\$ -	\$ -	\$ -	\$ 82,400

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Plumbing Fixtures Upgrade Locker Rooms
Project No.: 8006

PROJECT DESCRIPTION

Justification:

The showers in the locker rooms at Hart Park were built in 1968 and require increasing maintenance. The locker rooms are of a similar age and it is a priority project of the Park Board to upgrade the locker rooms to increase the marketability of Hart Park to area teams and organizations. This was originally budgeted in 2015 and will be carried over to 2016; however design was not budgeted so is budgeted in 2016.

Year of Construction: 2016 Expected Life of Item/Project: 20 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds		\$ 175,000	\$ 10,000					\$ 10,000
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ -	\$ 175,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ 10,000					\$ 10,000
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction		\$ 175,000	\$ -					\$ -
Other								\$ -
Total	\$ -	\$ 175,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks		\$ 175,000	\$ 10,000					\$ 10,000
Other								\$ -
Total	\$ -	\$ 175,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Replace Rubberized Play Surface at Webster Park
Project No.:	8008

PROJECT DESCRIPTION

Justification:
The surface was installed in the early 1990's and is deteriorating in heavy use areas such as the landing area at the end of the slide. Replacement is planned for 2016.

Year of Construction:	2016	Expected Life of Item/Project:	15 years
Request made by:			

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -				\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds			\$ 65,000					\$ 65,000
Total	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction			\$ 65,000	\$ -				\$ 65,000
Other								\$ -
Total	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks			\$ 65,000	\$ -	\$ -			\$ 65,000
Other								\$ -
Total	\$ -	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Chain Link Fence on South Side of Hart Park Lane
Project No.: 8009

PROJECT DESCRIPTION

Justification:

This section of fencing was not replaced when the stadium was constructed. It is adjacent to the softball diamond between the tennis courts and the football stadium. The existing fence is rusted and is planned for replacement.

Year of Construction: 2020 Expected Life of Item/Project: 25 years

Request made by: _____

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds				\$ -			\$ 47,250	\$ 47,250
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,250	\$ 47,250

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction				\$ -				\$ -
Other							\$ 47,250	\$ 47,250
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,250	\$ 47,250

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks				\$ -				\$ -
Other							\$ 47,250	\$ 47,250
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,250	\$ 47,250

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Hart Park Improvements 68th to 70th Street area
Project No.: 8010

PROJECT DESCRIPTION

Justification:

In 2014 the construction of the pavilion by the playground was started. It went into service in te spring of 2015. The new pavilion will provide restroom facilities for patrons of the very popular playground, and electrical services for vendors at Tosa Tonight events. Installation of shade structures and a vendor pad will also be part of the finished product. In 2017 funds are programmed for the bike paths at the east end of Hart Park. The budget is reduced by \$50,000 to reflect the use of funds for the skatepark.

Year of Construction: 2018 Expected Life of Item/Project: 40 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 510,944	\$ 467,500						\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF				\$ 155,000				\$ 155,000
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus	\$ 400,000	\$ 400,000						\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 910,944	\$ 867,500	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ 155,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other	\$ 46,159	\$ 87,500						\$ -
Engineering and Overhead	\$ 31,276	\$ 30,000						\$ -
Land Acquisition								\$ -
Construction	\$ 833,509	\$ 750,000		\$ -	\$ 155,000			\$ 155,000
Other								\$ -
Total	\$ 910,944	\$ 867,500	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ 155,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks	\$ 910,944	\$ 867,500		\$ -	\$ 155,000			\$ 155,000
Other		\						\$ -
Total	\$ 910,944	\$ 867,500	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ 155,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Hart Park Water Heater
 Project No.: 8011

PROJECT DESCRIPTION

Justification:
 The existing water heater in the Hart Park locker rooms will be 10 years old in 2017. This is the expected life expectancy of a water heater.

Year of Construction: 2018 Expected Life of Item/Project: 10 years
 Request made by: Ken Walbrant

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds					\$ 10,300			\$ 10,300
Total	\$ -	\$ -	\$ -	\$ -	\$ 10,300	\$ -	\$ -	\$ 10,300

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction					\$ 10,300			\$ 10,300
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 10,300	\$ -	\$ -	\$ 10,300

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks					\$ 10,300			\$ 10,300
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 10,300	\$ -	\$ -	\$ 10,300

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: Replace Field Turf at Hart Park Stadium
Project No.: 8014

PROJECT DESCRIPTION

Justification:
Installation of the field turf at Hart Park football stadium was completed in 2008. Field turf has a life expectancy of approximately 10 years. As such, funds are being programmed in the 2019 Capital Budget for the replacement of the turf at Hart Park.

Year of Construction: 2019 Expected Life of Item/Project: 10 years
Request made by:

SOURCE OF FUNDS SUMMARY

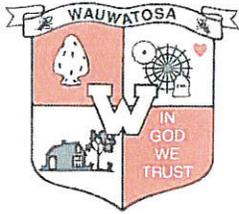
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds						\$ 1,000,000	\$ -	\$ 1,000,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ 1,000,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other						\$ 30,000	\$ -	\$ 30,000
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction						\$ 970,000	\$ -	\$ 970,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ 1,000,000

USE OF FUNDS - BY PROJECT TYPE

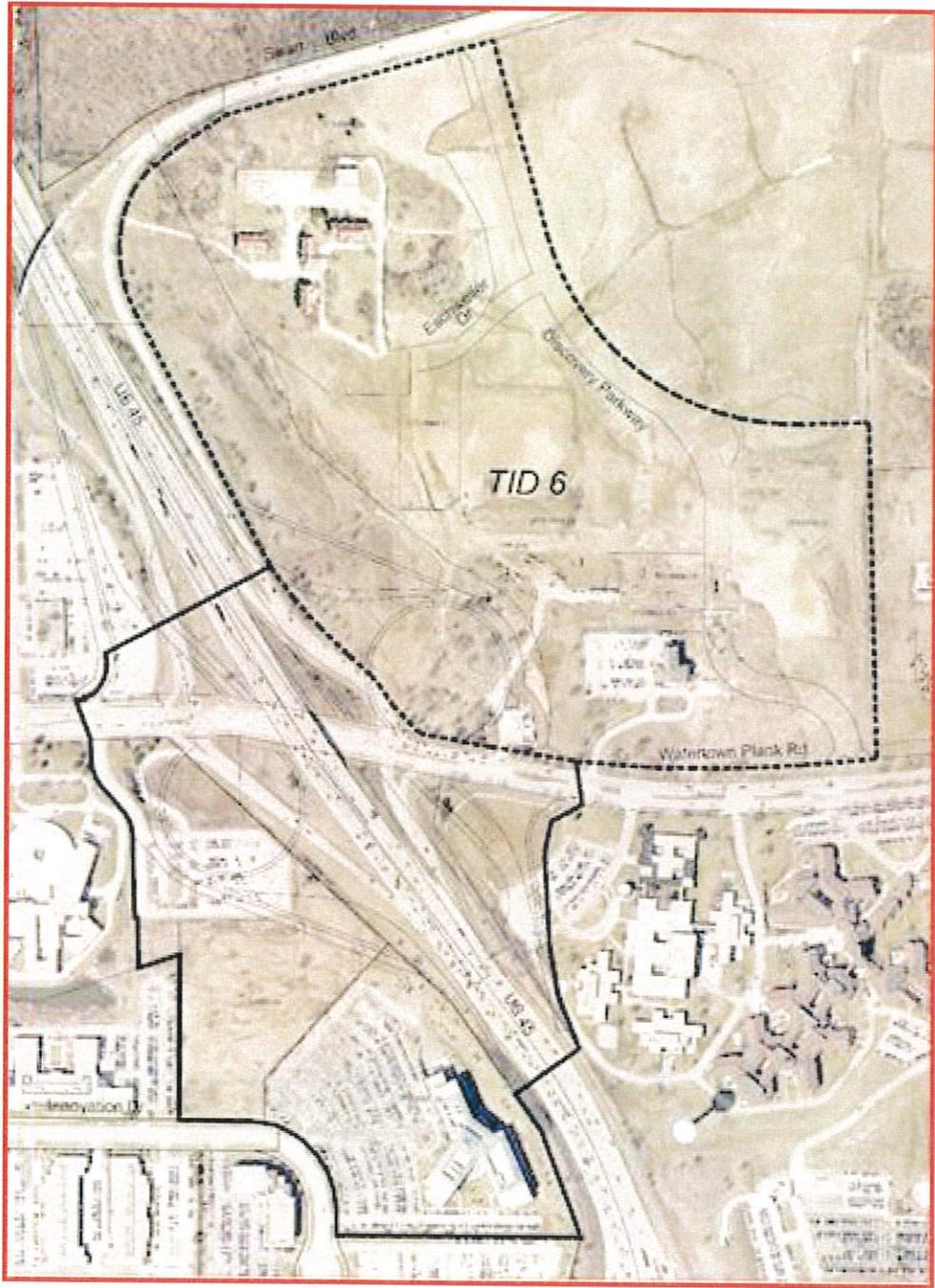
	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.			\$ -	\$ -				\$ -
TIF								\$ -
Parks						\$ 1,000,000	\$ -	\$ 1,000,000
Other								\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ 1,000,000



CAPITAL IMPROVEMENTS PROGRAM
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**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: TIF - Innovation Campus
Project No.: 7001

PROJECT DESCRIPTION

Justification:

The 2016-2020 Capital Budget for Innovation Campus assumes that a 150,000 square foot University of Wisconsin-Milwaukee Integrated Research Center (IRC) which was formally referred to as the Graduate School of Engineering building is constructed by the State of Wisconsin in 2018. Based on this, the City would likely be responsible for utilities associated with UWM Integrated Research Center totaling an estimated \$150,000 in 2017. In addition, the City would be responsible for some portion of the cost of a parking structure serving both the IRC and a 60,000 and 80,000 square foot commercial sites. This is budgeted in 2018 and the cost assume a parking ratio of 2.0 spots per 1,000 square feet with the City bearing 50% of the cost at \$18,000 per spot. No discussions have been held with the State of Wisconsin regarding the cost share or the needed parking requirements so this should be considered a conceptual estimate. Lastly, the construction of a round-about at Swan and Discovery in 2019 with an estimated State of Wisconsin Department of Transportation cost-share is included in 2019. As there is no agreement yet or finalized costs, these remain estimates.

Year of Construction: 2015-2018 Expected Life of Item/Project: Varies

Request made by:

SOURCE OF FUNDS SUMMARY

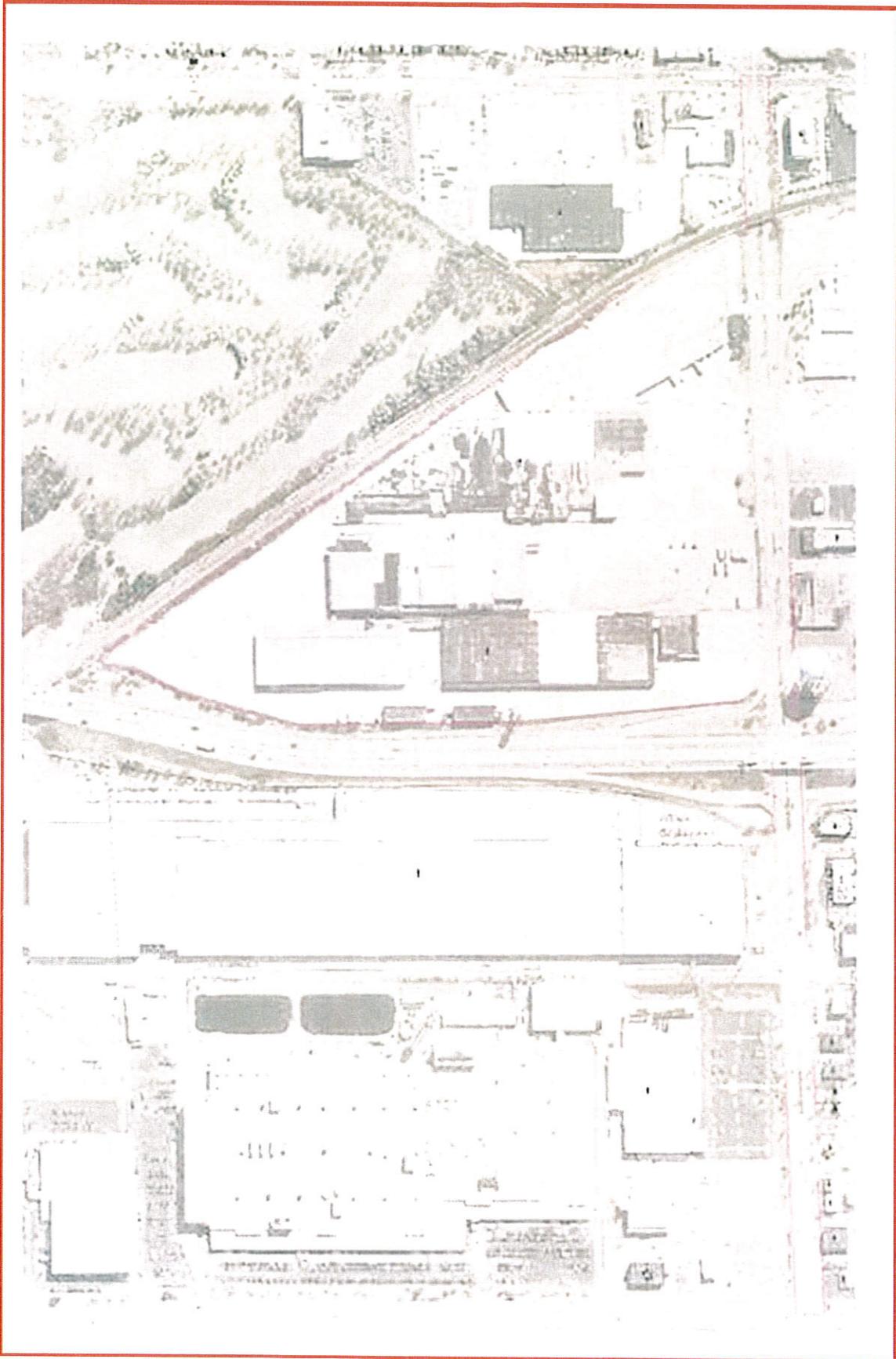
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF	\$ 15,086,460	\$ 15,556,000	\$ -	\$ 166,500	\$ 5,220,000	\$ 1,500,000		\$ 6,886,500
General Fund Transfer								\$ -
Grants/Shared Costs				\$ -	\$ 5,220,000	\$ 869,000		\$ 6,089,000
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 15,086,460	\$ 15,556,000	\$ -	\$ 166,500	\$ 10,440,000	\$ 2,369,000	\$ -	\$ 12,975,500

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ 12,000				\$ 12,000
Design - other								\$ -
Engineering and Overhead			\$ -	\$ 4,500		\$ 69,000		\$ 73,500
Land Acquisition								\$ -
Construction	\$ 15,086,460	\$ 15,556,000	\$ -	150000	\$ 10,440,000	\$ 2,300,000		\$ 12,890,000
Other								\$ -
Total	\$ 15,086,460	\$ 15,556,000	\$ -	\$ 166,500	\$ 10,440,000	\$ 2,369,000	\$ -	\$ 12,975,500

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation						\$ 2,369,000		\$ 2,369,000
Sanitary Sewers				\$ 166,500				\$ 166,500
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF	\$ 15,086,460	\$ 15,556,000	\$ -		\$ 10,440,000		\$ -	\$ 10,440,000
Parks								\$ -
Other								\$ -
Total	\$ 15,086,460	\$ 15,556,000	\$ -	\$ 166,500	\$ 10,440,000	\$ 2,369,000	\$ -	\$ 12,975,500



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**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Burleigh Street Public Improvements
Project No.:	7003

PROJECT DESCRIPTION

Justification:
As part of the Mayfair Collection development, the improvement of Burleigh Street from the US 45 interchange to Mayfair Rd. has been completed in 2015. This work was coordinated with the development of the Meijer's store, and Whole Foods. These improvements included Burleigh Street resurfacing, colored concrete crosswalks, traffic signal work at US 45, 112th street, 114th street, an off road path, water main improvements, sanitary sewer upgrades, street lighting replacement, and necessary signage. An at-grade multi-use path on north-side is to be elevated in future - 2019 for planning purposes.

Year of Construction:	2019	Expected Life of Item/Project:	40 years
Request made by:			

SOURCE OF FUNDS SUMMARY

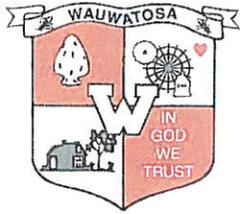
Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- San			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds- Storm			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate-backed Bonds - Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Assessment								\$ -
TIF	\$ 8,300,673	\$ 10,330,000	\$ -			\$ 150,000	\$ -	\$ 150,000
General Fund Transfer								\$ -
Grants/Shared Costs	\$ 395,168	\$ 980,000	\$ -					\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 8,695,841	\$ 11,310,000	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition	\$ 742,077	\$ 900,000	\$ -					\$ -
Construction	\$ 4,763,436	\$ 7,220,000	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000
Other	\$ 3,190,328	\$ 3,190,000						\$ -
Total	\$ 8,695,841	\$ 11,310,000	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000

USE OF FUNDS - BY PROJECT TYPE

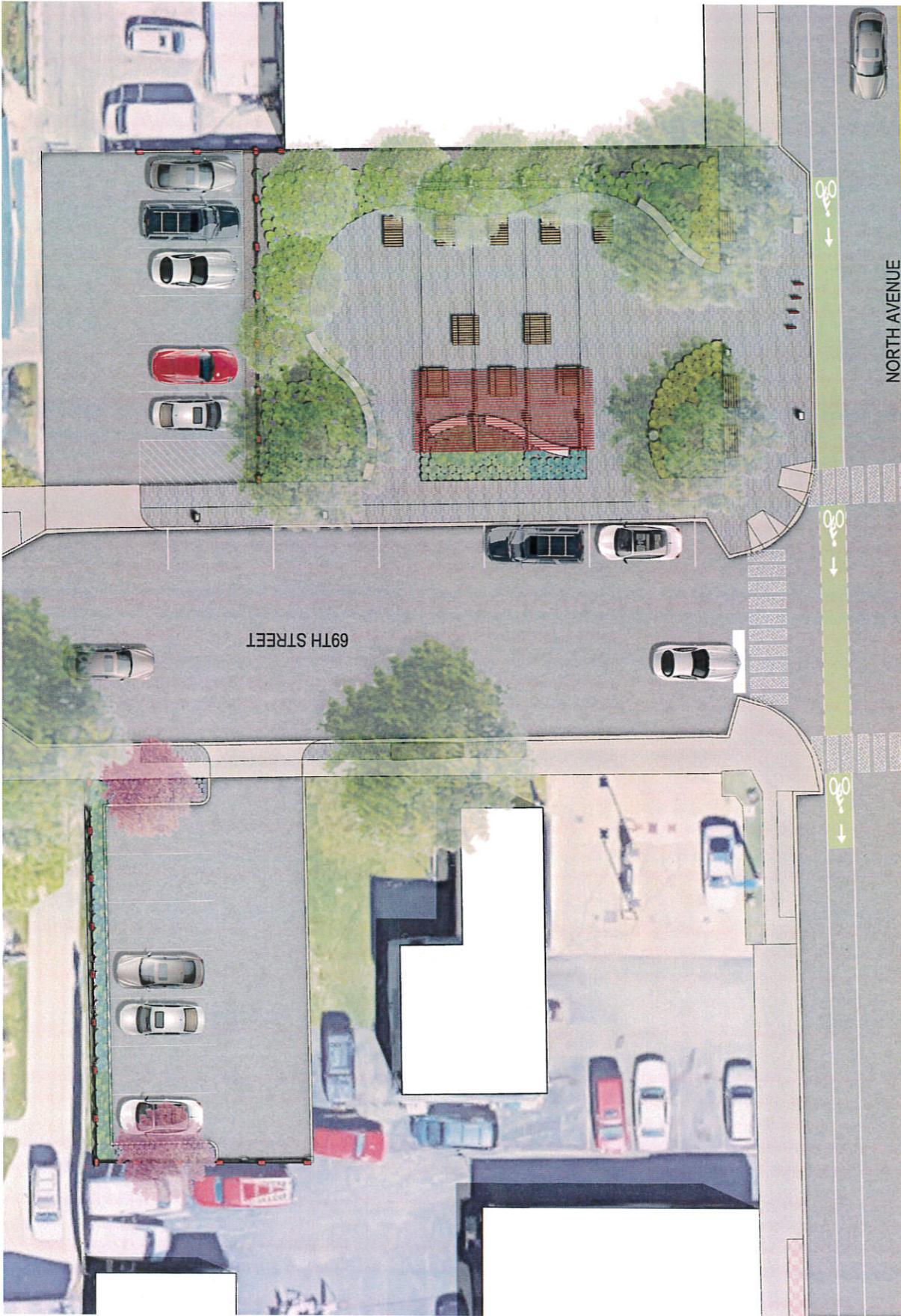
	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation			\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000
Sanitary Sewers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Storm Sewers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Structures & Equip.			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TIF	\$ 8,695,841	\$ 11,310,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Parks			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 8,695,841	\$ 11,310,000	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000



CAPITAL IMPROVEMENTS PROGRAM

OTHER PROJECTS

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SMITHGROUP JJR

East Tosa Plaza

OVERALL SITE PLAN

DRB
2015-1203

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title: East Tosa Improvements - North Ave Plan
Project No.: 9001

PROJECT DESCRIPTION

Justification:

In 2011 the Council approved an amendment to the Wauwatosa Comprehensive Plan that incorporated the recently completed North Ave Plan. In 2014, after an extensive study and public involvement process, a street improvement project eliminated the chicane, and installed green bike lanes on North Ave from Wauwatosa Ave to 60th street. In 2015 a project to reconstruct the 69th street lot with the vision approved by the steering committee and the Council has been approved. Engineering is underway over the winter of 2015-2016 with spring 2016 construction planned.

Year of Construction: 2016-2019 Expected Life of Item/Project: 40 years

Request made by:

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds	\$ 1,790,857	\$ 2,330,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ -	\$ 2,200,000
Rate-backed Bonds- San	\$ 55,015							\$ -
Rate-backed Bonds- Storm	\$ 255,661							\$ -
Rate-backed Bonds - Water	\$ 2,097							\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer								\$ -
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds								\$ -
Total	\$ 2,103,630	\$ 2,330,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ -	\$ 2,200,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house		\$ 200,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 200,000
Design - other	\$ 226,605	\$ 55,000						\$ -
Engineering and Overhead	\$ 158,825							\$ -
Land Acquisition	\$ 158,800	\$ 150,000						\$ -
Construction	\$ 1,559,400	\$ 1,725,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ 2,000,000
Other		\$ 200,000						\$ -
Total	\$ 2,103,630	\$ 2,330,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ -	\$ 2,200,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation	\$ 1,790,857	\$ 1,510,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ -	\$ 2,200,000
Sanitary Sewers	\$ 55,015	\$ 50,000						\$ -
Storm Sewers	\$ 255,661	\$ 220,000						\$ -
Water	\$ 2,097							\$ -
Structures & Equip.		\$ 550,000						\$ -
TIF								\$ -
Parks								\$ -
Other								\$ -
Total	\$ 2,103,630	\$ 2,330,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ -	\$ 2,200,000

**CITY OF WAUWATOSA CAPITAL IMPROVEMENTS PROGRAM
PROJECT REQUEST FORM**

IDENTIFICATION

Project Title:	Replace Financial, Human Resources & Utility Billing Systems
Project No.:	9003

PROJECT DESCRIPTION

Justification:
The Financial, Human Resources & Utility Billing Systems were originally installed in 1998. The current vendor, MS Govern, is transitioning to a new system. While they will continue to support the current GEMS system indefinitely, it is anticipated that development and enhancements to the system will eventually cease. In anticipation of this occurring, the City will begin planning for replacing the current system in 2017. Efforts to evaluate the City's needs and conduct a market study will likely begin in 2015.

Year of Construction:	2017	Expected Life of Item/Project:	15 years
Request made by:	Finance		

SOURCE OF FUNDS SUMMARY

Source of Funds	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Levy-backed Bonds								\$ -
Rate-backed Bonds- San								\$ -
Rate-backed Bonds- Storm								\$ -
Rate-backed Bonds - Water								\$ -
Special Assessment								\$ -
TIF								\$ -
General Fund Transfer						\$ 100,000	\$ -	\$ 100,000
Grants//Shared Costs								\$ -
Surplus								\$ -
Amortization Fund								\$ -
Other Funds					\$ 900,000	\$ -		\$ 900,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ 100,000	\$ -	\$ 1,000,000

USE OF FUNDS - BY COMPONENT

Components	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Design - in house								\$ -
Design - other								\$ -
Engineering and Overhead								\$ -
Land Acquisition								\$ -
Construction								\$ -
Other					\$ 900,000	\$ 100,000	\$ -	\$ 1,000,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ 100,000	\$ -	\$ 1,000,000

USE OF FUNDS - BY PROJECT TYPE

	YTD A	YTD B	2016	2017	2018	2019	2020	Total
Transportation								\$ -
Sanitary Sewers								\$ -
Storm Sewers								\$ -
Water								\$ -
Structures & Equip.								\$ -
TIF								\$ -
Parks								\$ -
Other					\$ 900,000	\$ 100,000	\$ -	\$ 1,000,000
Total	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ 100,000	\$ -	\$ 1,000,000