



Marquette Charter Township
 Capital Improvement Program
 2019

Date:

6/22/2018

PUBLIC WORKS



Department: Wastewater

Project: Lift Station Odor Control

Location: Center St. Wastewater Lift Station

Justification: Increase in pressure sewer connections
increases the malodors coming from the sewage lift station

Year to start project: 2022

Goal: Improve the air quality of the neighborhood.

Projected Cost: \$45,000 **Annual Costs:** \$1000 Change media every three years.

Funding method: Wastewater Fund **Cost Center:** #590 154 021

Ranking of Project: Desirable Essential Urgent, high priority project that should be done if at all possible
Desirable: High priority project that should be done as funding becomes available
Acceptable: Worthwhile project to be considered if funding is available
Deferrable: Low priority project which can be postponed.

Revenue Generated: None **Expected Service Life:** 20

Other Project Tie-In: None **Annual Amortization:** \$15,000 **Term Yrs:** 3

Comments:

Funding Amortized:	2020		2021		2022			
	\$ 15,000		\$ 15,000		\$ 15,000			



Marquette Charter Township
Capital Improvement Program
2019

Date: 6/22/2018

PUBLIC WORKS

Department: Wastewater
 Project: Grove/Grandview Ph II LPFM
 Location: Grandview Circle
 Justification: Urban edge served by on-site septic systems
 Year to start project: 2020
 Goal: Improve health safety and welfare of citizens



Projected Cost: \$175,500 Annual Costs: \$1,000

Funding method: Wastewater Fund Cost Center: #590 154 012

Ranking of Project: Essential Essential: Urgent; high priority project that should be done if at all possible
 Desirable: High priority project that should be done as funding becomes available
 Acceptable: Worthwhile project to be considered if funding is available
 Deferrable: Low priority project which can be postponed.

Revenue Generated: \$8,600 Expected Service Life: 50

Other Project Tie-In: Ph I Annual Amortization: \$87,750 Term Yrs: 2

Comments: _____

Funding Amortized:	2019	2020					
	\$ 87,750	\$ 87,750					



Marquette Charter Township
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2019

Date: 6/22/2018

PUBLIC WORKS

Department: Wastewater
Project: Grove/Grandview Ph III LPFM
Location: Grove from Grandview Circle to City limits.
Justification: City has renounced ownership of main located outside of right of way

Year to start project: 2023

Goal: Construct main within right of way

Projected Cost: \$94,500 Annual Costs: \$385

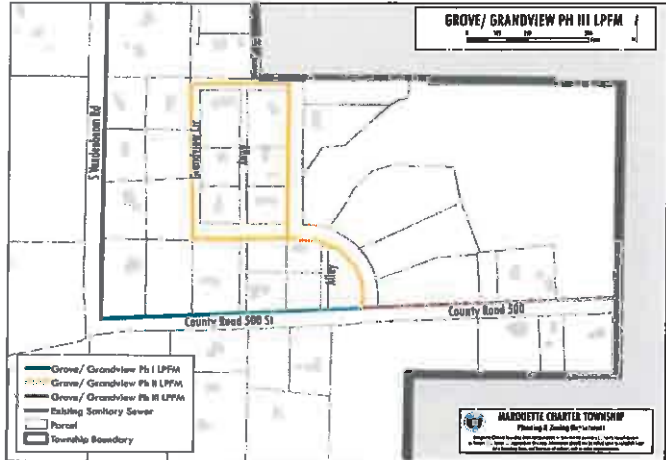
Funding method: Wastewater Fund Cost Center: #590 154 012

Ranking of Project: Desirable Essential: Urgent, high priority project that should be done if at all possible
Desirable: High priority project that should be done as funding becomes available
Acceptable: Worthwhile project to be considered if funding is available
Deferrable: Low priority project which can be postponed.

Revenue Generated: \$4,500 Expected Service Life: 50

Other Project Tie-In: Ph II Annual Amortization: \$31,500 Term Yrs: 3

Comments: _____



Funding Amortized:	2021	2022	2023			
	\$ 31,500	\$ 31,500	\$ 31,500			



Marquette Charter Township
 Capital Improvement Program
 2019

Date: 6/22/2018

PUBLIC WORKS

Department: Wastewater

Project: Wastewater Interceptor Rehabilitation PHOTO HERE IF AVAILABLE

Location: U.S. 41 By-Pass

Justification: Township owned sewer interceptor is cracked and leaking at several points. Infiltration goes to Marquette Area Wastewater Treatment Facility.

Year to start project 2019

Goal: Improve reliability of the sanitary collection system.

Projected Cost: \$93,000 **Annual Costs:** Minimal

Funding method: Wastewater Fund **Cost Center:** #590.154.011

Ranking of Project: Essential
Essential: Urgent, high priority project that should be done if at all possible
Desirable: High priority project that should be done as funding becomes available
Acceptable: Worthwhile project to be considered if funding is available
Deferrable: Low priority project which can be postponed.

Revenue Generated None **Expected Service Life:** 50

Other Project Tie-In: _____ **Annual Amortization:** \$46,500 **Term Yrs:** 2

Comments: A portion of the interceptor close to a stream and U.S. 41 critically susceptible to overflow was reconstructed in 2010.

Funding Amortized:	2019	2020						
	\$ 46,500	\$ 46,500						



Marquette Charter Township
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PUBLIC WORKS

Department: Wastewater

Project: Collection Main Rehabilitation

Location: U.S. 41

PHOTO HERE IF AVAILABLE

Justification: Oldest portion of system being televised
 and assesed this summer.

Year to start project: 2020

Goal: Improve reliability of the sanitary collection system.

Projected Cost: \$60,000 Annual Costs: Minimal

Funding method: Wastewater Fund Cost Center: #590.154.012

Ranking of Project: Essential Essential: *Urgent, high priority project that should be done if at all possible*
 Desirable: *High priority project that should be done as funding becomes available*
 Acceptable: *Worthwhile project to be considered if funding is available*
 Deferrable: *Low priority project which can be postponed.*

Revenue Generated: None Expected Service Life: 50

Other Project Tie-In: SAW Annual Amortization: \$60,000 Term Yrs 1

Comments: _____

Funding Amortized:	2020							
	\$ 60,000							



Marquette Charter Township
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2019

Date: 6/22/2018

PUBLIC WORKS

Department: Wastewater
 Project: Radio Read AMI
 Location: Township Wide
 Justification: 87% of wastewater revenue is generated by meters
 Year to start project: 2019



Goal: Replace discontinued unsupported meters with advanced metering infrastructure

Projected Cost: \$51,750 Annual Costs: \$2,000

Funding method: Wastewater Fund Cost Center: #590 154 016

Ranking of Project: Essential Essential: *Urgent, high priority project that should be done if at all possible*
 Desirable: *High priority project that should be done as funding becomes available*
 Acceptable: *Worthwhile project to be considered if funding is available*
 Deferrable: *Low priority project which can be postponed.*

Revenue Generated: _____ Expected Service Life: 20

Other Project Tie-In: _____ Annual Amortization: \$10,350 Term Yrs: 5

Comments: _____

Funding Amortized:	2019	2020	2021	2022	2023
	\$ 10,350	\$ 10,350	\$ 10,350	\$ 10,350	\$ 10,350



Marquette Charter Township
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Date: 6/22/2018

PUBLIC WORKS

Department: Water

Project: ATS w/Generator

Location: Cox Pumping Station

Justification: MDEQ requires standby power for water supply facilities

Year to start project: 2021

Goal: Increase reliability of water supply

Projected Cost: \$100,000 Annual Costs: \$1,000 for fuel and maintenance

Funding method: Water Fund Cost Center: #591 140 041

Ranking of Project: Essential
 Essential: *Urgent, high priority project that should be done if at all possible*
 Desirable: *High priority project that should be done as funding becomes available*
 Acceptable: *Worthwhile project to be considered if funding is available*
 Deferable: *Low priority project which can be postponed.*

Revenue Generated: None Expected Service Life: 20

Other Project Tie-In: _____ Annual Amortization: \$33,333 Term Yrs: 3

Comments: _____



Funding Amortized:	2019	2020	2021				
	\$ 33,333	\$ 33,333	\$ 33,333				



Marquette Charter Township
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 2019

Date: 6/22/2018

PUBLIC WORKS

Department: Water

Project: Northwoods Tank Paint I/E

Location: Northwoods Rd.

Justification: Scheduled interior and exterior
 recoat based on condition assessment.

Year to start project: 2020

Goal: Extend the life of the public water delivery system.

Projected Cost: \$88,000 Annual Costs: Minimal

Funding method: Water Fund Cost Center: #591 152 111

Ranking of Project: Essential Essential: *Urgent, high priority project that should be done if at all possible*
 Desirable: *High priority project that should be done as funding becomes available*
 Acceptable: *Worthwhile project to be considered if funding is available*
 Deferrable: *Low priority project which can be postponed.*

Revenue Generated: None Expected Service Life: 20

Other Project Tie-In: _____ Annual Amortization: \$44,000 Term Yrs: 2

Comments: _____



Funding Amortized:	2019	2020						
	\$ 44,000	\$ 44,000						



Marquette Charter Township
 Capital Improvement Program
 2019

Date: 6/22/2018

PUBLIC WORKS

Department: Water
 Project: Radio Read AMI
 Location: Township Wide
 Justification: Approximately 63% of water revenue is generated by meters
 Year to start project: 2019



Goal: Replace discontinued and unsupported meters with advanced metering infrastructure.
 Projected Cost: \$51,750 Annual Costs: \$2,000

Funding method: Water Fund Cost Center: 591.152.015

Ranking of Project: Essential
Essential: Urgent, high priority project that should be done if at all possible
Desirable: High priority project that should be done as funding becomes available
Acceptable: Worthwhile project to be considered if funding is available
Deferrable: Low priority project which can be postponed.

Revenue Generated: _____ Expected Service Life: 20
 Other Project Tie-In: _____ Annual Amortization: \$10,350 Term Yrs: 5

Comments: _____

Funding Amortized:	2019	2020	2021	2022	2023
	\$ 10,350	\$ 10,350	\$ 10,350	\$ 10,350	\$ 10,350



Marquette Charter Township
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PUBLIC WORKS

Department: Water
 Project: Motor Control Center Upgrade
 Location: Cox Water Pumping Station
 Justification: The motor control center was originally installed in 1972 and does not meet current codes.
 Year to start project: 2021



Goal: Improve worker safety

Projected Cost: \$85,000 Annual Costs: Minimal

Funding method: Water Fund Cost Center: 591.140.041

Ranking of Project: Essential *Essential Urgent, high priority project that should be done if at all possible*
Desirable *Desirable High priority project that should be done as funding becomes available*
Acceptable *Acceptable Worthwhile project to be considered if funding is available*
Deferrable *Deferrable Low priority project which can be postponed.*

Revenue Generated: None Expected Service Life: 30

Other Project Tie-In: _____ Annual Amortization: \$28,333 Term Yrs 3

Comments: _____

Funding Amortized:	2019	2020	2021			
	\$ 28,333	\$ 28,333	\$ 28,333			



Marquette Charter Township
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Date: 6/22/2018

PUBLIC WORKS

Department: Water

Project: PLC Update/Upgrade

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Location: Various

Justification: Updated controllers would
 would improve operational control and reliability.

Year to start project: 2019 Ongoing

Goal: Increase operational efficiency.

Projected Cost: \$50,000 Annual Costs: Minimal

Funding method: Water Fund Cost Center: #591.2136.040, #591.136.041

Ranking of Project: Desirable Essential: *Urgent, high priority project that should be done if at all possible*
Desirable *High priority project that should be done as funding becomes available*
Acceptable *Worthwhile project to be considered if funding is available*
Deferrable *Low priority project which can be postponed.*

Revenue Generated: None Expected Service Life: 20

Other Project Tie-In: _____ Annual Amortization: \$10,000 Term Yrs: 5

Comments: _____

Funding Amortized:	2019	2020	2021	2022	2023
	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000



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PUBLIC WORKS

Department: Water
 Project: Construct 8 inch Water Main and PRV
 Location: Brookton Road
 Justification: Connect two dead ends to eliminate weak link in water distribution system
 Year to start project: 2025
 Goal: Improve reliability of water supply and fire protection



Projected Cost: \$170,000 Annual Costs: \$300
 Funding method: Water Fund Cost Center: #591.152.013

Ranking of Project: Desirable Essential: *Urgent, high priority project that should be done if at all possible*
 Desirable: *High priority project that should be done as funding becomes available*
 Acceptable: *Worthwhile project to be considered if funding is available*
 Deferrable: *Low priority project which can be postponed.*

Revenue Generated: \$8,000 Expected Service Life: 50
 Other Project Tie-In: Road Annual Amortization: \$34,000 Term Yrs: 5

Comments: _____

Funding Amortized:	2021	2022	2023	2024	2025
	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000	\$ 34,000

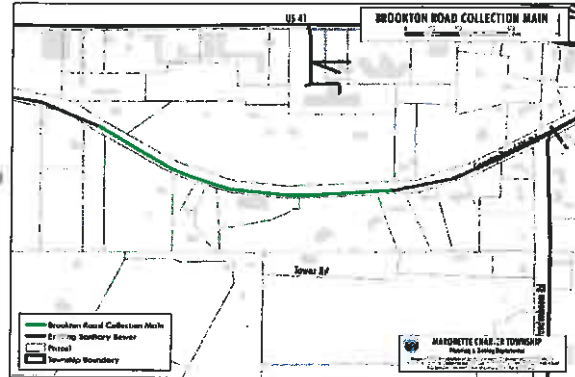


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2019

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Public Works

Department: Wastewater
 Project: Construct Sanitary Collection Main
 Location: Brookton Road
 Justification: Urban edge not served by public sanitary collection system
 Year to start project: 2025



Goal: Improve health safety and welfare of citizens

Projected Cost: \$320,000 Annual Costs: \$1,500

Funding method: Wastewater Fund Cost Center: #590 154 012

Ranking of Project: Desirable Essential Urgent, high priority project that should be done if at all possible
 Desirable High priority project that should be done as funding becomes available
 Acceptable Worthwhile project to be considered if funding is available
 Deferrable Low priority project which can be postponed.

Revenue Generated: \$15,000 Expected Service Life: 50

Other Project Tie-In: Road Annual Amortization: \$64,000 Term Yrs: 5

Comments: _____

Funding Amortized:	2021	2022	2023	2024	2025
		\$ 64,000	\$ 64,000	\$ 64,000	\$ 64,000

