



Public Works Committee
Tuesday, August 8, 2023
6:00 p.m.
Cravath Conference Room
Municipal Building - 2nd Floor
312 W. Whitewater St
Whitewater, WI 53190

AGENDA

1. Call To Order And Roll Call
2. Approval Of Minutes From July 11, 2023

Documents:

[JULY 2023.PDF](#)

3. Hearing Of Citizen Comments
No formal Public Works Committee action will be taken during this meeting although issues raised may become a part of a future agenda. Participants are allotted a three minute speaking period. Specific items listed on the agenda may not be discussed at this time; however citizens are invited to speak to those specific issues at the time the Public Works Committee discusses that particular item.
4. New Business
 - 4.a. Discussion And Possible Action Awarding Project For The Northside Water Main Extension.

Documents:

[ITEM 4A.PDF](#)
[BID RESULTS.PDF](#)

- 4.b. Update On Vanderlip Pump Station Timeline.

Documents:

[ITEM 4B.PDF](#)

- 4.c. Discussion And Possible Action Regarding City Property To Be Disposed Of.

Documents:

[ITEM 4C.PDF](#)

- 4.d. Discussion And Possible Action Regarding Installation Of “No Stopping, Standing Or Parking” Areas Along The East Side Of Elizabeth Street Across From Laurel And Court Streets.

Documents:

[ITEM 4D.PDF](#)
[ELIZABETH SIGNAGE AREA.PDF](#)
[COURT AND LAUREL.PDF](#)

- 4.e. Discussion And Possible Action Regarding Sidewalk Replacement Program.

Documents:

[ITEM 4E.PDF](#)
[CHAPTER 12.22 SIDEWALK.PDF](#)

- 4.f. Discussion And Possible Action Regarding Municipal Code, Chapter 14.05 – Building Maintenance And Repair Standards.

Documents:

[ITEM 4F.PDF](#)

- 4.g. Discussion And Possible Action Regarding Amending Municipal Code, Chapter 11.16.040 – Forty-Eight Hour On Street Parking Limit.

Documents:

[ITEM 4G.PDF](#)
[ORDINANCE AMENDING 11.16.040.PDF](#)

- 4.h. Discussion And Possible Action Regarding Amending Municipal Code, Chapter 19.51.180 – Truck, Trailer, Mobile Home And Equipment Parking Restrictions.

Documents:

[ITEM 4H.PDF](#)
[ORDINANCE AMENDING 19.51.180.PDF](#)

- 4.i. Discussion And Possible Action Regarding On-Street Permit Parking On 2nd Street Between Center Street And Whitewater Street.

Documents:

[ITEM 4I.PDF](#)
[CURRENT ORDINANCE.PDF](#)
[EMAIL REQUEST.PDF](#)
[AERIAL VIEW OF PARKING.PDF](#)

- 4.j. Discussion And Possible Action Regarding Public Works Submitted Capital Improvement Projects.

Documents:

ITEM 4J.PDF
CIP PROJECTS.PDF

5. Future Agenda Items

6. Adjournment

It is possible that members of, and possibly a quorum of members of, other governmental bodies of the municipality may be in attendance at the above-stated meeting to gather information over which they may have decision-making responsibility; no action will be taken by any governmental body at the above-stated meeting other than the governmental body specifically referred to above in this notice. Anyone requiring special arrangements is asked to call the Office of the City Manager / City Clerk at least 72 hours prior to the meeting.



Public Works Committee
Tuesday, July 11, 2023
6:00 p.m.
Cravath Conference Room
Municipal Building - 2nd Floor
312 W. Whitewater St
Whitewater, WI 53190

1. Call to order and roll call.

The meeting was called to order by Stone at 6:00 p.m. The meeting was held at the Municipal Building in the Cravath Conference Room on the 2nd floor.

Present: Gerber, Allen, Stone
Others: Marquardt

2. Approval of minutes from June 13, 2023

It was moved by Allen and seconded by Gerber to approve the Public Works Committee minutes from the June 13, 2023, meeting.

AYES: All by via voice note (3). NOES: None. ABSENT: None.

3. Hearing of Citizen Comments

No hearing of citizens comments at that time.

4. New Business

a. Discussion and Possible Action regarding sidewalk replacement program.

Marquardt stated the sidewalk replacement program was on his radar as well as brought up by Alderperson Gerber for further discussion. According to the Chapter, the building inspector is the designated sidewalk administrator. Sidewalks are to be reviewed annually in one of the City's wards on a rotating basis. According to the ordinance, the property owner is responsible for the cost of repair or replacement.

The last records of the sidewalk replacement program Marquardt found was from 2009, which was administered by the Neighborhood Services Director. These records indicate the property owners were only responsible for paying 25% of the sidewalk repair/replacement. This may have been in response to a Special Assessment Resolution from 1996 where the Special Assessment Policy was updated. The 1996 Special Assessment Policy was again updated in 2015 where Council approved not assessing at all for sidewalks, among other things.

Fund 280 - Street Repairs, typically has \$20,000 budgeted for annual sidewalk repair. Staff has been using this money for miscellaneous sidewalk repairs, with work typically completed by City staff.

Marquardt stated he would like to get back into a true sidewalk replacement program. The thought would be to add the work onto our biannual street construction projects. Two wards would be included, with the emphasis on the wards closest to where the street construction work is happening, if possible. Since street construction is anticipated for 2024, only one ward will be looked at for inclusion next year. Ward 4 was suggested, which is bounded by Fremont Street, Main Street, Prairie Street and the Walworth County line. Fremont Street from Starin Road to Lauderdale is a proposed street construction project.

Additionally, the ordinance should be updated to reflect past and proposed changes.

Allen asked about sidewalks that need repair but not on the list for street reconstruction. Marquardt stated the first priority would be to look where they will be doing the street reconstruction. Another ward could be added if it is close by the reconstruction area so the contractor wouldn't have to go across town. Marquardt also stated that every curb ramp encountered will have to be updated to meet new ADA guidelines.

Committee members then discussed it being changed from a resolution to a policy.

Marquardt will bring the information back to the committee members regarding the cost of replacing a sidewalk. That way there will be a better understanding of costs associated with the project. Gerber asked that this be done before the budget is due this year. Given that information, this item will need to come back to the Public Works meeting in August.

b. Discussion and Possible Action regarding the installation of a four way stop at Walworth Avenue and Prince Street.

Marquardt stated Mr. Carl Peterson reached out to him about installing a four way stop sign at the intersection of Walworth Avenue and Prince Street. He mentioned there have been a number of accidents at the intersection and indicated vehicle speed on Walworth Avenue as a contributing factor.

Records from the Police Department show 11 accidents over the past 10 years. Included was a spreadsheet showing information from the police reports. Also included is an excerpt from the Manual on Uniform Traffic Control Devices pertaining to stop sign applications.

Marquardt does not recommend the installation of a four way stop at Walworth and Prince. The installation of stop signs are not for speed control if speeding is an issue. Additionally, the criteria for multi-way stop control does not seem to be met. Since seven of the accidents involved people actually stopping, then failing to yield the right of way, staff would recommend a sign that reads "Cross Traffic Does Not Stop" be added to the existing stop signs.

Allen made a motion to take no action on this item and seconded by Gerber. It was noted that the sign at this intersection already has the "Cross Traffic Does Not Stop" sign on it.

AYES: Gerber, Allen, Stone. NOES: None. ABSENT: None.

c. Discussion and Possible Action regarding special assessments for the Northside Water Main Extension.

Marquardt stated Johns Disposal made a request for the water main to be extended to their property. The request is based on an order from the DNR due to arsenic contamination and the need for fire protection. When a water main is extended, property owners typically pay for the extension through a special assessment. The project consists of approximately 2,050 feet of 12-inch water main. Assessments are based on an 8" main. To serve Johns Disposal, the water main needs to be installed across WE Energies property. After discussions with City Attorney (at the time) Wally McDonell, they

didn't believe it is "fair" to assess WE Energies. They paid 100% for the prior extension to their facility. Also, they didn't believe it was "fair" to assess Johns Disposal or the Wastewater Facility for the extension across WE Energies property. Therefore, the Water Utility would pay for that portion of the extension. Johns Disposal and the Wastewater Facility will each pay 50% of the remaining costs, based on an 8-inch water main; however, we are installing a 12-inch main.

The estimated breakdown is as follows:

Water Utility: responsible for the water across WE Energies. Estimated at \$170,210

Johns: responsible for 50% of the remaining extension. Estimated, using an 8" cost factor, at \$83,285

Wastewater: responsible for 50% of the remaining extension. Estimated, using an 8" cost factor, at \$83,285

Water Utility: responsible for the difference between 8" and 12". Estimated at \$23,220.

Marquardt stated he would reach out to Johns to see if they would agree to obtain waivers for the special assessment hearing. The Wastewater Utility would also have to sign the waiver for the special assessment hearing. There would be no need for a public hearing. Additionally, Marquardt is recommending that payments be allowed in equal installments over five years with no interest for Johns and the Wastewater Utility.

Allen made a motion for the approval regarding the special assessments for the Northside Water Main Extension and seconded by Gerber.

Marquardt stated the next step will be to have Johns sign the waiver and then it will come back to Council with a resolution that authorizes the City to do the special assessment and the five-year payment plan.

AYES: Allen, Stone, Gerber. NOES: None. ABSENT: None.

d. Discussion and Possible Action regarding water main easement across WE Energies Property at 111 County Road U, Parcel 292-0515-3321-000.

Marquardt stated Johns Disposal has made a request for the water main to be extended to their property. In order to serve their property, the water main must be extended across WE Energies owned property lying to the west of Johns Disposal. The permanent and temporary easements were viewed for approval. WE Energies asked the permanent easement be recorded and the temporary easement, as a separate document, not be recorded.

Allen moved to approve the water main easement across WE Energies property at 111 County Road U, Parcel 292-0515-3321-000 and seconded by Stone. Stone asked if the City had to pay for this and Marquardt stated there is no cost associated with this item.

AYES: Stone, Gerber, Allen. NOES: None. ABSENT: None.

e. Discussion and Possible Action regarding installing speed bumps on Ann Street.

Allen stated no action will be taken on this item.

Marquardt stated at a recent Council meeting, a resident on Ann Street complained about speeding on Ann Street and the possibility of adding speed bumps. The Police Department set up the traffic speed board for eastbound traffic from June 9 to June 21. Data was collected from a total of 1,732 vehicles. The posted speed is 25 mph. From the data, 1,303 vehicles (75%) were at or below the speed limit. The 85% Percentile, the percentile which the speed limit should be set to, was 27 mph. Of the 429 vehicles

over the limit, 416 were within 10 mph of the speed limit, and 13 vehicles were clocked at more than 35 mph.

Marquardt said based on the collected data, speed does not seem to be out of line with the posted speed limit. Staff would not recommend the installation of speed bumps.

Gerber said if they are not doing the speed bumps and the sidewalks were asked to be taken out, but we have the sidewalk policy which can't be done without a variance unless you are taking it out of the policy. Therefore, we have no sidewalks and no speed bumps. Marquardt stated that is where they are at right now. He stated there are many streets in the City that have no sidewalks and no speed bumps. Gerber asked if the sidewalk could be taken out now? The policy states they have to have a variance from the Council. Marquardt stated he should take it back to Council for final approval to take the sidewalk out. Stone said he thought it had to be a certain distance and it may not apply to this. It was noted it has to be 50% of the street or the block. He doesn't think we would need a variance. Marquardt stated the sidewalk was voted to be taken out (at a prior meeting) because it was emptying into the street and sending pedestrians into no man's land. It would be better to have pedestrians cross at Tripp Street, go up to James Street, where there are sidewalks to come across. He doesn't think that having a sidewalk that empties into the street is a good idea. Based on discussion, there was no action taken on the item.

f. Discussion and Possible Action regarding forty-eight hour on-street parking limit and the motor home/trailer parking ordinances.

Marquardt stated Alderperson Allen asked for this item to be on the agenda for review. Chapter 11.16.040 – Forty-eight hour on-street parking limit states, "It is unlawful to park any vehicle for a period longer than forty-eight hours on any street, alley, or in any public parking lot not otherwise restricted as to parking time." The ordinance does not state however as to how far a vehicle must be "moved" to satisfy not being parked for longer than forty-eight hours.

Stone made a motion to change to the on-street Ordinance Chapter 11.16.040 that it is unlawful to park any vehicle for a period of longer than forty-eight hours within the same adjacent lot, any street, alley, or any public parking lot not otherwise restricted as to parking time and seconded by Allen.

AYES: Allen, Stone. NOES: Gerber. ABSENT: None.

The ordinance pertaining to motor homes, trailers, campers, etc. is 19.51.180.

Allen made a motion to remove the words "in the side" under B. and D. of Ordinance Chapter 19.51.180. In addition, add "hard surface" to the rear yard under B. and D. of Ordinance Chapter 19.51.180 and seconded by Gerber.

Example only (may not be exact wording):

B. The unenclosed parking of either one unoccupied house trailer, motor home, or one unoccupied camp trailer in the ~~side and~~ rear yard **only, on a hard surface only**, provided that the motor home, house trailer or camp trailer is parked at least five feet from the lot lines; motor homes shall also abide by all restrictions relating to motor vehicle parking;

D. Boat trailers, trailers for all terrain vehicles (ATVs) or snowmobiles, and all other private residential-type trailers shall be permitted to park in the ~~side and~~ rear yard only, on a **hard surface only**.

AYES: Allen, Stone, Gerber. NOES: None. ABSENT: None.

g. Discussion and Possible Action regarding Municipal Code, Chapter 14.05 – Building Maintenance and Repair Standards.

Marquardt stated Alderperson Allen asked for this item to be on the agenda for review, particularly in regards to houses being properly sided. Chapter 14.05 of the Municipal Code refers to the required building maintenance and repair standards. However, it does not specifically refer to the appearance of the outside of a house other than “Every exterior wall shall be free of deterioration, holes, breaks, loose or rotting board or timbers”.

Allen stated there is a house on Walton Dr. and E. Milwaukee St. that have been sitting for a long time with only house wrap and no siding. Allen said there needs to be something in the code that addresses this issue. Milwaukee St. is in a business district and the Walton Dr. address is in a residential district; therefore, we need an ordinance that encompasses everything. Therefore, how do you say you need to keep your place looking nice. Marquardt asked if he should work with the Neighborhood Services Director and the Building Inspector to see if he has something from another community that he uses for enforcement. Gerber would also like to know first if a permit is needed to replace siding or is one just needed for adding stone, etc. If a permit is needed, the owner should be getting fined. Marquardt will bring the requested information back to the next meeting.

h. Discussion and Possible Action regarding repaving Fremont Street from Lauderdale Drive north to the City Limits.

Marquardt stated Fremont Street from Starin Road to Lauderdale Drive is proposed to be reconstructed in 2024. Staff would like to include the remaining portion of Fremont Street from Lauderdale Drive north to Whitewater Creek. The remaining portion is in terrible shape, with the asphalt having a PASER rating of 3, with 10 being the best. It does not have curb and gutter or storm sewer. The water main and sanitary sewer and forcemain are located to the side of the street. This would be an ideal time to include the repaving of this portion of Fremont Street.

The estimated cost to repave the remaining portion of Fremont Street is \$270,000. The cost would be included in borrowing the overall cost of the Fremont reconstruction project.

The west side of Fremont Street north of Lauderdale Drive is all University land with the exception of one house. The majority of the east side is the Whitewater Creek Nature Area. While curb and gutter are suggested to be included per our Complete Street ordinance, it is not mandated. There are no issues with flooding on this stretch. Additionally, if curb and gutter was to be installed, the City would have to look at installing a post storm water management system, such as a detention basin. For these reasons, staff is recommending the remaining portion of Fremont Street be pulverized and repaved, and be included as part of the reconstruction project.

The consensus of the committee was to move forward with the paving on Fremont Street from Lauderdale Drive north of the Whitewater Creek.

i. Discussion and Possible Action approving Strand Task Order 23-08 Biosolids Study.

Marquardt stated some components at the plant were not updated, with the last upgrade, and continue to age. The anaerobic digester, at the plant, did not get upgraded. It is old and takes abuse because of the gas, which eats away at the concrete and the covers. There is also a concern about PFAS being in the biosolids that are put on farm fields. Wastewater has tested their water and there was a non-detect in the water and a non-detect in their discharge. They are waiting for results from the biosolids but are hopeful, based on the other two results, the results will be in same category. There are also uncertainties with new standards coming forth from the DNR.

Therefore, staff is asking for Strand to help develop a capital improvement plan (CIP) for the rehabilitation or replacement of the anaerobic digester components including the covers, concrete surfaces, gas piping, and thickening equipment. The following scenarios will be looked at:

1. Current land application with outside vendor.
2. Land application buying new equipment using city staff.
3. New dewatering equipment with land application with outside vendor. This will reduce the amount of material put on farm fields.
4. New drying equipment to achieve Class A biosolids with and without a regional facility. This equipment heats to a certain degree to kill all of the pathogens. This process then makes the material much less regulated, like fertilizer. People could then use it on their lawns, etc. without any regulations.
5. Hauling biosolids to a regional facility through an outside vendor.
6. Hauling biosolids to a regional facility with new equipment and City staff.

The estimated cost for this study, based on an hourly rate basis plus expenses, is not to exceed \$34,000. This planning study will help the Wastewater Utility plan for the future. Staff recommends approval to be forwarded to the full Council.

Stone made a motion to approve Strand Task Order 23-08 Biosolids Study, not exceeding \$34,000, and seconded by Allen.

AYES: Gerber, Allen, Stone. NOES: None. ABSENT: None.

5. Future Agenda Items

Gerber requested an update on the Vanderlip Lift Station project.

6. Adjournment

It was moved by Allen and seconded by Gerber to adjourn the Public Works Committee meeting at 7:17 p.m.

AYES: All by via voice vote (3). NOES: None. ABSENT: None.

Respectfully submitted,

Alison Stoll

Alison Stoll, Administrative Assistant
Department of Public Works



Public Works Agenda Item

Meeting Date:	August 8, 2023
Agenda Item:	4a. Northside Water Main Extension
Staff Contact (name, email, phone):	Brad Marquardt, bmarquardt@whitewater-wi.gov , 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

The City opened bids on August 2, 2023 for the Northside Water Main Extension project which extends water to Johns Disposal and the Wastewater Facility. Seven bids were received with the base bid for ductile iron pipe and the alternate bid for PVC pipe:

1. Wondra Construction	\$352,251.48	\$305,954.08
2. BKS Excavating	\$391,850.00	\$349,590.00
3. Globe Contractors	\$414,300.00	\$367,775.00
4. RR Walton & Company	\$433,749.95	\$391,549.95
5. The Wanasek Corporation	\$449,960.60	\$402,598.60
6. Fischer Excavating	\$488,005.00	\$400,245.20
7. Rock Road Companies	\$731,800.00	\$697,433.35

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

N/A

FINANCIAL IMPACT

(If none, state N/A)

The estimated cost for this project was \$360,000. Money was not specifically budgeted for this project in the 2022-2023 CIP. A budget amendment will need to be approved at the August 15, 2023 Council meeting switching already borrowed Revenue bonds from the Vanderlip Pumping Station project to the Northside Water Main Extension Project

STAFF RECOMMENDATION

Staff recommends accepting the low bid from Wondra Construction of Iron Ridge, Wisconsin, for ductile iron pipe and forwarding to Council for awarding the bid.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. Bid Results

North Side Water Main Extension
 Contract 2-2023
 City of Whitewater, Wisconsin
 Solicitor: Strand Associates, Inc.
 August 2, 2023 1 P.M. Central Time

				Wondra Construction, Inc.		BKS Excavating Inc.		Globe Contractors, Inc.		RR Walton & Company LTD		The Wanasek Corp		Fischer Excavating, Inc.		Rock Road Companies, Inc.		
Section Title	Line Item	Item Description	UoM	Quantity	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
North Side Water Main Extension																		
	1	12-IN DI Water Main	LF	2,050	\$121.22	\$248,501.00	\$133.00	\$272,650.00	\$135.00	\$276,750.00	\$166.00	\$340,300.00	\$140.00	\$287,000.00	\$186.00	\$381,300.00	\$215.00	\$440,750.00
	2	10-IN DI Water Main	LF	45	\$136.02	\$6,120.90	\$145.00	\$6,525.00	\$150.00	\$6,750.00	\$150.00	\$6,750.00	\$175.00	\$7,875.00	\$157.00	\$7,065.00	\$200.00	\$9,000.00
	3	6-IN DI Fire Hydrant Lead	LF	30	\$101.24	\$3,037.20	\$95.00	\$2,850.00	\$285.00	\$8,550.00	\$140.00	\$4,200.00	\$104.00	\$3,120.00	\$107.00	\$3,210.00	\$195.00	\$5,850.00
	4	12-IN DI Valve and Valve Box	EA	4	\$4,930.72	\$19,722.88	\$4,750.00	\$19,000.00	\$5,000.00	\$20,000.00	\$6,500.00	\$26,000.00	\$4,725.00	\$18,900.00	\$5,280.00	\$21,120.00	\$6,500.00	\$26,000.00
	5	10-IN DI Valve and Valve Box	EA	1	\$4,057.32	\$4,057.32	\$4,200.00	\$4,200.00	\$4,500.00	\$4,500.00	\$5,500.00	\$5,500.00	\$4,160.00	\$4,160.00	\$4,228.00	\$4,228.00	\$5,500.00	\$5,500.00
	6	Fire Hydrant W/ Auxiliary Valve and Valve Box	EA	3	\$6,871.18	\$20,613.54	\$7,200.00	\$21,600.00	\$7,200.00	\$21,600.00	\$7,600.00	\$22,800.00	\$7,400.00	\$22,200.00	\$8,252.00	\$24,756.00	\$9,500.00	\$28,500.00
	7	Connect to Existing Water Main	EA	1	\$3,699.05	\$3,699.05	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,200.00	\$7,200.00	\$9,075.00	\$9,075.00	\$7,637.00	\$7,637.00	\$63,000.00	\$63,000.00
	8	Hauled-In Granular Backfill	T	100	\$22.25	\$2,225.00	\$20.00	\$2,000.00	\$25.00	\$2,500.00	\$10.00	\$1,000.00	\$17.00	\$1,700.00	\$28.00	\$2,800.00	\$15.00	\$1,500.00
	9	Verify Sanitary Sewer or Force Main Elevation Prior to Water Main Construction Staking	EA	4	\$1,012.05	\$4,048.20	\$750.00	\$3,000.00	\$750.00	\$3,000.00	\$1,000.00	\$4,000.00	\$730.00	\$2,920.00	\$338.00	\$1,352.00	\$2,500.00	\$10,000.00
	10	Clearing and Grubbing	LS	1	\$2,024.10	\$2,024.10	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,575.00	\$5,575.00	\$10,003.00	\$10,003.00	\$15,000.00	\$15,000.00
	11	Asphaltic Pavement Restoration, INCL Base Course	SY	50	\$208.00	\$10,400.00	\$110.00	\$5,500.00	\$75.00	\$3,750.00	\$100.00	\$5,000.00	\$130.00	\$6,500.00	\$102.00	\$5,100.00	\$150.00	\$7,500.00
	12	Turf Restoration	LS	1	\$17,641.33	\$17,641.33	\$32,000.00	\$32,000.00	\$49,000.00	\$49,000.00	\$2,000.00	\$2,000.00	\$56,600.00	\$56,600.00	\$11,112.00	\$11,112.00	\$45,000.00	\$45,000.00
	13	Riprap Apron W/ Fabric	SY	35	\$53.53	\$1,873.55	\$15.00	\$525.00	\$40.00	\$1,400.00	\$28.57	\$999.95	\$81.00	\$2,835.00	\$54.00	\$1,890.00	\$120.00	\$4,200.00
	14	Erosion Control	LS	1	\$8,287.41	\$8,287.41	\$8,500.00	\$8,500.00	\$4,000.00	\$4,000.00	\$3,000.00	\$3,000.00	\$21,500.00	\$21,500.00	\$6,432.00	\$6,432.00	\$70,000.00	\$70,000.00
Base Bid Total:						\$352,251.48		\$391,850.00		\$414,300.00		\$433,749.95		\$449,960.00		\$488,005.00		\$731,800.00

				Wondra Construction, Inc.		BKS Excavating Inc.		Globe Contractors, Inc.		RR Walton & Company LTD		The Wanasek Corp		Fischer Excavating, Inc.		Rock Road Companies, Inc.		
Bid Alternative No. 1																		
	A-1	Change 12-IN DI Water Main to 12-IN PVC Water Main	LF	2,050	(\$21.95)	(\$44,997.50)	(\$20.00)	(\$41,000.00)	\$113.00	\$231,650.00	\$146.00	\$299,300.00	(\$22.15)	(\$45,407.50)	(\$41.75)	(\$85,587.50)	(\$16.26)	(\$33,333.00)
	A-2	Change 10-IN DI Water Main to 10-IN PVC Water Main	LF	45	(\$20.00)	(\$900.00)	(\$20.00)	(\$900.00)	\$129.00	\$5,805.00	\$130.00	\$5,850.00	(\$29.26)	(\$1,316.70)	(\$32.80)	(\$1,476.00)	(\$14.19)	(\$638.55)
	A-3	Change 6-IN DI Fire Hydrant Lead to 6-IN PVC Fire Hydrant Lead	LF	30	(\$13.33)	(\$399.90)	(\$12.00)	(\$360.00)	\$269.00	\$8,070.00	\$130.00	\$3,900.00	(\$21.24)	(\$637.20)	(\$23.21)	(\$696.30)	(\$13.17)	(\$395.10)
Bid Alternative No. 1 Total:						(\$46,297.40)		(\$42,260.00)		\$245,525.00		\$309,050.00		(\$47,361.40)		(\$87,759.80)		(\$34,366.65)

				Wondra Construction, Inc.		BKS Excavating Inc.		Globe Contractors, Inc.		RR Walton & Company LTD		The Wanasek Corp		Fischer Excavating, Inc.		Rock Road Companies, Inc.		
Base Bid plus Bid Alternative No. 1																		
Total Bid:						\$305,954.08		\$349,590.00		\$659,825.00		\$742,799.95		\$402,596.60		\$400,245.20		\$697,433.35



Public Works Agenda Item

Meeting Date:	August 8, 2023
Agenda Item:	4b. Vanderlip Project Timeline
Staff Contact (name, email, phone):	Brad Marquardt, bmarguardt@whitewater-wi.gov , 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

The City bid out the Vanderlip Pumping Station Project in May 2022. Two bids were received, both well over the anticipated budgeted amount. Since that time, staff has applied for Clean Water Funding through the DNR. The project has ranked high among other projects submitted Statewide. The actual application for the funding is due September 30. As part of the application, the City should be eligible for Principal Forgiveness for 50% of the loan up to \$2 million. Staff anticipates advertising the project September 7 and 14, 2023 with a bid opening October 4. The bids will be reviewed at the Public Works Committee meeting October 10 with hopeful award at the October 17 Council meeting. Staff is hoping a contractor will start construction over winter on the cross country portion of the project.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

December 2019 – Council approved Task Order to complete a West Side Sanitary Survey.
March 2021 – Council approved Task Order for the design of the Vanderlip Pumping Station.
May 10, 2022 – Public Works Committee recommended not approving the bid.
May 17, 2022 – Council approved not awarding the bid to a contractor.

FINANCIAL IMPACT

(If none, state N/A)

The CIP budget included \$2,827,200 for this project. The estimated cost is around \$4,650,000. Additional funds will come from the Clean Water Fund.

STAFF RECOMMENDATION

No action is needed at this meeting.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. N/A



Public Works Agenda Item

Meeting Date:	August 8, 2023
Agenda Item:	4c. Auction Items
Staff Contact (name, email, phone):	Brad Marquardt, bmarguardt@whitewater-wi.gov , 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

Each year City Departments try to clear out items that are no longer being used and put them up for auction before disposing of them. The following is a list of items that are being considered for auction later this year.

Police

- 2013 Hyundai Sonata GLS with VIN 5NPEB4AC7DH675868
- 2015 Ford Explorer with VIN 1FM5K8AR4FGC66631

Park & Rec

- Pottery Kiln (Not sure if it works)
- Old Cravath Lakefront Stage Backdrop

Water

- 2002 F250 4x2 with 123,000 with a lift gate

Wastewater

- small set of lockers

Streets

- 1999 Chevrolet S-10 pickup
- 2011 Toro 4000 D bat wing mower
- Street lights from replacement project
- 7 -100# LP Cylinders
- 10- Overhead light fixtures removed from back shop
- Curtis snowplow from Kubota RTV
- Pallet of concrete anchor rods
- 2- street painters
- 9- 8'-4"x4" composite material

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

N/A

FINANCIAL IMPACT

(If none, state N/A)

Any money acquired through auction is returned to the appropriate department.

STAFF RECOMMENDATION

Staff recommends approval to put the above mentioned items up for auction.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. N/A



Public Works Agenda Item

Meeting Date: August 8, 2023

Agenda Item: 4d. Elizabeth Street Parking

Staff Contact (name, email, phone): Brad Marquardt, bmarguardt@whitewater-wi.gov, 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

Representatives from the Whitewater School District reached out to staff about the possibility of painting crosswalks on Elizabeth Street at Laurel Street and Court Street. The intention would be to provide a designated area for students to cross. The issue with adding crosswalks at these locations is that there is no sidewalk on the west side of Elizabeth Street. At a minimum, staff believes there should be a landing area, if a crosswalk was painted. An alternative suggested by staff is to install “No Stopping, Standing or Parking” signs at each curb ramp location. The signs at each location would encompass the area of the curb ramp and include the area occupied by existing hydrants. This would provide a larger area for students to better see approaching vehicles and vice versa when students cross at these intersections. The Police Department was consulted on the additional signage and are in favor of it.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

N/A

FINANCIAL IMPACT

(If none, state N/A)

The addition of four signs by the Streets Department is minimal.

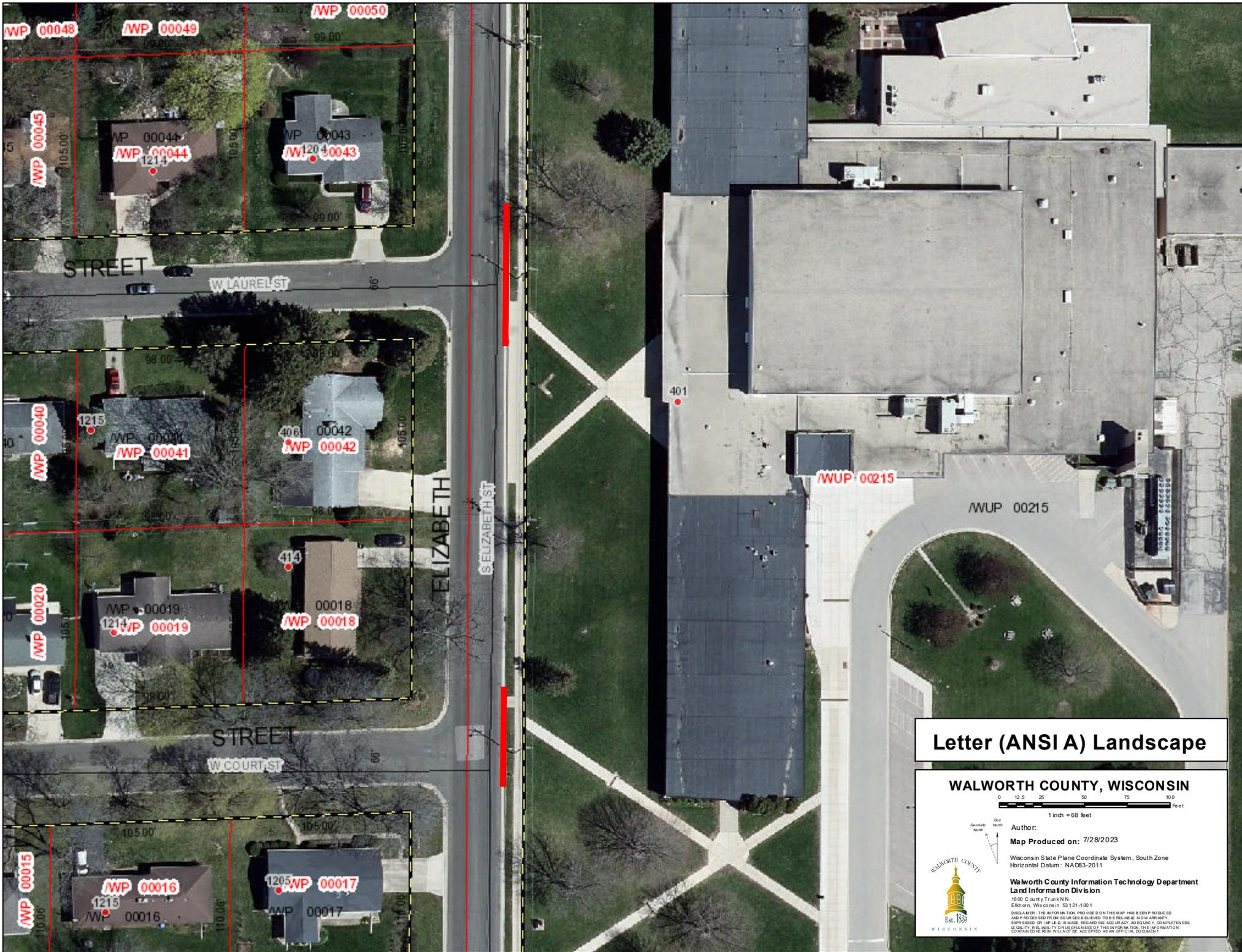
STAFF RECOMMENDATION

Staff recommends approval of the idea and recommends an ordinance change be brought to the August 15 Council meeting. If this is the direction of the Public Works Committee, staff would also recommend the second reading of the ordinance be waived so the signage could go in effect before school starts.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. Elizabeth Signage Area
2. Court & Laurel



Letter (ANSI A) Landscape

WALWORTH COUNTY, WISCONSIN



Author:
Map Produced on: 7/28/2023

Wisconsin State Plane Coordinate System, South Zone
Horizontal Datum: NAD83-2011



Walworth County Information Technology Department
Land Information Division
1800 County Trunk N N
Elkhorn, Wisconsin 53121-1001

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47'

10'



WHITEWATER MIDDLE SCHOOL

10' →

66'

→



Public Works Agenda Item

Meeting Date:	August 8, 2023
Agenda Item:	4e. Sidewalk Replacement Program
Staff Contact (name, email, phone):	Brad Marquardt, bmarguardt@whitewater-wi.gov , 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

At the July 2023 Public Works meeting, the committee and staff discussed changes to the sidewalk repair program and ordinance. Before decisions were made, there were questions about how much it would cost to repair sidewalk and how much sidewalk is there in a Ward to be replaced. To determine this, staff walked the streets located in Ward 4, namely, Fremont St, Park St, Franklin Street, Esterly Avenue, Prairie Street, Starin Road, North Street and W. Main Street and noted how many sections of sidewalk would be marked for replacement. This also included curb ramps which would need to be updated to current ADA guidelines.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

N/A

FINANCIAL IMPACT

(If none, state N/A)

Using \$5000 for curb ramp replacements at a quadrant and \$50 per foot for sidewalk replacement, the following are the estimated totals:

• Fremont E/S	\$11,250
• Fremont W/S	\$8,250
• Park E/S	\$24,250
• Park W/S	\$15,500
• Franklin E/S	\$49,000
• Franklin W/S	\$64,750
• Esterly E/S	\$41,500
• Esterly W/S	\$32,500
• Prairie E/S	\$38,000
• North N/S	\$8,250
• Main St N/S	\$2,250
• Starin N/S	\$55,500
• Starin S/S	<u>\$22,000</u>
Total	\$373,000

STAFF RECOMMENDATION

This information is provided to help formulate a sidewalk repair program. There are 13 Wards in the City. Not all the streets in Wards have sidewalks and sidewalks in some Wards are much newer. Ward 4 has older streets (and sidewalks), bigger terrace trees and sidewalk on all streets. Some suggestions are:

- Try borrowing money to do the entire project as a one time catch up.
- Add additional money yearly to Fund 280
- Only replace sidewalk and not curb ramps.
- Only replace sidewalk that is a tripping hazard.
- Adopt a new resolution where property owners once again pay a portion of the cost through assessments.

ATTACHMENT(S) INCLUDED
(If none, state N/A)

1. Chapter 12.22 Sidewalk
-

12.22.010 Appointment of administrator—Duties.

- (a) The building inspector shall be designated as the sidewalk administrator.
- (b) It shall be the responsibility of the sidewalk administrator to administer the provisions of this chapter. He shall determine that new sidewalks are laid where required, that existing sidewalks are repaired or replaced when required, and that all sidewalk construction is completed according to the requirements of this chapter.

(Ord. 1015 §2(part), 1983).

12.22.040 Sidewalk repair and replacement—When required.

- (a) The sidewalk administrator shall order any sidewalk which is unsafe, defective, or insufficient to be repaired or replaced so that said sidewalk meets the specifications set forth in this chapter.
- (b) During the calendar year 1983, the sidewalk administrator shall perform a comprehensive survey of the structural conditions of all sidewalks in the City of Whitewater and shall report to the council those sidewalks which are unsafe, defective or insufficient. Starting in the calendar year 1984, the sidewalk administrator shall annually review the sidewalks in one of the wards per year on a rotating basis.
- (c) Whenever the following sidewalk defects are found to exist by the sidewalk administrator, an appropriate order for the repair or replacement of the sidewalk shall be made:
 - (1) When a sidewalk has a three-quarter inch or greater height difference between blocks, it shall be required that the entire block which is out of alignment be replaced and realigned. Topping the lower slab with concrete or blacktop and/or using concrete or blacktop to ramp from the lower slab to the higher slab is not permitted.
 - (2) When a horizontal alignment variance of one inch per foot or greater exists the entire block which is out of alignment shall be required to be replaced or realigned.
 - (3) When one or more cracks exist in a block with openings which are of three-quarters of an inch or larger, it shall be required that the entire block be replaced.
 - (4) When the scaling or cracking of a block makes the block unsafe, the entire block shall be required to be replaced.
 - (5) When a block has a corner missing, and the size of the missing corner is less than six inches by six inches, the block may be repaired by patching unless the condition is repetitive on three or more blocks, in which case the blocks shall be replaced.
 - (6) When the height of a block causes isolated ponding of water, the entire block shall be required to be replaced or adjusted in elevation so that the ponding of water is eliminated.
 - (7) When the sidewalk has not been set to the required grade or line or does not comply with other specifications of this chapter, it shall be required to be repaired or replaced.
- (d) When a portion of an old sidewalk is repaired or replaced and the original width of said sidewalk was less than or greater than four feet, the original width of the sidewalk shall prevail, provided that the original width is uniform within the entire block and also that less than all of the sidewalk on the entire block will be replaced. In all other circumstances the four-foot width regulation shall be applicable.
- (e) Although minor streets are not required to install new sidewalk where none had previously existed, they are required to maintain existing walk and to install new sidewalk in blocks in which there is sidewalk along fifty

percent of the street frontage within the block. There are no provisions which allow removal of sidewalk unless a variance would be granted by the council.

(Ord. 1015 §2(part), 1983).

12.22.060 Owner responsibility for the construction of new sidewalk and for the replacement and repair of existing sidewalk—Noncompliance.

- (a) Whenever the sidewalk administrator determines that the provisions in this chapter require the construction of new sidewalk or the repair or replacement of existing sidewalk, he shall prepare an order requiring that new sidewalk be constructed or that existing sidewalk be repaired or replaced. A copy of the order directing such construction, replacement or repairs shall be served upon the owner of each lot or parcel of land. The sidewalk administrator shall serve such notice. Service of the notice may be made by personal delivery, by certified or registered mail, or by publication in the Whitewater Register as a Class I notice under Chapter 985 of the Wisconsin Statutes, together with mailing by first class mail if the name and mailing address of the owner can be readily ascertained.
- (b) Whenever any such property owner who has been notified shall neglect for a period of twenty days after such notification to lay, remove or replace, or repair any such sidewalk, the sidewalk administrator may cause such work to be done at the expense of such owner. All work for the construction of new sidewalks and the replacement or requiring of existing sidewalks shall annually be let by competitive bidding to the lowest responsible bidder, or done by public works personnel currently employed by the City of Whitewater.
- (c) The sidewalk administrator shall serve the order, which is discussed in subsection (a) of this section, along with a "Notice of Owner's Intent Form." Said form shall state the options for the property owner. The property owner shall return the "Notice of Owner's Intent Form" to the sidewalk administrator within twenty days of receiving the notice and shall indicate on the notice the method of repair or replacement desired.
- (d) Whenever a property owner elects to have the City of Whitewater personnel or contractor install, repair or replace their sidewalk, the property owner shall be required to sign a release form. The form shall be similar to the following:

CITY OF WHITEWATER

SIDEWALK CONSTRUCTION RELEASE FORM

OWNER:

ADDRESS:

Other description if required:

The undersigned in electing to utilize the City of Whitewater personnel and/or its contractor for required sidewalk repair or installation hereby releases the City of Whitewater from any obligation for repair of sidewalk due to minor cracking or other minor problems which frequently occur with concrete construction. Work done by the City of Whitewater personnel or its contractor will be done according to ordinance specifications. The phrase "minor problems" above is intended to mean problems which do not affect the sidewalk's performance.

Property Owner's Signature

-
- (e) The City of Whitewater shall be responsible for the costs incurred to reconstruct curbs and sidewalk to comply with Section 66.616 of the Wisconsin Statutes when possible (Reference Curb Ramping for Handicap Accessibility).
- (f) The cost of the sidewalk construction and/or repair may be paid by the abutting property owner as follows:
- (1) The abutting property owner may elect to reimburse the city by paying the cost of said repair or construction within thirty days of being billed. No interest will be charged if paid within thirty days of the billing. If the cost of construction or repair is not paid within thirty days, it shall be entered by the city clerk on the tax roll as a special tax against said lot or parcel of land, and the same shall be collected in all respects like taxes upon real estate. The amount so added to the tax roll shall include interest at the prevailing rate per month from the date that the individual was initially billed to December 31st of the year in which it is placed on the tax roll.
 - (2) Whenever the amount to be levied is in excess of one hundred dollars, the property owner may elect to pay over a five-year period and to have the city clerk enter said costs, together with interest at the prevailing interest rate on the tax roll, as a special assessment against such lot or a parcel of land.
 - (3) The city shall be responsible for the costs incurred to reconstruct curbs and sidewalks to comply with Section 66.616 of the Wisconsin Statutes, except where the sidewalk involved was determined to be unsafe, defective, or insufficient. In that case, the property owner shall be assessed on a square foot basis for the sidewalk replaced which is in the normal construction limits of a standard sidewalk, that is, one foot from property line, four feet in width.
 - (4) Where there is a replacement of sidewalk and there has been a previous assessment for sidewalk, a credit shall be given for the remaining useful life of the sidewalk. The useful life of the sidewalk for his purpose shall be ten years.

(Ord. 1015 §2(part), 1983).



Public Works Agenda Item

Meeting Date:	August 8, 2023
Agenda Item:	4f. Building Maintenance and Repair Standards
Staff Contact (name, email, phone):	Brad Marquardt, bmarguardt@whitewater-wi.gov , 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

At the July Public Works meeting, the Committee discussed issues in the City with houses having no siding. As part of that discussion a question was asked if a permit is needed for siding. The answer is no.

In discussing this item with Neighborhood Services Director, Chris Bennett, he mentioned he is currently working with a firm called Municipal Code Enforcement to rewrite a portion of the Building and Maintenance Code and plan to bring this item to the August 15, 2023 Council meeting for discussion.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

N/A

FINANCIAL IMPACT

(If none, state N/A)

N/A

STAFF RECOMMENDATION

Since this Code is being rewritten, staff recommends no action at this meeting.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. N/A



Public Works Agenda Item

Meeting Date:	August 8, 2023
Agenda Item:	4g. Forty eight hour parking limits
Staff Contact (name, email, phone):	Brad Marquardt, bmarguardt@whitewater-wi.gov , 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

At the July Public Works meeting, the Committee discussed the ordinance pertaining to forty eight hour parking limits for on street parking. The motion was made to add wording to refer to the adjacent lot. Attached is an amended ordinance for review.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

July 11, 2023 Public Works Committee – Voted to add additional wording to the ordinance in order to discourage parked vehicles in front of the same residence.

FINANCIAL IMPACT

(If none, state N/A)

N/A

STAFF RECOMMENDATION

If the Committee is in agreement to the ordinance change, Staff recommends to forward to Council for consideration of amending the ordinance.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. Ordinance Amending 11.16.040

ORDINANCE No. _____
AN ORDINANCE AMENDING SUBSECTION 11.16.040
FORTY-EIGHT HOUR ON-STREET PARKING LIMIT

The Common Council of the City of Whitewater, Walworth and Jefferson Counties, Wisconsin, do ordain as follows:

SECTION 1. Whitewater Municipal Code Chapter 11.16 Subsection 11.16.040 is hereby amended to read:

It is unlawful to park any vehicle for a period longer than forty-eight hours **in front of the same property address** or on any street, alley or in any public parking lot not otherwise restricted as to parking time.

Ordinance introduced by Council Member _____, who moved its adoption.

Seconded by Council Member _____.

AYES:
NOES:
ABSENT:
ADOPTED:

John Weidl, City Manager

Karri Anderberg, City Clerk



Public Works Agenda Item

Meeting Date:	August 8, 2023
Agenda Item:	4h. Truck, trailer, mobile home and equipment parking
Staff Contact (name, email, phone):	Brad Marquardt, bmarguardt@whitewater-wi.gov , 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

At the July Public Works meeting, the Committee discussed the ordinance pertaining to parking restrictions for trucks, trailers, mobile homes and equipment. The committee discussed amending the ordinance by eliminating side yards and adding hard surface to Paragraphs B and D of Municipal Code 16.51.180. Attached is an amended ordinance for review.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

July 11, 2023 Public Works Committee – Voted to amend the ordinance by eliminating side yards and adding hard surface to Paragraph B and D of the ordinance.

FINANCIAL IMPACT

(If none, state N/A)

N/A

STAFF RECOMMENDATION

If the Committee agrees to the ordinance change, Staff recommends to forward to Council for consideration of amending the ordinance.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. Ordinance Amending 19.51.180

ORDINANCE No. _____
AN ORDINANCE AMENDING SUBSECTION 19.51.180
TRUCK, TRAILER, MOBILE HOME AND EQUIPMENT PARKING RESTRICTIONS

The Common Council of the City of Whitewater, Walworth and Jefferson Counties, Wisconsin, do ordain as follows:

SECTION 1. Whitewater Municipal Code Chapter 19.51 Subsection 19.51.180 is hereby amended to read:

No truck, commercial trailer, house or camper trailer, motor home, boat trailer, trailers for all terrain vehicles (ATVs) or snowmobiles, or other vehicular equipment or implements of a commercial, agricultural or industrial nature, shall be parked regularly in any zoning district other than B-1, B-3, M-1 and AT districts, except as hereinafter specifically provided for as follows:

- A. One panel or pickup truck, exceeding three-quarter ton but not exceeding one and one-half tons, shall be permitted;
- B. The unenclosed parking of either one unoccupied house trailer, motor home, or one unoccupied camp trailer in the rear yard on a hard surface, provided that the motor home, house trailer or camp trailer is parked at least five feet from the lot lines; motor homes shall also abide by all restrictions relating to motor vehicle parking;
- C. Camper trailers and boats shall be permitted to park in front yards for the purposes of loading, unloading and servicing for a period of three days;
- D. Boat trailers, trailers for all terrain vehicles (ATVs) or snowmobiles, and all other private residential-type trailers shall be permitted to park in the rear yard only on a hard surface.
- E. The neighborhood services manager may issue a permit to a person with a disability allowing a boat (twenty-five feet or less in length) and a boat trailer to be parked in the front yard driveway of their residence from April through November. A person shall be considered a person with a disability if they have been issued a current disabled parking identification permit by the Wisconsin Department of Transportation. In addition, an individual shall be considered a person with a disability if they provide the neighborhood services manager with a statement by a health care specialist verifying that the party needs a front yard boat parking permit, for a stated period of time, to allow that person reasonable access to their boat and trailer.

Ordinance introduced by Council Member _____, who moved its adoption.

Seconded by Council Member _____.

AYES:
NOES:
ABSENT:
ADOPTED:

John Weidl, City Manager

Karri Anderberg, City Clerk



Public Works Agenda Item

Meeting Date:	August 8, 2023
Agenda Item:	4i. On-Street Permit Parking, 2 nd Street
Staff Contact (name, email, phone):	Brad Marquardt, bmarguardt@whitewater-wi.gov , 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

A request was received from a business owner on 2nd Street, Dr. Peg Linneman of Whitewater Chiropractic asking for the review of where On-Street Permit Parking is allowed. Currently, all of the west side of 2nd Street between Center Street and Whitewater St is signed for either 2 hr parking or On-Street Permit parking. However, the ordinance reads that On-Street Permit parking should only be allowed on the west side from the south curb line of Whitewater St north for 120 feet. Additionally, the ordinance indicates it should be 4 hr parking, not 2 hr. Since there is confliction between the ordinance and the signage, a review of the parking should take place, including if On-Street Permit parking should be moved to the east side of 2nd Street.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

It is unknown when the ordinance went into effect and when signs were erected.

FINANCIAL IMPACT

(If none, state N/A)

If signs new signs need to be made, there would be a minimal charge for their creation. If the ordinance is changed to match the existing signage, there is no financial impact.

STAFF RECOMMENDATION

Staff would make the following recommendations.

- On Street Permit Parking on the west side of 2nd Street adjacent to 202 W. Whitewater Street
- On Street Permit Parking on the west side of 2nd Street adjacent to 206 Second Street and 201 W Center Street.
- On Street Permit Parking on the east side of 2nd Street adjacent to 162 W. Whitewater Street
- 2 Hr parking on both sides of 2nd Street from Whitewater Street to North Street

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. Current Ordinance
2. Aerial View of Parking
3. Email Request

Second (2nd) St	Both sides; from Main St (Old Hwy 12), to W Whitewater St	11.16.090	No parking 2:00 a.m. to 5:00 p.m.	
			11.16.070	Four-hour parking
			11.16.140	No parking of trucks in excess of 16 feet in length
S	Second (2nd) St	West side; from the north curbline of W Center, north to a point 15 feet south of the south driveway of 207 West Main	11.16.080	No parking
S	Scott St	East side; from a point 158 feet south of the south curb line of W Whitewater Street, south to W Walworth Avenue	11.16.120	No parking 8:00 a.m. to 4:00 p.m., except Saturday, Sunday and holidays
S	Scott St	East side; from the south curbline of W Whitewater, south to a point 158 feet south	11.16.080	No parking
S	Scott St	West side; from W Whitewater, south to W Walworth	11.16.080	No parking
S	Second (2nd) St	West side; from the south curbline of Whitewater St north for 120 feet	11.16.145	Permit parking area
N	Second (2nd) St	Both sides; from Main St (Old Hwy 12) to W North St	11.16.090	No parking 2:00 a.m. to 5:00 pm
			11.16.075	Four-hour parking

			11.16.140	No parking of trucks in excess of 16 feet in length
N	Second (2nd) St	West side; from the north curblineline of Main St north for 100 feet	11.16.145	Permit parking area

Brad Marquardt

From: Peggy Linneman <wwchirop@sbcglobal.net>
Sent: Tuesday, August 1, 2023 1:05 PM
To: Brad Marquardt
Subject: Parking on 2nd Street.

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

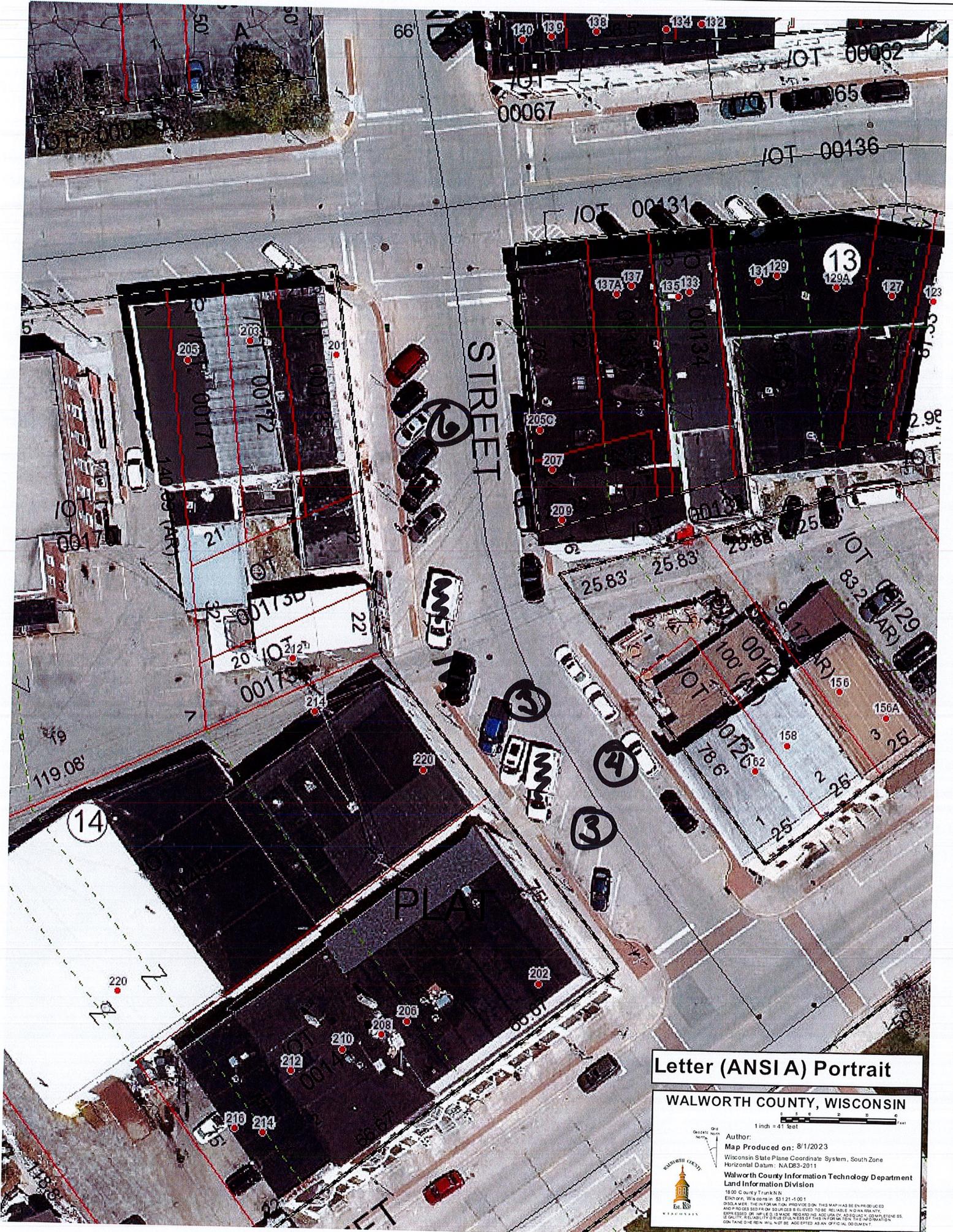
Dear Mr. Marquardt,

I have my office on 2nd street and recently have had the issue with people parking in front of my office for the whole day. Apparently it is 2 hour parking or Permit Parking. The vehicles that are parking there have permits but this is causing a problem for my patients who are coming into my office. Many times they are older or in a lot of pain and having to parking farther away is a problem. I don't want it designated as handicapped parking because many of them don't have handicap parking permits. They are in a lot of pain though and it's difficult for them to walk distances. I would appreciate it if you would change that to a 2 hour limit sign without the permit allowance. It would be incredibly helpful and much appreciated if you were able to allow for that change. There is other permit parking available, for instance down by the park that is available for use.

Thanks you for your consideration.

Dr. Peg

Dr. Peg S. Linneman, DC
Whitewater Chiropractic, LLC
214 S. 2nd St. Suite 101
Whitewater, WI 53190
262-472-0209



Letter (ANSI A) Portrait

WALWORTH COUNTY, WISCONSIN

1 inch = 41 feet

Author:
Map Produced on: 8/1/2023
Wisconsin State Plane Coordinate System, South Zone
Horizontal Datum: NAD83-2011
Walworth County Information Technology Department
Land Information Division
1300 County Trunk Hwy.
Elkhorn, Wisconsin 53121-1501

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Public Works Agenda Item

Meeting Date: August 8, 2023

Agenda Item: 4i. Public Works CIP Projects

Staff Contact (name, email, phone): Brad Marquardt, bmarguardt@whitewater-wi.gov, 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

Chairperson Stone asked for a list of projects that were submitted to Finance for the Capital Improvement Plan. Attached is a list which covers projects from 2024 – 2028. The projects are sorted by year and then by Department.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

FINANCIAL IMPACT

(If none, state N/A)

Each project has a funding total. We are working with a new software and still figuring out it's reporting functions. Therefore, you can not see all the financial information associated with each project, like grant funding.

STAFF RECOMMENDATION

No action is required at this time.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. CIP Projects

Column1	Column2	Column3	Column4	Column5	Column6	Column7
Project Name	Project Year	Project Type	Department	Description	Justification	10-Year Funding Total
Ann Street/Fremont St Reconstruction	2024	Capital Improvement	DPW	Reconstruction of Ann Street from Trippe St to Fremont St and Fremont Street from Ann St to Whitewater St. Project will replace water main, sanitary sewer, storm sewer, curb & gutter, sidewalk and asphalt pavement. the project will also clean the James Street detention basin. Construction inspection included in cost.	The water main on Ann Street has multiple breaks over the last three years. It is critical to replace this water main as soon as possible to assure clean, safe and reliable water to the residents in the area. The street and curb & gutter are in a deteriorated state and only replacing the asphalt where the watermain is being replaced is not beneficial long term.	\$1,551,950
Forest Street Reconstruction	2024	Capital Improvement	DPW	Reconstruction of Forest Street from 4th Street to Church Street. Reconstruction includes water main, sanitary sewer, storm sewer, sidewalk, curb & gutter, and asphalt. Construction inspection included in cost.	The water main on Forest St is only 2 inch. To improve supply and pressure, the water main will be upsized to 8 inch. The asphalt pavement is deteriorated and in need of replacement along with the curb and gutter and sidewalk. There are deficiencies in the sanitary sewer main also.	\$502,700
Fremont Street Reconstruction	2024	Capital Improvement	DPW	Reconstruction of Fremont Street from Starin Road to Lauderdale Drive including sanitary sewer, water main, storm sewer, sidewalk, curb & gutter and asphalt. Also repaving of Fremont Street from Lauderdale Dr to Whitewater Creek. Construction inspection included in cost.	The water main in Fremont consists of 4 and 6 inch main. 8 inch main is the preferred minimum. Additionally, the sanitary sewer is in need of repair. The asphalt pavement is in need of repair being rated a 3 out of 10.	\$1,317,645
Innovation Drive Repaving	2024	Capital Improvement	DPW	Innovation Drive will be pulverized and paved with asphalt. Spot curb replacement will be included.	The pavement on Innovation Drive is in a state of deterioration. The City is receiving Federal funds to help pay for 80% of the cost. A State Municipal Agreement has already been signed.	\$553,368
Walworth Avenue Resurfacing	2024	Capital Improvement	DPW	Walworth Avenue from west of Hwy 12 to Janesville Street will be pulverized and a new asphalt surface placed. Spot curb & gutter and sidewalk replacement will also be included.	The pavement on Walworth Avenue is in a state of deterioration and needs to be replaced. The City is receiving Federal funding for this project and has signed a State Municipal Agreement.	\$3,020,940
CAT Switchgear PLC replacement	2024	Other Operating Costs	Sewer	Replace/Add a PLC for backup generator.	With our updated project we were provided with 3 PLC's that control our backup generators of which we only have two. In 2020 one of the PLC's failed and we were able to program our spare unit to work in its place. This repair was done in a four hour period and we were back to normal capabilities. If a current PLC fails the repair period will be longer as this would not be a stock item. Additionally, during this time the plant would have a max. capacity of 300kW if backup power were required.	\$8,000
Centrifuge Maintenance	2024	Repair and Replacement	Sewer	The centrifuge has proven to be a maintenance intensive piece of equipment that requires repairs on an annual basis. This is a estimated timeline of costs based on past history of repairs.	The centrifuge is a dual purpose piece of equipment that thickens our waste activated sludge which allows for sound process operation and increased detention time in the anaerobic digester. It also thickens the digested sludge to reduce biosolids volume which reduces hauling costs and increases our storage capacity during adverse land application conditions. Without the centrifuge we would have treatment issues specific to phosphorus which is currently the most scrutinized parameter within our discharge permit. In addition if the centrifuge was down for too long we would likely run in to storage capacity shortage during winter/ spring.	\$263,000
Influent Pump Rebuild	2024	Other Operating Costs	Sewer	Each year one pump will be removed and taken into the manufacturer for substantial repairs. Repairs tentatively include a replacement impeller and rebuild kit which includes seals, o-rings, gaskets etc. Removal and installation will be handled by facility staff.	Our influent pumps were installed in 2009. One of four pumps run 24 hrs. each day. Some days we are running two pumps at the same time depending on flows. In 2020 we had to perform piping repairs on the suction side of each pump due to wear and corrosion. Additionally, each pump has accumulated over 26,000 hrs. of runtime. No substantial mechanical repairs have been completed at this time. We have had ongoing corrsions issues on the suction side but we have been able to address these "in-house". Tolerances indicate that repairs will be necessary to maintain pump performance.	\$35,000

Lift Station pump rebuild	2024	Other Operating Costs	Sewer	The pump will be removed and re-installed by Utility staff. Rebuilds will be handled by the pump manufacturer. Repairs will be scheduled to avoid wet weather or high flow periods. Turn around time for repair is approximately one week. Only necessary repairs will be made to avoid unnecessary costs. Price estimates capture costs for complete rebuild with new impeller.	The Utility maintains 14 lift station pumps located at 7 lift stations throughout the community. The pumps are robust and are called to run based on level throughout the day. Two pump installations are standard to promote redundancy and safety for residents. In order to maintain reliable operations the pumps are rebuilt as performance or mechanical tolerances indicate.	\$19,000
Milwaukee St. LS access road	2024	Capital Improvement	Sewer	Upon land acquisition old base material would have to be removed. Proper elevations would be determined before preparing the site and installing asphalt in this access area. The proposed area is behind the sidewalk and would not involve any impact to recently performed roadway maintenance.	Current access to provide inspection, routine service and maintenance of lift station equipment requires staff to set up on private property. This can cause further grounds maintenance issues and access is not assured due to vehicle parking or snow storage by adjacent land owners. We propose to acquire an adjacent portion of land to the west of the lift station to provide reliable and safe access for Utility staff.	\$17,000
Replacement Solids Loadout Pump	2024	Capital Improvement	Sewer	The installation of a new, properly dedicated, pump will be capable of reaching 350-400gpm while pumping a product that is 4.2-5% solids. A current equipment pad will be re-purposed and some piping modifications will be required. Additionally, project prices are intended to capture electrical wiring and control modifications.	Since our most recent project upgrade we have the capability to increase the percent solids of our liquid biosolids product which is land applied to area agricultural fields. Historically, we have land applied a product that is approximately 2.0-2.5% solids. All historic equipment was designed to accommodate this product. Currently, we are able to reliably produce a product at 4.3-5.0%. Increased solids concentration means less trucks out the gate and we would realize savings with our contracted hauling program. Our challenge, during our hauling period, is to keep our current pumps moving product for the haulers. We are seeking an installation of pump that is capable of pumping higher concentration solids. In addition, a second properly sized pump would provide redundancy should we experience a failure during our short, fickle hauling window.	\$80,000
Repurpose Fraternity LS genset	2024	Capital Improvement	Sewer	We would be required to increase the footprint of the current lift station via land acquisitions and recorded easements, in order to accommodate the generator. The lift station is located at 940 E. Milwaukee St. Both WE Energies and electrical contractors would be involved to complete this project. Removal and placement of the the generator would be handled by Utility staff. Timing of this work would be coordinated with the larger Vanderlip project on the west side. If lift station controls updates were to become a timely item we would capture this work in a separate proposal. Meaning, this generator addition would	Since 2005 all lift stations in Whitewater have been constructed to include a back up power source. In the near future only two lift stations, Oak and Milwaukee, will be without this option. To minimize risk it would be beneficial to the Utility to address this concern over time. As part of pending modifications to lift stations located on the west side of town we will be left with a 35kW generator that is still in very good mechanical condition. We are proposing to repurpose this generator at the Milwaukee St. LS.	\$35,000
Roof Replacement Program - Wastewater Utility	2024	Capital Improvement	Sewer	Several roofs at the utility are over 25 years of age. In order to responsibly maintain utility buildings we have worked to develop a roof replacement schedule.	The obvious roofing defects have been maintained and remedied "in-house" to the best of our ability. The ongoing plan calls for replacement of the following: (2) Pump Bldg's. - '24, Digester No. 1 - '28', Filtration Bldg. - '25 and Digester No. 2 - '32'. Funds budgeted in 2028 and 2032 need to capture the cost of cover removal and replacement by a lifting contractor. These digester roof repairs are loose estimates due to the uncertainty of what the repairs would consist of at this point.	\$315,000
Sealcoating Asphalt	2024	Other Operating Costs	Sewer	This would be a single year cost in which all asphalt services would be sealcoated. The asphalt was installed in 2018 and in order to achieve full lifespan of the asphalt it needs to be resealed.	The asphalt is approaching 8 years old (by the time 2026) and is in need of preventative maintenance. Cracks are becoming more common.	\$65,000
Spectrophotometer	2024	Repair and Replacement	Sewer	Spectrophotometer is an instrument that is used for both process and permit compliance testing. The instrument is capable of analyzing a wide variety of parameters. It is one of the most widely used pieces of equipment in the laboratory.	The current spec is no longer being serviced by Hach. If the current spec. were to fail, there are no replacement parts or services available. The spec. is used to perform the permit compliance testing, but is also used daily to perform process testing which is essential for proper plant operation. The spec is used to sample things such as Tphos, Ammonia, Volatile Acids, Alkalinity, ortho phosphate, and nitrates.	\$7,500

UV Hydraulic Hoses	2024	Repair and Replacement	Sewer	One time UV hydraulic hose replacement. The hoses haven't been replaced since unit was placed I/S about 14 years ago	Seasonally the utility is required to disinfect effluent for pathogen reduction. The hydraulic hoses are responsible for driving a wiper system that cleans the quartz sleeves on the UV bulbs. If the wiper system isn't run the bulbs foul quickly with bacterial growth and the effectiveness of the UV disinfection diminishes greatly. These hoses are starting to crack due to the harsh conditions they are exposed to.	\$5,500
Vanderlip Lift Station Replacement	2024	Capital Improvement	Sewer	In preparation for this project we worked with consultants on the Westside Sanitary Sewer review project in 2020. This was done to assure that we "right" size future infrastructure and invest funds appropriately based on long term goals. At this time both the force main, which discharges to a MH on Starin Road, and the pumping station itself are in need of substantial work/replacement. As part of the sewer review project we compared the costs of two "long term" alternatives. Those are: 1. Replace both Vanderlip and Fraternity pumping stations and associated force mains or, 2. Combine the Fraternity Lane service area into a new larger Vanderlip service area with the installation of a gravity line connecting the two. This project may be able to broken up into multiple phases dependent on engineering recommendations and cost estimates. In a broad sense the project will include, replacement of all pumping equipment, associated piping and controls, installation of a backup generator and force main piping. Construction is tentatively planned to begin in 2022 with engineering and design work to be completed in 2021. Engineering costs are included in the included estimate.	Constructed in 1965, Vanderlip lift station saw its last renovation in 1997 with new controls and a conversion to larger submersible pumps. However, the physical size of the pump station was not addressed. Capacity and future development concerns were the driver for those updates. In recent years, we have had an increase in the amount of severe rain events. These events have maximized the pumping capacity for brief periods. Additionally, in early 2019, there was a failure of the force main. Lastly, this lift station, which happens to be our largest, is one of three that does not have a backup power supply on site. This project will address that concern.	\$2,827,200
Watermain Special Assessment	2024	Utilities and Other Operating Costs	Sewer	Special Assessment to pay for watermain extension.	Watermain is being installed to serve Johns Disposal. It will also serve the Wastewater Facility. The watermain will run adjacent to both Johns Disposal and the Wastewater Facility. The Wastewater Facility will be responsible for 50% of the cost.	\$83,285
Stormwater Quality Management Plan Update	2024	Other Operating Costs	Stormwater	The project will update the City's Stormwater Quality Management Plan and Report.	The City has a Municipal Separate Storm Sewer System (MS4) Permit from the DNR. The Permit requires the City to make improvements to the overall storm water system, in particular improving the water quality before it enters to the waters of the State. The initial Plan and Report was completed in 2017. Updating the Plan and Report will incorporate past projects, update our Total Suspended Solids (TSS) and Phosphorus removal percentages, incorporate new anticipated requirements from a new MS4 Permit, update potential projects and update the storm sewer map.	\$85,000
F550 Dumptruck '24	2024	Capital Improvement	Streets	2024 550 4X4 with stainless dump body.	This truck would be outfitted with a dump body and used to pull the brush chipper. It would replace a 1985 one ton dump truck.	\$70,000
Plow/Patrol Truck '23	2024	Capital Improvement	Streets	2024 International Single axle Plow/Patrol Truck 10' Stainless Steel DuraClass Box ->Swenson Salter with prewet system ->Wausau Poly Trip Edge Plow and Wing ->	Our fleet of 7, single axle plow trucks and 1 Tandem, 7 trucks plow the entire City during a snow event and 1 that is our Brine truck which is out before most every snow/ice event weather pending, has the age range from 3 years old to 30 years old. We need to get into a cycle of replacing a Plow/Patrol truck every 3 years to ensure our fleet isn't older than 20 years. As trucks get rotated out of service for plowing they become our Brine applicator and spare plow truck in the event of a break down.	\$387,000
Skid Loader Replacement '24	2024	Capital Improvement	Streets	For the past 4 years the DPW has been working with Waupun Equipment on a yearly trade agreement. We order 2 new skid loaders at the end of each calendar year and take delivery mid to late winter of a L 328 and a L320 skid loader. We are allowed up to 250 hours per machine with a guaranteed trade price of \$3,000 each for 2 new machines the following year. If we go over on hours due to a heavy winter, Waupun charges us an additional \$10.00 per hour. This trade agreement keeps us in 2 new machines covered by warranty every year for \$10 per engine hour.	These 2 skid loaders are used every day for various projects from clearing snow from parking lots, sidewalks and streets to dirt and gravel work.	\$30,000

Backflow preventers	2024	Utilities and Other Operating Costs	Water	USED AT RESIDENTIAL HOMES WHEN WE DO METER SETS AND THE CROSS-CONNECTION INSPECTION PROGRAM. 	IF A CUSTOMER IS SPRAYING A CHEMICAL THROUGH THEIR GARDEN HOSE THIS BACK FLOW PREVENTER SHUTS OFF THE WATER FLOW WHEN A SUDDEN LOST OF PRESSURE IS CAUSED FROM A MAIN BREAK OR FIRE. RESIDENTS MUST HAVE THESE INSTALLED PER DNR CODE. IF NEEDED WE INSTALL THESE WHEN DURING A METER SET. 	\$14,500
Cellular endpoints	2024	Capital Improvement	Water	SENDS SIGNAL OUT TO OUR BILLING DEPARTMENT TO SHOW HOW MUCH WATER A CUSTOMER HAS USED. Our existing Galaxy readers our being phased out. Battery life on existing readers our 10-15 years and they were installed in 2012. Goes with our residential meter program. That's why I gave it a 6b priority ranking. 	REPLACEMENT OF EXISTING ENDPPOINTS THAT NO LONGER WORK AND THEY HAVE BEEN DISCONTNUED BY THE MANUFACTUR. THESE ARE REPLACED AS NEEDED. ALSO PART OF OUR METER PROGRAM.These new cellular end points have a 20-year span. 	\$25,000
Commercial CCC inspections	2024	Utilities and Other Operating Costs	Water	Perform a cross connection survey for Commercial, Industrial, Municipal Facilities and Public Authority accounts throughout our community.	This is a DNR regulation. Determination must be made if the non-residential accounts listed above fall into a 2 yr, 6yr, or 10 yr. program.	\$60,384
Concrete barriers	2024	Other Operating Costs	Water	used to help separate material we use as needed in the field. These will be stored in the inventory area of our new storage building. 	After a repair from a main break or any other type of service performed by our department in the road or terrace, we are responsible to keep the area level with gravel, stone or dirt until the street department is able to do a final repair. 	\$8,000
Fire hydrant painting	2024	Repair and Replacement	Water	PROFESSIONAL HYDRANT PAINTERS COME IN AND SANDBLAST, PRIME, AND PAINT. THIS IS A TWO-YEAR PROJECT. 	A FEW VARIATIONS OF RED PAINT THROUGHOUT OUR SYSTEM NOW EXIST. WOULD LIKE TO GET THEM ALL MORE UNIFORM IN COLOR AND CONTINUE THIS PROJECT AS WE REPLACE HYDRANTS IN THE FUTURE. WE HAVE 608 HYDRANTS IN OUR SYSTEM AND THIS INCLUDES THE UW-W CAMPUS. WE PAINT HYDRANTS MANUALLY AS NEED BASES BUT WHAT DOES HAPPEN IT WILL ONLY LAST SO LONG THEN WE ARE BACK TO WHERE WE WERE. 	\$80,000
Fire Hydrant replacement	2024	Capital Improvement	Water	FIRE HYDRANT REPLACEMENT PROGRAM. DO AS MANY PER YEAR THAT BUDGET DICTATES. COST INCLUDE MATERIAL,LABOR, ROAD,CURB/GUTTER . 	REPLACEMENT OF HYDRANT'S THAT HAVE BEEN IN OUR SYSTEM 40 PLUS YEARS. There are no parts available for some of our existing hydrants. I rate them during each hydrant flushing session. 	\$375,000
Large meter replacements	2024	Capital Improvement	Water	Large meters installed in our commercial accounts are tested anywhere from 1-5 years depending on size per PSC requirement. The picture attached is a 2". 	Over the next 2-5 years there will be more to replace. Meter sizes in our system go between 1 1/2" - 8".To replace large meters not showing correct flow due to age of meter. Replacement will be determined by test results. 	\$120,000
Large Meter Testing	2024	Utilities and Other Operating Costs	Water	TESTING OF OUR COMMERCIAL ACCOUNTS LARGE METERS. AMOUNT OF METERS TESTED VARIES YEAR FROM YEAR DEPENDING ON SIZE. 	To determine if large meters for our commercial accounts are accurately reading for billing purposes.	\$95,500
Lead Lateral Replacement	2024	Capital Improvement	Water	Replacement of known public and private side lead laterals.	The EPA has implemented that all communities must conduct a service material inventory of both public and private side water laterals by 2024 and then develop a plan to remove the lead laterals. Grant money is available to help pay for the private side portion of the laterals that need to be replaced. The grant money may not be there in the future.	\$2,940,000
Main Improvement- Elkhorn Roundabout	2024	Capital Improvement	Water	Continuation of looping of dead end water mains at empty lot near Elkhorn Roundabout.	Kwik Trip has a store at the corner of Bluff Road and Elkhorn Road. Their water service will come off a dead end water main. Water main should be looped from Elkhorn Road to the east to tie into another dead end water main.	\$75,000
Maintenance on back up generators	2024	Utilities and Other Operating Costs	Water	BACK UP GENERATOR YEARLY MAINTENANCE PROGRAM. WE HAVE FIVE GENERATORS IN OUR SYSTEM. 	 TO KEEP OUR GENERATORS IN GOOD SHAPE YEARLY. WHEN POWER IS LOST GENERATORS TURN ON AUTOMATICALLY.TO KEEP WELL PUMP RUNNING IF NEEDED. All are five years or less in age except for the one for well 5 which is 25 years plus. This one maybe be relaced when well 7 infrastructure gets done in 2024 or 25. 	\$16,950

Office desk computers	2024	Repair and Replacement	Water	upgrades old office desk computers and software per Tim N. recommendation. There are six desk top computers we are looking to upgrade.	Request came down from our IT department.	\$7,000
Residential Meter change out program	2024	Capital Improvement	Water	REPALCE METERS IN OUR RESIDENTIAL PROGRAM. ALONG WITH OUR REQUIRED CROSS CONNECTION PROGRAM	PERFORM 10 YEAR REPLACEMENT PROGRAM TO ASSURE THAT WATER USE IS BEING ACCUARTELY RECORDED FOR BILLING. AT EACH METER CHANGE WE ALSO PERFORM THE CROSS CONNECTION INSPECTION WHICH IS REQUIRED AT THE SAME TIME THE METER IS CHANGED OUT.	\$136,000
Sanitary holding tank at well 9	2024	Other Operating Costs	Water	PUMP WASTE FROM SANITARY HOLDING TANK.	REMOVE WASTE. HOLDING TANK IS PUMPED 2X'S PER YEAR ON AVERAGE.	\$3,000
Service vehicle	2024	Capital Improvement	Water	REPLACEMENT OF ONE 25-YEAR-OLD SERVICE VEHICLES. Vehicle have begun to show signs of wear in body, engine and 4x4. Door and truck box starting to rot.	Same as above We also use these trucks for plowing.	\$65,000
Tree, brush and stump removal	2024	Utilities and Other Operating Costs	Water	REMOVE OVERGROWN BRUSH LOCATED IN OUR EASEMENT BY KIENBAUM'S SALVAGE YARD.	TO HAVE ACCESS TO OUR 14" WATERMAIN FROM JEFFERSON ST TO THE STREETS DEPARTMENT.	\$30,000
Valve operator maintenance truck	2024	Capital Improvement	Water	Valve operator / vaccum excavator mounted on a skid then is mounted on a flat bed service vehicle. Used to operate valves in our system both hydrants and distribution valves.	Upgrade of our existing Vac excavator/valve operator which is on a trailer pulled with a service vehicle. Will allow to fit in tighter spaces in the road. Item spec out is a diesel engine. If we went with gas motor, I do not know at this time if it would less in cost. There is a possibility of trading in the existing pull behind trailer vac truck. Easier access to valves rather than backing up with trailer and taking up more road space. This truck will also provide two valve turners and can be used as service truck. I am putting in for 2 new service trucks as well within the next two years, one can be eliminated if we purchase this new operator. This also allows us to two crews when needed operating valves, excavating etc. with the existing trailer and this new valve/vac service operator.	\$180,000
Variable frequency drive (VFD). Wells 5 & 9	2024	Capital Improvement	Water	A VFD is a type of motor controller that drives an electric mptor by varying the frequency and voltage of its power supply. It also has the capacity to control ramp up and ramp down of the motor during start or stop.	VFD advantage is its ability to provide better control and reliability compared to fix speed pumps. The system can adjust to changes in demand quickly and efficiently preventing over/under pressurized on the system. More consistent and reduces the likelihood of system failures and costly repairs. Highly recommended since we have them in three of our five wells.	\$70,000
WATER MATERIAL HAULING TRAILER	2024	Asset Acquisition	Water	ENCLOSED TRAILER THAT WILL HOLD ALL WATER MAIN MATERIAL, TOOLS, PUMPS, NEEDED FOR MAIN BREAKS, HYDRANTS AND SERVICES.	HAVING AN ENCLOSED TRAILER HELPS ELIMANATE THE NEED TO RUN BACK AND FORTH TO OUR SHOP TO RETRIEVE MATERIAL, TOOLS AND EQUIPMENT. We can then store a good portion of this in the trailer and haul trailer to work site.	\$12,500
Water Tower Contracts	2024	Other Operating Costs	Water	YEARLY TOWER MAINTENANCE CONTRACTS OF THE EAST AND SOUTHWEST TOWERS.	DNR REQUIRED YEARLY INSPECTIONS. YEARLY CONTRACT COVERS COST IF BIGGER ISSUES HAPPENS DOWN THE ROAD.	\$353,879
Well # 6 filter media	2024	Capital Improvement	Water	Remove existing media, inspect interior of tank, make any necessary repairs and install new media for both tanks.	We have noticed some media discharging from the waste pipe. Our last media re-bed was in 2010, recommended is every 10-15 years.	\$181,600
Well # 6 rehab	2024	Capital Improvement	Water	PULL PUMP AND INSPECT FOR IRON BUILDUP.INSPECT 8"DIAMETER CASING FOR CRACKS AND REPALCE AS NEEDED.	Over last 3 plus years well has drop in pumping capacity 950-1000gpm - 775 -850 gpm. This may seem not much of lost in gpm but, if this issue is not addressed in 2024 or 2025 it will keep decreasing in pumping capacity and work that much harder.	\$140,000

Well 7 Modification	2024	Capital Improvement	Water	Modifications to Well 7 in order to remove the ground reservoir from service.	A number of alternatives were reviewed. After consideration, the best alternative is to have Well 7 pump directly into the distribution system. This will allow the ground reservoir to be disconnected and removed from service. It is over 100 years old and has outspent its life expectancy.	\$1,275,000
Well 8 Discharge	2024	Capital Improvement	Water	Connect our backwash discharge line to the wastewater sanitary main.	By connecting to the sanitary system this will eliminate having to test TSS (total suspended solids) and Manganese. DNR classifies the backwash water as wastewater. At present time the discharge water goes into a holding pond and must set or settle for at least 24hrs before any testing. Once sample is taken we open a valve near the holding pond and the wastewater makes its way into whitewater creek. Right now we are required to test once a month at a cost of \$60 per test. Things can change as we all know when it comes to clean water act. When the water main and sanitary was replaced on Industrial Dr. in 2020 a sanitary stub (steel post in picture shows where sanitary is stubbed to) was installed into our property for this particular reason. There will be no need to go out into the road. Also we can probably fill the existing holding pond if so desired but that may have to be approved by the DNR.	\$70,000
Jefferson Street Reconstruction	2025	Capital Improvement	DPW	Reconstruction of Jefferson Street from Main Street to the old landfill. Project will consist of replacing sanitary sewer, water main, storm sewer, sidewalk, curb & gutter, and asphalt pavement. Construction inspection costs are included.	Jefferson Street has very deteriorated asphalt pavement, curb & gutter and sidewalks that do not meet ADA compliance. The water main has had multiple breaks and there are deficiencies with the sanitary sewer. The only way to take care of all aspects is a complete reconstruction.	\$2,678,520
Emergency Dialer	2025	Repair and Replacement	Sewer	This would be a single year cost which would consist of coordination with our integrator (likely LW Allen) and the IT dept.	With recent updates to Microsoft the lead dialer has been extremely inconsistent and unreliable. Most recently Microsoft 10 updates have made it so the current Winn 911 program will not work at all. At the utility is running on the old dialer which gives very little detail in alarms. Alarms are broken down by building type so that the operator has no indication as to what piece of equipment is actually failed.	\$20,000
Installation of RAS pump No.4	2025	Capital Improvement	Sewer	This would be a single year cost which would consist of pump purchase, installation, and programming. The RAS pumps specifically are being looked at by Strand to help guide the utility in a direction that makes the sense in terms of economical and plant operational capabilities.	During higher flow events the utility is experiencing RAS motor over temping issues despite flows being under design parameters. It is anticipated that a 4th pump will need to be added to achieve desired Return pumping rates with out concern of over temping pumps. These pumps run 24/7 and are essential to the activated sludge process.	\$55,000
Sludge Thickener/Dewatering	2025	Capital Improvement	Sewer	The current sludge thickening device which is a centrifuge has been extremely maintenance intensive. This is costly in terms of dollars and operational issues. The acquisition of a new sludge thickener largely depends on the results of the on going solids study, but it is anticipated this would likely serve as a dual purpose machine (similar to the current centrifuge). The replacement for the current centrifuge will likely be decided on based on the results from the long term solids planning effort currently underway. The costs incurred in 2025 would be apart of the planning/engineering efforts that would be needed to plan the installation of the proposed new thickener.	The sludge thickener is run every single day. It thickens the wasted microorganisms from the aeration basins before going to digestion which is crucial for sound plant operation. Additionally, the sludge thickener thickens the digested sludge which reduces biosolids volume needing to be land applied. This results in reduced hauling costs as well as increased biosolids holding capacity.	\$1,700,000
Stormwater BMP Dredging	2025	Capital Improvement	Stormwater	Dredging and other maintenance on existing Stormwater BMP's like detention ponds and biofilters.	The City is required to remove Total Suspended Solids and Phosphorus from stormwater before it enters waters of the state. To do this, wet detention ponds and infiltration swales have been constructed. Over time these facilities can fill up with sediment, have trees start growing or failures with the storm sewer piping. Like with any facility, maintenance is eventually required to keep them working properly.	\$300,000

DPW Storage Shed	2025	Capital Improvement	Streets	50'X96' Storage shed with concrete floor, 2 overhead doors and 2 service doors.	At the DPW we currently have a number of pieces of equipment stored outdoors as a result of no room to store our equipment. We also have a fair amount of items stored at the Marshall Farm which is on the market through the CDA. At any given time that property could be sold and we would be forced to find storage space for our equipment. The DPW is limited on space and a 50'X96' storage shed is all we currently have room for.	\$244,000
F350 Pickup '25	2025	Capital Improvement	Streets	2025 350 4X4 Pickup.	With a number of vehicles 20 plus years old in the fleet this truck is going to replacement.	\$50,000
Quad Axle Dump Body Replacement '25	2025	Capital Improvement	Streets	Replace the dump body on quad axle truck if truck won't be replaced.	The current dump body is weak and rusted, needs to be replaced.	\$50,000
Quad Axle Dump Truck Replacement	2025	Other Operating Costs	Streets	Replacement of our 1998 Mack quad axle dump truck.	We use our current quad axle dump truck to haul all of our salt from Walworth Co for our winter snow removal practices along with the sand for our salt/sand mix. This is generally 500 tons of salt and 250 tons of sand. This truck is used to assist in the cleaning of the downtown and parking lots of snow during winter events. We also use this truck for digout projects and to haul spoil to the asphalt plant in Lagrange. Aggregate and cold patch material is hauled with this as well as hot mix.	\$250,000
Skid Loader Replacement '25	2025	Capital Improvement	Streets	For the past 5 years the DPW has been working with Waupun Equipment on a yearly trade agreement. We order 2 new skid loaders at the end of each calendar year and take delivery mid to late winter of a L 328 and a L320 skid loader. We are allowed up to 250 hours per machine with a guaranteed trade price of \$3,000 each for 2 new machines the following year. If we go over on hours due to a heavy winter, Waupun charges us an additional \$10.00 per hour. This trade agreement keeps us in 2 new machines covered by warranty every year for \$10 per engine hour.	These 2 skid loaders are used every day for various projects from clearing snow from parking lots, sidewalks and streets to dirt and gravel work.	
Street Garage	2025	Capital Improvement	Streets	Design of a new vehicle storage garage to be attached to the existing vehicle storage garage in 2025 with construction in 2026.	A Space Needs Assessment & Master Plan was completed in 2020 of the Public Works Facility. According to the report "Due to the extensive number of upgrades needed to bring these facilities up to current standards, we do not recommend spending additional funds on main building and most of the outbuildings. These facilities have outlived their expected life cycle. We do recommend that the northern main vehicle storage facility that was built in early 2000's be kept and designing the new building footprint around that facility. " The vehicle storage building needs to be constructed first so items can be relocated in order for other buildings to be removed. The wash bay, shop area, maintenance area and office area would be designed and constructed after the vehicle storage building is completed.	\$10,410,000
Automatic hydrant flushers.	2025	Capital Improvement	Water	AUTOMATICALLY FLUSHES A HYDRANT TO A SET DAY, TIME AND LENGTH .TO HELP IN KEEPING CHLORINE RESIDUALS UP AND WATER QUALITY GOOD AT DEAD END WATER MAINS. IT ALSO SERVES AS A DECHLORINATOR WHEN NEEDED TO REMOVE CHLORINE AS IT PASSES THROUGH BEFORE GOING INTO THE STORM OR SANITARY. 	Same as above	\$7,300
Furnace replacement	2025	Repair and Replacement	Water	Replace furnace. Has not worked properly in two years. 	Used to heat filter tank areas only in the water plant. There is a separate furnace for the crew operators which is working at this time. Estimated cost was done by Dan Buckingham who used to work for Armstrong heating and cooling. Temp is not bad for the rooms it is intended for since we are in winter gear anyway during time it is needed. 	\$15,000

Hydrant installation at East tower	2025	Capital Improvement	Water	Install new hydrant at the East tower for drain down. 	When we are scheduled for complete tower drain down by installing a hydrant it allows us to keep the water main live in front of the tower by isolation of new valves near the hydrant. Present time we have to isolate two valves in the road and drain the tower by opening a hydrant downstream. We use around 60' of fire hose to discharge water to the nearest storm drain. This hose crosses a resident's driveway which means contact must be made with them to keep them inform. 	\$30,000
Lease agreement/Skidsteer	2025	Other Operating Costs	Water	 Lease agreement for every two years for our skid steer. We traded in the previous skid steer for a New Holland along with a 2yr. Lease. Lease provides us a maintenance contract with Waupun equipment . Any thing goes wrong or needs service the lease agreement covers these expenses. 	To remove having to use street department's unit. Ther were times we would have to wait most of the day or he next day to use theirs. Tp move material from shop to site, fill main break holes with stone required year-round especially during the winter months until patch is done. 	\$13,000
Pneumatic control saw.	2025	Capital Improvement	Water	PNEUMATIC CONTROL SAW TO BE USED TO ASSIST IN CUTIING OUT WATER MAIN PIPE BELOW THE SURFACE DUE TO A MAIN BREAK, HYDRANT REPLACEMENT OR OTHER. 	We use a handheld chop saw that will kick back at times and could cause serious injury to even the most experience operator. This new type of saw we are looking to purchase helps to eliminate kick back and is more operator friendly.	\$21,000
WELL 8 FILTER MEDIA	2025	Capital Improvement	Water	Remove media and replace with new. Inspect inside condition of tank and make repairs. 	Removes iron from our well water before goes into our distribution system. Finish water quality is affected if we do not maintain a media replacement program due to high iron content in our raw water. Recommended replacement is every 10-15 years. 	\$101,900
Well 8 rehab	2025	Capital Improvement	Water	Remove pump for inspection. Also inspect casing,screening and air line. Brush walls of well and send camera down in well to view overall condition. Project cost summary includes replacement of well pump and motor if needed. 	DNR required and to confirm well is performing as needed. 	\$160,000
Well 9 air compressor	2025	Capital Improvement	Water	AIR COMPRESSOR PUMPS ALONG WITH TANKS. REPLACEMENT AT WELL #9. With AIR COMPRESSOR REPLACEMENT FOR WELLS 5&7 ARE PART OF WELL 7 MODIFICATIONS SCHEDULED FOR 2024, ALL AIR COMPRESSORS WILL HAVE BEEN REPLACED THE LAST THREE YEARS. 	TO MIX AIR INTO OUR RAW WATER AS THE FLOWS TO THE MEDIA. THIS PROCESS IS REQUIRED TO REMOVE IRON BEFORE IT GOES INTO OUR FINISH WATER SYSTEM. 	\$20,000
Well 9 Holding Tank Maintenance	2025	Other Operating Costs	Water	Cleaning and inspection of the underground holding tank is recommended every two years starting in 2025. 	TO CLEAN AND INSPECT HOLDING TANK. TANK HOLDS WASTE DISCHARGE WATER WHICH COMES FROM THE MEDIA DURING BACKWASH PROCEDURE. IRON SLUDGE DOES ACCUMALATE AND NEEDS TO BE REMOVED AND TESTED. ALONG WITH A POWERWASHING OF THE TANK. THIS PROCESS SHOULD BE DONE EVERY TWO YEARS. This is different from the snitary holding tank located at well 9. 	\$58,000
Well 9 road paving.	2025	Capital Improvement	Water	PLACE NEW ASPHALT ON ROAD LEADING FROM THE SOUTH EDGE OF CONCRETE TO EXISTING ASPHALT BY WELL HOUSE #9. Total of 22,100 sq.ft. 	ELIMANTES HAVING TO FILL HOLES AFTER SNOW REMOVING AROUND TEN- FIFTEEN TIMES PER YEAR PLUS WHEN IT RAINS WE SPEND TIME FILLING THE HOLES AS WELL. 	\$70,000
Well house meter testing.	2025	Other Operating Costs	Water	TEST FIVE WELL HOUSE METERS TO CONFIRM WATER FLOW. REQUIRED EVERY TWO YEARS. WILL BE DONE IN 2023. 	Must be done every two years per PSC code. Meter test confirms well pump flow into our system.	\$5,300
Putnam Street Reconstruction	2026	Capital Improvement	DPW	Putnam reconstruction consists of upsizing the water main, adding curb and gutter to improve storm water drainage and new asphalt pavement. Construction inspection included in cost.	Residents and business along Putnam are served with a 2 inch water service. To provide adequate water supply, an 8 inch main will be installed. Also, due to the elevation of the street and the surrounding buildings, flooding is known to happen.	\$501,900
Milwaukee St. lift station control upgrade	2026	Capital Improvement	Sewer	Lift station controls updates would provide a time to improve level sensor monitoring, PLC update, UPS conversion to DC vs AC and improved staff interaction with incorporation of a small touchscreen for operational adjustments. All work to be performed by our historic electrical control contractor.	Current Allen Bradley PLC and HMI are no longer maintained or serviceable by our electrical integrator. As part of this update the operation of the pumps in normal and backup float control would be standardized to other lift stations in the community. This update would provide for another reliable 20 years of functionality.	\$11,000

Kubota RTV Replacement '26	2026	Capital Improvement	Streets	Kubota RTV 1100 UTV	We currently have 2006 and 2018 Kubota RTV's. The new unit would replace the 2006 as it will be 20 years old and is in need of replacement.	\$26,000
Loader Snow Blower Replacement '26	2026	Other Operating Costs	Streets	SnoGo loader snow blower.	Our current loader snow blower is a 2003 making it 23 years old. It is a crucial piece of equipment during a larger scale snow event to load trucks and remove the windrows of snow from the center of the street in the Downtown area of the city.	\$250,000
Plow/Patrol Truck '26	2026	Other Operating Costs	Streets	2027 International Single axle Plow/Patrol Truck 10' Stainless Steel DuraClass Box Swenson Salter with prewet system Wausau Poly Trip Edge Plow and Wing	Our fleet of 7, single axle plow trucks and 1 Tandem, 7 trucks plow the entire City during a snow event and 1 that is our Brine truck which is out before most every snow/ice event weather pending, has the age range from 3 years old to 30 years old. We need to get into a cycle of replacing a Plow/Patrol truck every 3 years to ensure our fleet isn't older than 20 years. As trucks get rotated out of service for plowing they become our Brine applicator and spare plow truck in the event of a break down.	\$300,000
Skid Loader Replacement '26	2026	Capital Improvement	Streets	For the past 6 years the DPW has been working with Waupun Equipment on a yearly trade agreement. We order 2 new skid loaders at the end of each calendar year and take delivery mid to late winter of a L 328 and a L320 skid loader. We are allowed up to 250 hours per machine with a guaranteed trade price of \$3,000 each for 2 new machines the following year. If we go over on hours due to a heavy winter, Waupun charges us an additional \$10.00 per hour. This trade agreement keeps us in 2 new machines covered by warranty every year for \$10 per engine hour.	These 2 skid loaders are used every day for various projects from clearing snow from parking lots, sidewalks and streets to dirt and gravel work.	
Battery back up at well houses (UPS)	2026	Utilities and Other Operating Costs	Water	UPS STANDS FOR UNINTERRUPTED POWER SERVICE. WHEN POWER GOES OUT THE UPS KICKS IN AND PROVIDES POWER TO SCADA SYSTEM FOR EACH WELL HOUSE.	KEEPS POWER ON TO THE SCADA SYSTEM AT EACH WELL HOUSE, TOWER AND MAIN WATER PLANT. RECOMMENDED CHANGE OUT IS EVERY 3 YEARS. ALL WERE DONE IN 2023. WE HAVE 7 TOTAL.	\$1,300
Biennial St Reconstruction	2027	Capital Improvement	DPW	Street and utility reconstruction projects. 2027 - 2031, Design odd number year, construct even number year.	The City utilizes a rating system to grade the condition of pavement. This in conjunction with replacement of underground utility infrastructure comprise the majority of capital spending. We aim to spend no more on a biennial basis than the amount of debt we retire in the same period. Although the specific projects are not known until 2-4 years in advance, their need and cost is expected.	\$3,360,000
Biogas Sphere Coating	2027	Other Operating Costs	Sewer	This proposed project would include preparation, coating application and thickness testing of the interior and exterior of the 35' diameter Hortonsphere.	The gas holding sphere was put online in 1982. It has not been recoated since that time. This work will only occur after an inspection, which is planned for 2024, proves the structure is sound. As the picture shows, the sphere does show signs of deterioration and will become unusable if not coated in the near future. Currently, we do not have the ability to utilize this structure due to aging associated equipment. However, if the corrosion is allowed to persist this structure will not be a future option for gas handling. The project would be funded by operating revenue via the capital improvement fund.	\$185,000
F350 Pickup '27	2027	Capital Improvement	Streets	2027 350 4X4 Pickup.	With a number of vehicles 20 plus years old in the fleet this truck is going to replacement.	\$50,000
Skid Loader Replacement '27	2027	Capital Improvement	Streets	For the past 7 years the DPW has been working with Waupun Equipment on a yearly trade agreement. We order 2 new skid loaders at the end of each calendar year and take delivery mid to late winter of a L 328 and a L320 skid loader. We are allowed up to 250 hours per machine with a guaranteed trade price of \$3,000 each for 2 new machines the following year. If we go over on hours due to a heavy winter, Waupun charges us an additional \$10.00 per hour. This trade agreement keeps us in 2 new machines covered by warranty every year for \$10 per engine hour.	These 2 skid loaders are used every day for various projects from clearing snow from parking lots, sidewalks and streets to dirt and gravel work.	

