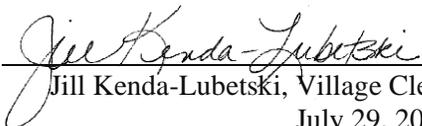


VILLAGE BOARD MEETING
Monday, August 3, 2020
Virtual Meeting by Phone, 6:30 P.M.



PLEASE TAKE NOTICE that a meeting of the Brown Deer Village Board will be held virtually due to the COVID-19 pandemic. The public can access this meeting of the Village Board by dialing **1-301-715-8592**. The public would then need to enter the code: **838-7638-2166** to join the meeting. The public can also join by video by using the following link: <https://us02web.zoom.us/j/83876382166>. Please remember to mute your microphone to reduce background noise. The following items of business will be discussed and possibly acted upon:

- I. Roll Call
- II. **Persons Desiring to be Heard** – Please submit your full name, address, and your comment by 4:30 p.m. August 3, 2020 to manager@browndeerwi.org
- III. **Consent Agenda**
 - A) Consideration of Minutes: July 20, 2020 – Regular Meeting
- IV. **New Business**
 - A) Presentation and Workshop for the Capital Improvement Plan (CIP) 2021-2025
 - B) Approve the Compliance Maintenance Annual Report (CMAR) and Approve the Resolution Authorizing Submittal to the Wisconsin Department of Natural Resources (WDNR)
 - C) Discussion and Action on the Continuation of Virtual Village Board and Other Village Meetings
- V. Village President's Report
- VI. Village Manager's Report
- VII. Adjournment



Jill Kenda-Lubetski, Village Clerk
July 29, 2020

PERSONS REQUIRING SPECIAL ACCOMMODATIONS FOR ATTENDANCE AT THE MEETING SHOULD CONTACT THE VILLAGE CLERK AT LEAST ONE BUSINESS DAY PRIOR TO THE MEETING.

**BROWN DEER VILLAGE BOARD
JULY 20, 2020 MEETING MINUTES
HELD BY PHONE DUE TO COVID-19 PANDEMIC**

The meeting was called to order by President Montgomery at 6:32 P.M.

I. Roll Call

Present: Village President Montgomery; Trustees: Baker, Quirk, Spencer, Springman, Cherry, Booker

Also, Present: Michael Hall, Village Manager; Susan Hudson, Comptroller; John Fuchs, Village Attorney; Matthew Maederer, Department of Public Works Director; Nate Piotrowski, Community Services Director, Ann Christiansen, Health Director, Chief Kass & Captain Jonathan Schmitz

II. Persons Desiring to be Heard – see attachment

III. Consent Agenda

- A) Consideration of Minutes: July 6, 2020 – Regular Meeting
- B) May 2020 Financial Report
- C) Consideration of June 2020 Vouchers

It was moved by Trustee Springman and seconded by Trustee Booker to approve the consent agenda item with change to the minutes by added the word meeting. The motion carried unanimously.

IV. New Business

- A) Discussion of Possible Action Regarding a Mandate to Wear Masks in the Village of Brown Deer

Discussion took place on the difference between a resolution and an ordinance. Discussion took place on the pro and cons of wearing a mask.

It was moved by Trustee Spencer and Seconded by Trustee Cherry to approve the resolution on the recommendation of wearing a mask. The motion carried unanimously.

- B) Discussion about Community Based Residential Facilities (CBRFs) and Juvenile Facilities Licensed by the State of Wisconsin

The Village doesn't have a say where and when a residential home can become a CBRF or a Juvenile Facilities as these are all licensed by the State and must follow state guidelines.

This item was for discussion purposed only. No action was taken on this item.

- C) Review and Approval of WisDOT Temporary Limited easement for HWY 57 roadway work adjacent to 4301 W Brown Deer Road

A Temporary Limited Easement for the right to construct cut and/or fill slopes, including for such purpose the right to operate the necessary equipment thereon and the right of ingress and egress as long as required for such public purpose, including the right to preserve, protect, remove, or plant thereon any vegetation that the highway authorities may deem necessary or desirable, in and to the following tract of land, in the Village of Brown Deer, Milwaukee County, State of Wisconsin.

It was moved by Trustee Springman and Seconded by Trustee Quirk to approve the temporary limited easement for HWY 57 roadway. The motion carried unanimously.

- D) Review and Approval of a Temporary Limited Easement and Right of Way acquisition for Hwy 57 roadway work adjacent to 8600 N Deerwood Drive

A Temporary Limited Easement for the right to construct cut and/or fill slopes, including for such purpose the right to operate the necessary equipment thereon and the right of ingress and egress as long as required for such public purpose, including the right to preserve, protect, remove, or plant thereon any vegetation that the highway authorities may deem necessary or desirable, in and to the following tract of land, in the Village of Brown Deer, Milwaukee County, State of Wisconsin.

It was moved by Trustee Booker and Seconded by Trustee Springman to approve the temporary limited easement and right of way for HWY 57 roadway. The motion carried unanimously.

- E) Approve a Zoning Code Text Amendment of the M – Manufacturing District to Include “Day Care Center” as a conditional Use

Ordinance to Amend Section 121-220 to allow day care center as a conditionally permitted use in the M-Manufacturing zoning district.

It was moved by Trustee Quirk and Seconded by Trustee Cherry to approve the ordinance to allow day care center in M-Manufacturing zoning district. The motion carried unanimously.

- F) Approve a Conditional Use Permit for Infinite Gymnastics for a Day Care at 8989 N 55th Street

It was moved by Trustee Spencer and Seconded by Trustee Quirk to approve the Conditional Use Permite for Infinite Gymnastics for a Day Care. The motion carried unanimously

- G) Discussion on the Continuation of Virtual Village Board and Other Village Meetings

Discussion on when to return to in-person meeting. Majority of the Trustees would like to keep in the virtual. They are going to decide at each board how to meet for the next board meeting. For the August 3, 2020 board meeting it was decided to be it virtual.

This item was for discussion purposed only. No action was taken on this item.

V. Village President’s Report

VI. Village Committee Report – second round of Beautification Landscape award winners

- Chanthar and Piseth Kong, 4521 W. Donna Drive
- Nicole Faldet & Cedric Love, Jr., 9210 N. 51st Street
- Barbara Prokopowicz, 8011 N. 38th Street
- Sherrie & Robert Keebler, 7873 N. 45th Street

VII. Village Manager’s e Reports

CIP workshop is August 3rd. Will be taking CIP and CVIC Plus website design to FPW August 5th.

VIII. Adjournment

It was moved by Trustee Quirk and seconded by Trustee Spencer to adjourn at 8:33 p.m. The motion carried unanimously.

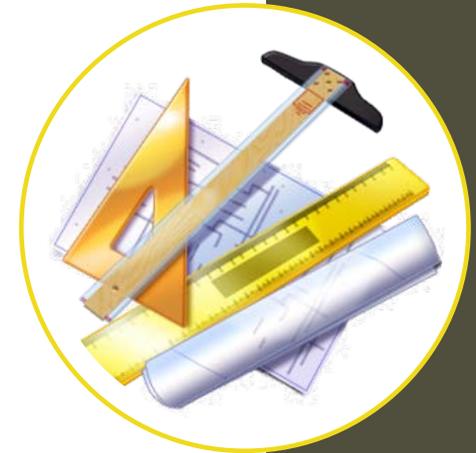
Susan Hudson, Deputy Village Clerk



Capital Improvement Plan

What is a Capital Improvement Plan?

- A **Capital Improvement Plan**, or **CIP**, is like a blueprint for planning a community's capital expenditures and is one of the most important responsibilities of local government officials. It coordinates community planning, financial capacity, and physical development.



A Capital Improvement Plan, or CIP, is composed of two parts.

- **A Capital Budget**
 - The capital budget is the upcoming year’s spending plan for capital items (typically tangible assets or projects that cost at least \$5,000 and have a useful life of at least 3 years). In Brown Deer we borrow for 2 years on an even year. The next borrowing is 2022.
- **A Capital Program**
 - The capital program is a plan for capital expenditures that extends 4 years or more beyond the capital budget. These projects in subsequent years may not have been funded or authorized. Since the CIP is not a legally binding document, it can and does change in the “out” years. The CIP is often spoken of as a rolling document since older projects drop off and new ones are added each year.





Agenda for CIP Workshop

1. Funding CIP Projects.
2. Village debt management policy.
3. Assess the Village's Financial Capacity.
4. Understanding Municipal Taxes
5. Review Capital Improvement Plan.
6. Approve CIP on August 17th 2020.

Funding CIP Projects

**Debt - General
Obligation (GO)
Bonds**

**Levy Funds -
\$372,000**

**Grants – MMSD,
DNR, CDBG,
other**

**Donations – Rare
(Trust Fund) or
Foundation**

**Fund Balance –
Unassigned is
limited**

**TID Funds – only
for TIDs**

DEBT / General Obligation (GO) Bonds

- We borrow every 2 years on an even year.
- Next borrowing will be 2022
- We typically borrow \$1,000,000 per year for typical projects
- We borrow more for special projects.
 - New DPW
 - New Library
 - Large Road Reconstruction



Village Debt Management Policy

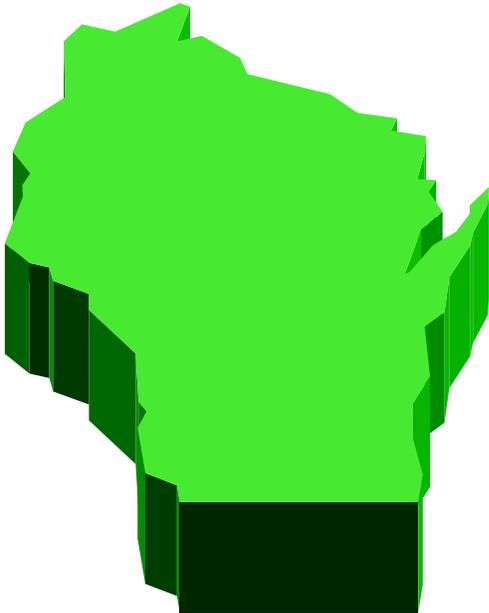


State Law and Village Debt Policy

- The State has certain laws about municipal debt. In addition, the Village has adopted further debt management policies that cover the Village Board's general view of debt.



State of Wisconsin Law on Municipal Debt



- The Village's general obligation debt is limited under the State of Wisconsin Statutes. It is capped at 5% of the Village's equalized value.
- January 1, 2019 (Equalized Value): **\$1,005,880,400**
- Allowable debt limit is: **\$50,294,020**
- **Total Village Debt is: \$35,865,000**
 - This includes Levy, Enterprise Funds, and TIDs

Debt Management Policy #1



- **“The Village intends to keep levy supported general obligation debt within 40% of the limit prescribed by law and the total outstanding general obligation debt within 75% of the limit prescribed by law...”**

Debt Management Policy #2



- “The total annual debt service for general obligation debt will not exceed 25% of the Village’s total general fund operating revenue.”

Assess Village Financial Capacity



Financial Analysis 2022-2026

CIP - Preliminary



Village of Brown Deer HYPOTHETICAL FINANCING PLAN

LEVY YEAR	YEAR DUE	EXISTING DEBT SERVICE LEVY SUPPORTED	2022 BORROWING				2024 BORROWING				2026 BORROWING				YEAR DUE
			PRINCIPAL (4/1)	INTEREST (4/1 & 10/1) TIC= 1.84%	LESS: HYPOTHETICAL BID PREMIUM	TOTAL	PRINCIPAL (4/1)	INTEREST (4/1 & 10/1) AVG= 3.00%	LESS: HYPOTHETICAL BID PREMIUM	TOTAL	PRINCIPAL (4/1)	INTEREST (4/1 & 10/1) AVG= 3.00%	LESS: HYPOTHETICAL BID PREMIUM	TOTAL	
2019	2020	\$1,443,811													2020
2020	2021	\$1,868,541													2021
2021	2022	\$1,788,554													2022
2022	2023	\$1,571,956	\$360,000	\$111,750	(\$111,750)	\$360,000									2023
2023	2024	\$1,562,769	\$315,000	\$103,313	(\$59,636)	\$358,676									2024
2024	2025	\$1,561,350	\$260,000	\$96,125		\$356,125	\$105,000	\$28,875	(\$28,875)	\$161,175					2025
2025	2026	\$1,422,056	\$270,000	\$89,500		\$359,500	\$105,000	\$53,025		\$158,025					2026
2026	2027	\$1,426,363	\$275,000	\$82,688		\$357,688	\$110,000	\$49,800		\$159,800	\$110,000	\$31,050	(\$31,050)	\$0	2027
2027	2028	\$1,433,806	\$285,000	\$75,688		\$360,688	\$115,000	\$46,425		\$161,425	\$115,000	\$57,075		\$170,450	2028
2028	2029	\$1,439,469	\$290,000	\$68,500		\$358,500	\$115,000	\$42,975		\$157,975	\$115,000	\$53,625		\$172,075	2029
2029	2030	\$1,242,019	\$295,000	\$61,188		\$356,188	\$120,000	\$39,450		\$159,450	\$120,000	\$50,100		\$168,625	2030
2030	2031	\$1,069,231	\$305,000	\$53,688		\$358,688	\$125,000	\$35,775		\$160,775	\$125,000	\$46,425		\$170,100	2031
2031	2032	\$905,331	\$310,000	\$46,000		\$356,000	\$125,000	\$32,025		\$157,025	\$130,000	\$42,600		\$171,425	2032
2032	2033	\$902,113	\$320,000	\$38,125		\$358,125	\$130,000	\$28,200		\$158,200	\$135,000	\$38,625		\$172,600	2033
2033	2034	\$784,431	\$330,000	\$30,000		\$360,000	\$135,000	\$24,225		\$159,225	\$135,000	\$34,575		\$173,625	2034
2034	2035	\$782,684	\$335,000	\$21,688		\$356,688	\$140,000	\$20,100		\$160,100	\$140,000	\$30,450		\$169,575	2035
2035	2036	\$779,988	\$345,000	\$13,188		\$358,188	\$145,000	\$15,825		\$160,825	\$145,000	\$26,175		\$170,450	2036
2036	2037	\$781,225	\$355,000	\$4,438		\$359,438	\$150,000	\$11,400		\$161,400	\$150,000	\$21,750		\$171,175	2037
2037	2038	\$781,313					\$150,000	\$6,900		\$156,900	\$155,000	\$17,175		\$171,750	2038
2038	2039	\$235,275					\$155,000	\$2,325		\$157,325	\$160,000	\$12,450		\$172,175	2039
2039	2040	\$233,450									\$165,000	\$7,575		\$172,450	2040
2040	2041										\$170,000	\$2,550		\$172,575	2041
2041	2042													\$172,550	2042
2042	2043														2043
2043	2044														2044
2044	2045														2045
2045	2046														2046
2046	2047														2047
		\$24,015,734	\$4,650,000	\$954,000	(\$229,511)	\$5,374,489	\$1,925,000	\$493,500	(\$28,875)	\$2,389,625	\$2,070,000	\$532,650	(\$31,050)	\$2,571,600	

Robert W. Baird & Co. Incorporated ("Baird") is not recommending any action to you. Baird is not acting as an advisor to you and does not owe you a fiduciary duty pursuant to Section 15B of the Securities Exchange Act of 1934. Baird is acting for its own interests. You should discuss the information contained herein with any and all internal or external advisors and experts you deem appropriate before acting on the information. Baird seeks to serve as an underwriter (or placement agent) on a future transaction and not as a financial advisor or municipal advisor. The primary role of an underwriter (or placement agent) is to purchase, or arrange for the placement of, securities in an arm's length commercial transaction with the issuer, and it has financial and other interests that differ from those of the issuer. The information provided is for discussion purposes only, in seeking to serve as underwriter (or placement agent). See "Important Disclosures" contained herein.



Financial Analysis 2028-2032

CIP - Preliminary



Village of Brown Deer HYPOTHETICAL FINANCING PLAN

LEVY YEAR	YEAR DUE	2028 BORROWING				2030 BORROWING				2032 BORROWING				FUTURE CIP (A)	COMBINED DEBT SERVICE LEVY SUPPORTED	YEAR DUE
		PRINCIPAL (4/1)	INTEREST (4/1 & 10/1) AVG= 3.00%	LESS: HYPOTHETICAL BID PREMIUM	TOTAL	PRINCIPAL (4/1)	INTEREST (4/1 & 10/1) AVG= 3.00%	LESS: HYPOTHETICAL BID PREMIUM	TOTAL	PRINCIPAL (4/1)	INTEREST (4/1 & 10/1) AVG= 3.00%	LESS: HYPOTHETICAL BID PREMIUM	TOTAL			
2019	2020															
2020	2021															
2021	2022															
2022	2023															
2023	2024															
2024	2025															
2025	2026															
2026	2027															
2027	2028		\$31,050	(\$31,050)	\$0											
2028	2029	\$110,000	\$60,450		\$170,450											
2029	2030	\$115,000	\$57,075		\$172,075		\$31,050	(\$31,050)	\$0							
2030	2031	\$115,000	\$53,625		\$168,625	\$110,000	\$60,450		\$170,450							
2031	2032	\$120,000	\$50,100		\$170,100	\$115,000	\$57,075		\$172,075							
2032	2033	\$125,000	\$46,425		\$171,425	\$115,000	\$53,625		\$168,625	\$110,000	\$31,050	(\$31,050)	\$0			
2033	2034	\$130,000	\$42,600		\$172,600	\$120,000	\$50,100		\$170,100	\$115,000	\$60,450		\$170,450			
2034	2035	\$135,000	\$38,625		\$173,625	\$125,000	\$46,425		\$171,425	\$115,000	\$53,625		\$168,625	\$0		
2035	2036	\$135,000	\$34,575		\$169,575	\$130,000	\$42,600		\$172,600	\$120,000	\$50,100		\$170,100	\$170,450		
2036	2037	\$140,000	\$30,450		\$170,450	\$135,000	\$38,625		\$173,625	\$125,000	\$46,425		\$171,425	\$172,075		
2037	2038	\$145,000	\$26,175		\$171,175	\$135,000	\$34,575		\$169,575	\$130,000	\$42,600		\$172,600	\$342,175		
2038	2039	\$150,000	\$21,750		\$171,750	\$140,000	\$30,450		\$170,450	\$135,000	\$38,625		\$173,625	\$510,500		
2039	2040	\$155,000	\$17,175		\$172,175	\$145,000	\$26,175		\$171,175	\$135,000	\$34,575		\$169,575	\$514,775		
2040	2041	\$160,000	\$12,450		\$172,450	\$150,000	\$21,750		\$171,750	\$140,000	\$30,450		\$170,450	\$684,125		
2041	2042	\$165,000	\$7,575		\$172,575	\$155,000	\$17,175		\$172,175	\$145,000	\$26,175		\$171,175	\$684,350		
2042	2043	\$170,000	\$2,550		\$172,550	\$160,000	\$12,450		\$172,450	\$150,000	\$21,750		\$171,750	\$854,575		
2043	2044					\$165,000	\$7,575		\$172,575	\$155,000	\$17,175		\$172,175	\$855,525		
2044	2045					\$170,000	\$2,550		\$172,550	\$160,000	\$12,450		\$172,450	\$1,026,325		
2045	2046									\$165,000	\$7,575		\$172,575	\$1,027,700		
2046	2047									\$170,000	\$2,550		\$172,550	\$1,198,775		
		\$2,070,000	\$532,650	(\$31,050)	\$2,571,600	\$2,070,000	\$532,650	(\$31,050)	\$2,571,600	\$2,070,000	\$532,650	(\$31,050)	\$2,571,600	\$8,380,425	\$50,446,673	

(A) Assumes projects of \$2,000,000 issued every other year, beginning in 2034, amortized over fifteen years at 3.00%.
 (B) Debt limit is based on 2019 Equalized Valuation (TID-IN) of \$1,005,880,400 and assumes 1.00% annual growth. Shown beginning of year.

Debt Policy #1 ^(B)	
Maximum Levy Supported G.O. Debt as a % of legal limit	40%
Percentage of Debt Limit Used (2023, Levy Supported Only):	39%
Maximum Total G.O. Debt as a % of legal limit	75%
Percentage of Debt Limit Used (2021):	65%
Debt Policy #2	
Annual Levy Supported Debt Service max % of operating revenue	25%
Maximum Debt Service (2037) as % of Estimated 2020 Operating Revenue:	22%

Note: Estimated 2020 Operating Revenue: \$10,348,531



Compliance with Debt Policy

Debt Policy #1 ^(B)

Maximum Levy Supported G.O. Debt as a % of legal limit	40%
Percentage of Debt Limit Used (2023, Levy Supported Only):	39%

Maximum Total G.O. Debt as a % of legal limit	75%
Percentage of Debt Limit Used (2021):	65%

Debt Policy #2

Annual Levy Supported Debt Service max % of operating revenue	25%
Maximum Debt Service (2037) as % of Estimated 2020 Operating Revenue:	22%

Note: Estimated 2020 Operating Revenue: \$10,348,531

Understanding Municipal Taxes



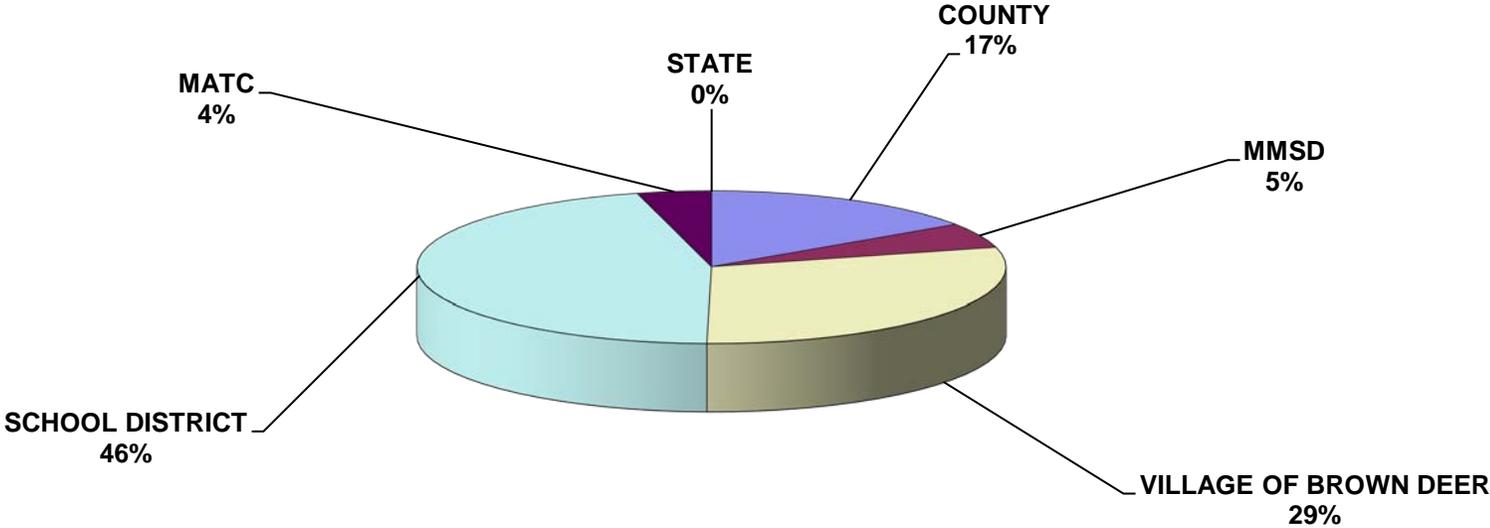
Understanding Taxes

- There are many factors that go into estimating how much a homeowner will pay:
 - Interest rates on the General Obligation (GO) bond
 - Assessed value / Tax Rate
 - Other taxing jurisdictions
 - The value of the property



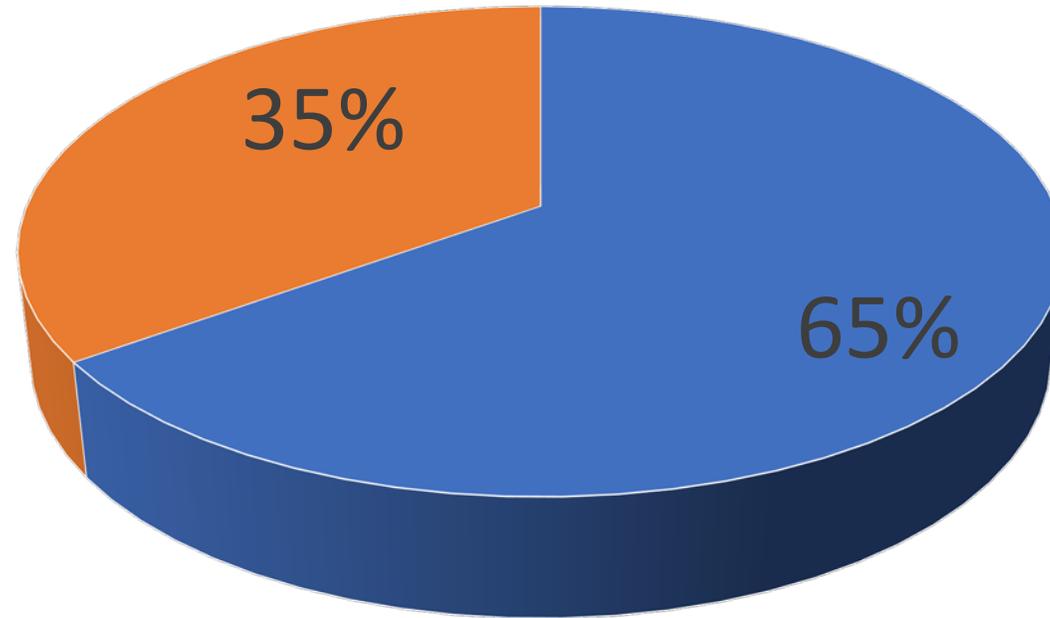
Gross Tax Rate by Taxing Jurisdiction

Village of Brown Deer is 29% of the Property Taxes



General Fund Revenue

Chart Title



■ Levy ■ Other Taxes

Levy Breakdown – 62% of Total Revenues

- **General Fund** – (\$6,436,025) - 74%
- **Library Fund** – (\$385,346) - 4%
- **Park & Pond** – (\$47,500) - 1%
- **Debt Payments** – (\$1,014,920) - 17%
- **Capital Projects** – (\$372,000) - 4%
- **Total:** (\$8,684,683) - 100%



Remaining 38% of General Fund Revenue

- Hotel Room Tax
- Transportation Aids
- Shared Revenue from State
- PILOT (Payments in Lieu of Taxes)
- Expenditure Restraint
- Cable Franchise Fees
- Building inspection Fees (multiple)



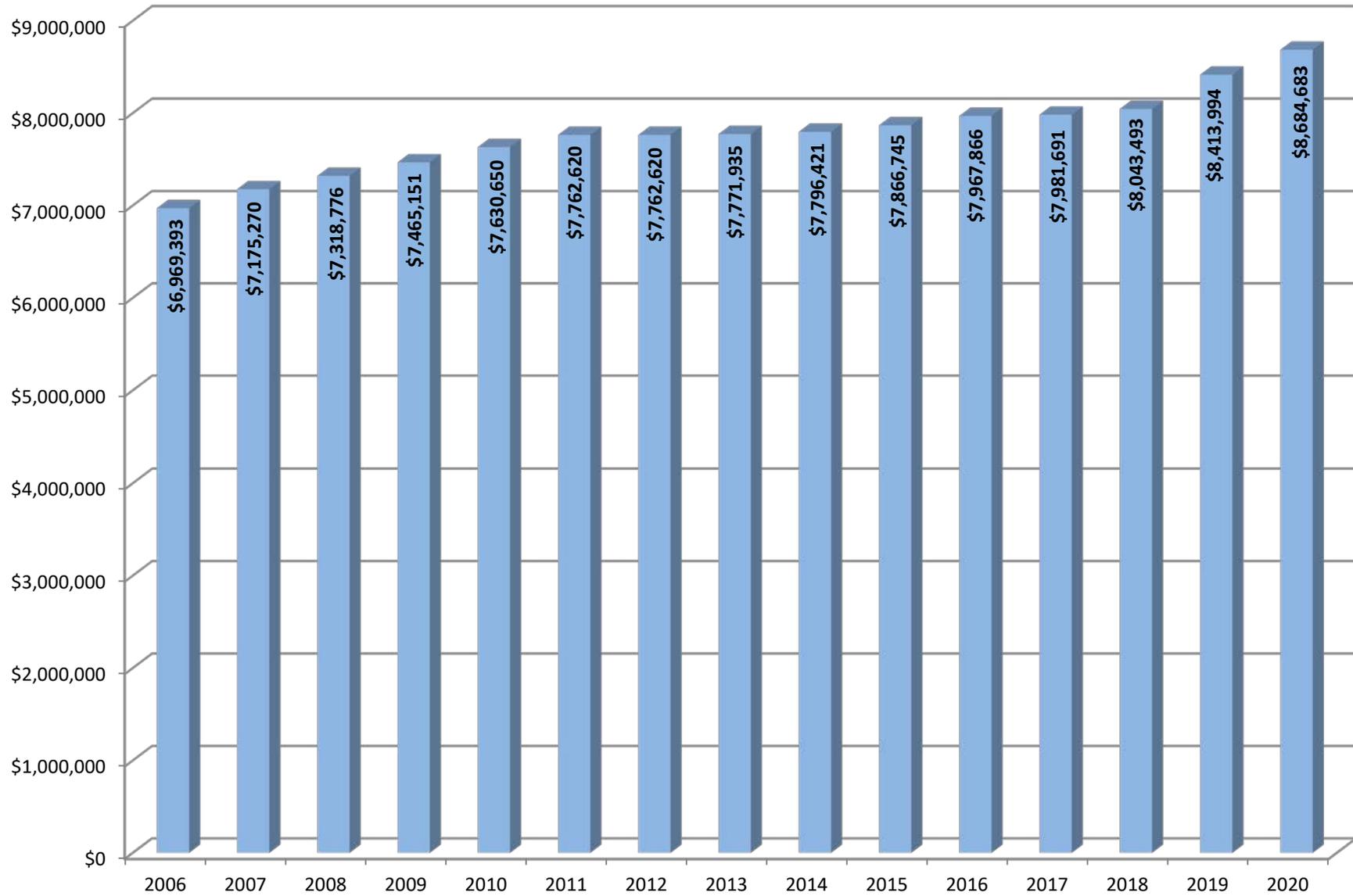
2020 Revenue Summary

	2016	2017	2018	2019	2019	2020	Change	
	Actual	Actual	Actual	Amended	Est.	Proposed	from 2019	
	Actual	Actual	Actual	Budget	Actual	Budget	Budget	Chg %
Revenues								
Taxes	\$ 6,925,859	\$ 6,919,997	\$ 7,040,291	\$ 7,379,186	\$ 7,400,000	\$ 7,223,784	\$ (155,402)	-2.11%
Intergovernmental	1,157,368	1,467,711	1,644,617	1,577,649	1,600,000	1,700,221	122,572	7.77%
Licenses and Permits	394,555	343,456	371,467	360,027	361,000	424,142	64,115	17.81%
Fines, Forfeitures and Penalties	442,954	47,584	69,571	50,000	50,000	50,000	-	0.00%
Public Charges for Services	46,286	45,053	124,905	84,190	85,000	34,500	(49,690)	-59.02%
Interdepartmental Charges	765,243	835,278	913,715	696,000	700,000	799,429	103,429	14.86%
Miscellaneous Revenue	219,723	490,847	400,558	99,375	100,000	116,813	17,438	17.55%
Other Financing Sources	-	-	-	-	-	-	-	#DIV/0!
Total Revenues	9,951,988	10,149,926	10,565,124	10,246,427	10,296,000	10,348,889	102,462	1.00%

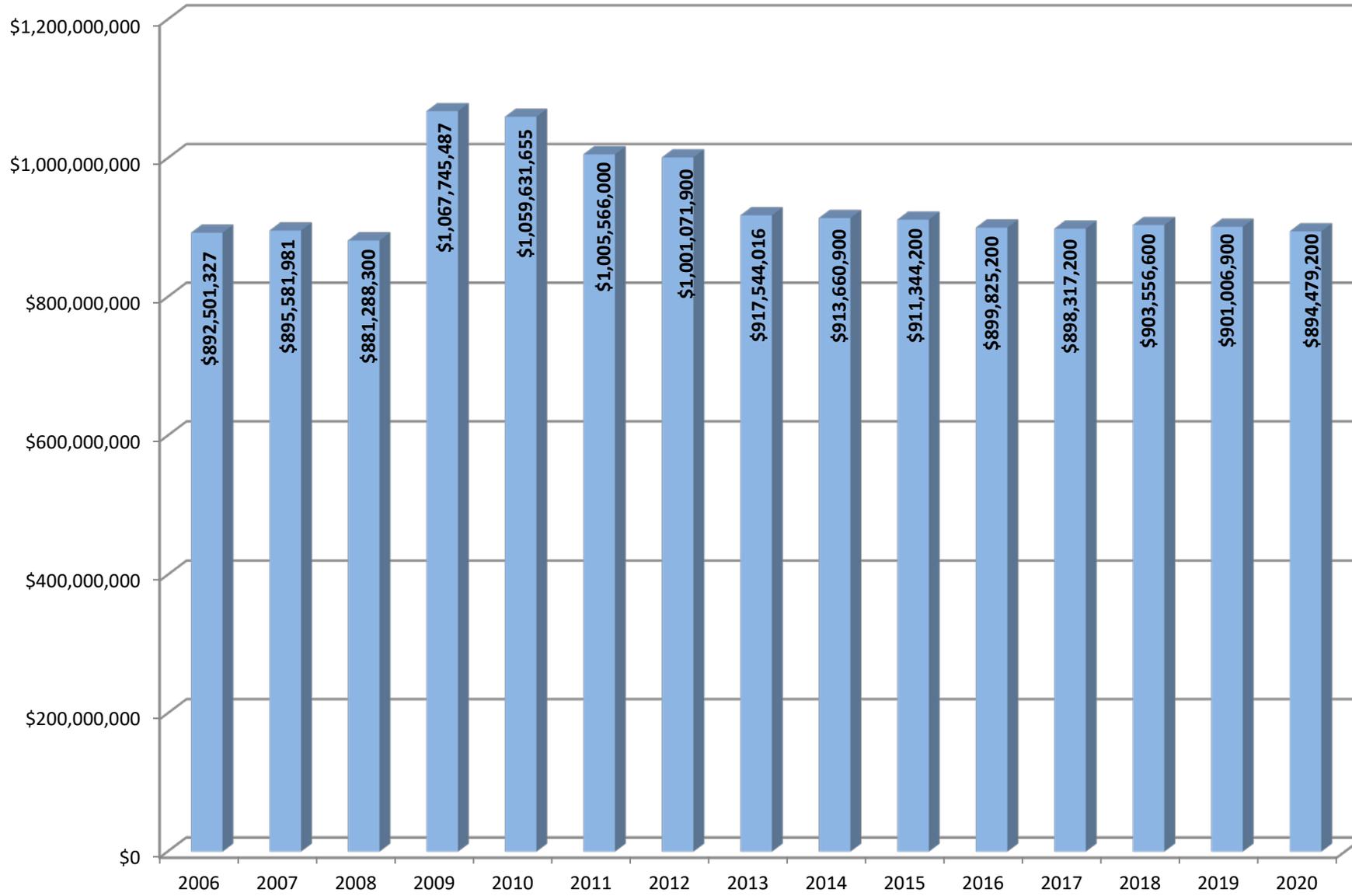
How Do You Calculate The Tax Rate?

- **Levy** (how much you need to provide services) **Complete Control**
 - **Assessed Value** (value of the all the properties) **Limited Control**
 - **Tax Rate** calculation (levy divided by assessed value)
-
- $$\frac{\text{Tax Levy}}{\text{Assessed Value}} = \text{Tax Rate}$$
 - The Tax Rate determines how much taxes you pay per \$1,000 dollars of value

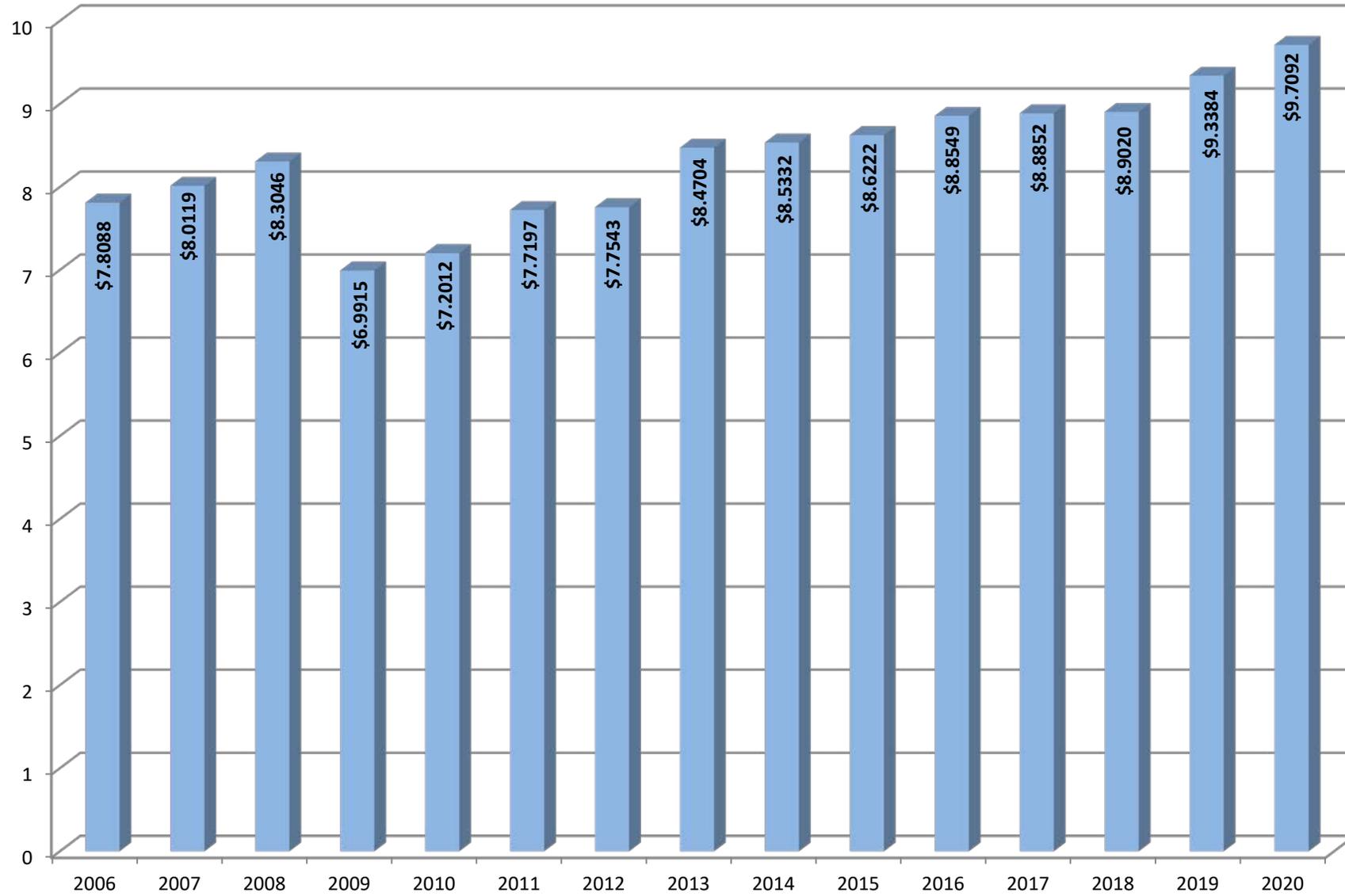
Levy (How much does the Village need to maintain services?)



Assessed Value (How much is your property worth?)



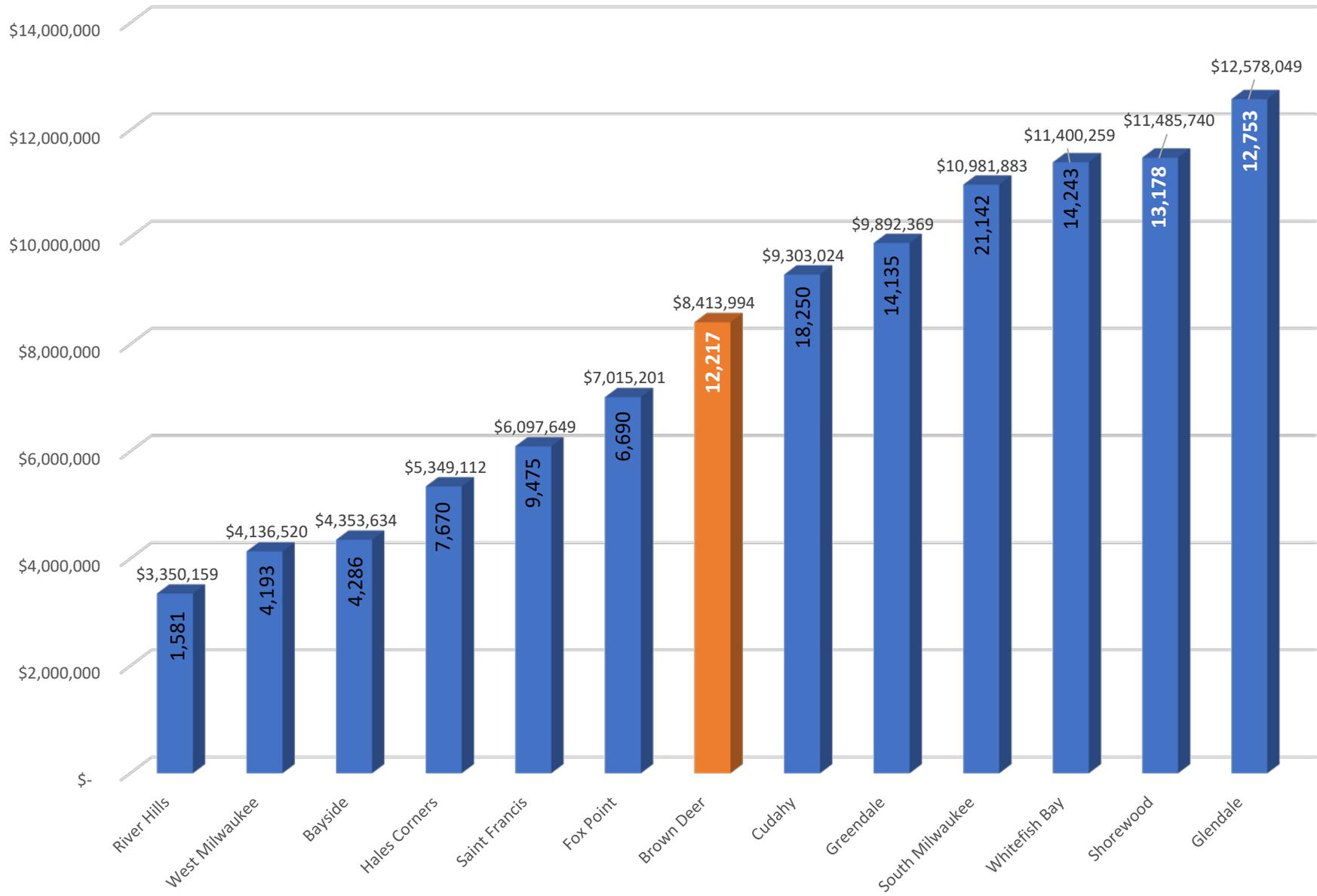
Tax Rate (How much does each person get charged?)



Example of Tax Rate Change Due to Value

<u>Levy</u>	<u>Value</u>	<u>Tax Rate</u>	<u>My House</u>	<u>Taxes</u>
\$ 10,000,000	\$ 1,000,000,000	10.0000	\$ 1,000,000	\$ 10,000
\$ 10,000,000	\$ 900,000,000	11.1111	\$ 1,000,000	\$ 11,111
\$ 10,000,000	\$ 800,000,000	12.5000	\$ 1,000,000	\$ 12,500
\$ 10,000,000	\$ 700,000,000	14.2857	\$ 1,000,000	\$ 14,286
<u>Levy</u>	<u>Value</u>	<u>Tax Rate</u>	<u>My House</u>	<u>Taxes</u>
\$ 10,000,000	\$ 1,000,000,000	10.0000	\$ 1,000,000	\$ 10,000
\$ 10,000,000	\$ 1,100,000,000	9.0909	\$ 1,000,000	\$ 9,091
\$ 10,000,000	\$ 1,200,000,000	8.3333	\$ 1,000,000	\$ 8,333
\$ 10,000,000	\$ 1,300,000,000	7.6923	\$ 1,000,000	\$ 7,692

Comparing the Levy to communities in Milwaukee County (2019)



How Do We Compare?

Municipality	Population	Municipality	Levy	Municipality	Gross	Municipality	Equalized Value	Municipality	Gross Rate	Municipality	Muni Rate
MILWAUKEE	591,076	MILWAUKEE	\$ 268,785,420	MILWAUKEE	\$ 793,979,947	MILWAUKEE	\$ 26,889,263,600	WEST MILWAUKEE	33.70	WEST MILWAUKEE	11.40
WEST ALLIS	59,652	WAUWATOSA	\$ 41,946,786	WAUWATOSA	\$ 142,022,222	WAUWATOSA	\$ 6,155,392,800	BROWN DEER	31.26	WEST ALLIS	11.06
WAUWATOSA	47,389	WEST ALLIS	\$ 41,173,415	WEST ALLIS	\$ 113,025,506	FRANKLIN	\$ 3,888,926,200	SAINT FRANCIS	30.62	SAINT FRANCIS	10.12
GREENFIELD	36,294	GREENFIELD	\$ 24,173,615	FRANKLIN	\$ 95,414,459	WEST ALLIS	\$ 3,722,361,000	WEST ALLIS	30.36	MILWAUKEE	10.00
FRANKLIN	36,046	FRANKLIN	\$ 21,027,846	GREENFIELD	\$ 78,737,480	OAK CREEK	\$ 3,318,333,100	MILWAUKEE	29.53	SOUTH MILWAUKEE	9.47
OAK CREEK	35,560	OAK CREEK	\$ 20,261,132	OAK CREEK	\$ 76,568,619	GREENFIELD	\$ 2,836,112,500	SHOREWOOD	29.52	BROWN DEER	8.67
SOUTH MILWAUKEE	20,910	GLENDALE	\$ 12,611,901	GLENDALE	\$ 59,926,346	WHITEFISH BAY	\$ 2,242,297,500	CUDAHY	29.00	GREENFIELD	8.52
CUDAHY	18,186	SHOREWOOD	\$ 11,417,808	WHITEFISH BAY	\$ 52,488,369	GLENDALE	\$ 2,188,482,600	GREENFIELD	27.76	HALES CORNERS	8.01
GREENDALE	14,263	SOUTH MILWAUKEE	\$ 11,381,100	SHOREWOOD	\$ 48,262,746	SHOREWOOD	\$ 1,634,825,200	SOUTH MILWAUKEE	27.61	CUDAHY	7.87
WHITEFISH BAY	14,178	WHITEFISH BAY	\$ 11,067,292	GREENDALE	\$ 37,398,390	GREENDALE	\$ 1,411,598,600	GLENDALE	27.38	SHOREWOOD	6.98
SHOREWOOD	13,228	GREENDALE	\$ 9,717,455	SOUTH MILWAUKEE	\$ 33,171,698	SOUTH MILWAUKEE	\$ 1,201,596,000	BAYSIDE	27.12	BAYSIDE	6.89
GLENDALE	12,604	CUDAHY	\$ 8,948,593	CUDAHY	\$ 32,966,792	CUDAHY	\$ 1,136,690,600	RIVER HILLS	26.68	GREENDALE	6.88
BROWN DEER	12,340	BROWN DEER	\$ 8,043,493	FOX POINT	\$ 30,094,534	FOX POINT	\$ 1,129,369,900	FOX POINT	26.65	WAUWATOSA	6.81
SAINT FRANCIS	9,435	FOX POINT	\$ 6,995,550	BROWN DEER	\$ 29,007,049	BROWN DEER	\$ 928,060,700	GREENDALE	26.49	RIVER HILLS	6.80
HALES CORNERS	7,619	SAINT FRANCIS	\$ 6,059,348	SAINT FRANCIS	\$ 18,331,275	HALES CORNERS	\$ 662,542,400	HALES CORNERS	26.19	FOX POINT	6.19
FOX POINT	6,648	HALES CORNERS	\$ 5,309,507	HALES CORNERS	\$ 17,349,831	BAYSIDE	\$ 627,677,500	FRANKLIN	24.53	OAK CREEK	6.11
BAYSIDE	4,253	BAYSIDE	\$ 4,322,329	BAYSIDE	\$ 17,022,450	SAINT FRANCIS	\$ 598,710,800	WHITEFISH BAY	23.41	GLENDALE	5.76
WEST MILWAUKEE	4,158	WEST MILWAUKEE	\$ 4,118,212	RIVER HILLS	\$ 12,801,660	RIVER HILLS	\$ 479,737,000	OAK CREEK	23.07	FRANKLIN	5.41
RIVER HILLS	1,577	RIVER HILLS	\$ 3,263,403	WEST MILWAUKEE	\$ 12,174,850	WEST MILWAUKEE	\$ 361,319,000	WAUWATOSA	23.07	WHITEFISH BAY	4.94



**2020-2024
Capital
Improvement
Plan**

Major Projects for 2022

- The streetscaping along Brown Deer Rd. & Green Bay Rd.





Major CIP Project
for 2022 is
streetscaping

Streetscaping - \$2.5 Million

DOT - “Community Sensitive Design”

- DOT will be repaving Brown Deer Rd. and reconstructing Green Bay Rd. in approximately 2021 and 2022. This date is dependent on state funding. They will be removing the bridge, at Brown Deer and Green Bay Roads, and creating an at grade intersection.
- Within the guidelines of the DOT traffic manual they will allow communities to pay for certain design upgrades.
- The Village hired Kapur & Associates to work with the DOT to come up with some design upgrades for these highways.
- Next opportunity for “Community Sensitive Design” will be approximately 2050



Colored concrete at each intersection along Brown Deer Rd.

- The Village Board could look to only color certain intersections.

Adding street lighting poles or upgrading the DOT installed light poles.

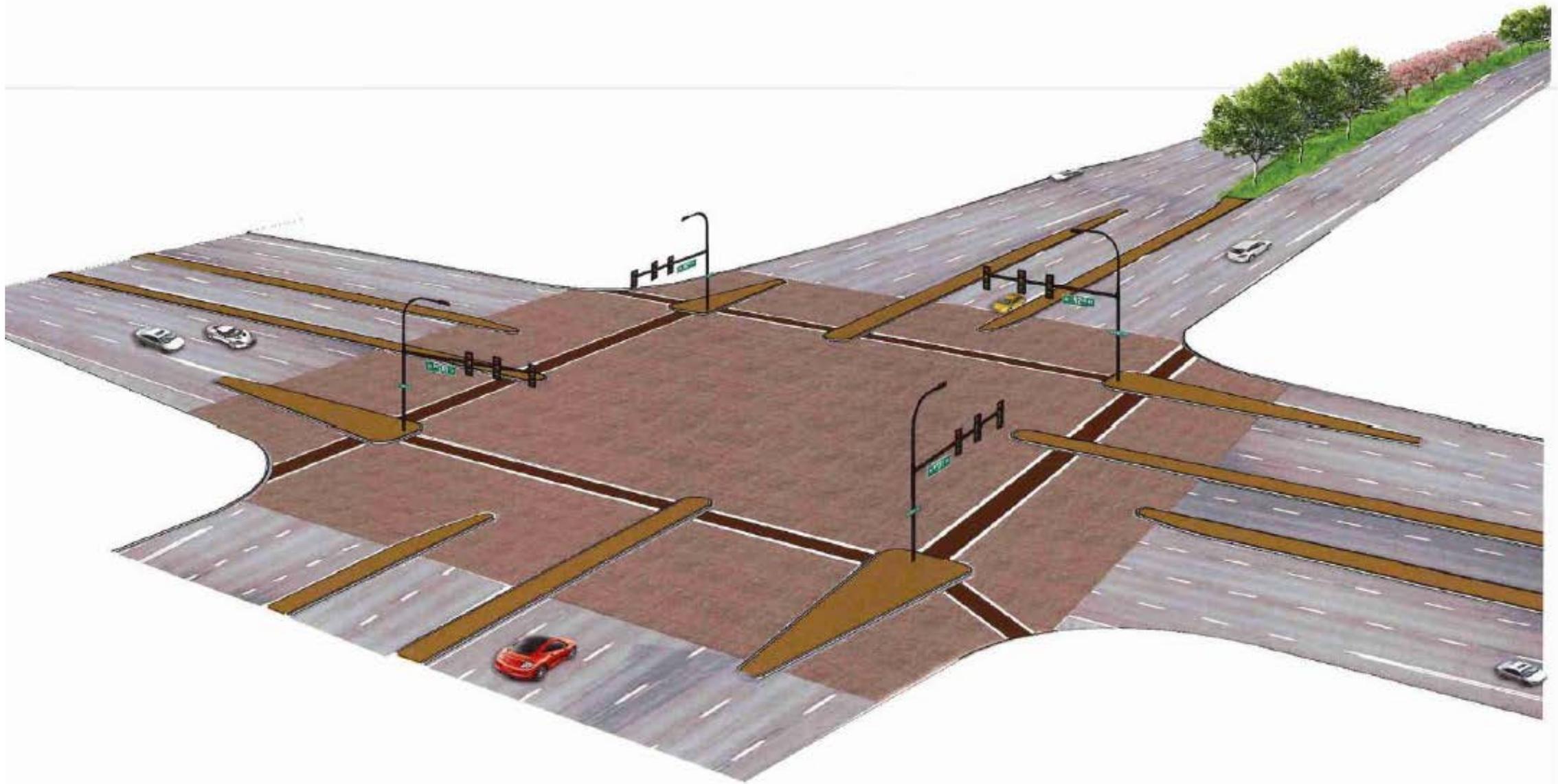
- If the Village Board chooses to upgrade the DOT installed poles only this will save approximately \$500,000.

Adding landscaping and signage in the medians.

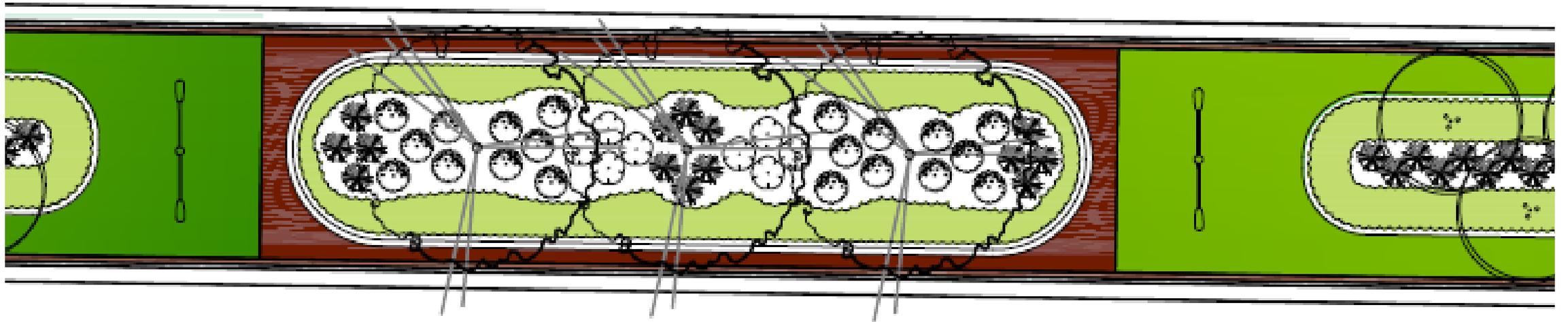
- Landscaping will be easy to maintain and long lasting. Signage will be unique.

Scope of DOT Project for 2021 & 2022









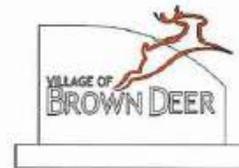
RAISED PLANTER #1
(BETWEEN 64TH & 60TH)

- Colorful and repetitive median planting palettes throughout the street
 - Vase-shaped canopy trees to create lush main street
 - Bio-retention in certain medians

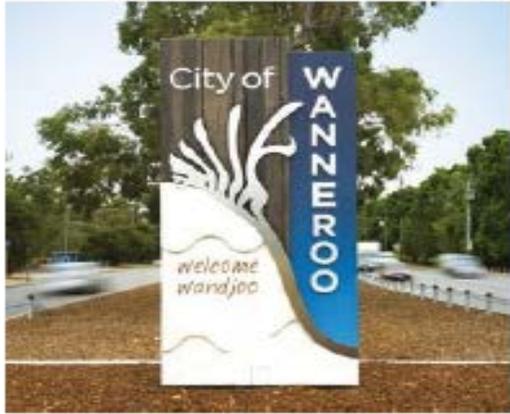
- Brown hues throughout various pavement mediums
 - decorative crosswalks
 - consistent sidewalk perimeter accent

- Updated amenities throughout the project
 - benches
 - trash receptacles
 - planters
 - lighting
 - signage

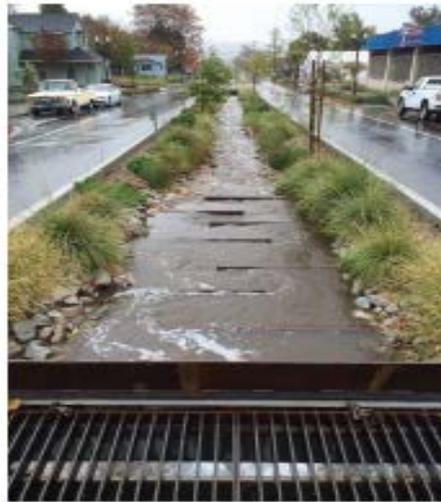
- New more prominent town entry signage



POSSIBLE SIGNAGE



LANDSCAPE INSPIRATION



CAPITOL DRIVE- MILWAUKEE



JANESVILLE ROAD- MUSKEGO





Enterprise Projects

One Major Stormwater Project

Former Glendale Clinic

- The building sits in the flood plain and can't be modified without impacting the flood plain
- The owners want to sell the property to the Village for a detention pond.
- The Village will obtain grants from MMSD and DNR to buy the property and remove the building.
- The DOT will use this property as a detention pond for the reconstruction project of Green Bay Rd. in 2022



The End



VILLAGE OF BROWN DEER

Capital Improvement Plan

2021—2025



Village of Brown Deer Five Year Capital Plan

2021 - 2025

Capital Planning Process

The Village began the capital planning process by summarizing all existing capital assets including equipment, buildings, and infrastructure assets purchased with an individual value more than \$5,000. Department heads then completed a capital needs assessment. One part of that assessment was to review their existing asset inventory and ensure that assets needing replacement during the next five years were requested. Departments were also provided with a listing of capital assets, which had been requested in past years for their review and updates.

Once all capital purchase requests were received, they were split into five groups.

- Non-Debt Financed Purchase Requests
- Debt Financed Purchase Requests
- Stormwater Utility Purchase Requests
- Sanitary Sewer Utility Purchase Requests
- Water Utility Purchase Requests

Non-Debt Financed Purchase Requests

Non-debt financed purchase requests can be thought of as falling into one of three categories annually recurring, smaller dollar purchases or shorter-lived assets. The Village desires to finance those purchases, which recur annually through annual revenues rather than borrowed funds. This method allows for tax rate stabilization and lower debt service payments due to fewer borrowings. The Village also desires not to borrow for lower cost assets as the cost of financing can become too high in comparison to the asset's overall value. In some cases, it is the combination of dollar amount and asset life that result in the asset being shown within this category.

Debt Financed Purchase Requests

Debt financed purchase requests are higher cost, more infrequent purchase requests. Due to the infrequency of purchase, paying for these assets with annual operating funds would lead to a tax rate which fluctuated significantly from one year to the next. In order to maintain tax levy stability, the Village plans to finance these purchases with long term debt.

Stormwater, Sanitary Sewer and Water Utility Purchase Requests

These requests are primarily for infrastructure improvement that relate to one of the Village's utilities. The costs of these assets may be financed through user fees and funds on hand or the issuance of long-term debt. If debt financing is used the debt will be repaid through user fees of that utility, rather than through the general tax levy.

Funding the Requests

Once a comprehensive listing of capital assets was accumulated, the Village began the process of determining how to pay for these purchases. The Village desired to be able to purchase non-debt purchase requests through annual operating revenues such as tax levy and interest income; however, the current level of operating revenues is not sufficient to meet these needs. Village staff reviewed the project requests to verify that they were in line with the Village's overall goals.

Village of Brown Deer Five Year Capital Plan

2021 - 2025

Village staff and board members recognize that delaying capital maintenance and replacement of equipment result in higher future costs and decreased resident service and quality of life. The Village also recognizes that large increases to property taxes are not desirable. In order to meet all of these objectives, the Village designed a funding plan.

This plan uses a combination of reserves on hand, tax levy, and debt service. Reserves on hand were derived from the North Shore Fire Department Asset Sale Fund, the Capital Improvement Fund, and the Equipment Replacement Fund, which have now been combined into the Capital Improvement Fund.

Important Note

Under the 2016-2018 state budget, 2013 Wisconsin Act 20, a municipality is allowed to increase its levy over the amount it levied in the prior year by the percentage increase in equalized value from net new construction. If no new construction occurs in the community, then the allowable levy increase is zero percent. Given the fact Brown Deer has had very little net new construction we must assume a zero percent increase. The cost of providing services in the Village increased due to the following factors:

Inflation – materials, equipment, and services.

Benefits – health, pension, and insurance.

Wages – keeping competitive

Service Demands – citizens ask for more or high service levels.

Unfunded Mandates – federal or state requirements.

These factors and the levy limit freeze may cause the village to increase the amount it borrows in future years. We may need to redirect the levy funds set aside for capital projects back into the general fund causing us to increase the amount we borrow. This needs to be monitored very carefully.

Borrowing Needs

In order to complete the five-year plan, the Village determined the long-term borrowing needs for debt financed projects. The Village would plan to borrow bi-annually to fund the projects through the year 2025. The plan assumes that debt financed projects would average approximately \$1,000,000 per year and continue with a bi-annual debt issue. Sample debt repayment schedules are included.

Because the funding for capital purchases comes from current capital tax levy, future debt service available levy, reserves on hand and future borrowings, it is desirable to see how all these parts come together with all of the projected asset purchases.

Policy Management

The Village's general obligation debt, under State of Wisconsin statutes, is capped at 5% of the Village's equalized value; as of December 31, 2019, the Village's total general obligation debt was at \$32,456,355. The Village's internal debt management policy intends to keep debt within 40% of the limit prescribed by law and total outstanding general obligation debt within 75% of the limit prescribed by law and at levels consistent with the Village's credit objectives and long-term financial. The Village's debt policy also restricts the debt service levy to less than 25% of the total operating revenue. The village will keep the maturity of all outstanding general obligation bonds at or below 20 years. Based on the proposed

**Village of Brown Deer
Five Year Capital Plan**

2021 - 2025

borrowings and repayment schedules the Village will be in compliance with these policies. The Village's debt management and capital asset policies are included in the appendices.

Project Description	Project Number	2020 Project Requests	GO Debt	Property Tax Levy	Grants	Remaining Balance
Available Funds			\$4,261,262	\$372,000	\$11,000	
Community Services						
Crack sealing		\$20,000	\$20,000			\$0
Re-Paving Program		\$500,000	\$500,000			\$0
Police Department						
Police Vehicles		\$105,000		\$105,000		\$0
Police Equipment		\$20,000		\$20,000		\$0
Fire Department						
Annual contribution for capital		\$211,262	\$211,262			\$0
Dispatch Center						
Annual contribution for capital		\$30,000	\$30,000			\$0
Manager's Office						
Computer replacement program		\$12,000		\$12,000		\$0
Computer Servers and Software		\$69,500		\$69,500		\$0
Window & Door Replacement (101)		\$5,500		\$5,500		\$5,500
Window Replacement (Village Hall)		\$25,000		\$25,000		\$25,000
LED Light Replacement (Village Hall)		\$15,000		\$15,000		\$8,115
Boiler Replacement		\$50,000		\$50,000		\$50,000
Total						
Total Manager's Office		\$177,000		\$177,000		\$88,615
Park and Recreation						
Pond Chaise Lounges and Umbrella		\$5,000			\$5,000	\$0
Park Trash Can Replacement		\$6,000			\$6,000	\$0
Library						
New Library		\$3,500,000	\$3,500,000			\$0
Public Works						
3/4 Ton Patrol Truck (Truck # 74)		\$40,000		\$40,000		\$0
Shop Tools & Equipment		\$10,000		\$10,000		\$0
Emerald Ash Borer Treatment		\$20,000		\$20,000		\$0

Remaining projects in 2020

New Website	\$37,620
Boiler Replacment	\$50,000
Total:	\$87,620

Project Description	Project Number	2021 Total Project Cost	GO Debt	Property Tax Levy	Grants	Unfunded Requests
Available Funds			\$938,137	\$372,000	\$0	
Community Services						
Crack sealing		\$20,000	\$20,000			
Re-Paving Program		\$500,000	\$500,000			
Original Village Improvements		\$500,000	\$170,533			\$329,467
Sidewalk Connection		\$225,000				\$225,000
Police Department						
Police Vehicles		\$140,000		\$140,000		
Police Equipment		\$15,000		\$15,000		
Portable Radios		\$30,000		\$30,000		
Lower Level Remodel		\$35,000		\$35,000		
Sally Port Floor Recoat		\$7,000		\$7,000		
Fire Department						
Annual contribution for capital		\$212,604	\$212,604			
Dispatch Center						
Annual contribution for capital		\$35,000	\$35,000			
Manager's Office						
Computer replacement program		\$14,000		\$14,000		
Window Replacement		\$25,000		\$25,000		
Window & Door Replacement (101)		\$6,000		\$6,000		
Badger Books for Voting		\$25,000		\$25,000		
Comprehensive Plan Update		\$25,000		\$25,000		
Library						
		\$0				
Park and Recreation						
		\$0		\$0		
Public Works						
Beautification Projects		\$10,000		\$10,000		
Shop Tools & Equipment		\$15,000		\$15,000		
Emerald Ash Borer Treatment		\$25,000		\$25,000		
Total						
		\$1,864,604	\$938,137	\$372,000	\$0	\$554,467
Balance						
			\$0	\$0	\$0	

Project Description	Project Number	2022 Total Project Cost	GO Debt	Property Tax Levy	Grants	Unfunded Requests
Available Funds			\$3,273,000	\$372,000		
Community Services						
Cracksealing		\$20,000	\$20,000			
Re-Paving Program		\$500,000	\$500,000			
WisDOT Roundabout		\$600,000				\$600,000
Green Bay / Brown Deer Streetscape		\$2,500,000	\$2,500,000			
Police Department						
Police Vehicles		\$110,000		\$110,000		
Portable Radios		\$30,000		\$30,000		
Police Equipment		\$50,000		\$50,000		
Fire Department						
Annual contribution for capital		\$214,000	\$214,000			
Dispatch Center						
Annual contribution for capital		\$39,000	\$39,000			
Manager's Office						
Window Replacement		\$25,000		\$25,000		
Computer replacement program		\$12,000		\$12,000		
Library						
		\$0				
Park and Recreation						
Wibit Play Structure for Pond		\$65,000		\$65,000		
Public Works						
3/4 Ton Patrol Truck No. 73		\$40,000		\$40,000		
Beautification Projects		\$5,000				\$5,000
Shop Tools & Equipment		\$15,000		\$15,000		
Emerald Ash Borer Treatment		\$25,000		\$25,000		
Total						
		\$4,250,000	\$3,273,000	\$372,000	\$0	\$605,000
Balance						
			\$0	\$0	\$0	

Project Description	Project Number	2023 Total Project Cost	GO Debt	Property Tax Levy	Grants	Unfunded Requests
Available Funds			\$1,308,000	\$372,000		
Community Services						
Cracksealing		\$20,000	\$20,000			
Bradley East - RR tracks to Green Bay		\$500,000	\$500,000			
Re-Paving Program		\$500,000	\$500,000			
W. County Line Reconstruction		\$30,000	\$30,000			
Police Department						
Police Vehicles		\$145,000		\$145,000		
Portable Radios		\$30,000		\$30,000		
Police Equipment		\$35,000		\$35,000		
Fire Department						
Annual contribution for capital		\$216,000	\$216,000			
Dispatch Center						
Annual contribution for capital		\$42,000	\$42,000			
Manager's Office						
Window Replacement		\$15,000		\$15,000		
Computer replacement program		\$12,000		\$12,000		
Library						
		\$0				
Park and Recreation						
Public Works						
5yd Patrol Truck Replacment No. 78		\$105,000		\$105,000		
Beautification Projects		\$5,000				\$5,000
Shop Tools & Equipment		\$15,000		\$10,000		\$5,000
Emerald Ash Borer Treatment		\$25,000		\$20,000		\$5,000
Total						
		\$1,695,000	\$1,308,000	\$372,000	\$0	\$15,000
Balance						
			\$0	\$0	\$0	

Project Description	Project Number	2024 Total Project Cost	GO Debt	Property Tax Levy	Grants	Unfunded Requests
Available Funds			\$1,078,000	\$372,000		
Community Services						
Cracksealing		\$20,000	\$20,000			
Re-Paving Program		\$500,000	\$500,000			
County Line Road (Joint project)		\$300,000	\$300,000			
Police Department						
Police Vehicles		\$115,000		\$115,000		
Portable Radios		\$30,000		\$30,000		
Police Equipment		\$20,000		\$20,000		
Fire Department						
Annual contribution for capital		\$216,000	\$216,000			
Dispatch Center						
Annual contribution for capital		\$42,000	\$42,000			
Manager's Office						
Window Replacement		\$15,000		\$15,000		
Computer replacement program		\$12,000		\$12,000		
Library						
		\$0				
Park and Recreation						
Public Works						
5yd Patrol Truck Replacment No. 77		\$105,000		\$105,000		
Beautification Projects		\$5,000		\$5,000		
Shop Tools & Equipment		\$15,000		\$15,000		
Emerald Ash Borer Treatment		\$25,000		\$25,000		
Total						
		\$1,420,000	\$1,078,000	\$342,000	\$0	\$0
Balance						
			\$0	\$30,000	\$0	

Project Description	Project Number	2025 Total Project Cost	GO Debt	Property Tax Levy	Grants	Unfunded Requests
Available Funds			\$778,000	\$372,000		
Community Services						
Cracksealing		\$20,000	\$20,000			
Re-Paving Program		\$500,000	\$500,000			
Police Department						
Police Vehicles		\$115,000		\$115,000		
Portable Radios		\$30,000		\$30,000		
Police Equipment		\$20,000		\$20,000		
Fire Department						
Annual contribution for capital		\$216,000	\$216,000			
Dispatch Center						
Annual contribution for capital		\$42,000	\$42,000			
Manager's Office						
Window Replacement		\$15,000		\$15,000		
Computer replacement program		\$12,000		\$12,000		
Library						
		\$0				
Park and Recreation						
Public Works						
Bucket Truck		\$110,000		\$110,000		
Beautification Projects		\$5,000		\$5,000		
Shop Tools & Equipment		\$15,000		\$15,000		
Emerald Ash Borer Treatment		\$25,000		\$25,000		
Total						
		\$1,125,000	\$778,000	\$347,000	\$0	\$0
Balance						
			\$0	\$25,000	\$0	

Community Development Projects

FY 2021-2025 Capital Improvement Plan

Project Description

Project #: CSD **Department:** Community Services

Project Name: Comprehensive Plan Update

Total Project Cost: \$25,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$25,000	\$	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Hire a consultant to help facilitate a review of the existing plan and targeted update to relevant sections. Consultant would also help to coordinate public involvement efforts and community outreach to reach consensus on new recommendations and goals.

Project Justification: The Village’s comprehensive plan was completed in 2009 with a \$100,000 capital outlay over the course of 18 months. The plan created a great roadmap for the community and one that Staff has used consistently to guide policy. In fact many of the goals in the plan have been achieved. However, because of the large amount of change witnessed in the community, it would make sense to revisit the plan and address the changes and set new goals. In addition, WI State Statutes require a plan be “updated” every 10 years but it does not define what the “update” entails.

FY 2021-2025 Capital Improvement Plan Project Description

Project #: CSD **Department:** Community Services

Project Name: Teutonia/Sherman sidewalk connection

Total Project Cost: \$225,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

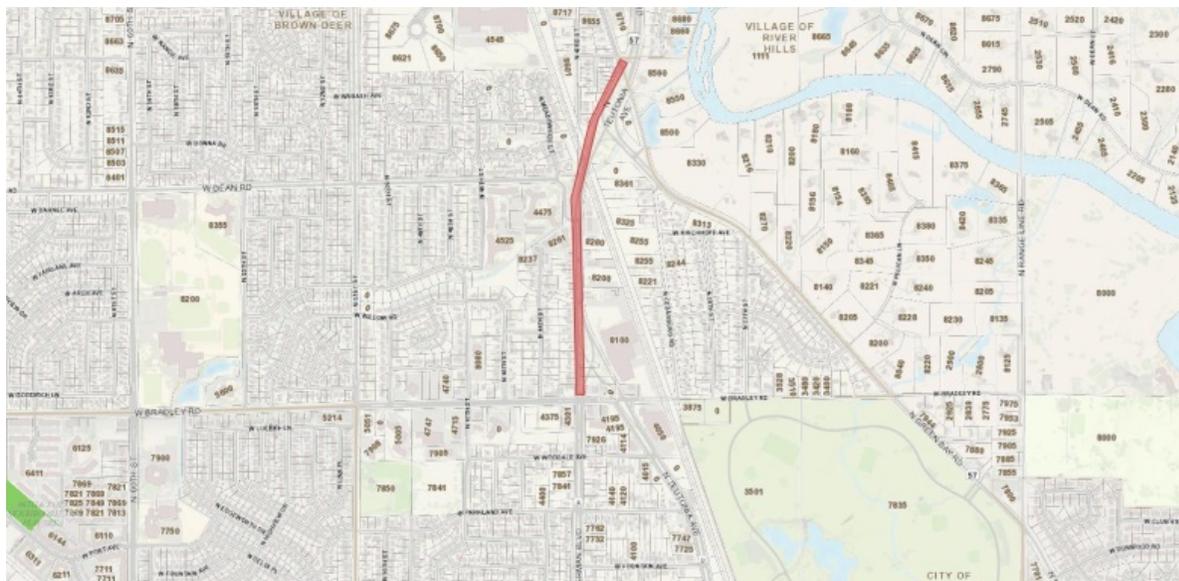
Year Budget	2021	2022	2023	2024	2025
	\$225,000	\$	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: This proposal would help to complete a significant gap in the existing pedestrian network by installing new sidewalk section along Teutonia Avenue/Sherman Blvd. from Ruth Place to Bradley Road. This effort is consistent with the Village Board approved sidewalk improvement plan.

Project Justification: Brown Deer’s system of sidewalks is disjointed and inconsistent. By filling in the gaps in this network resident mobility and safety will be significantly improved. Furthermore, the sidewalk extensions will help to promote economic development by more readily connecting consumers with area businesses. Other current gaps in the network will be addressed by the Wisconsin Department of Transportation projects along Green Bay and Brown Deer Roads in 2021 and 2023 respectively.

Project Picture / Map:



Police Department Projects

FY 2021-2025 Capital Improvement Plan Project Description

Project #: 21-4 **Department:** Building Maintenance /VILLAGE

Project Name: POLICE PORTABLE RADIO PURCHASE

Total Project Cost: \$150,000 **Estimated Life of Project:** 5 YEARS

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	30,000	30,000	30,000	30,000	30,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Motorola APX Portable Radios

Project Justification: We currently have 24 radios with an end of life projection of 2021 and 10 radios with an end of life of 2025. Average life expectancy for portable radios is 10 years. Several of the radios purchased in 2011 have components that are becoming worn and inoperable. Each portable radio has a cost of \$4,250 which includes programming and upgrade charges. Portable radios are a necessity for law enforcement communications and officer safety.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: 21- 05 **Department:** Building Maintenance /VILLAGE

Project Name: POLICE SALLY PORT FLOOR RECOAT

Total Project Cost: \$7,000 **Estimated Life of Project:** 1 YEARS

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	7,000	0	0	0	0

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Police sally port concrete repair and epoxy coating.

Project Justification: Recoat deteriorating sally port floor. To extend the life and repair damage to the police department’s sally port floor, it is recommended that the current surface is ground off, mend any damaged concrete and sealed with Epoxy coating. Repairs will ensure a durable non slip surface where prisoners are transferred from police squads to booking room.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: 21-01 **Department:** POLICE/VILLAGE

Project Name: POLICE VEHICLE REPLACEMENT

Total Project Cost: \$140,000 **Estimated Life of Project:** FIVE YEARS

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	140,000	110,000	145,000	115,000	150,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Police squad car replacement-purchase two marked Ford Interceptor SUV’s and related equipment.

Project Justification: Replacement of the squads is part of the regular rotation due to mileage, use, technology and equipment updates and changes. The two patrol vehicles will require new cages and center consoles to fit Fords 2020 body design changes. The third vehicle will be used as an administrative unmarked vehicle and will need minimal emergency lighting and no graphics.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: PD-21-3 **Department:** POLICE/VILLAGE

Project Name: PUBLIC SAFETY ENHANCEMENT

Total Project Cost: 15,000.00 **Estimated Life of Project:** FIVE YEARS

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$15,000	\$35,000	\$20,000	\$35,000	\$20,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Purchase Body Armor for Officers (6), Half Shell Motorcycle Helmets (4), Tasers (5).

Project Justification: As part of the bullet resistant vest replacement program, six officer vests are scheduled to be replaced due to their end of effective service life (five years) \$6,000. Currently we have 5 taser units that require replacement due to broken LED screens and end of life of (five years) \$6,000. Purchase 4 half shell motorcycle helmets and ear speakers \$3,000 to replace aged and outdated current 3/4 helmets.

Project Picture / Map:



FY 2020-2024 Capital Improvement Plan Project Description

Project #: PD 21-02 **Department:** POLICE/VILLAGE

Project Name: Lower Level Remodel

Total Project Cost: \$35,000

Expenditure Detail:

Year Budget	2021	2022	2023	2024	2025
	\$35,000	\$0	\$0	\$0	\$0

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Funds will be used to complete remodeling and furnishing areas not originally included in the original 2019 DPW/Village Hall remodeling project. Included in this would be painting and carpet removal and replacement in the old recreation department (\$15,000), furniture/office equipment (\$10,000), matting for DAAT training room (\$5,000), and electrical work (\$5,000).

Project Justification: The lower level of the Police Department was not designed for police operations. This remodel will update the lower level for use by the investigative bureau and allow DAAT training to be held locally. Furnishing interview rooms will provide a comfortable environment for victim/witness interviews.

Project Picture / Map:



Manager's Office Projects

FY 2021-2025 Capital Improvement Plan

Project Description

Project #: CSD **Department:** Manager's Office

Project Name: Electronic Poll Book for Voting

Total Project Cost: \$25,000 **Estimated Life of Project:** 5-years

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$25,000	\$	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Wisconsin Elections Commission staff developed an electronic poll book system to be used in polling places in Wisconsin on Election Day. The "Badger Book" is electronic poll book software that is specific to Wisconsin elections practices and statutes. The Badger Book is the only electronic poll book software created with direct WisVote integration.

Project Justification: The Badger Book is primarily used to check in voters, process absentee ballots, and register a voters on Election Day. The Badger Book maintains the voter number and count independent of poll worker input. Each process was chosen and designed based on feedback provided by clerks and poll workers from across the state. After Election Day, a data file generated from the Badger Book is used to upload election participation and Election Day Registration information into WisVote.

FY 2021-2025 Capital Improvement Plan Project Description

Project #: **Department:** Manager's Office

Project Name: New Window & Door Frame Replacement

Total Project Cost: \$6,000

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$6,000				

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The window and door frame connected to room 101 needs to be replaced.

Project Justification: The window and door frame is deteriorating from rust.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: **Department:** Manager's Office

Project Name: Computer Replacement

Total Project Cost: \$14,000 for 2021 and \$12,000 per year after

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	14,000	12,000	12,000	12,000	12,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Typically four computers are replaced with the remaining funds going to any software or other upgrades that may be appropriate with the new PC, for example; key boards, mice, monitors, etc. The monetary breakdown would be \$7,000 for Village Hall and DPW and \$5,000 for the Police Department. An additional \$2,000 has been budgeted for computer switch replacements in 2021

Project Justification: The workstations must be updated to ensure they remain in proper working order and to address changes in technology. The program replaces and upgrades aging computer workstation as they become out of date

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: **Department:** Manager’s Office

Project Name: Window Replacement

Total Project Cost: \$75,000

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	25,000	25,000	25,000		

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The windows need to be replaced in the police department, health department, inspection department, water department, and engineering department.

Project Justification: The windows are leaking in between the glass and are less energy efficient.

Project Picture / Map:



Park
And
Recreation
Projects

FY 2021-2025 Capital Improvement Plan Project Description

Project #: PR 22-01 **Department:** Park and Recreation

Project Name: Inflatable water park (Wibit)

Total Project Cost: \$65,000.00

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget		65,000			

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Wibit is a inflatable water products. More than 23 years ago, they started the evolution of waterplay and completely changed the way people play on the water.

Project Justification: Looking for ways to revitalize and increase visitor numbers at the pone with Wibit’s interlocking combinations and transform the pond into a water adventure for all ages. The inflatable obstacle courses are easy to set up and offer a healthy, fun way of exercise for youngsters, teenagers, and adults alike. Wibit offers something for everyone!

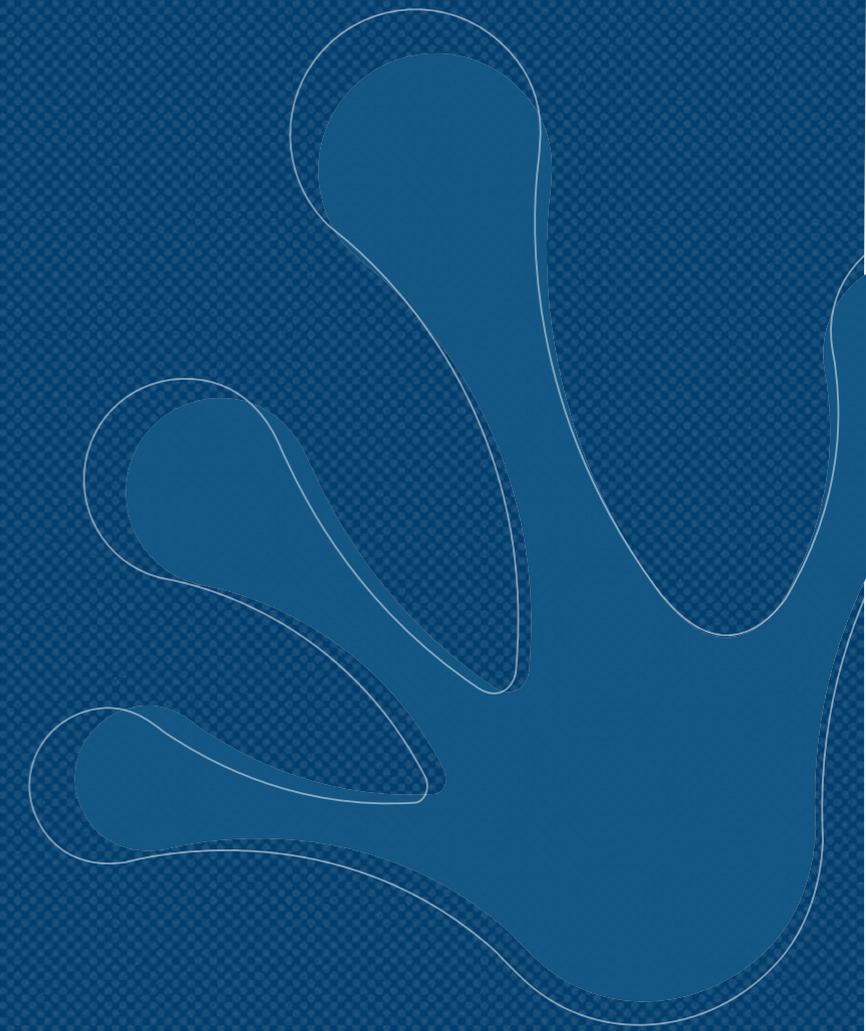
Project Picture / Map:





YOUR PARTNER,
FOR HAPPINESS.

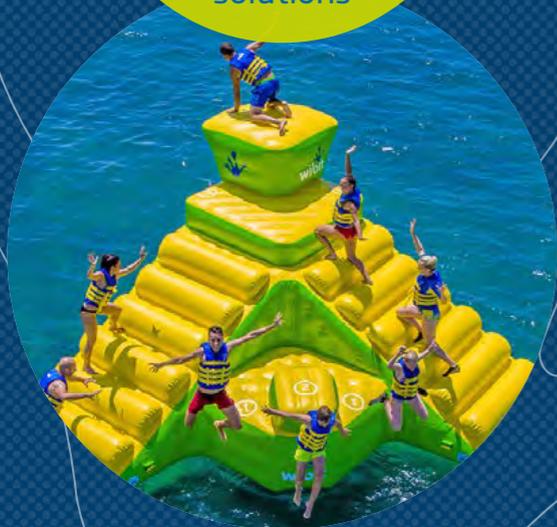
Welcome to the world's leading
floating water park brand



Who are we?

Innovative thinking

new ideas and constant improvements for optimal solutions



Doing it right

we never compromise on safety and quality



Reliable business partner

we keep our promises



Make people happy
+ 50 MIO



What have we done?

23
YEARS
EXPERIENCE



100
COUNTRIES



+600
INSTALLATIONS



**WORLD'S
LARGEST
INFLATABLE
AQUA PARK**



**AQUA DREAMLAND
GILIMANUK, BALI**

Why we are
No.1

Our expertise is your success before the season ...



Professional consulting

Exposure to wind & waves

Specific anchor plans

Detailed installation manual



Custom equipment

Lifting bags

Anchor chain

Tool box

WibitBoat



Professional installation

Onsite

Service

Tips & tricks

... during the season ...

Quality equipment



BeachTent

Buoyancy aids

Staff uniforms

Guidelines & trainings



Life-guarding

Handling in storms

Ticketing

Safe operation every product TÜV approved



Professional marketing



Custom colors & logos

Location signage

Advertising templates

... and after the season

3
year
guarantee



Professional
maintenance



Guidelines
& trainings



Always
in stock



Service

Tips &
tricks

Video
support

Repair
service

Inflatables

Equipment

Spare
parts

Equipment

Cleaning
& repairs

Folding
& storage

The unique Wibit systems



Route Finder

different levels for
different ages
and abilities



Infinity Loops

avoids
bottlenecks



Guard positions

optimal position
for the best
overview



Modular system

for tailor-made
SportsParks and
easy expansion



SUS

our innovative
step up system
makes it easy
to climb up



we love it

Expansion made easy

Want to start small, see how it goes and expand at a later stage? The Wibit modular system and the permanent product stock allow for quick and easy expansion - even in the middle of the season!



"Since beginning our journey with Wibit in 2015, we have increased the size of our SportsPark every year. This has ensured the return of many customers as each year, new modules have added extra fun and variety to our park. Our expansion will continue into the future as Wibit keep evolving and improving. Wibit seem to have the same business ethos as ourselves, 'Strive to be at the forefront with safety, fun and innovation'."

BEN JURY | NEW FOREST AQUA PARK, UK



YEAR 1



YEAR 2



YEAR 3



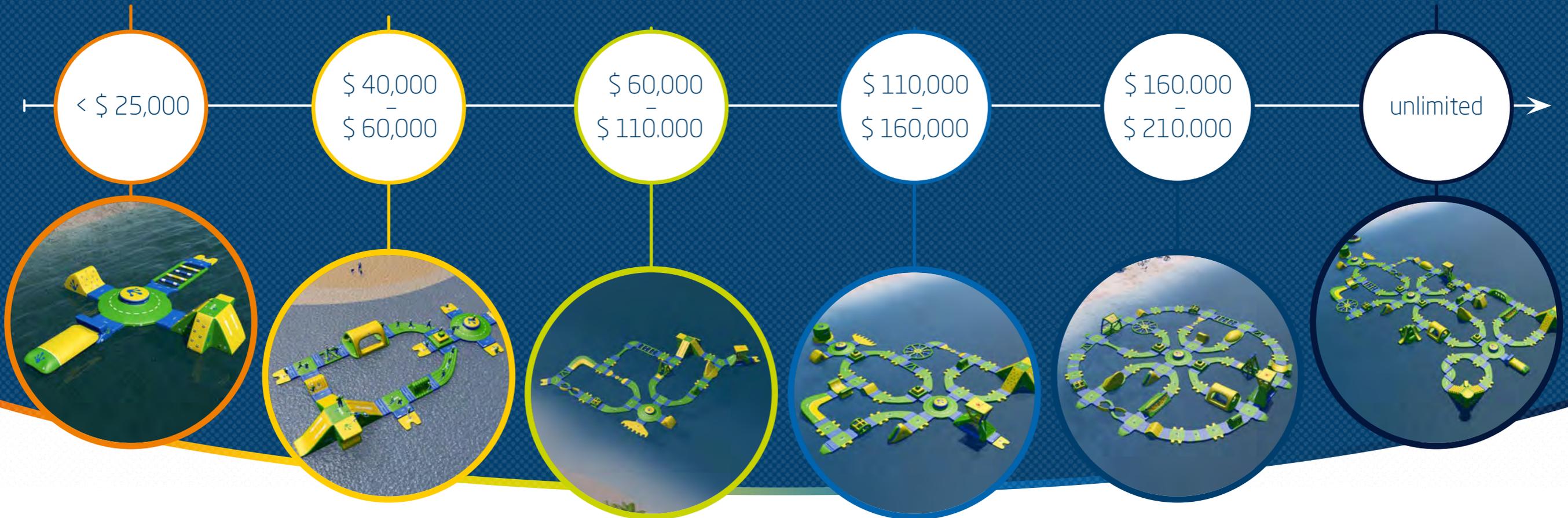
YEAR 4

R E C O N F I G U R E A T A N Y T I M E

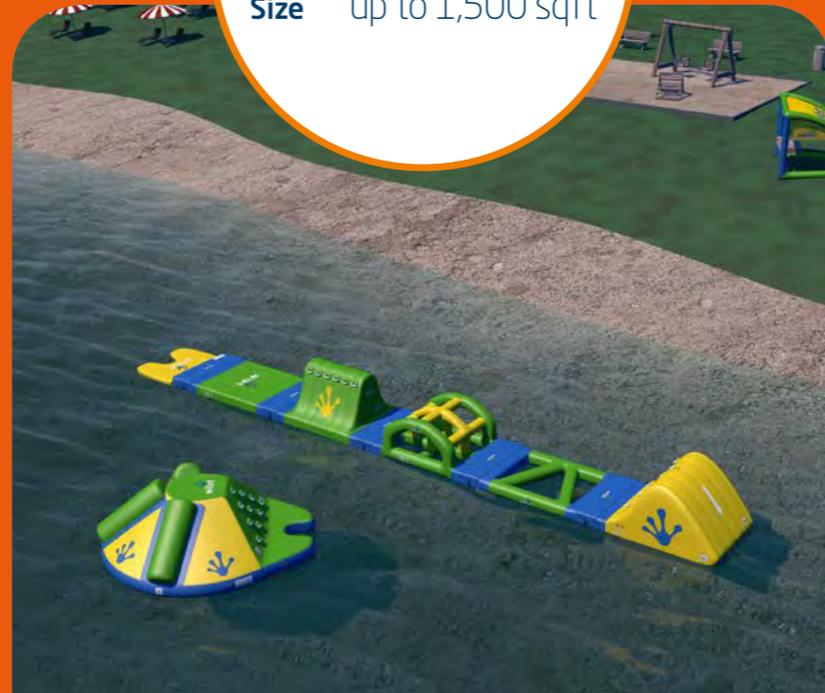
What
range
are you in?

Tailor-made for every location

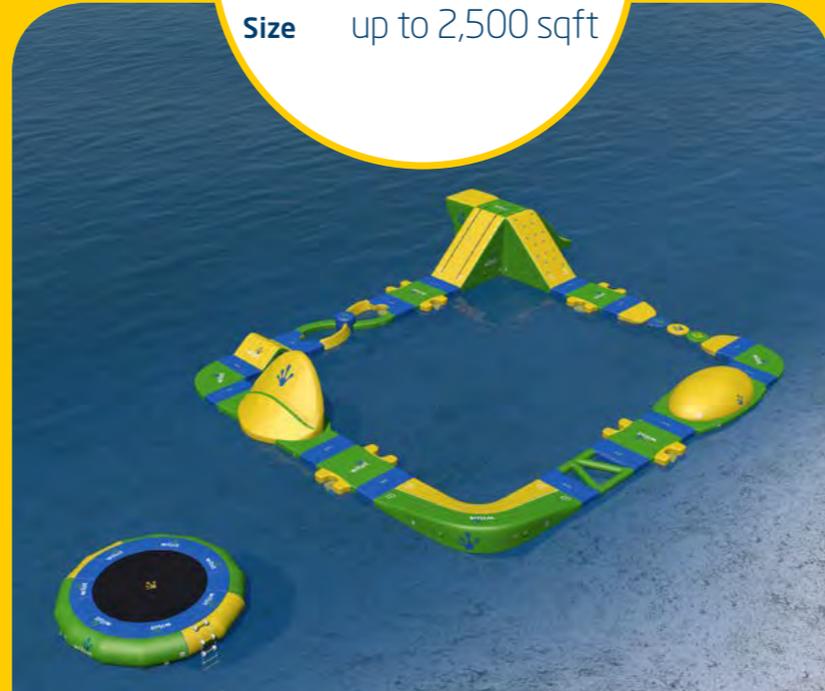
The ideal SportsPark should fit your location, dimensions and budget like a glove. Thanks to the modularity of our products and more than 20 parameters being taken into consideration during the SportsPark creation process, our experts are able to create a layout tailored to your specific location and needs. Do you want to entertain 20 or 200 people at the same time? Start small and expand later on? Or start big from the very beginning to increase the attraction of your location? Possibilities are endless...



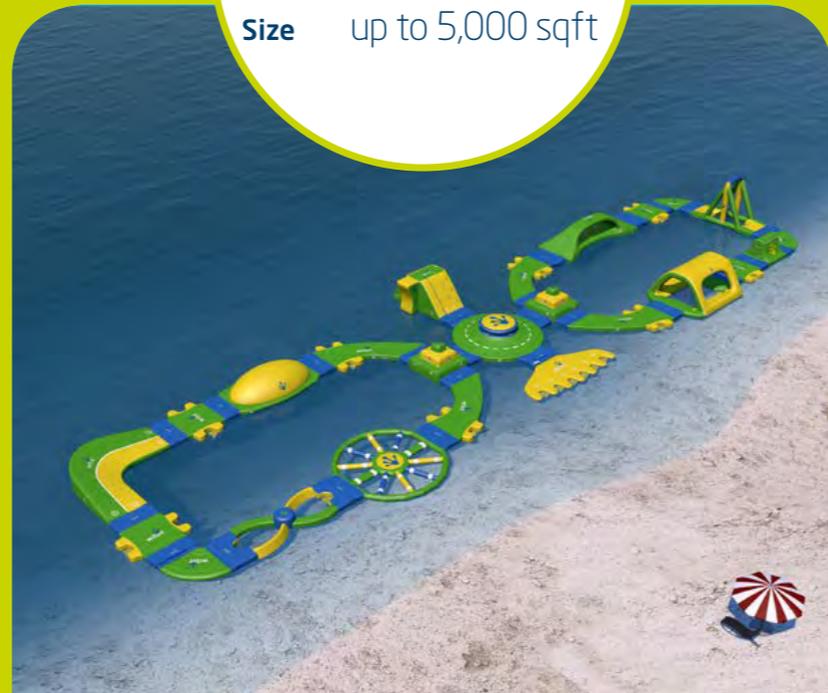
Range < \$ 25,000
Capacity 10 to 20
Size up to 1,500 sqft



Range \$ 40,000
- \$ 60,000
Capacity 30 to 50
Size up to 2,500 sqft



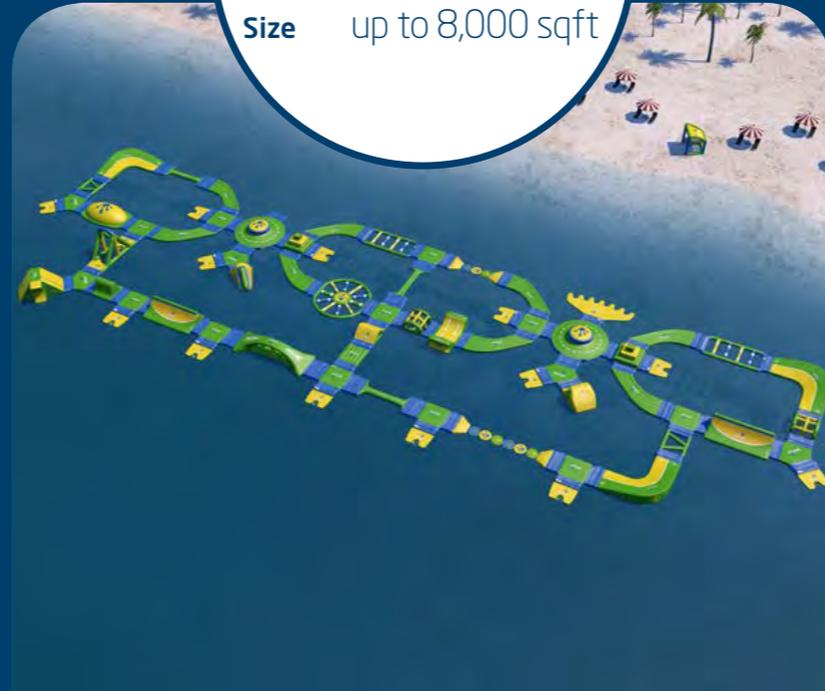
Range \$ 60,000
- \$ 110,000
Capacity 50 to 90
Size up to 5,000 sqft



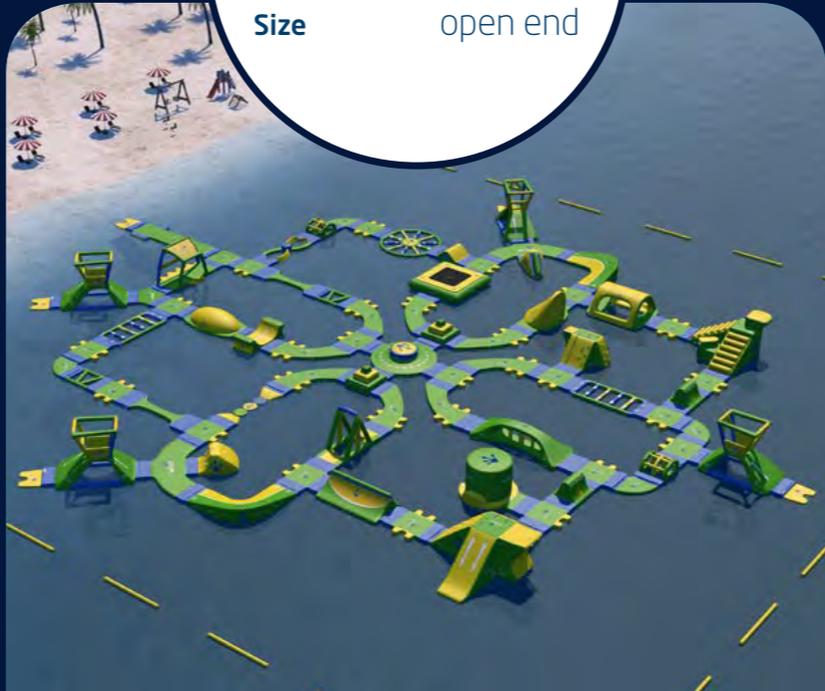
Range \$ 110,000
- \$ 160,000
Capacity 90 to 130
Size up to 6,000 sqft



Range \$ 160,000
- \$ 210,000
Capacity 130 to 170
Size up to 8,000 sqft



Range \$ 210,000
- open end
Capacity open end
Size open end





T A I L O R M A D E S I N C E 1 9 9 6

Want to entertain a new
target group?

Finally something for the little ones!

With our newest innovation for kids you are now able to enlarge your target group and create more happy faces even among the youngest fun-seekers!

NEW

AGE

4+



Easy
obstacles
for young kids at
maximum fun



Easy
to climb
with our
step up system

SUS



Specially
developed
for swimmers
with a height of
39 - 59 inch



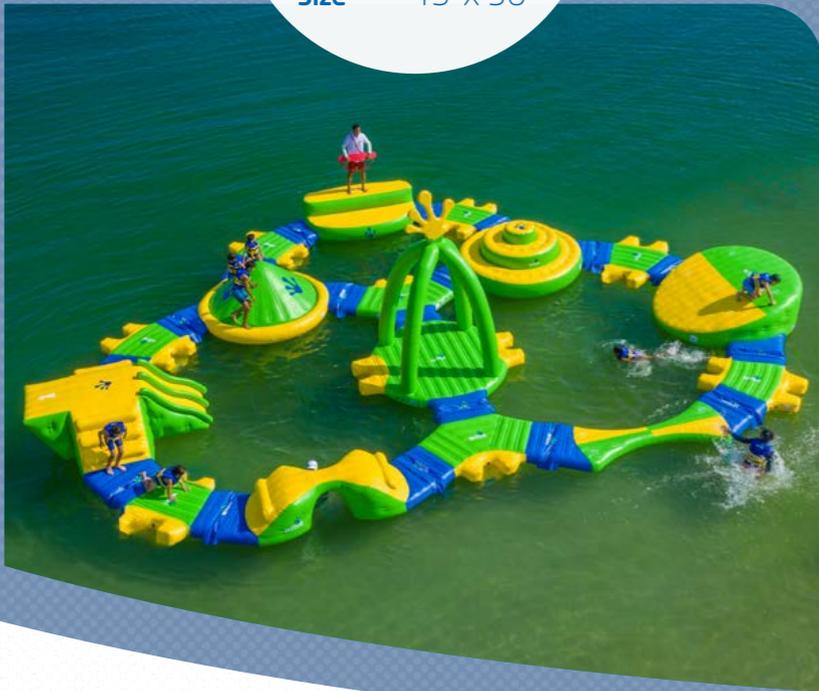
Easy
and safe
Safety guaranteed:
TÜV certified,
easy handling



Proven winner combinations

KidsCircuit

Price \$ 38,520
Waterdepth min. 4'-5"
Capacity up to 30
Size 49' x 36'



KidsCourse

Price \$ 33,825
Waterdepth min. 4'-5"
Capacity up to 25
Size 52' x 31'

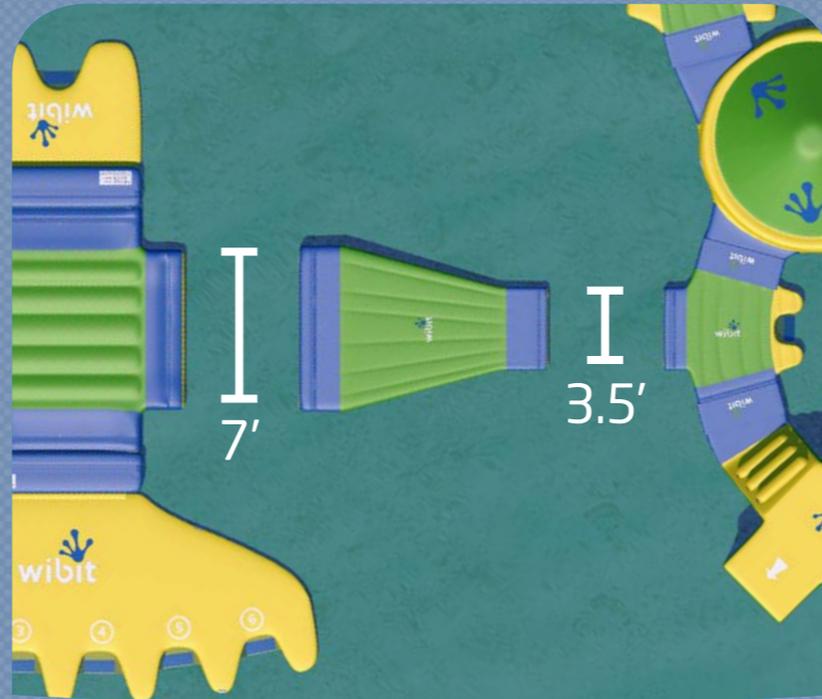


Includes
free bungees,
installation equipment,
accessories kit, life
jackets, buoyancy
aids, KidsScale

Easy connection

Wibit Kids products are half the width of standard Wibit products. Kids products can be connected to a normal Wibit SportsPark using the Connector product.

Shallow water



Connector



THE CONNECTION TO OUR WIBIT SPORTSPARKS

Success stories

"From conception to installation, Wibit are by far the only aquapark company that we would work with. As a busy commercial operator, we rely on our suppliers to deal quickly and efficiently with orders and advice, and Wibit are as reliable as you will get! We would recommend Wibit without hesitation for anyone considering starting a new business, or as an add on to an existing sporting organisation."

KAREN HARRIS | DUNMORE ADVENTURE PARK, UK

"My old water park had these huge 5 m obstacles and I was worried that the Wibit SportsPark might not be as

attractive, especially for the teenagers. But not only has the number of accidents decreased but also my numbers have gone up. And the number of returning customers during the season has increased considerably this summer."

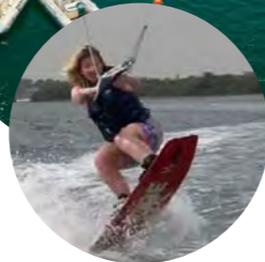
STUART MARSTON, CEO | LIQUID LEISURE, UK

"My Wibit Sports Park is shaped and colored like the official Dubai tourism logo and it floats on the water which makes it unique even in this city!"

AHMED BEN CHAIBAH | AQUAFUN DUBAI



KAREN HARRIS



STUART MARSTON



AHMED BEN CHAIBAH



Ready to make your customers happy?

To start, simply let us know:

- your range
- your location coordinates
- your water depth and dimensions

Get your personal offer

+49 (0) 2871 23820-0
sales@wibitsports.com



www.wibitsports.com

Wibit Sports GmbH | Am Gut Baarking 15 | 46395 Bocholt, Germany

**Department
Of
Public
Works
Projects**

FY 2021-2025 Capital Improvement Plan

Project Description

Project #: DPW/21-01 **Department:** Public Works

Project Name: Original Village Roadway Improvements

Total Project Cost: 600,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

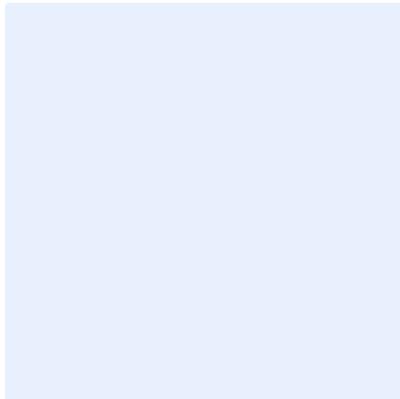
Year	2021	2022	2023	2024	2025
Budget	\$500,000	\$	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: As part of the F-Street proposed project at the old DPW site and the Fiduciary “Bevy” apartment complex project along N. Deerwood Drive several roadway modification and sidewalk connections are necessary. Sidewalk will be extended on N. 43rd Street to River Lane and Ruth Place. Angle parking will be extended to the south (Peabody’s) along the west side on Deerwood Drive. The roadways will also be milled and overlaid.

Project Justification: Parking & Sidewalk Improvements w/ Private Development.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: DPW/21-25/A **Department:** Public Works

Project Name: All Shop Tools & Equipment

Total Project Cost: \$15,000 **Estimated Life of Project:** 10-years

Expenditure Detail:

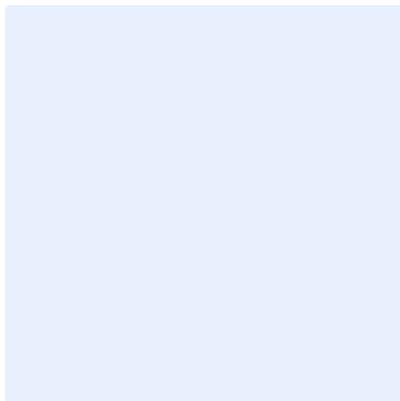
Year	2021	2022	2023	2024	2025
Budget	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: General small shop tools and shop equipment for purchase/replacement in 2021 through 2025 includes: Power Drills, Snow Blower, and Miscellaneous Shop Equipment.

Project Justification: The equipment is requested for replacement of aging existing equipment. The existing equipment is outdated and in some cases non-functional. Maintenance costs are exceeding the costs of replacement.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: DPW/21-25 **Department:** Public Works/Engineering

Project Name: Cracksealing

Total Project Cost: \$20,000 **Estimated Life of Project:** 7 years

Expenditure Detail:

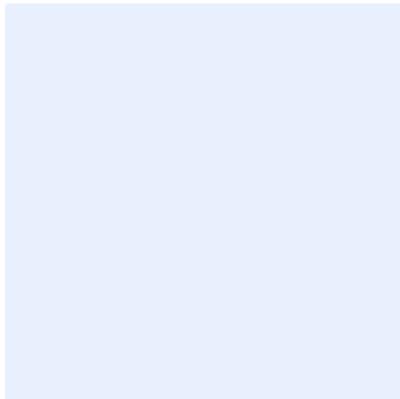
Year	2021	2022	2023	2024	2025
Budget	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: As part of the Village’s annual street repaving program we also seek to crackseal streets throughout the Village in order to help extend the useful life of the roadway surface. The cracksealing takes place on many streets throughout the Village as determined based on roadway ratings monitored by Engineering Staff.

Project Justification: Cracksealing is done to help preserve the life of asphalt roadways so that it does not need to be repaved as often.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: DPW/21-25/C **Department:** Public Works

Project Name: Emerald Ash Borer (EAB) Treatment

Total Project Cost: \$50,000 (\$25K Grants) **Estimated Life of Project:** 2-year

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Emerald Ash Borer (EAB) has been detected and is present within the Village. In order to preserve the existing ash tree canopy DPW will be administering trunk injected chemical treatments throughout the Village’s ash tree population. The chemical treatments are administered on a 2-year cycle. Village roadways with a large ash tree population (i.e. W. Pierner Place) will be given priority. DPW will apply for Urban Forestry Grants (UFG) from the WDNR to help offset costs. The UFGs participates \$25,000 matching funds towards the project. However, the grant is competitive. The Village has been successful in securing funding in 2013, 2014, and 2017.

The WDNR grant activities include, but are not limited to:

- Emerald Ash Borer (EAB) Survey & Treatment
- Tree Removal
- Tree Re-Planting
- Ordinance Revisions
- Public Education & Outreach

Project Justification: Save the existing ash tree canopy.

Project Picture / Map:

FY 2021-2025 Capital Improvement Plan Project Description

Project #: DPW/21-25/G **Department:** Public Works

Project Name: Re-Paving Program

Total Project Cost: 500,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: This Program addresses failing pavements that are primarily local residential streets that see mostly light traffic throughout the day. The rehabilitation consists of asphalt pulverization and asphalt relay. This method has served the Village well for approximately 20 years and produces a useful pavement life of about 30 years under normal conditions and proper maintenance by crack-sealing the pavement (separate CIP item).

Project Justification: Pavement replacement is essential to ensure safe passage of vehicles. Pavement replacement within the 30-year life cycle ensures greater costs are avoided at later dates due to deteriorated pavement structures.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: DPW/22/01 **Department:** Public Works

Project Name: ¾ Ton Patrol Truck 4x4 Pick-Up w/ Crew Cab Replacement (No. 73)

Total Project Cost: \$40,000 **Estimated Life of Project:** 13-years

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$	\$40,000	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: DPW is requesting a new ¾-ton 4x4 pick-up truck with crew cab and full bed/lift gate to replace the existing truck (Truck No. 73) due to age, rising maintenance costs, availability of parts, safety to public and driver. The vehicle will be purchased through the VALUE/State Contract. The expected life of the requested vehicle is 13-years. The vehicle is used daily in all operations. The age of item to be replaced is 17 years in 2022. The annual maintenance costs are \$1,000 + labor due to the poor condition. The existing vehicle will be auctioned using the State of Wisconsin surplus website. The estimated sold amount is \$15,000. The estimated cost of the new vehicle was determined from recent bid history for this type of equipment.

Project Justification: Multi-purpose pick-up truck used in all operations/divisions at DPW.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: DPW/22-01 **Department:** Public Works

Project Name: WisDOT Roundabout

Total Project Cost: 600,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

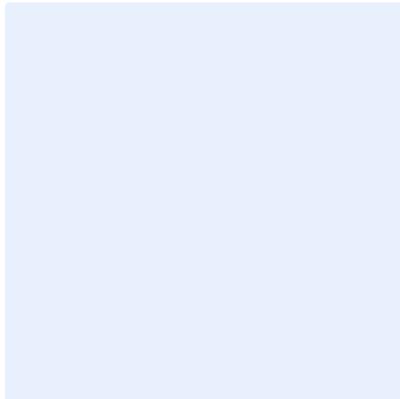
Year	2021	2022	2023	2024	2025
Budget	\$	\$600,000	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Roundabout as part of the WisDOT STH 57 reconstruction project. This is a cost sharing agreement with WisDOT (see separate WisDOT memo).

Project Justification: Speed reduction and geometric improvement.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: DPW/23/01 **Department:** Public Works

Project Name: 5YD Patrol Truck Replacement (No. 78)

Total Project Cost: \$175,000 **Estimated Life of Project:** 13-years

Expenditure Detail:

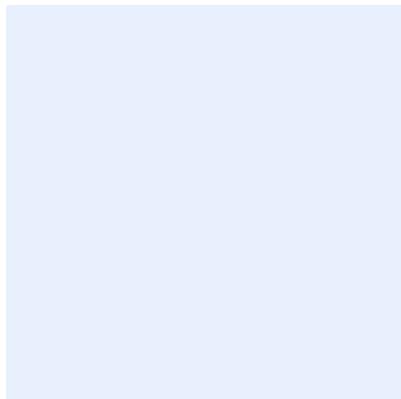
Year	2021	2022	2023	2024	2025
Budget	\$	\$	\$105,000	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The total cost for this item is \$175,000. 40% of the cost or \$70,000 will be funded by Stormwater fund because 40% of the use is in Stormwater. DPW is requesting a new 34,000 GVW, 5 yd. patrol truck with plow, wing, salter, controls, and radio to replace the existing unit (Truck No. 78) due to age, rising maintenance costs, availability of parts, safety to public and driver. The vehicle will be purchased through the VALUE/State Contract. The expected life of the requested vehicle is 13-years. The vehicle is used daily. The age of item to be replaced is 13 years in 2023. The annual maintenance costs are \$2,000 + labor due to the poor condition. The existing vehicle will be auctioned using the State of Wisconsin surplus website. The estimated sold amount is \$30,000. The estimated cost of the new vehicle was determined from recent bid history for this type of equipment.

Project Justification: Critical equipment for winter plowing operations and summer ditching operations.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: DPW/23-01 **Department:** Public Works

Project Name: Bradley Road (East) – RR Tracks. to N. Green Bay Road/STH 57

Total Project Cost: \$500,000 **Estimated Life of Project:** 25 years

Expenditure Detail:

Year Budget	2021	2022	2023	2024	2025
	\$	\$	\$500,000	\$	

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: This proposal calls for the pavement on W. Bradley Road to be replaced and ditching or curbing to be corrected/repared along the length of the project from RR tracks to N. Green Bay Road/STH 57. A paved shoulder along both sides of the road is being considered to help accommodate cyclists and those seeking to enter into Brown Deer Park. Also, as a part of the project the Village is seeking to replace a failing culvert that serves Brown Deer Park Creek and goes underneath the roadway near N. Green Bay Road.

Project Justification: This section of W. Bradley Road is starting to fail and is in need of repair. Additionally, the paved section of roadway is rather narrow for current volumes and adding a paved should provide some relief. The project shares a boundary with the City of Milwaukee and coordination will be required with the City. At this point the Village is expecting to cover all costs for this project as it falls under Village responsibility in a joint maintenance agreement with the City. Engineering and design would take place in 2019 led by the City of Milwaukee with construction in 2020.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: DPW/23/01 **Department:** Public Works

Project Name: 5YD Patrol Truck Replacement (No. 77)

Total Project Cost: \$175,000 **Estimated Life of Project:** 13-years

Expenditure Detail:

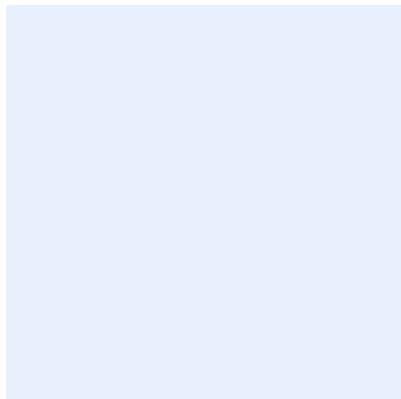
Year	2021	2022	2023	2024	2025
Budget	\$	\$	\$	\$105,000	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The total cost for this item is \$175,000. 40% of the cost or \$70,000 will be funded by Stormwater fund because 40% of the use is in Stormwater. DPW is requesting a new 34,000 GVW, 5 yd. patrol truck with plow, wing, salter, controls, and radio to replace the existing unit (Truck No. 77) due to age, rising maintenance costs, availability of parts, safety to public and driver. The vehicle will be purchased through the VALUE/State Contract. The expected life of the requested vehicle is 13-years. The vehicle is used daily. The age of item to be replaced is 13 years in 2023. The annual maintenance costs are \$2,000 + labor due to the poor condition. The existing vehicle will be auctioned using the State of Wisconsin surplus website. The estimated sold amount is \$30,000. The estimated cost of the new vehicle was determined from recent bid history for this type of equipment.

Project Justification: Critical equipment for winter plowing operations and summer ditching operations.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: DPW/25-02

Department: Public Works

Project Name: W. County Line Road Reconstruction (from RR Tracks to N. Green Bay Road/STH 57)

Total Project Cost: \$330,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$	\$	\$30,000	\$300,000	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: This proposal calls for the pavement on W. County Line Road from RR tracks/Oak Leaf Trail to N. Green Bay Road/STH 57 to be replaced in a joint project with the City of Mequon. The typical section will mirror the stretch of County Line to the west from N. 67th Street to the RR tracks. Mequon has agreed in principal to cost-share on this project, and to be the lead agency. This section of W. County Line Road is rated as “poor”. The City of Mequon has taken the initiative to design and bid this project. Because W. County Line Road is a border street (down the center) with Mequon for the entire length of this project, the costs for design and construction will be split in half (50/50).

Project Justification: Pavement replacement is essential to ensure safe passage of vehicles. Pavement replacement within the 30-year life cycle ensures greater costs are avoided at later dates due to deteriorated pavement structures.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: DPW/25/01 **Department:** Public Works

Project Name: Bucket Truck Replacement

Total Project Cost: \$110,000 **Estimated Life of Project:** 10-years

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$	\$	\$	\$	\$110,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: As the trees planted in the 1990’s continue to grow a small bucket truck is required for pruning. The department will still need to rent a larger bucket truck, but this will be diminished since the smaller truck can be used for the lower portions of large trees. The potential addition of banners on Bradley Road and the holiday wreaths in the Original Village requires the need for a small bucket or lift truck for installation, changes, removal and maintenance. DPW is requesting the purchase of a 1 ton + chassis with utility body and 30 foot bucket for tree trimming of small trees, maintenance of light fixtures and banners.

Project Justification: The bucket truck is an important piece of equipment used during forestry operations and used for banner/holiday decoration hanging.

Project Picture / Map:



Enterprise Funds Projects

Project Description	Project Number	2021 Total Project Cost	User Fees	Grants & Aids	Fund Balance	Debt
---------------------	----------------	-------------------------	-----------	---------------	--------------	------

Sewer Projects

Inflow/Infiltration Control	SAN/21/01	\$325,000	\$200,000			\$125,000
PPI&I	SAN/21/02	\$100,000		\$100,000		
Lateral Replacement (Coordinated Projects)	SAN/21/03	\$150,000				\$150,000
Sewer Total		\$575,000	\$200,000	\$100,000	\$0	\$275,000

StormWater Projects

Glendale Clinic Demolition	STM/21/01	\$2,080,000		\$2,080,000		
Brooklane Basin Naturalization	STM/21/02	\$25,000	\$25,000			
Churchill Basin Naturalization	STM/21/03	\$25,000	\$25,000			
Bradley Road Box Culvert	STM/21/04	\$25,000	\$25,000			
Ditch Rehabilitation Program	STM/21/05	\$200,000	\$200,000			
StormWater Total		\$200,000	\$200,000	\$0	\$0	\$0

Water Projects

Main Relays	WAT-001	\$325,000			\$175,000	\$150,000
Booster disinfection	WAT-005	\$5,000	\$5,000			
Water Meter Reading System Replacement	WAT-011	\$30,000	\$30,000			
Hydrants, Valve Services	WAT-015	\$30,000	\$30,000			
Water Total		\$390,000	\$65,000	\$0	\$175,000	\$150,000

Total Debt \$425,000

Project Description	Project Number	2022 Total Project Cost	User Fees	Grants & Aids	Fund Balance	Debt
---------------------	----------------	-------------------------	-----------	---------------	--------------	------

Sewer Projects

Inflow/Infiltration Control	SAN/22/01	\$325,000	\$200,000			\$125,000
PPI&I	SAN/22/02	\$100,000		\$100,000		
Lateral Replacement (Coordinated Projects)	SAN/22/03	\$150,000				\$150,000
Generator Replacement	SAN/22/04	\$40,000	\$40,000			
Sewer Total		\$615,000	\$240,000	\$100,000	\$0	\$275,000

StormWater Projects

Brook lane Basin Naturalization	STM/22/01	\$200,000				\$200,000
Topsoil Screener Replacement	STM/22/02	\$100,000	\$100,000			
Churchill Basin Naturalization	STM/22/03	\$200,000				\$200,000
Bradley Road Box Culvert	STM/22/04	\$175,000				\$175,000
Ditch Rehabilitation Program	STM/22/05	\$200,000	\$200,000			
StormWater Total		\$200,000	\$200,000	\$0	\$0	\$0

Water Projects

Main Relays	WAT-001	\$325,000			\$175,000	\$150,000
Water Standpipe Maintenance	WAT-004	\$700,000			\$700,000	
Booster disinfection	WAT-005	\$5,000	\$5,000			
Water Meter Reading System Replacement	WAT-011	\$30,000	\$30,000			
Hydrants, Valve Services	WAT-015	\$30,000	\$30,000			
Water Total		\$1,090,000	\$65,000	\$0	\$875,000	\$150,000

Total Debt \$425,000

Project Description	Project Number	2023 Total Project Cost	User Fees	Grants & Aids	Fund Balance	Debt
---------------------	----------------	-------------------------	-----------	---------------	--------------	------

Sewer Projects

Inflow/Infiltration Control	SAN/23/01	\$325,000	\$200,000			\$125,000
PPI&I	SAN/23/02	\$100,000		\$100,000		
Lateral Replacement (Coordinated Projects)	SAN/23/03	\$150,000				\$150,000
Sewer Total		\$575,000	\$200,000	\$100,000	\$0	\$275,000

StormWater Projects

Ditch Rehabilitation Program	STM/23/01	\$200,000	\$200,000			
5yd Patrol Truck Replacment No. 78	STM/23/01	\$70,000	\$70,000			
StormWater Total		\$200,000	\$200,000	\$0	\$0	\$0

Water Projects

Main Relays	WAT-001	\$200,000			\$100,000	\$100,000
Booster disinfection	WAT-005	\$5,000	\$5,000			
Water Meter Reading System Replacement	WAT-011	\$30,000	\$30,000			
Hydrants, Valve Services	WAT-015	\$30,000	\$30,000			
Water Total		\$265,000	\$65,000	\$0	\$100,000	\$100,000
Total Debt		\$375,000				

Project Description	Project Number	2024 Total Project Cost	User Fees	Grants & Aids	Fund Balance	Debt
---------------------	----------------	-------------------------	-----------	---------------	--------------	------

Sewer Projects

Inflow/Infiltration Control	SAN/24/01	\$325,000	\$200,000			\$125,000
PPI&I	SAN/24/02	\$100,000		\$100,000		
Lateral Replacement (Coordinated Projects)	SAN/24/03	\$150,000				\$150,000
Sewer Total		\$575,000	\$200,000	\$100,000	\$0	\$275,000

StormWater Projects

Ditch Rehabilitation Program	STM/24/01	\$200,000	\$200,000			
5yd Patrol Truck Replacment No. 77	STM/23/01	\$70,000	\$70,000			
StormWater Total		\$200,000	\$200,000	\$0	\$0	\$0

Water Projects

Main Relays	WAT-001	\$325,000			\$175,000	\$150,000
Booster disinfection	WAT-005	\$5,000	\$5,000			
Water Meter Reading System Replacement	WAT-011	\$30,000	\$30,000			
Hydrants, Valve Services	WAT-015	\$30,000	\$30,000			
Water Total		\$390,000	\$65,000	\$0	\$175,000	\$150,000

Total Debt \$425,000

Project Description	Project Number	2025 Total Project Cost	User Fees	Grants & Aids	Fund Balance	Debt
---------------------	----------------	-------------------------	-----------	---------------	--------------	------

Sewer Projects

Inflow/Infiltration Control	SAN/25/01	\$325,000	\$200,000			\$125,000
PPI&I	SAN/25/02	\$100,000		\$100,000		
Lateral Replacement (Coordinated Projects)	SAN/25/03	\$150,000				\$150,000
Sewer Total		\$575,000	\$200,000	\$100,000	\$0	\$275,000

StormWater Projects

Ditch Rehabilitation Program	STM/25/01	\$200,000	\$200,000			
StormWater Total		\$200,000	\$200,000	\$0	\$0	\$0

Water Projects

Main Relays	WAT-001	\$250,000			\$100,000	\$150,000
Booster disinfection	WAT-005	\$5,000	\$5,000			
Water Meter Reading System Replacement	WAT-011	\$30,000	\$30,000			
Hydrants, Valve Services	WAT-015	\$30,000	\$30,000			
Water Total		\$315,000	\$65,000	\$0	\$100,000	\$150,000

Total Debt \$425,000

FY 2020-2024 Capital Improvement Plan Project Description

Project #: CSD **Department:** Community Services

Project Name: Glendale Clinic Acquisition/Demolition

Total Project Cost: \$1,730,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

Year Budget	2020	2021	2022	2023	2024
	\$1,730,000	\$350,000	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The Glendale Clinic at 9233 N. Green Bay Road has been identified by SEWRPC and MMSD as a structure within the 100 year floodplain that cannot reasonably be floodproofed. This has caused the bank that owns the building to take it off the market and seek a sale to the Village for flood and stormwater control benefits. The Village would look to acquire the property in 2020 and demolish the structure and possibly create a detention basin on the site.

Project Justification: This property has flooded multiple times since it was built in 1996 and recent floodplain mapping revealed that it is highly susceptible to future flooding. Knowing this the owner and the Village do not find it prudent to market the site for new tenants or redevelopment. Removing the structure from the floodplain and utilizing the land for stormwater storage is a positive for the community. We expect MMSD to partner with us on the acquisition and will also apply for grant support from the DNR.

Project Picture / Map



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: STM/21/01 **Department:** Public Works

Project Name: Brooklane Basin Naturalization

Total Project Cost: \$200,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

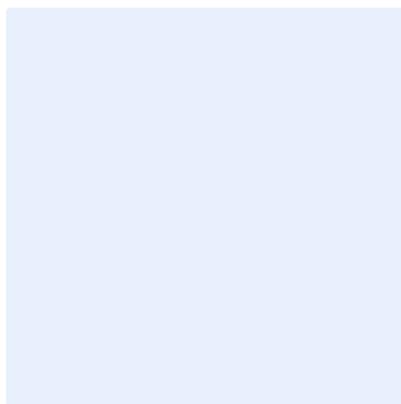
Year	2021	2022	2023	2024	2025
Budget	\$25,000	\$200,000	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The Brooklane complex has an area next to South Branch Creek that it maintains as required green space to comply with Village zoning regulations. In 2010 Churchill Lane and 47th/48th were repaved and realigned. The right-of-way along the streets was re-graded (included a portion of Brooklane property) to the new road alignments. It is proposed to obtain an easement from Brooklane to use the portion of their property from 46th to 47th/48th and south of Churchill to the creek for additional stormwater storage.

Project Justification: The area between 47th and Dean Road has not been improved for additional storm water storage for the protection of property and storm water quality improvements for South Branch Creek and the Milwaukee River. The Brooklane Basin would provide both of these benefits. The portion of Brooklane Apartment property proposed for the basin has to remain as green space for zoning purposes. The highest and best use for this land would be for storm water improvements. This project is in compliance with WDNR regulations and meets NR216 and 151 requirements.

Project Picture / Map:



FY 2019-2023 Capital Improvement Plan Project Description

Project #: STM/21/01 **Department:** Public Works

Project Name: Topsoil Screener Replacement

Total Project Cost: \$100,000 **Estimated Life of Project:** 13-years

Expenditure Detail:

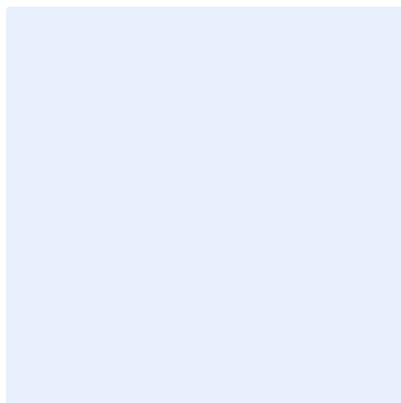
Year	2020	2021	2022	2023	2024
Budget	\$	\$	\$100,000	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: DPW requests the purchase of a new Orbit Screen Model 68 Diesel with stabilizers. This unit is manufactured under a patent and there are no other manufacturers of this style at this time. Other manufacturers have units that are in the \$100,000 to \$120,000 range for a matching performance range and require more space and maintenance. With the yearly ditching projects the Department has used a screener with cost savings to the ditching operations in purchase of screened topsoil, hauling all excavated material - including topsoil that could be screened. It was found that the recovered screened soil provided a superior product for the residents in that the weed seed was not present as in purchased topsoil.

Project Justification: The equipment will be purchased through soliciting quotes from three (3) vendors/suppliers. The expected life of the requested equipment is 12 years. The equipment is used weekly from the spring months thru the fall months (i.e. May thru October) during the ditch rehab program. The age of item to be replaced is 15 years in 2021. The annual maintenance costs are \$1,000 + labor due to the poor condition. The existing equipment will be auctioned using the State of Wisconsin surplus website. The estimated sold amount is \$15,000.00. The estimated cost of the new equipment was determined from recent bid history for this type of equipment.

Project Picture / Map:



FY 2020-2024 Capital Improvement Plan

Project Description

Project #: STM/21/01 **Department:** Public Works

Project Name: Churchill Basin Naturalization

Total Project Cost: \$200,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

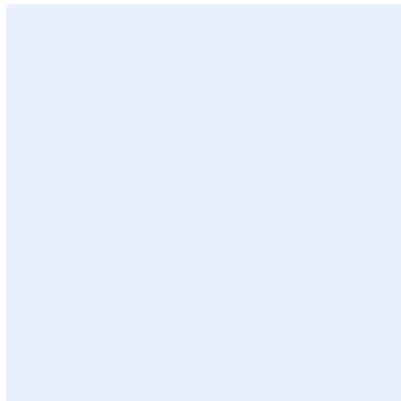
Year	2020	2021	2022	2023	2024
Budget	\$	\$25,000	\$200,000	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: This project consists of the removal of the concrete invert and the install of a meandering creek with natural plantings. It is proposed to obtain the county property at Willow/51st and add it to the basin with excavation for additional storage and storm water quality for the 50th drainage way that would discharge into it.

Project Justification: The original Churchill Basin was designed by MMSD as a flood control basin with no storm water quality benefits. This project provides for the water quality benefits, develops the site as a natural area for resident enjoyment and adds additional storage. This project is in compliance with WDNR regulations and meets NR216 and 151 requirements.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: STM/21/02 **Department:** Public Works

Project Name: W. Bradley Road Box Culvert Replacement

Total Project Cost: \$200,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

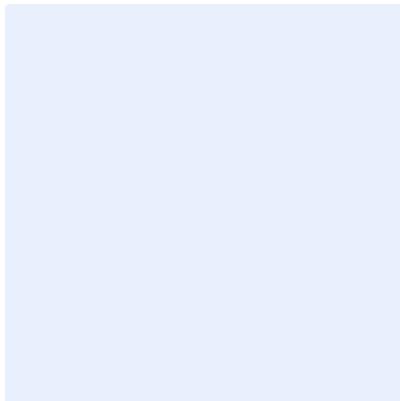
Year	2021	2022	2023	2024	2025
Budget	\$25,000	\$175,000	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Replace the concrete box culvert, including both endwalls, that crosses W. Bradley Rd. just west of N. Green Bay Rd.; also include some minor streambank stabilization adjacent to the endwalls. Maintenance of the structure has been non-existent for many years. ½ of culvert is in Brown Deer, ½ in the City of Milwaukee, and staff is attempting to gain cooperation and cost-sharing w/Milwaukee. However, because Milwaukee participation is uncertain at this point, the entire reconstruction cost is shown to be borne by the Village.

Project Justification: Culvert is very old, exact age unknown. Ayres Assoc. has inspected the structure and has submitted a report authorized by a structural engineer recommending replacement of the structure. This will help protect the public safety and welfare and preserve the Village's investment in infrastructure.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: STM/21-25/A

Department: Public Works

Project Name: Ditch Rehab Program

Total Project Cost: \$200,000 **Estimated Life of Project:** 30-years

Expenditure Detail:

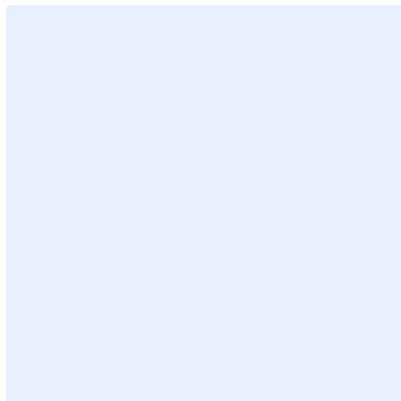
Year	2021	2022	2023	2024	2025
Budget	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The DPW crews have been rehabilitation roadside ditches and replacing driveway culverts since the ditch rehab program began in 1999. DPW intends to continue the program for the foreseeable future. The ditch rehab program is funded through storm sewer user fees. The program is important with ensuring the Village remains in compliance with the WDNR NR 216 stormwater permit. The program cleans ditches and replaces culverts to prevent ponding water and flooding within roadside ditches. The program usually follows the coordinated project schedule and annual roadway re-paving program. The work is completed by DPW personnel. The cost for the program is supplies/materials.

Project Justification: The ditch rehab program is part of the Village’s NR216 permit compliance and required to achieve total suspended solids (TSS) removal goals as mandated by the WDNR.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: SAN/21-25/A

Department: Public Works

Project Name: Inflow & Infiltration Control

Total Project Cost: \$325,000 **Estimated Life of Project:** 50-years

Expenditure Detail:

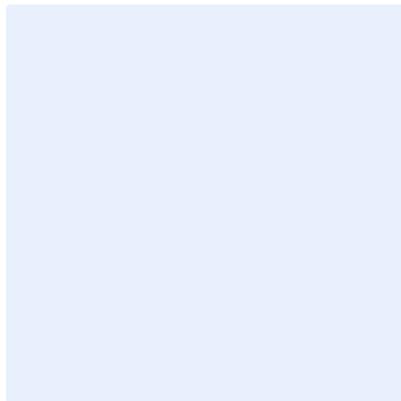
Year	2021	2022	2023	2024	2025
Budget	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Investigate, test and seal, CIPP line mainline sewers that have ground water and rain induced water entering via cracks and joints. The project is proposed to develop into a long term testing and sealing program. The project ensures the Village complies with EPA and WDNR regulations on prohibition of sanitary sewer overflows (SSO's) and Capacity, Maintenance, Operations, Management (CMOM), and State Attorney General stipulation. For health and safety, in reducing the possibility of sewer waste surcharging into resident and business buildings.

Project Justification: Sewer pipeline maintenance is essential to ensure SSOs are avoided along with basement back-ups. Sewer maintenance is required under CMAR/CMOM rules & regulations.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: SAN/21-25/C **Department:** Public Works

Project Name: Coordinated Project – Lateral Replacement

Total Project Cost: \$150,000 **Estimated Life of Project:** 50-years

Expenditure Detail:

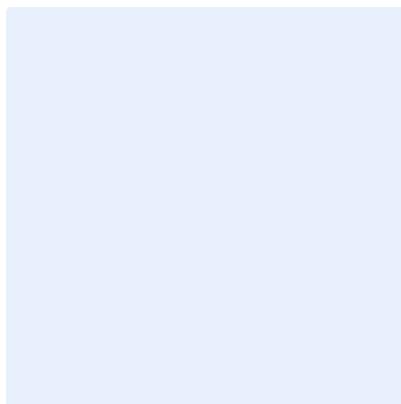
Year	2021	2022	2023	2024	2025
Budget	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The sanitary sewer laterals will be replaced during the coordinated project with the Water Dept. and Street Re-Paving Program. Replacing aging laterals is critical in prevent I/I from entering the Village’s sewerage collection system which ultimately reduces the potential for basement back-ups. The project ensures the Village complies with EPA and WDNR regulations on prohibition of sanitary sewer overflows (SSO’s) and Capacity, Maintenance, Operations, Management (CMOM), and State Attorney General stipulation. For health and safety, in reducing the possibility of sewer waste surcharging into resident and business buildings.

Project Justification: The sewer lateral replacement program is essential to ensure SSOs are avoided along with basement back-ups. Sewer maintenance is required under CMAR/CMOM rules & regulations. Lateral pipeline length far exceeds sewer mainline piping in the Village.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: SAN/21-25/B

Department: Public Works

Project Name: Private Property Inflow/Infiltration Program (PPI/I)

Total Project Cost: \$100,000 **Estimated Life of Project:** 50-years

Expenditure Detail:

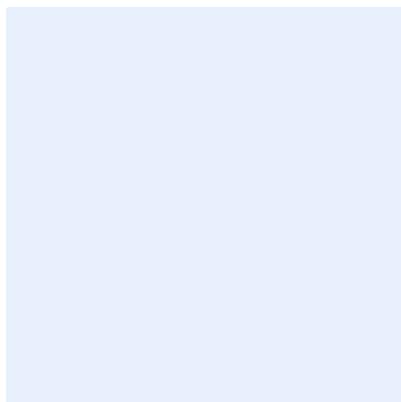
Year	2021	2022	2023	2024	2025
Budget	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: Investigate, test and seal, CIPP line, or replace laterals on private property that have ground water and rain induced water entering via cracks and joints. The lateral sealing area south of Dean and west of 60th will be the first section to be in the program and then the Betty/Range area east of 60th. The project is proposed to develop into a long term lateral inspection and sealing program. Comply with EPA and WDNR regulations on prohibition of sanitary sewer overflows (SSO's) and Capacity, Maintenance, Operations, Management (CMOM), and State Attorney General stipulation. For health and safety, in reducing the possibility of sewer waste surcharging into resident and business buildings. From 2010 through 2020 MMSD is providing funds for this type of project.

Project Justification: The PPI&I sewer lateral program is essential to ensure SSOs are avoided along with basement back-ups. Sewer maintenance is required under CMAR/CMOM rules & regulations. Lateral pipeline length far exceeds sewer mainline piping in the Village.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: SAN/22/01 **Department:** Public Works

Project Name: Generator Replacement

Total Project Cost: \$40,000 **Estimated Life of Project:** 20-years

Expenditure Detail:

Year	2021	2022	2023	2024	2025
Budget	\$	\$40,000	\$	\$	\$

Funding Sources: Levy Debt Grant Donations Fund Balance

Project Description: The sanitary sewer generator was due for replacement in 2017 due to age and decreased functionality/reliability. The replacement was delayed after a draw test was performed in 2015 and found the equipment to be working in satisfactory condition. The generator is a critical piece of back-up equipment to ensure the lift station remains in operation during a power outage which ultimately prevents basement back-ups.

Project Justification: The sewer generator operates the lift station during a power failure and is required to ensure SSOs are avoided along with basement back-ups. Sewer maintenance is required under CMAR/CMOM rules & regulations.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: **Department:** Water Utility

Project Name: Water Main Relays

Total Project Cost: \$1,285,000 **Estimated Life of Project:** 75 years

Expenditure Detail: Water Main Infrastructure Replacement

Year	2021	2022	2023	2024	2025
Budget	\$325,000	\$350,000	\$200,000	\$325,000	\$250,000

Funding Sources: Levy Debt Grant Donations Fund Balance Utility Revenue

Project Description: Replacement of deteriorated water main by relaying new water main, installing new hydrants, and valves, and new service connections.

Project Justification: This is part of a 30-year replacement program to relay corrosion deteriorated water mains installed in the 1950’s and 60’s. The projects are identified as problem areas in the utility’s hot spot report. The projects are coordinated with the Village’s street replacement program in an effort to help reduce costs and improve efficiency.

Project Picture / Map:

Name	From	To	Year				
			2021	2022	2023	2024	2025
50 th Street	Dean	Churchill	\$200,000				
61 st Street	Goodrich	Tower	\$125,000				
63 rd Street	62 nd	62 nd		\$350,000			
47 th Street	9445	Donges Ln			\$100,000		
45 th Street	9448	Donges Ln			\$100,000		
Joleno Ln.	51 st	Silver Brook				\$325,000	
Woodale Ave	Sherman	Teutonia					\$150,000
47 th Street	Bradley	Woodale					\$100,000
Total			\$325,000	\$350,000	\$200,000	\$325,000	\$250,000

FY 2021-2025 Capital Improvement Plan

Project Description

Project #: **Department:** Water Utility

Project Name: Water Standpipe Maintenance & Repainting

Total Project Cost: \$550,000 **Estimated Life of Project:** 20 years

Expenditure Detail: Water Main Infrastructure Replacement

Year	2021	2022	2023	2024	2025
Budget		\$700,000			

Funding Sources: Levy Debt Grant Donations Fund Balance Utility Revenue

Project Description: Maintenance and painting of 2-million-gallon standpipe

Project Justification: The normal sealant coat on a water storage facility is approximately 20 years. The standpipe was last painted in 2002. Recent inspections have shown some areas of touch-up are required before the next painting project. The Utility anticipates a full re-painting of the standpipe in 2022. The Water Utility has a reserve fund dedicated to the maintenance and repainting the standpipe

Project Picture / Map:

FY 2021-2025 Capital Improvement Plan

Project Description

Project #: **Department:** Water Utility

Project Name: Booster Disinfection Station

Total Project Cost: \$5,000 annually **Estimated Life of Project:**

Expenditure Detail: Equipment replacement

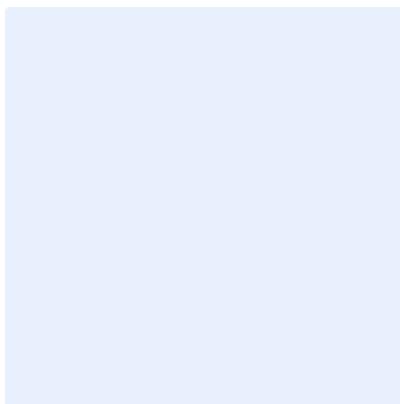
Year	2021	2023	2023	2024	2025
Budget	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000

Funding Sources: Levy Debt Grant Donations Fund Balance Utility Revenue

Project Description: Replacement of instrumentation and equipment in the station that will help refine system operation and replace items that get worn out from the chemical feed.

Project Justification: The Utility installed a chloramines booster disinfection station in 2004 to improve chlorine residuals in the water system, especially during warmer water temperatures. In 2010 the Utility upgraded the chlorine and ammonia chemical feed pumps. The annual equipment CIP helps to maintain the operation of the station with timely replacement of critical items. The operation of the booster station has helped increase the chlorine residual in the distribution system during the summer months when the water temperature is above 50 degrees. The increase in chlorine residual has helped reduce the amount of leaks in copper service laterals saving the Utility money by reducing the non-revenue water in the system.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan Project Description

Project #: **Department:** Water Utility

Project Name: Meter Reading Equipment

Total Project Cost: \$30,000 annually **Estimated Life of Project:** 20 years

Expenditure Detail: Meter reading – Equipment replacement

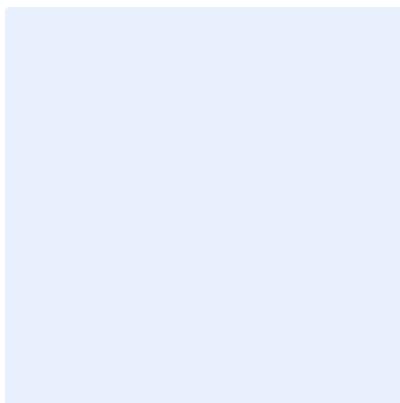
Year	2021	2022	2023	2024	2025
Orions	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Meter/Registers	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000

Funding Sources: Levy Debt Grant Donations Fund Balance Utility Revenue

Project Description: Replacement of failing Orion meter reading units that are approaching the end of their lifecycle

Project Justification: The Utility is required by the Public Service Commission to replace smaller residential meters every 20 years. The Utility also replaces the automatic meter reading (AMR) unit (Orion) at the same time. The AMR technology allows the utility to improve customer service by addressing customer inquiries more efficiently and can even alert a customer to a potential leak inside of the home before the next meter reading cycle. Older Orion technology will need to be replaced as it fails. The money budget over the next 5 years addresses replacing the older Orion units that fail, as well as replacing meters as dictated by the 20-yr PSC approved replacement schedule.

Project Picture / Map:



FY 2021-2025 Capital Improvement Plan

Project Description

Project #: **Department:** Water Utility

Project Name: Hydrant and Valve replacement

Total Project Cost: \$30,000 annually **Estimated Life of Project:** 30 years

Expenditure Detail: Water - Equipment

Year	2021	2022	2023	2024	2025
Budget	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000

Funding Sources: Levy Debt Grant Donations Fund Balance Utility Revenue

Project Description: Replace defective hydrants and valves in distribution system

Project Justification: In 2012 the Utility jointly purchased a valve turning, and vacuum tank machine to aide in the operation and maintenance of distribution system valves. During routine exercising the Utility develops a list of problem valves in the system that are in need of replacement. There are a number of older Iowa style hydrants in the distribution system. Operations of Iowa hydrants are good at this time but there are a few hydrants that are in need of repair. Repair parts for the Iowa hydrants are becoming difficult to obtain so the Utility has budgeted funds to help with the replacement of a few hydrants every year.



REQUEST FOR CONSIDERATION

COMMITTEE:	Finance & Public Works, Village Board
ITEM DESCRIPTION:	CMAR & CMOM Report
PREPARED BY:	Matthew S. Maederer, PE, Director of Public Works/Village Engineer
REPORT DATE:	July 2, 2020
MANAGER'S REVIEW/COMMENTS:	<input type="checkbox"/> No additional comments to this report. <input type="checkbox"/> See additional comments attached.
RECOMMENDATION:	Approval of the Compliance Maintenance Annual Report (CMAR) and adoption of the resolution authorizing submittal to the Wisconsin Dept. of Natural Resources (WDNR).
EXPLANATION:	<p>The Village of Brown Deer provides its residents the service of wastewater disposal via the operation of a sanitary sewer collection system that discharges to the MMSD (Milwaukee Metropolitan Sewerage District) for final treatment. The Village's collection system is regulated through the EPA and WDNR by a WPDES (Wisconsin Pollutant Discharge Elimination System) permit (WPDES Permit No. GP WI-0047341-05). The WPDES permit and NR 208 require that the Village submit a yearly report (CMAR – Compliance Maintenance Annual Report) of operations of the collection system to the WDNR.</p> <p>WDNR has developed an electronic report form that is used to develop a uniform report of the activities from all system owners. A printout of the report is attached to this memo.</p> <p>One of the requirements of the report is that the governing body of the collection system reviews & approves the report and adopts a resolution for such approval which authorizes submittal of the report to the WDNR. A draft resolution is attached for review & adoption by the Village Board on <u>Monday, August 3rd, 2020</u>.</p> <p>In <u>2019</u> the Village's system had zero (0) sanitary sewer overflows (SSOs); the grade for the collection system of the report was an "A" which requires no action by the Village Board. The last page has the recommended wording for a voluntary response by the Village Board. The overall grade (4.00) remained the same as in <u>2018</u>.</p> <p>Lastly, In June of 2009 the Village of Brown Deer, in compliance with EPA, WDNR and MMSD rules, developed and adopted a Capacity, Management, Operations, Maintenance (CMOM) plan for the sanitary sewer collection system of the Village. The purpose of the CMOM plan is to ensure that the Village's wastewater collection system functions to minimize the possibility of a sanitary sewer overflow (SSO) from occurring. Additionally, the plan would provide a level of protection (LOP) to minimize sanitary sewer back-ups from occurring in resident and business basements/buildings.</p>

Per the CMOM plan, the Village shall develop a report of the previous year's activities and submit the report to MMSD (which includes the CMAR as an attachment). The following report follows the recommended CMOM program annual report format as provided by MMSD. The report provides an overview of 2019 activities, documented changes to the program for approval, recommended changes to the program for approval, planned activities for 2020 and the future. The report fulfills the reporting requirement of the State of Wisconsin 2005 stipulation and MMSD rules.

Further action by the Village, other than that which is included in current plans, is not deemed necessary.

Attachments:

- CMAR Resolution for 2019 activities
- CMOM w/ CMAR

Approval of and
Submittal of the CMAR
for the Activities of 2019

Resolution No. 20-

WHEREAS, the Village of Brown Deer is regulated by a WPDES (Wisconsin Pollution Discharge Elimination System) permit for its wastewater collection system; and

WHEREAS, the WPDES permit and NR 208 of the Wisconsin Administrative Code requires the Village to submit a CMAR (Compliance Maintenance Annual Report) annually for the previous year's activities; and

WHEREAS, the CMAR Report for the Activities of 2019 has been submitted to and reviewed by the Village Board;

NOW, THEREFORE, BE IT RESOLVED, by the Village Board of the Village of Brown Deer that the CMAR Report for the Activities of 2019 is hereby approved and the Director of Public Works/Village Engineer is directed to submit the report to the Wisconsin Department of Natural Resources with all required certifications.

DATED this 3rd day of August 2020.

Wanda Montgomery, Village President

Jill Kenda-Lubetski, Village Clerk

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 **2019**

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 300px;" type="text" value="Matthew Maederer"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="4143713021"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="mmaederer@browndeerwi.org"/></p>																	
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p>● Yes (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ No (40 points)</p> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?</p> <p>Year: <input style="width: 100px;" type="text" value="2019"/></p> <p>● 0-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A (private facility)</p> <p>2.3 Did you have a special account (e.g., CFWP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?</p> <p>● Yes (0 points)</p> <p>○ No (40 points)</p>	0																
<p>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</p>																	
<p>3. Equipment Replacement Funds</p> <p>3.1 When was the Equipment Replacement Fund last reviewed and/or revised?</p> <p>Year: <input style="width: 150px;" type="text" value="2019"/></p> <p>● 1-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>3.2 Equipment Replacement Fund Activity</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">3.2.1 Ending Balance Reported on Last Year's CMAR</td> <td style="width: 5%;"></td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 30%; text-align: center;"><input style="width: 150px;" type="text" value="230,217.02"/></td> </tr> <tr> <td>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$</td> <td style="text-align: center;"><input style="width: 150px;" type="text" value="27,835.45"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: center;"><input style="width: 150px;" type="text" value="258,052.47"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$</td> <td style="text-align: center;"><input style="width: 150px;" type="text" value="18,393.12"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR		\$	<input style="width: 150px;" type="text" value="230,217.02"/>	3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	+	\$	<input style="width: 150px;" type="text" value="27,835.45"/>	3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 150px;" type="text" value="258,052.47"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 150px;" type="text" value="18,393.12"/>	
3.2.1 Ending Balance Reported on Last Year's CMAR		\$	<input style="width: 150px;" type="text" value="230,217.02"/>														
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	+	\$	<input style="width: 150px;" type="text" value="27,835.45"/>														
3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 150px;" type="text" value="258,052.47"/>														
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 150px;" type="text" value="18,393.12"/>														

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 **2019**

3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -

\$ 62,178.34

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 214,267.25

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

Subtractions = depreciation, interest expenses, repairs
Additions = earned interest

3.3 What amount should be in your Replacement Fund?

\$ 200,000.00

Please note: If you had a CWFPP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

- Yes
- No

If No, please explain.

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

- Yes - If Yes, please provide major project information, if not already listed below.
- No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Inflow/Infiltration Control - testing and sealing of laterals, manholes and mainline sewer. May also include CIPP of mainline sewer or spot repairs as required by inspections.	185000	2006
2	Sewer Lateral Relay - replacement of sewer lateral from main to property line. This is done with relay of water service. Funds may transfer to I/I projects if available.	110000	2006
3	Inflow/Infiltration Control	185000	2007
4	Sewer Lateral Relay	110000	2007
5	Inflow/Infiltration Control	185000	2008
6	Sewer Lateral Relay	110000	2008
7	Inflow/Infiltration Control	185000	2009
8	Sewer Lateral Relay	110000	2009
9	Inflow/Infiltration Control	185000	2010
10	Sewer Lateral Relay	110000	2010
11	Inflow/Infiltration Control	185000	2011
12	Sewer Lateral Relay	110000	2011
13	Inflow/Infiltration Control	195000	2012
14	Sewer Lateral Relay	120000	2012
15	Inflow/Infiltration Control	195000	2013
16	Sewer Lateral Relay	120000	2013
17	Inflow/Infiltration Control	200000	2014

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 **2019**

18	Sewer Lateral Relay	175000	2014
19	Inflow/Infiltration Control	150000	2015
20	Sewer Lateral / PPI/I	205000	2015
21	Inflow/Infiltration Control	200000	2016
22	Sewer Lateral / PPI/I	205000	2016
23	Inflow/Infiltration Control	200000	2017
24	Sewer Lateral / PPI/I	205000	2017
25	Inflow/Infiltration Control	200000	2018
26	Sewer Lateral / PPI/I	210000	2018
27	Inflow/Infiltration Control	200000	2019
28	Sewer Lateral / PPI/I	210000	2019
29	Inflow/Infiltration Control	200000	2020
30	Sewer Lateral / PPI/I	210000	2020
31	MMSD/Village Private Property I/I Reduction	80000	2012
32	MMSD/Village PPII Reduction	80000	2013
33	MMSD/Village PPII Reduction	80000	2014
34	Inflow/Infiltration Control	210000	2021
35	Sewer Lateral / PPII	210000	2021
36	Inflow/Infiltration control	210000	2022
37	Sewer Lateral / PPII	210000	2022
38	Inflow/Infiltration Control	216300	2023
39	Sewer Lateral PPI/I	216300	2023

5. Financial Management General Comments

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations:

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	543	
February	484	
March	599	
April	541	
May	585	
June	477	
July	402	
August	240	
September	333	
October	509	
November	563	
December	638	
Total	5,914	0
Average	493	0

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 2019

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- Comminution or Screening
- Extended Shaft Pumps
- Flow Metering and Recording
- Pneumatic Pumping
- SCADA System
- Self-Priming Pumps
- Submersible Pumps
- Variable Speed Drives
- Other:

6.2.2 Comments:

6.3 Has an Energy Study been performed for your pump/lift stations?

No

Yes

Year:

By Whom:

Describe and Comment:

6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

Full System Replacement

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 2019

Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

- Yes
- No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

- Yes
- No (30 points)
- N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

- Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

Did you accomplish them?

- Yes
- No

If No, explain:

- Organization [NR 210.23 (4) (b)]

Does this chapter of your CMOM include:

- Organizational structure and positions (eg. organizational chart and position descriptions)
- Internal and external lines of communication responsibilities
- Person(s) responsible for reporting overflow events to the department and the public

- Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY)

Does your sewer use ordinance or other legally binding document address the following:

- Private property inflow and infiltration
- New sewer and building sewer design, construction, installation, testing and inspection
- Rehabilitated sewer and lift station installation, testing and inspection
- Sewage flows satellite system and large private users are monitored and controlled, as necessary
- Fat, oil and grease control
- Enforcement procedures for sewer use non-compliance

- Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

- Equipment and replacement part inventories
- Up-to-date sewer system map
- A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 **2019**

- A description of routine operation and maintenance activities (see question 2 below)
- Capacity assessment program
- Basement back assessment and correction
- Regular O&M training

Design and Performance Provisions [NR 210.23 (4) (e)]

What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?

- State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
- Construction, Inspection, and Testing
- Others:

Overflow Emergency Response Plan [NR 210.23 (4) (f)]

Does your emergency response capability include:

- Responsible personnel communication procedures
- Response order, timing and clean-up
- Public notification protocols
- Training
- Emergency operation protocols and implementation procedures

Annual Self-Auditing of your CMOM Program [NR 210.23 (5)]

Special Studies Last Year (check only those that apply):

- Infiltration/Inflow (I/I) Analysis
- Sewer System Evaluation Survey (SSES)
- Sewer Evaluation and Capacity Management Plan (SECAP)
- Lift Station Evaluation Report
- Others:

Flow Monitoring & CCTV

0

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	10.05	% of system/year
Root removal	0	% of system/year
Flow monitoring	54.5	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	17.2	% of system/year
Manhole inspections	4.8	% of system/year
Lift station O&M	12	# per L.S./year
Manhole rehabilitation	1	% of manholes rehabbed
Mainline rehabilitation	1	% of sewer lines rehabbed
Private sewer inspections	2.14	% of system/year
Private sewer I/I removal	2.14	% of private services

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 **2019**

River or water crossings % of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

<input type="text" value="46"/>	Total actual amount of precipitation last year in inches
<input type="text" value="34.73"/>	Annual average precipitation (for your location)
<input type="text" value="53.11"/>	Miles of sanitary sewer
<input type="text" value="1"/>	Number of lift stations
<input type="text" value="0"/>	Number of lift station failures
<input type="text" value="0"/>	Number of sewer pipe failures
<input type="text" value="11"/>	Number of basement backup occurrences
<input type="text" value="11"/>	Number of complaints
<input type="text"/>	Average daily flow in MGD (if available)
<input type="text"/>	Peak monthly flow in MGD (if available)
<input type="text"/>	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

<input type="text" value="0.00"/>	Lift station failures (failures/year)
<input type="text" value="0.00"/>	Sewer pipe failures (pipe failures/sewer mile/yr)
<input type="text" value="0.00"/>	Sanitary sewer overflows (number/sewer mile/yr)
<input type="text" value="0.21"/>	Basement backups (number/sewer mile)
<input type="text" value="0.21"/>	Complaints (number/sewer mile)
<input type="text"/>	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
<input type="text"/>	Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume (MG)
None reported			

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

- Yes
- No

If Yes, please describe:

5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

- Yes
- No

If Yes, please describe:

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 **2019**

<div data-bbox="133 205 1461 260" style="border: 1px solid black; height: 26px;"></div>
5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:
<div data-bbox="126 302 1461 352" style="border: 1px solid black; padding: 2px;">None.</div>
5.4 What is being done to address infiltration/inflow in your collection system?
<div data-bbox="126 401 1461 478" style="border: 1px solid black; padding: 2px;">Continuing the private property inflow/infiltration program (lining private laterals and public mains).</div>

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 **2019**

Grading Summary

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			4	16
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

- A = Voluntary Range (Response Optional)
- B = Voluntary Range (Response Optional)
- C = Recommendation Range (Response Required)
- D = Action Range (Response Required)
- F = Action Range (Response Required)

Compliance Maintenance Annual Report

Brown Deer Sewage Collection System

Last Updated: Reporting For:
7/8/2020 **2019**

Resolution or Owner's Statement

Name of Governing
Body or Owner:

Village of Brown Deer

Date of Resolution or
Action Taken:

2020-08-03

Resolution Number:

20-

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4.00



Dates: 8/3/2020

BOARD

STAFF

MEETINGS

Met with some prospective developers and referred them to Nate for continued discussion

CONSTITUENTS

Working with residents on their concern related to a group home/RCC/Shelter opening in their neighborhood. All involved live in the Village of Brown Deer.

Fielding calls about why a Resolution vs. Ordinance for Face Covering in Village of Brown Deer

Promoting StayHomeMKE Campaign for Brown Deer and Promoting Census 2020

Continuing to address resident concerns (via phone calls, emails and in person)

Reminding residents about the upcoming elections and voting absentee

EVENTS

Planning a Community Conversation on Race/Race relations – Facilitated by invited Facilitator (TBA)

Wanda Montgomery
Village of Brown Deer President