



MARATHON COUNTY INFRASTRUCTURE COMMITTEE **AMENED** AGENDA

Date & Time of Meeting: **Thursday, April 6, 2023 at 9:00am**

Meeting Location: **Courthouse Assembly Room, Courthouse, 500 Forest Street, Wausau WI 54403**

Committee Members: Craig McEwen, Chair; Chris Dickinson, Vice-Chair; Tom Seubert, Joel Straub, John Robinson, Gary Gisselman, Jasper Hartinger

Marathon County Mission Statement: Marathon County Government serves people by leading, coordinating, and providing county, regional, and statewide initiatives. It directly or in cooperation with other public and private partners provides services and creates opportunities that make Marathon County and the surrounding area a preferred place to live, work, visit, and do business. (Last updated: 12-20-05)

Committee Mission Statement: Provide leadership for the implementation of the Strategic Plan, monitoring outcomes, reviewing, and recommending to the County Board policies related to technology and infrastructure initiatives of Marathon County which include, but are not limited to highways, airways, waterways, etc.

Persons wishing to attend the meeting by phone may call into the **telephone conference beginning five (5) minutes prior to the start time indicated above using the following number:**

Phone#: 1-408-418-9388 Access Code: 146 235 4571

When you enter the telephone conference, **PLEASE PUT YOUR PHONE ON MUTE!**

The meeting will also be broadcasted on Public Access or at <https://tinyurl.com/MarathonCountyBoard>

1. **Call Meeting to Order**
2. **Pledge of Allegiance**
3. **Public Comment (15 Minutes)** (Any person who wishes to address the committee during the "Public Comment" portion of the meetings, must provide his or her name, address, and the topic he or she wishes to present to the Marathon County Clerk, or chair of the committee, no later than five minutes before the start of the meeting. All comments must be germane to a topic within the jurisdiction of the committee.)
4. **Approval of the March 9, 2023, Infrastructure Committee Meeting Minutes**
5. **Policy Issues Discussion and Potential Committee Determination**
 - A. **Adoption and Certification of Petition for Disaster Damage Aids County Road "KK", Town of Mosinee Section 4**
6. **Operational Functions Required by Statute, Ordinance, Resolution, or Policy**
 - A. Resolution to appoint Ben Peterson to Marathon County Weed Commissioner under Wis. Statute 66.0517: Griesbach & Puerner
7. **Educational Presentations and Committee Discussion**
 - A. General update on potential relocation of Highway Department Wausau site relocation (revised cost projections, efforts to identify alternative funds, and next steps): Leonhard
 - B. Update on Ordinance 12.04 (Assemblies) proposed revision process: Leonhard
 - C. Broadband update: Robinson & Klein
 - D. Update on Annual Report for Municipal Separate Storm Sewer (MS4) Permit: Lang & Pritchard
 - E. CCITC project update: Klein
 - F. CCITC 2024 Capital Improvement Projects: Klein
 - G. 2024 Summer Road School June 5-7, 2023 Chula Vista, Wisconsin Dells: Griesbach
 - H. Overview of MS4/Urban Stormwater Quality Management Plan: Pritchard & Miskimins
8. **Next Meeting Date & Time, Announcements and Future Agenda Items**
 - A. Committee members are asked to bring ideas for future discussion.
 - B. Next meeting: Thursday, May 4, 2023 at 9:00am
9. **Adjournment**

*Any Person planning to attend this meeting who needs some type of special accommodation in order to participate should call the County Clerk's Office at 261.1500 or email countyclerk@co.marathon.wi.us one business day before the meeting.

SIGNED s/s Craig McEwen
Presiding Officer or Designee

EMAILED TO: Wausau Daily Herald, City Pages, and other Media Groups

EMAILED BY: _____

DATE & TIME: _____

NOTICE POSTED AT THE COURTHOUSE

BY: _____

DATE & TIME: _____



MARATHON COUNTY INFRASTRUCTURE COMMITTEE AGENDA WITH MINUTES

Date & Time of Meeting: **Thursday, March 9, 2023 at 1:00pm**

Meeting Location: **Courthouse Assembly Room, Courthouse, 500 Forest Street, Wausau WI 54403**

Craig McEwen	Present
Chris Dickinson	Present
Gary Gisselman	Present
Joel Straub	Present
John Robinson	Present
Tom Seubert	Present
Jasper Hartinger	WebEx

Staff Present: Jim Griesbach, Kevin Lang, Dave Mack, Lance Mueller, Gerry Klein, Michael Puerner, Lance Leonhard, David Holcomb

Others Present: Debby Jackson

1. **Call Meeting to Order** – Chair McEwen called the meeting to order at 1:00pm
2. **Pledge of Allegiance**
3. **Public Comment** – None
4. **Approval of the February 2, 2023, Infrastructure Committee Meeting Minutes**
Motion by Robinson, Second by Dickinson to approve the minutes. Motion carried on voice vote, unanimously.
5. **Policy Issues Discussion and Potential Committee Determination**
 - A. Budget transfer from highway reserve to purchase personal safety lighting.
Highway Commissioner Jim Griesbach presented this ask to the committee as a contingency. Discussion was had, questions were asked and answered. Motion by Gisselman, Second by Dickinson to approve the budget transfer with contingency that Commissioner Griesbach isn't able to find the funding in his current budget. Motion passed on voice vote unanimously.
 - B. Seasonal Weight limit request for CTH "H" from 1.5 miles south of STH 29 to CTH "N", Kingdom Haven Farms.
Commissioner Griesbach presented the request from Kingdom Haven Farms. Motion by Robinson, Second by Gisselman to approve the seasonal weight limit. Motion carried on voice vote unanimously.
6. **Operational Functions Required by Statute, Ordinance, Resolution, or Policy** – None
7. **Educational Presentations and Committee Discussion**
 - A. Summer plans for Roadside Vegetation Control
Commissioner Griesbach presented the current issues the county is facing with vegetation control, along with possible solutions they are looking to implement. Discussion was had questions were asked and answered.
 - B. Wisconsin TDA budget update related to transportation issues
Executive Director Debby Jackson presented to the committee the TDA budget, and the changes that were made. Discussion was had, questions were asked and answered.
 - C. Broadband update
Supervisor Robinson, and Director Gerry Klein provided an update to the committee from the broadband taskforce.
 - D. Bid openings, Asphalt, Pulverizing, Milling
Deputy Commissioner Lang provided information to the current set of bids that are opening.
 - E. Workday project update
Director Klein provided an overall update to the continued workday implementation project, along with upcoming additional small projects.
 - F. Highway Safety Commission meeting update: Lang
Deputy Commissioner Lang provided information from the Highway Safety Commission meeting. Minutes from the meeting are located in the infrastructure packet.
8. **Next Meeting Date & Time, Announcements and Future Agenda Items**
 - A. Committee members are asked to bring ideas for future discussion.
 - B. Next meeting: Thursday, April 6, 2023 at 9:00am

9. **Adjournment**

Motioned by Dickinson, Second by Seubert to adjourn. Motion Carried on voice vote, unanimously.
Meeting adjourned at 2:16pm

Minutes Prepared by David Holcomb

DRAFT

DISASTER DAMAGE AIDS PETITION

Wisconsin Department of Transportation
DT2067 10/2013

Office Use Only

Claim No. _____

The Local Government must submit this petition within **60 days** of the disaster event to the appropriate Wisconsin Department of Transportation (WisDOT) Regional Office.

Section 1

CHOOSE GOVERNING BODY

The ☐ Town ☐ City ☐ Village of, _____ **Or** The ☒ Highway Committee/Commissioner of,
Marathon _____ County,

petitions the Wisconsin Department of Transportation for aid, pursuant to [s.86.34 Wisconsin Statutes](#), for damage to public highways under its jurisdiction resulting from a disaster which occurred on 4/2/2023 (date – m/d/yyyy).

The location, nature, and extent of the damage to such highway(s) as a result of the disaster event is described below and indicated on the attached map.

Section 2

Site No.	Location (i.e. Road Name, Section Range)	Nature and Extent of Damage	Estimated Repair Cost
1	CTH KK, Town of Mosinee, SE/NE Section 4 T27N-R7E	Road is closed due partial washout due to pavement undermining. Need to repave culvert.	\$ 490,000.00
			\$
			\$
			\$
			\$
Preliminary estimate of the total cost of the damage is			\$ 490,000.00

Section 3

I certify that the foregoing is a true and correct copy of a petition adopted by the municipality/county identified above at its meeting held on 04/06/2023 (date – m/d/yyyy).

James Griesbach
(Authorized Representative – Please Print)

X
(Signature)

4/6/2023
(Date)

Mailing Address, City, State and ZIP Code
1430 West Street, Wausau WI. 54484

(Area Code) Telephone Number
(715) 261-1801

Email Address (If available)
james.griesbach@co.marathon.wi.us

**Please Attach a Map Showing Site Location(s) AND
Submit At Least One (1) Photo of Damage Per Site**

DISASTER DAMAGE AIDS PETITION *(continued)*

Wisconsin Department of Transportation DT2067

INSTRUCTIONS FOR COMPLETING DISASTER DAMAGE AIDS PETITION

Section 1 – **CHOOSE GOVERNING BODY**

Select one of the options for governing body having jurisdiction over the road maintenance.

- For municipalities check ☐ Town ☐ City or ☐ Village and identify your community.
or
- For a county check The ☐ Highway Committee/Commissioner of.

Complete by putting the name of county and date of the damage for the disaster event occurred.

Section 2 – **Site Information**

Multiple sites with damage from the same disaster event should be on one petition.

(Note: If you have more than five sites for the same disaster event use a second petition.)

Site No.: Assign a number for each site starting with one (1).

Location: Identify the location of the damage site by using the name of the road.
In addition to the name of the road, may be helpful to also identify:

- Township, Range and Section from the plat map (example: T41N, R11W, Sec. 20).
- Nearest intersection.

Nature and Extent of Damage: Give a brief description of the Type of Damage done:
(See Page 2 of DDA Guidelines and Requirements for eligibility). Example descriptions:

- Culvert and roadway washed out, road closed. New culvert needed.
- Culvert damaged, roadway undermined, road closed. New culvert needed.
- Roadway washed out, debris removal, road closed.
- Damage caused to existing highway by governmental unit.

Estimated Repair Cost: To the best of your ability, estimate the cost to repair each site.

For preliminary estimate of the total cost of the damage, add up each site's estimated repair costs.

Section 3 – **Signature**

Petition adopted date: the date of the meeting the governing body adopted the petition.

An authorized representative of the municipality/county signs the petition.

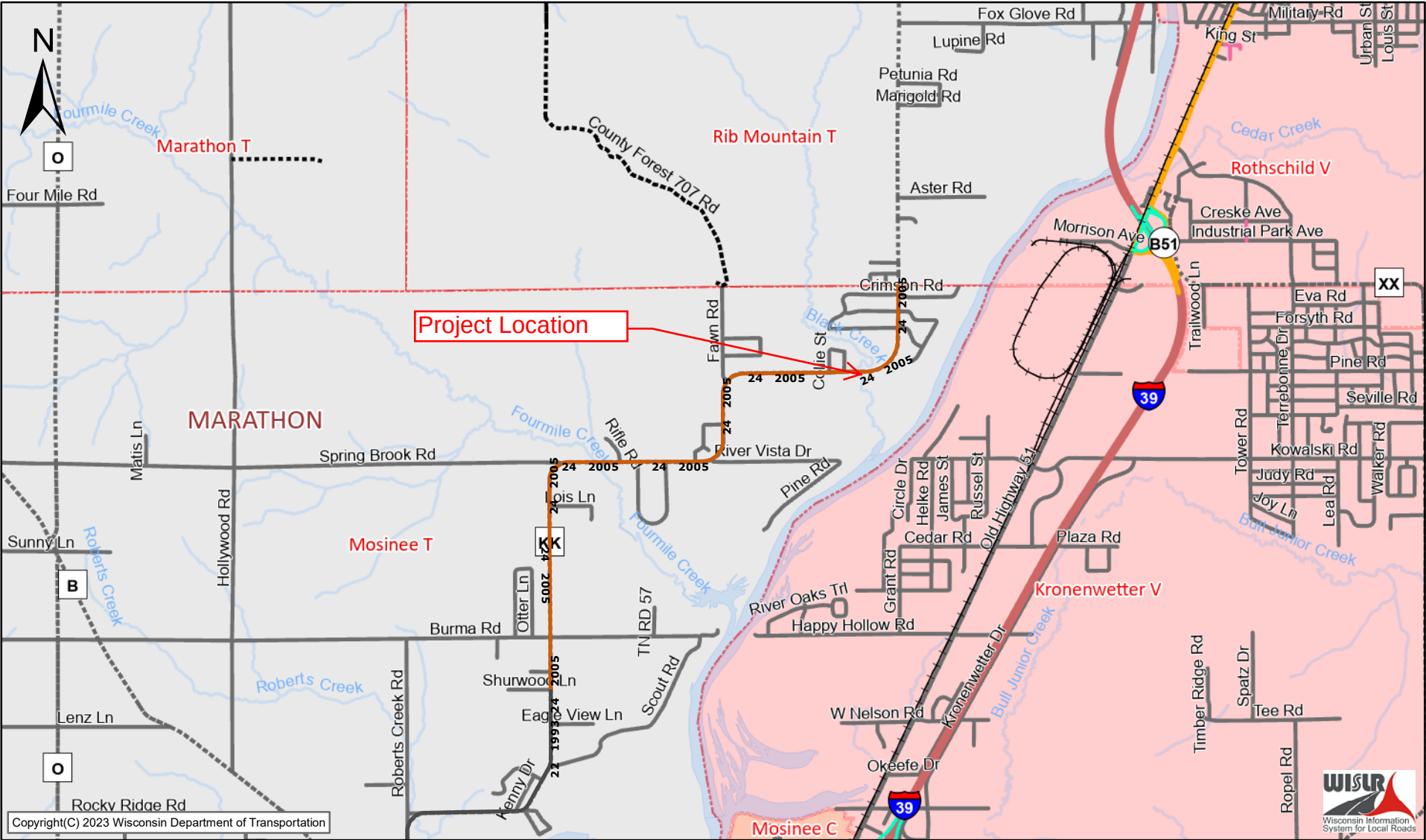
- Please print name, sign and date.

Also complete:

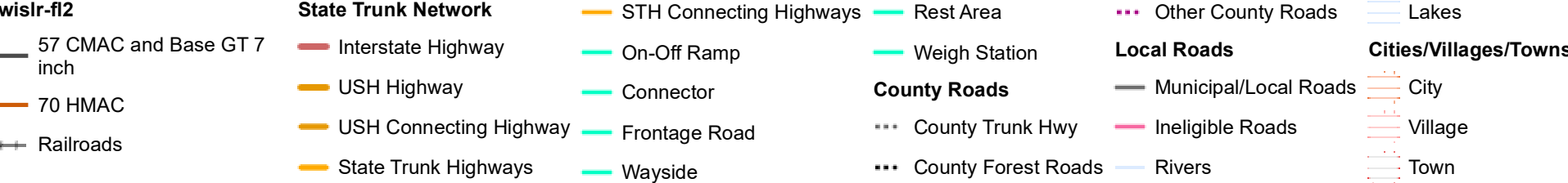
- Mailing address
- Telephone number
- Email address is optional

Attach a map and mark the site location(s). Can use a copy of a plat map or create a map using Wisconsin Information System for Local Roads (WISLR). Also provide at least one photo of the damage for each site.

WISLR Map



The information contained in this data set and information produced from this dataset were created for the official use of the Wisconsin Department of Transportation (WisDOT). Any other use while not prohibited, is the sole responsibility of the user. WisDOT expressly disclaims all liability regarding fitness of use of the information for other than official WisDOT business. Map created on April 3, 2023



County Road "KK"
Town of Mosinee, Section 4







RESOLUTION #R-__-23

APPOINTMENT OF COUNTY WEED COMMISSIONER

WHEREAS, noxious weeds are increasingly prevalent within Marathon County, creating health, economic, and ecological threats; and

WHEREAS, control of invasive species is listed as a priority action within Marathon County, the State of Wisconsin, and by the Wisconsin Department of Natural Resources; and

WHEREAS, Wis. Stat. § 66.0517(2)(b) permits a county to, by resolution, provide for the appointment of a county weed commissioner and to determine the duties, term, and compensation for the county weed commissioner; and

WHEREAS, upon appointment, a county weed commissioner has the powers and duties of a weed commissioner under Wis. Stat. § 66.0517; and

WHEREAS, on April 6, 2023, the Infrastructure Committee voted to recommend appointment of Ben Peterson as Marathon County Weed Commissioner, without compensation, for a two-year term beginning May 1, 2023. Mr. Peterson has knowledge and background in the field of noxious weed elimination and is willing to serve in this position at no cost to Marathon County.

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of the County of Marathon does hereby appoint Ben Peterson as Marathon County Weed Commissioner for a two-year term beginning May 1, 2023, without compensation. Any expense or liability incurred by Ben Peterson in his role as County Weed Commissioner will not be covered by or attributable to Marathon County.

NOW, THEREFORE, BE IT FURTHER RESOLVED, that the position of Marathon County Weed Commissioner shall have the authority to investigate the existence of noxious weeds within Marathon County and, if any person neglects to destroy a noxious weed as required under Wis. Stat. § 66.0407(3), the Weed Commissioner shall destroy, or have destroyed, said noxious weeds in the most economical manner. The Weed Commissioner is to take on the duties described in Wis. Stat. § 66.0517(3)(a) within Marathon County pursuant to the terms outlined in the attached Weed Commissioner Agreement.

NOW, THEREFORE, BE IT FURTHER RESOLVED, that appropriate County officials are authorized to execute the Weed Commissioner Agreement with Ben Peterson setting forth the duties outlined therein.

Dated the 25th day of April, 2023.

INFRASTRUCTURE COMMITTEE

_____	_____
_____	_____
_____	_____

Fiscal Impact: Because this position is created without compensation and with all expenses and liabilities not covered by Marathon County, the creation will have no fiscal impact.



Marathon County

Information about Financing for the Highway Shop

March 31, 2023

PFM Financial
Advisors LLC

115 South 84th Street
Suite 315
Milwaukee, WI 53214

414-771-2700
www.pfm.com



Status of County Debt

County's Outstanding GO Debt

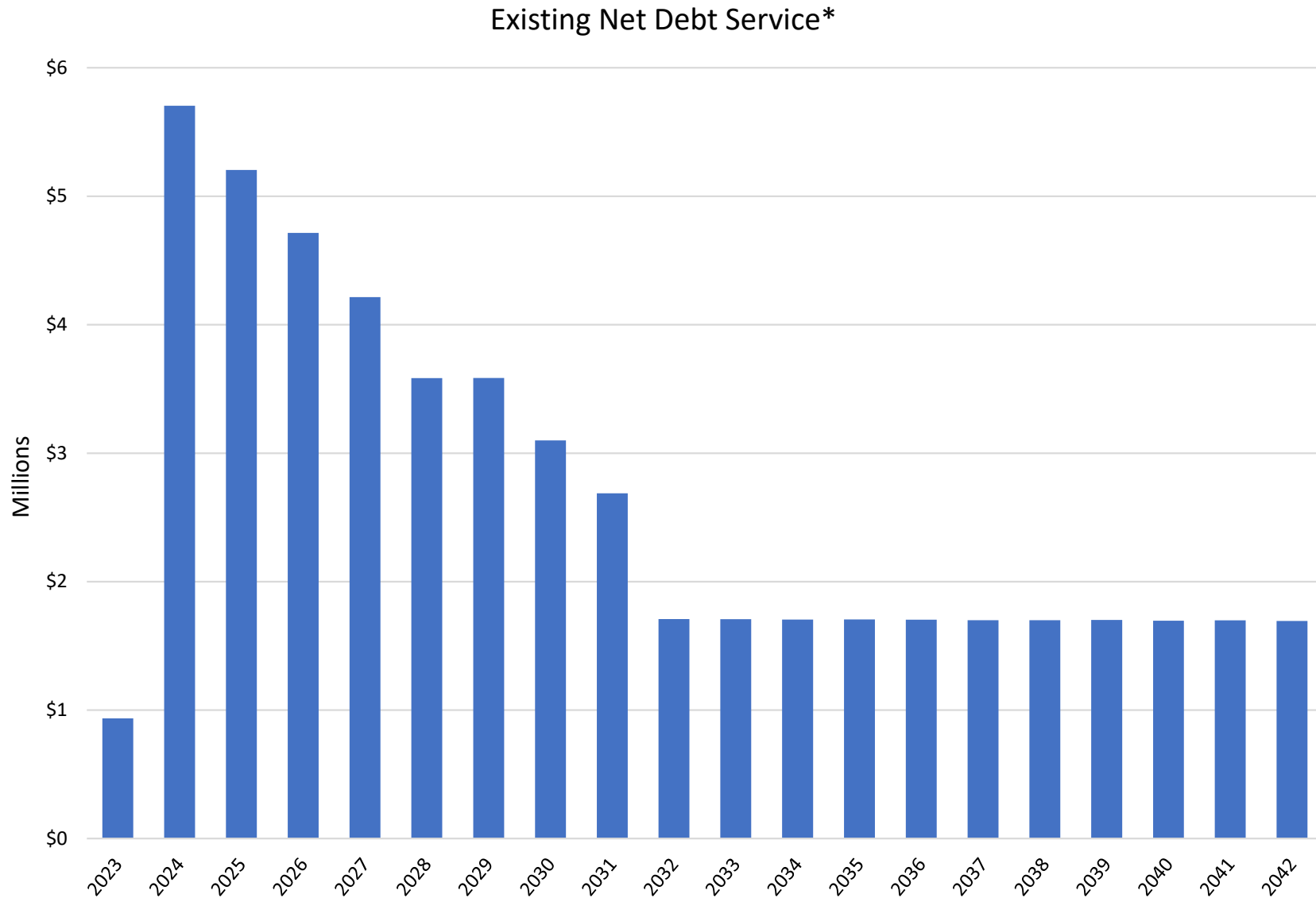
Marathon County, Wisconsin

Total General Obligation Debt Outstanding

Fiscal Year	Principal	Interest	Total Debt Service	NCHC Debt Repayment Revenues	Net Debt Service*	Mill Rate on Existing Debt Service
2023	\$4,525,000	\$2,859,862	\$7,384,862		\$934,991	0.0715
2024	5,145,000	2,558,100	7,703,100	(\$2,000,000)	5,703,100	0.4194
2025	5,245,000	2,459,919	7,704,919	(2,500,000)	5,204,919	0.3681
2026	5,355,000	2,359,894	7,714,894	(3,000,000)	4,714,894	0.3206
2027	5,460,000	2,254,400	7,714,400	(3,500,000)	4,214,400	0.2755
2028	5,580,000	2,135,194	7,715,194	(4,131,777)	3,583,417	0.2253
2029	5,710,000	2,004,256	7,714,256	(4,129,485)	3,584,771	0.2167
2030	5,340,000	1,868,488	7,208,488	(4,109,533)	3,098,955	0.1801
2031	5,060,000	1,731,500	6,791,500	(4,104,200)	2,687,300	0.1502
2032	4,215,000	1,601,950	5,816,950	(4,108,450)	1,708,500	0.0918
2033	4,335,000	1,478,150	5,813,150	(4,105,550)	1,707,600	0.0882
2034	4,460,000	1,350,400	5,810,400	(4,105,500)	1,704,900	0.0847
2035	4,590,000	1,218,500	5,808,500	(4,103,200)	1,705,300	0.0815
2036	4,725,000	1,082,300	5,807,300	(4,103,600)	1,703,700	0.0783
2037	4,860,000	941,700	5,801,700	(4,101,600)	1,700,100	0.0751
2038	5,005,000	796,550	5,801,550	(4,102,150)	1,699,400	0.0722
2039	5,155,000	646,600	5,801,600	(4,100,200)	1,701,400	0.0695
2040	5,305,000	491,700	5,796,700	(4,100,600)	1,696,100	0.0666
2041	5,455,000	318,900	5,773,900	(4,075,500)	1,698,400	0.0641
2042	5,620,000	112,400	5,732,400	(4,039,200)	1,693,200	0.0615
2043				(4,039,200)	(4,039,200)	
2044				(4,039,200)	(4,039,200)	
2045				(3,226,434)	(3,226,434)	
	\$96,620,000	\$30,270,763	\$126,890,763	(\$83,825,379)		

*\$3,100,000 of debt service was paid from sales tax, interest and fund balance; \$3,349,571 of debt service was paid from working capital for the NCHC debt deferral. A 4% growth in value was assumed.

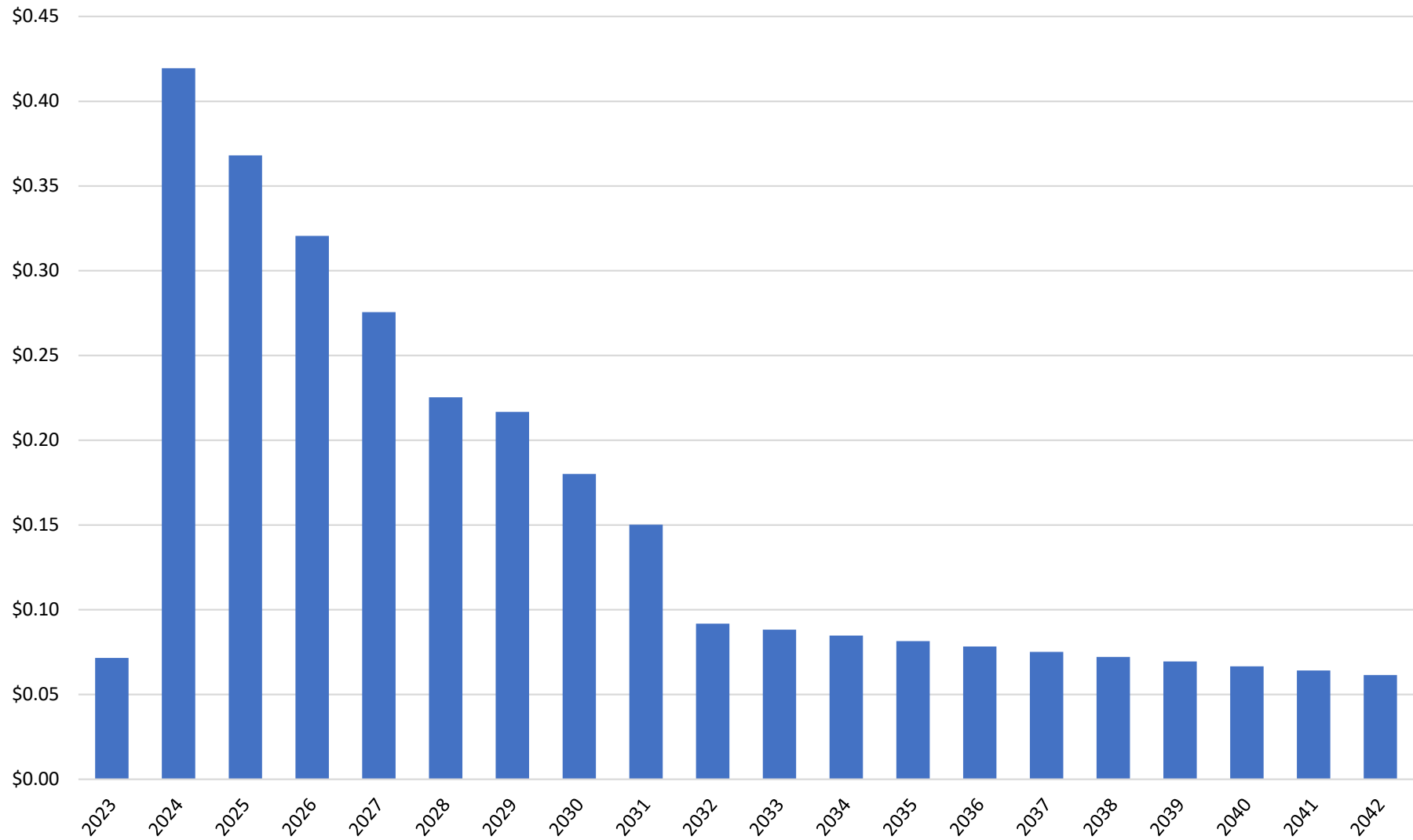
County's Outstanding GO Debt



* Net of NCHC revenues to pay back the NCHC debt.

Mill Rate on Outstanding GO Debt

Mill Rate on Existing Net Debt Service*



* Net of NCHC revenues to pay back the NCHC debt.



Financing the Highway Shop



Bond Issue Sizing Based on Project Costs

Marathon County, Wisconsin

Highway Shop Project

March 27, 2023

	Option 1 New Highway Shop GO Bonds \$58,625,000 July 1, 2025 or 2027	Option 2 Joint Shop (Highway and Parks) GO Bonds \$90,935,000 July 1, 2025 or 2027
Projects to be Financed:		
Type of Debt		
Amount of Borrowing		
Dated Date (Closing)		
Project Costs (2024 dollars)	\$58,000,000	\$90,000,000
Financial Advisor Fee (PFM)	\$16,500	\$16,500
Bond Counsel Fee (Quarles & Brady)	\$61,000	\$85,000
Disclosure Counsel Fee (Quarles & Brady)	\$30,500	\$42,500
Rating Agency Fee (Moody's)	\$44,500	\$61,500
Ipreo (posting of POS)	\$450	\$450
Underwriters Discount (not to exceed 0.8%)	\$469,000	\$727,480
Contingency (Rounding Amount)	\$3,050	\$1,570
TOTAL PAR AMOUNT OF BONDS	\$58,625,000	\$90,935,000



County's Historic Trend in Valuation

MARATHON COUNTY

History of Values

March 28, 2023

Year	TID Included Equalized Value	Year-Over-Year Change	TID Excluded Equalized Value	Year-Over-Year Change	TID Calculated
2023					
2022	14,263,141,700	11.74%	13,074,169,600	11.34%	1,188,972,100
2021	12,764,788,900	3.13%	11,742,048,800	2.47%	1,022,740,100
2020	12,377,596,900	6.34%	11,458,840,600	6.56%	918,756,300
2019	11,639,160,900	5.29%	10,753,132,800	4.40%	886,028,100
2018	11,054,104,400	4.38%	10,300,308,900	3.87%	753,795,500
2017	10,590,161,600	4.27%	9,916,480,400	3.73%	673,681,200
2016	10,156,245,000	3.08%	9,559,832,400	2.91%	596,412,600
2015	9,852,982,500	1.89%	9,289,260,900	1.68%	563,721,600
2014	9,670,069,100	2.13%	9,135,689,600	1.92%	534,379,500
2013	9,468,196,600	0.79%	8,963,288,900	0.54%	504,907,700
2012	9,393,543,300	-3.40%	8,915,050,700	-3.12%	478,492,600
2011	9,724,255,700	-1.22%	9,201,742,900	-1.28%	522,512,800
2010	9,844,078,200	-2.02%	9,321,354,200	-1.02%	522,724,000
2009	10,047,154,800	-0.34%	9,417,090,700	-0.29%	630,064,100
2008	10,081,570,300	6.18%	9,444,208,500	5.60%	637,361,800
2007	9,495,029,700	6.07%	8,943,537,550	5.36%	551,492,150
2006	8,951,412,200	9.87%	8,488,768,750		462,643,450
2005	8,147,380,600	6.64%			
2004	7,640,172,300				
Last 18 Years		3.6%	Last 16 Year	2.8%	
Last 10 Years		4.3%	Last 10 Years	3.9%	
Last Five Years		6.2%	Last Five Years	5.7%	

Sources:

Wisconsin Department of Revenue, *Statement of Changes in Equalized Values*

Wisconsin Department of Revenue, *Report Used for Apportionment of County Levy*

Option 1 – Highway Shop Only – Bonds Issued in 2025

Marathon County, Wisconsin

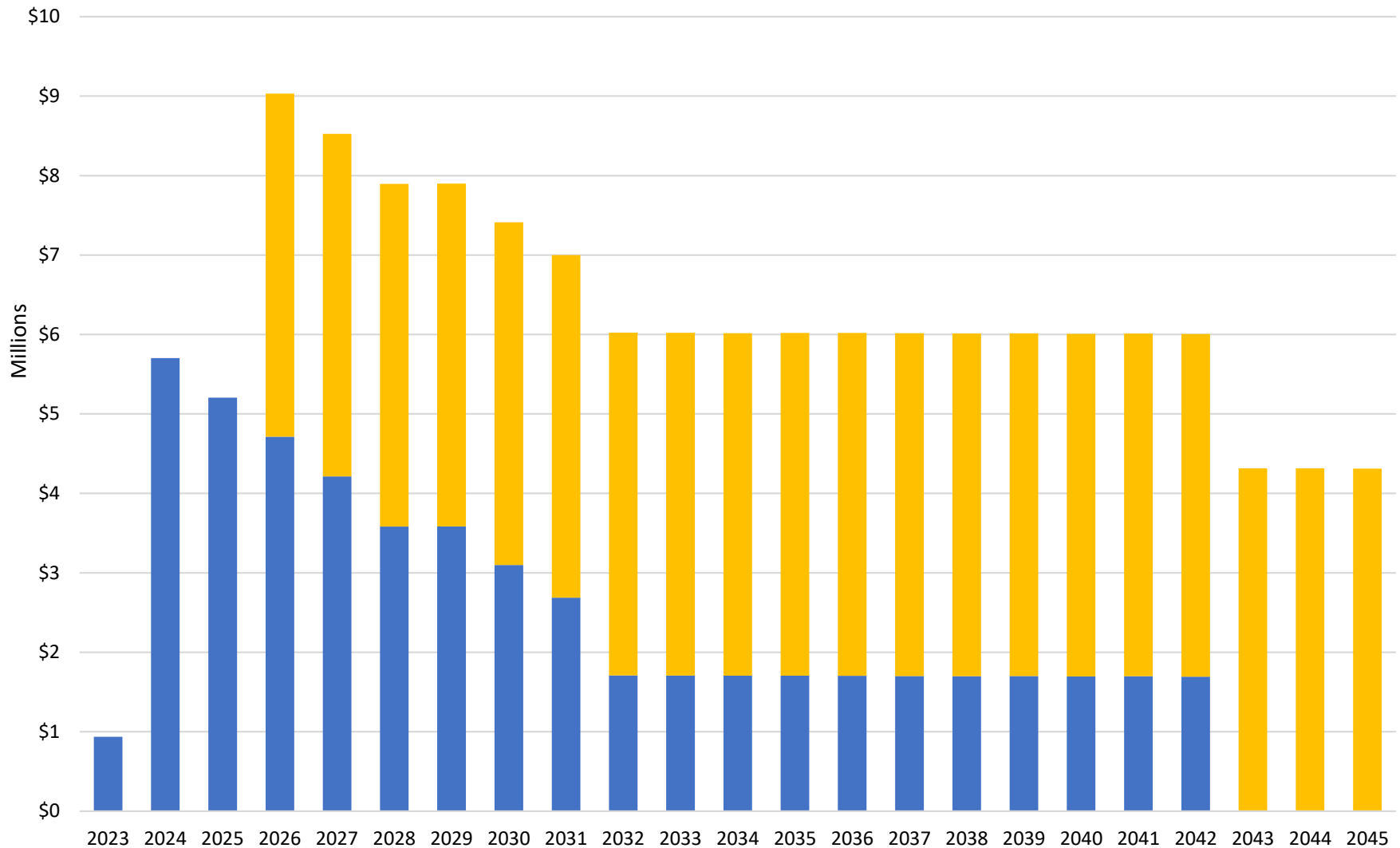
Option 1 - New Highway Shop - 20 Year Bonds Issued in 2025

Assumptions:	
Dated Date (Issuance Date):	July 1, 2025
Debt Structure:	Level P&I
Average Coupon (0.50% above current market conditions):	4.15%
Growth in Value:	4.00%

Fiscal Year	TID Out Equalized Value	Principal	Interest	Total Debt Service (Level P&I)		Mill Rate	Existing Net Debt Service	Existing Mill Rate	Net Debt Service Following the Issuance of the Bonds	Mill Rate Following the Issuance of the Bonds	Property Value	Tax Increase (2025 to 2026)
2023	13,074,169,600						934,991		934,991		100,000	\$ 29.35
2024	13,597,136,384						5,703,100	0.4194	5,703,100	0.4194	200,000	58.70
2025	14,141,021,839						5,204,919	0.3681	5,204,919	0.3681	300,000	88.05
2026	14,706,662,713	\$1,895,000	\$2,421,507	\$4,316,507	0.2935		4,714,894	0.3206	9,031,401	0.6141	400,000	117.40
2027	15,294,929,221	2,140,000	2,172,842	4,312,842	0.2820		4,214,400	0.2755	8,527,242	0.5575	500,000	146.75
2028	15,906,726,390	2,205,000	2,108,211	4,313,211	0.2712		3,583,417	0.2253	7,896,628	0.4964	600,000	176.10
2029	16,542,995,446	2,275,000	2,040,091	4,315,091	0.2608		3,584,771	0.2167	7,899,862	0.4775	700,000	205.45
2030	17,204,715,264	2,345,000	1,968,015	4,313,015	0.2507		3,098,955	0.1801	7,411,970	0.4308	800,000	234.81
2031	17,892,903,874	2,420,000	1,893,080	4,313,080	0.2410		2,687,300	0.1502	7,000,380	0.3912	900,000	264.16
2032	18,608,620,029	2,500,000	1,814,719	4,314,719	0.2319		1,708,500	0.0918	6,023,219	0.3237	1,000,000	293.51
2033	19,352,964,830	2,580,000	1,732,927	4,312,927	0.2229		1,707,600	0.0882	6,020,527	0.3111	1,500,000	440.26
2034	20,127,083,424	2,665,000	1,646,621	4,311,621	0.2142		1,704,900	0.0847	6,016,521	0.2989	2,000,000	587.01
2035	20,932,166,761	2,760,000	1,553,269	4,313,269	0.2061		1,705,300	0.0815	6,018,569	0.2875	2,500,000	733.77
2036	21,769,453,431	2,865,000	1,449,833	4,314,833	0.1982		1,703,700	0.0783	6,018,533	0.2765	3,000,000	880.52
2037	22,640,231,568	2,980,000	1,335,959	4,315,959	0.1906		1,700,100	0.0751	6,016,059	0.2657	3,500,000	1,027.27
2038	23,545,840,831	3,100,000	1,213,876	4,313,876	0.1832		1,699,400	0.0722	6,013,276	0.2554	4,000,000	1,174.03
2039	24,487,674,464	3,230,000	1,083,277	4,313,277	0.1761		1,701,400	0.0695	6,014,677	0.2456	4,500,000	1,320.78
2040	25,467,181,443	3,370,000	942,480	4,312,480	0.1693		1,696,100	0.0666	6,008,580	0.2359	5,000,000	1,467.53
2041	26,485,868,701	3,520,000	792,439	4,312,439	0.1628		1,698,400	0.0641	6,010,839	0.2269		
2042	27,545,303,449	3,680,000	634,015	4,314,015	0.1566		1,693,200	0.0615	6,007,215	0.2181		
2043	28,647,115,587	3,850,000	465,493	4,315,493	0.1506		(4,039,200)		276,293	0.1506		
2044	29,793,000,210	4,030,000	286,397	4,316,397	0.1449		(4,039,200)		277,197	0.1449		
2045	30,984,720,218	4,215,000	97,156	4,312,156	0.1392		(3,226,434)		1,085,722	0.1392		
		\$58,625,000	\$27,652,203	\$86,277,203								

Option 1 – Highway Shop Only – Bonds Issued in 2025

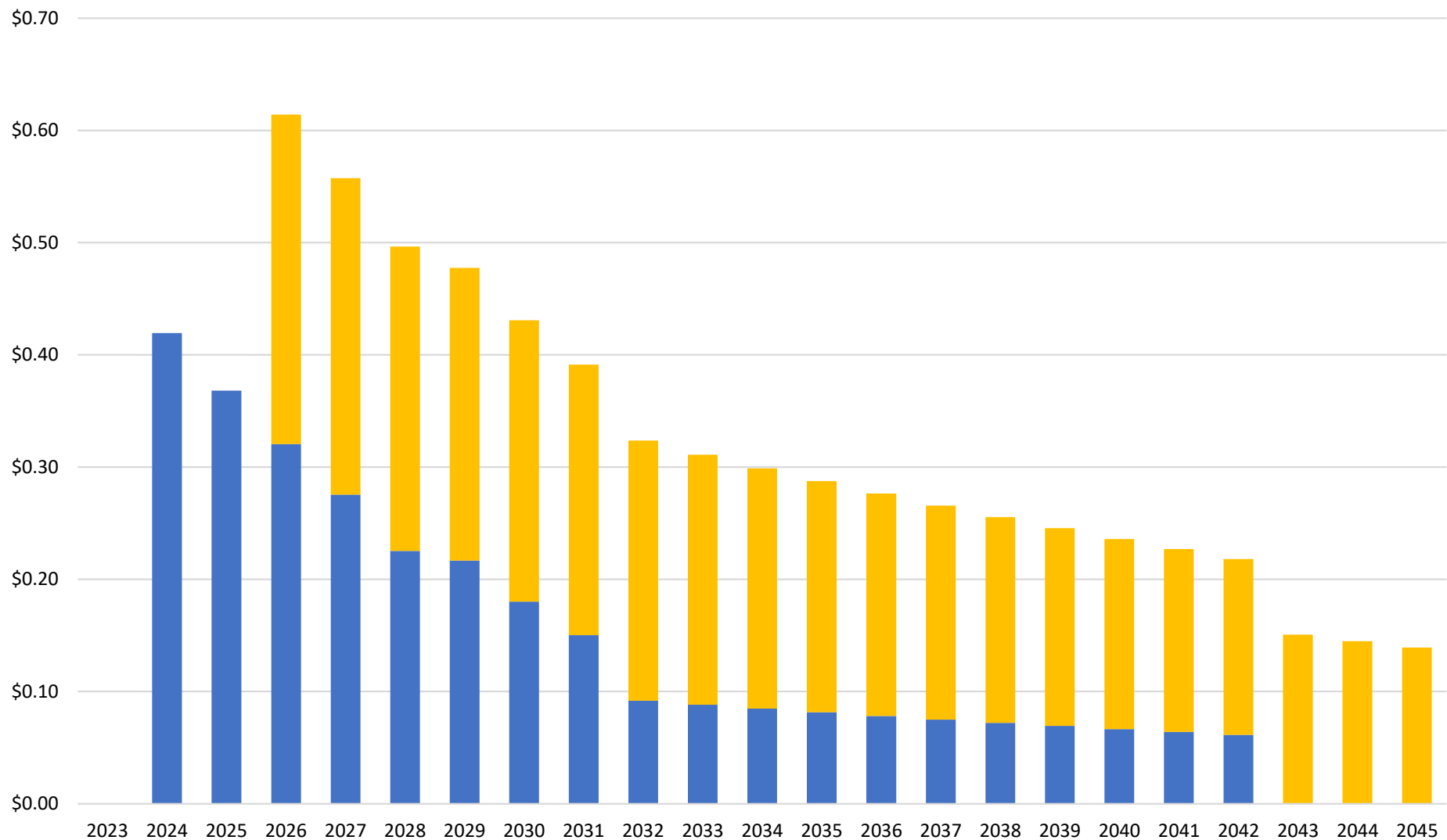
Existing Net Debt Service + \$59M Issuance (Level P&I*) in 2025



* NOTE: Bonds can be structured in a variety of ways to meet the goals of the County.

Option 1 – Highway Shop Only – Bonds Issued in 2025

Existing Mill Rate + \$59M Issuance in 2025



Option 1 – Highway Shop Only – Bonds Issued in 2027

Marathon County, Wisconsin

Option 1 - New Highway Shop - 20 Year Bonds Issued in 2027

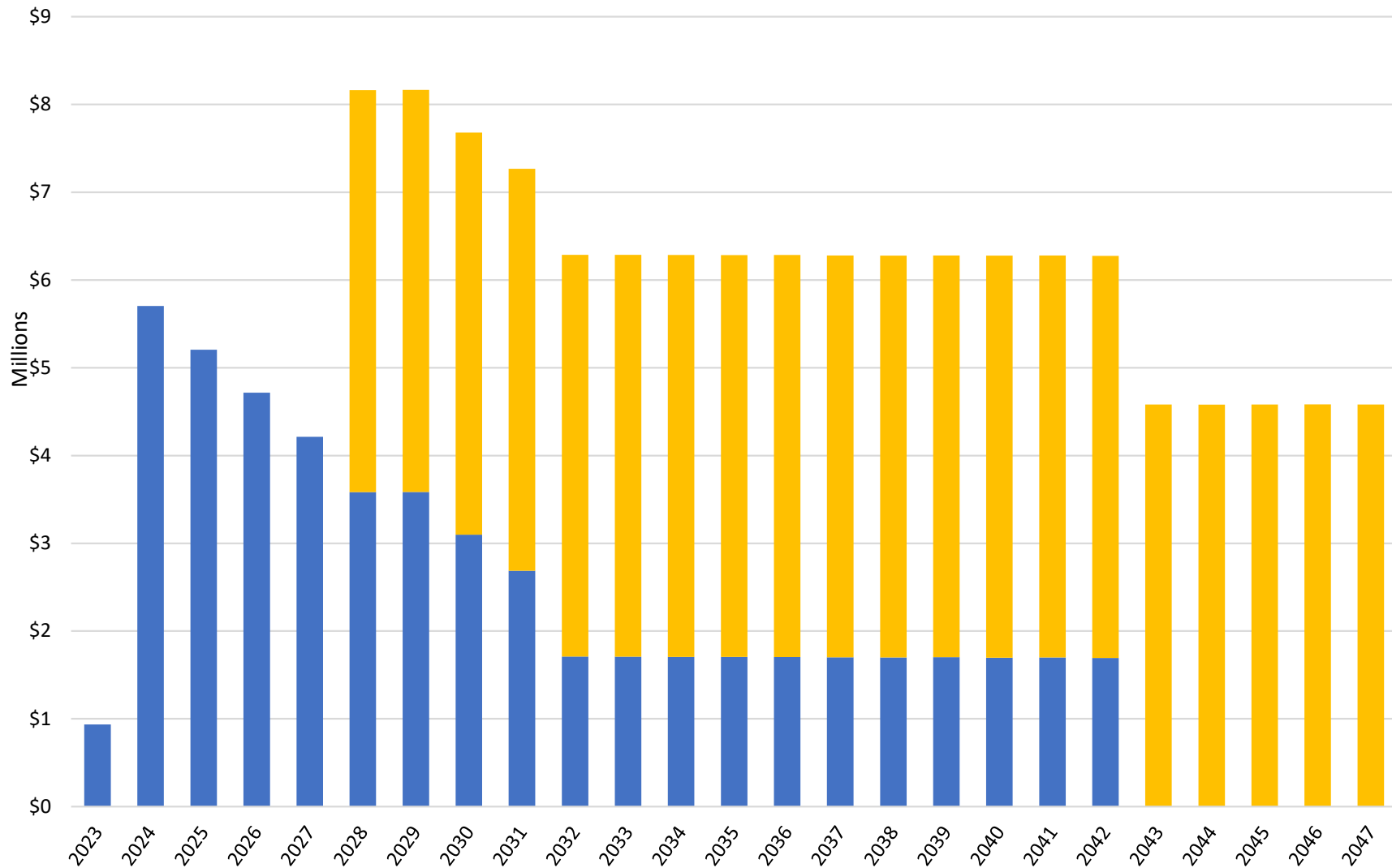
March 28, 2023

Assumptions:	
Dated Date (Issuance Date):	July 1, 2027
Debt Structure:	Level P&I
Average Coupon (1.00% above current market conditions):	4.85%
Growth in Value:	4.00%

Fiscal Year	TID Out	Principal	Interest	Total Debt	Mill Rate	Existing Net Debt Service	Existing Mill Rate	Net Debt Service Following the Issuance of the Bonds	Mill Rate Following the Issuance of the Bonds	Property Value	Tax Increase
	Equalized Value			Service (Level P&I)							(2027 to 2028)
2023	13,074,169,600					934,991		934,991		100,000	\$ 28.79
2024	13,597,136,384					5,703,100	0.4194	5,703,100	0.4194	200,000	57.57
2025	14,141,021,839					5,204,919	0.3681	5,204,919	0.3681	300,000	86.36
2026	14,706,662,713					4,714,894	0.3206	4,714,894	0.3206	400,000	115.15
2027	15,294,929,221					4,214,400	0.2755	4,214,400	0.2755	500,000	143.93
2028	15,906,726,390	\$1,710,000	\$2,868,990	\$4,578,990	0.2879	3,583,417	0.2253	8,162,407	0.5131	600,000	172.72
2029	16,542,995,446	2,000,000	2,580,248	4,580,248	0.2769	3,584,771	0.2167	8,165,019	0.4936	700,000	201.51
2030	17,204,715,264	2,075,000	2,506,487	4,581,487	0.2663	3,098,955	0.1801	7,680,442	0.4464	800,000	230.29
2031	17,892,903,874	2,150,000	2,429,481	4,579,481	0.2559	2,687,300	0.1502	7,266,781	0.4061	900,000	259.08
2032	18,608,620,029	2,230,000	2,348,769	4,578,769	0.2461	1,708,500	0.0918	6,287,269	0.3379	1,000,000	287.87
2033	19,352,964,830	2,315,000	2,264,228	4,579,228	0.2366	1,707,600	0.0882	6,286,828	0.3249	1,500,000	431.80
2034	20,127,083,424	2,405,000	2,174,757	4,579,757	0.2275	1,704,900	0.0847	6,284,657	0.3122	2,000,000	575.73
2035	20,932,166,761	2,500,000	2,078,086	4,578,086	0.2187	1,705,300	0.0815	6,283,386	0.3002	2,500,000	719.66
2036	21,769,453,431	2,610,000	1,971,335	4,581,335	0.2104	1,703,700	0.0783	6,285,035	0.2887	3,000,000	863.60
2037	22,640,231,568	2,725,000	1,854,055	4,579,055	0.2023	1,700,100	0.0751	6,279,155	0.2773	3,500,000	1,007.53
2038	23,545,840,831	2,850,000	1,728,171	4,578,171	0.1944	1,699,400	0.0722	6,277,571	0.2666	4,000,000	1,151.46
2039	24,487,674,464	2,985,000	1,593,193	4,578,193	0.1870	1,701,400	0.0695	6,279,593	0.2564	4,500,000	1,295.39
2040	25,467,181,443	3,135,000	1,447,328	4,582,328	0.1799	1,696,100	0.0666	6,278,428	0.2465	5,000,000	1,439.33
2041	26,485,868,701	3,290,000	1,291,349	4,581,349	0.1730	1,698,400	0.0641	6,279,749	0.2371		
2042	27,545,303,449	3,455,000	1,126,072	4,581,072	0.1663	1,693,200	0.0615	6,274,272	0.2278		
2043	28,647,115,587	3,635,000	946,396	4,581,396	0.1599	(4,039,200)		542,196	0.1599		
2044	29,793,000,210	3,825,000	754,922	4,579,922	0.1537	(4,039,200)		540,722	0.1537		
2045	30,984,720,218	4,025,000	555,120	4,580,120	0.1478	(3,226,434)		1,353,686	0.1478		
2046	32,224,109,027	4,240,000	342,677	4,582,677	0.1422			4,582,677	0.1422		
2047	33,513,073,388	4,465,000	116,537	4,581,537	0.1367			4,581,537	0.1367		
		\$58,625,000	\$32,978,197	\$91,603,197							

Option 1 – Highway Shop Only – Bonds Issued in 2027

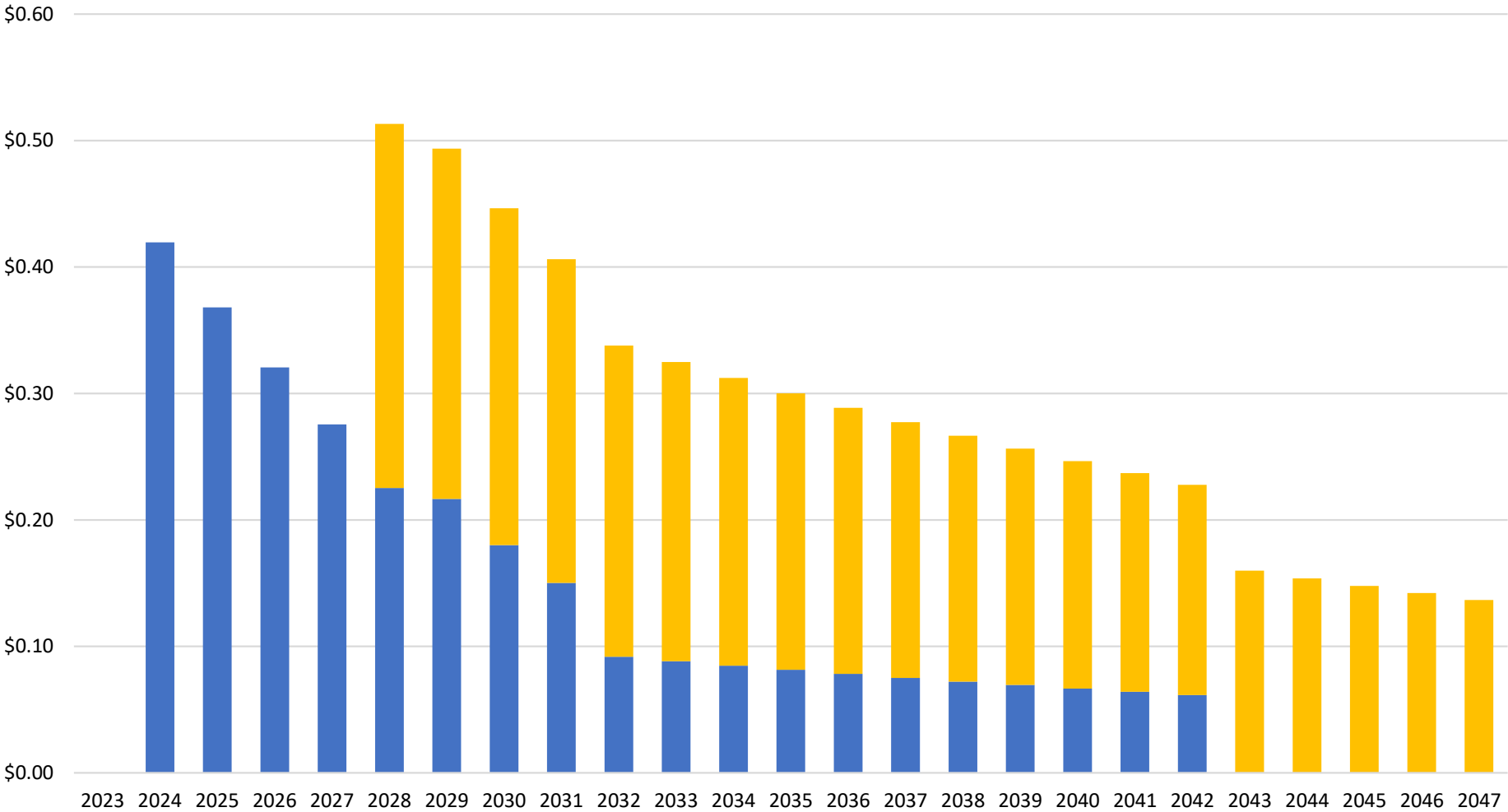
Existing Net Debt Service + \$59M (Level P&I*) Issuance in 2027



* NOTE: Bonds can be structured in a variety of ways to meet the goals of the County.

Option 1 – Highway Shop Only – Bonds Issued in 2027

Existing Mill Rate + \$59M Issuance in 2027



Option 2 – Highway/Parks Shop – Bonds Issued in 2025

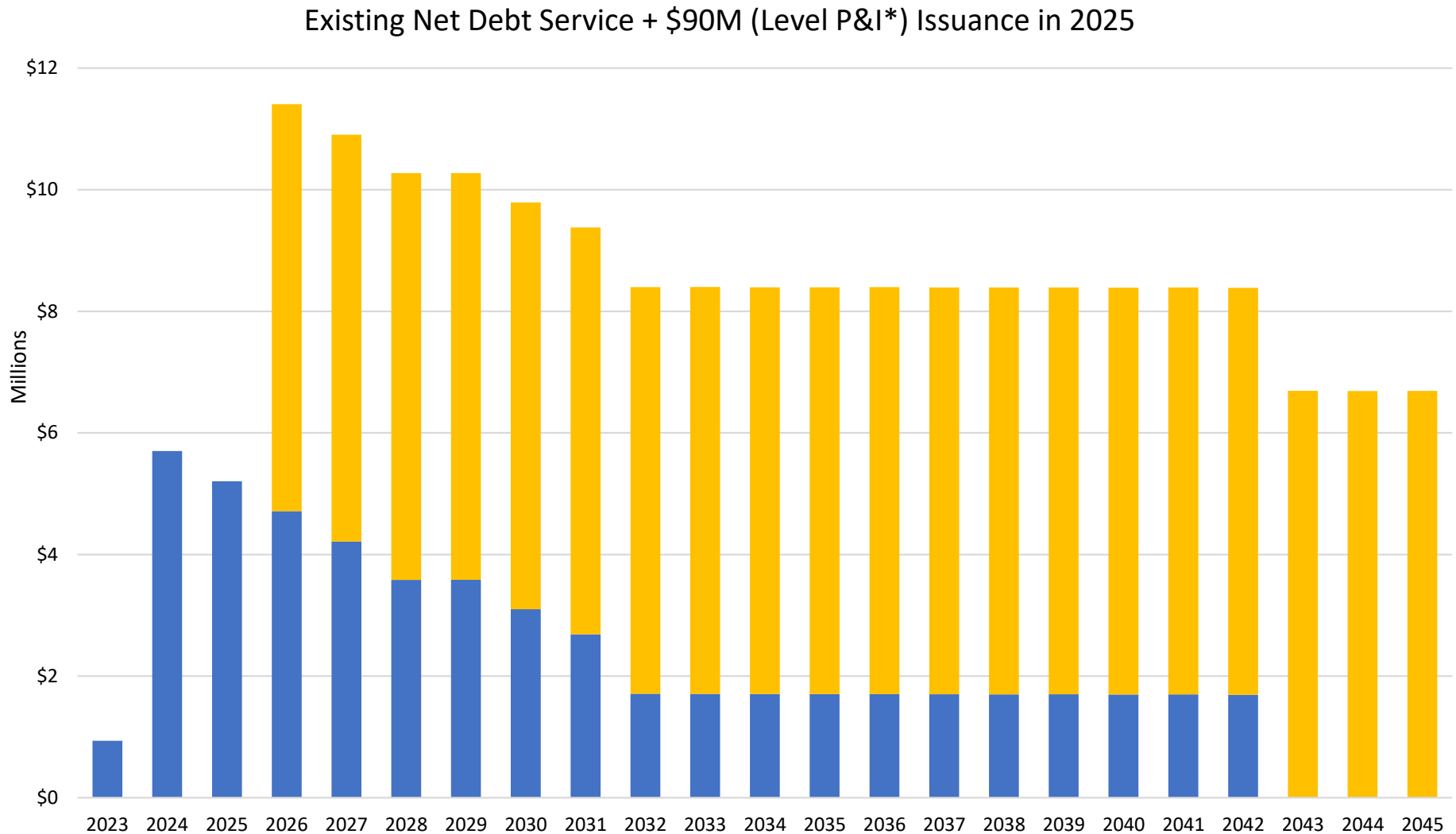
Marathon County, Wisconsin

Option 2 - New Highway Shop - 20 Year Bonds Issued in 2025

Assumptions:	
Dated Date (Issuance Date):	July 1, 2025
Debt Structure:	Level P&I
Average Coupon (0.50% above market conditions):	4.15%
Growth in Value:	4.00%

Fiscal Year	TID Out Equalized Value	Principal	Interest	Total Debt Service (Level P&I)		Mill Rate	Existing Net Debt Service	Existing Mill Rate	Net Debt Service Following the Issuance of the Bonds	Mill Rate Following the Issuance of the Bonds	Property Value	Tax Increase (2025 to 2026)
2023	13,074,169,600						934,991		934,991		100,000	\$ 45.50
2024	13,597,136,384						5,703,100	0.4194	5,703,100	0.4194	200,000	91.00
2025	14,141,021,839						5,204,919	0.3681	5,204,919	0.3681	300,000	136.49
2026	14,706,662,713	\$2,935,000	\$3,756,182	\$6,691,182	0.4550		4,714,894	0.3206	11,406,076	0.7756	400,000	181.99
2027	15,294,929,221	3,320,000	3,370,523	6,690,523	0.4374		4,214,400	0.2755	10,904,923	0.7130	500,000	227.49
2028	15,906,726,390	3,420,000	3,270,268	6,690,268	0.4206		3,583,417	0.2253	10,273,685	0.6459	600,000	272.99
2029	16,542,995,446	3,525,000	3,164,667	6,689,667	0.4044		3,584,771	0.2167	10,274,438	0.6211	700,000	318.48
2030	17,204,715,264	3,640,000	3,052,888	6,692,888	0.3890		3,098,955	0.1801	9,791,843	0.5691	800,000	363.98
2031	17,892,903,874	3,755,000	2,936,593	6,691,593	0.3740		2,687,300	0.1502	9,378,893	0.5242	900,000	409.48
2032	18,608,620,029	3,875,000	2,815,070	6,690,070	0.3595		1,708,500	0.0918	8,398,570	0.4513	1,000,000	454.98
2033	19,352,964,830	4,005,000	2,688,195	6,693,195	0.3458		1,707,600	0.0882	8,400,795	0.4341	1,500,000	682.46
2034	20,127,083,424	4,135,000	2,554,253	6,689,253	0.3324		1,704,900	0.0847	8,394,153	0.4171	2,000,000	909.95
2035	20,932,166,761	4,280,000	2,409,450	6,689,450	0.3196		1,705,300	0.0815	8,394,750	0.4010	2,500,000	1,137.44
2036	21,769,453,431	4,445,000	2,249,009	6,694,009	0.3075		1,703,700	0.0783	8,397,709	0.3858	3,000,000	1,364.93
2037	22,640,231,568	4,620,000	2,072,402	6,692,402	0.2956		1,700,100	0.0751	8,392,502	0.3707	3,500,000	1,592.42
2038	23,545,840,831	4,810,000	1,883,052	6,693,052	0.2843		1,699,400	0.0722	8,392,452	0.3564	4,000,000	1,819.90
2039	24,487,674,464	5,010,000	1,680,450	6,690,450	0.2732		1,701,400	0.0695	8,391,850	0.3427	4,500,000	2,047.39
2040	25,467,181,443	5,230,000	1,461,999	6,691,999	0.2628		1,696,100	0.0666	8,388,099	0.3294	5,000,000	2,274.88
2041	26,485,868,701	5,465,000	1,229,098	6,694,098	0.2527		1,698,400	0.0641	8,392,498	0.3169		
2042	27,545,303,449	5,710,000	983,211	6,693,211	0.2430		1,693,200	0.0615	8,386,411	0.3045		
2043	28,647,115,587	5,970,000	721,813	6,691,813	0.2336		(4,039,200)		2,652,613	0.2336		
2044	29,793,000,210	6,245,000	444,192	6,689,192	0.2245		(4,039,200)		2,649,992	0.2245		
2045	30,984,720,218	6,540,000	150,747	6,690,747	0.2159		(3,226,434)		3,464,313	0.2159		
		\$90,935,000	\$42,894,060	\$133,829,060								

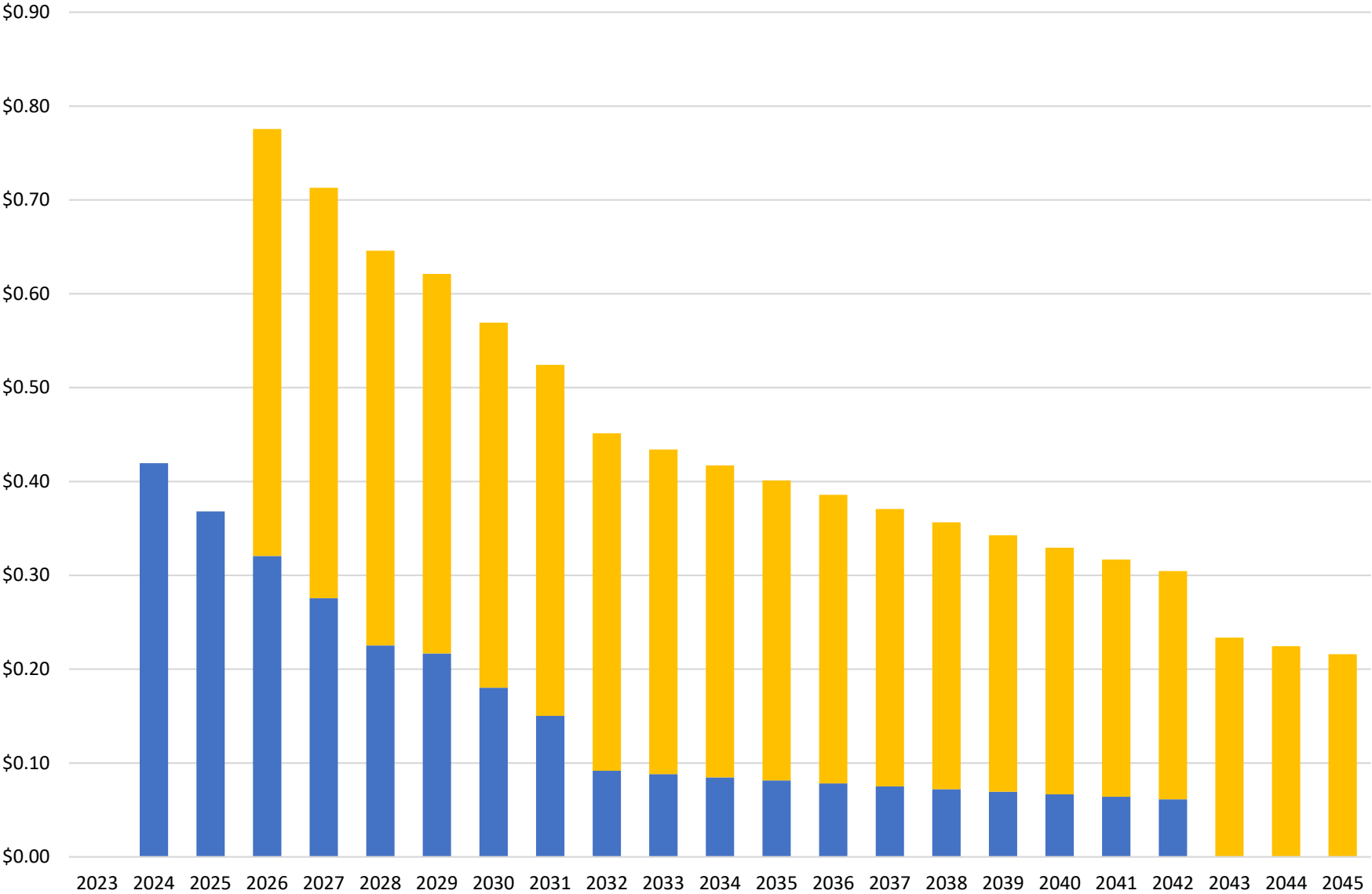
Option 2 – Highway/Parks Shop – Bonds Issued in 2025



* NOTE: Bonds can be structured in a variety of ways to meet the goals of the County.

Option 2 – Highway/Parks Shop – Bonds Issued in 2025

Existing Mill Rate + \$90M Issuance in 2025



Option 2 – Highway/Parks Shop – Bonds Issued in 2027

Marathon County, Wisconsin

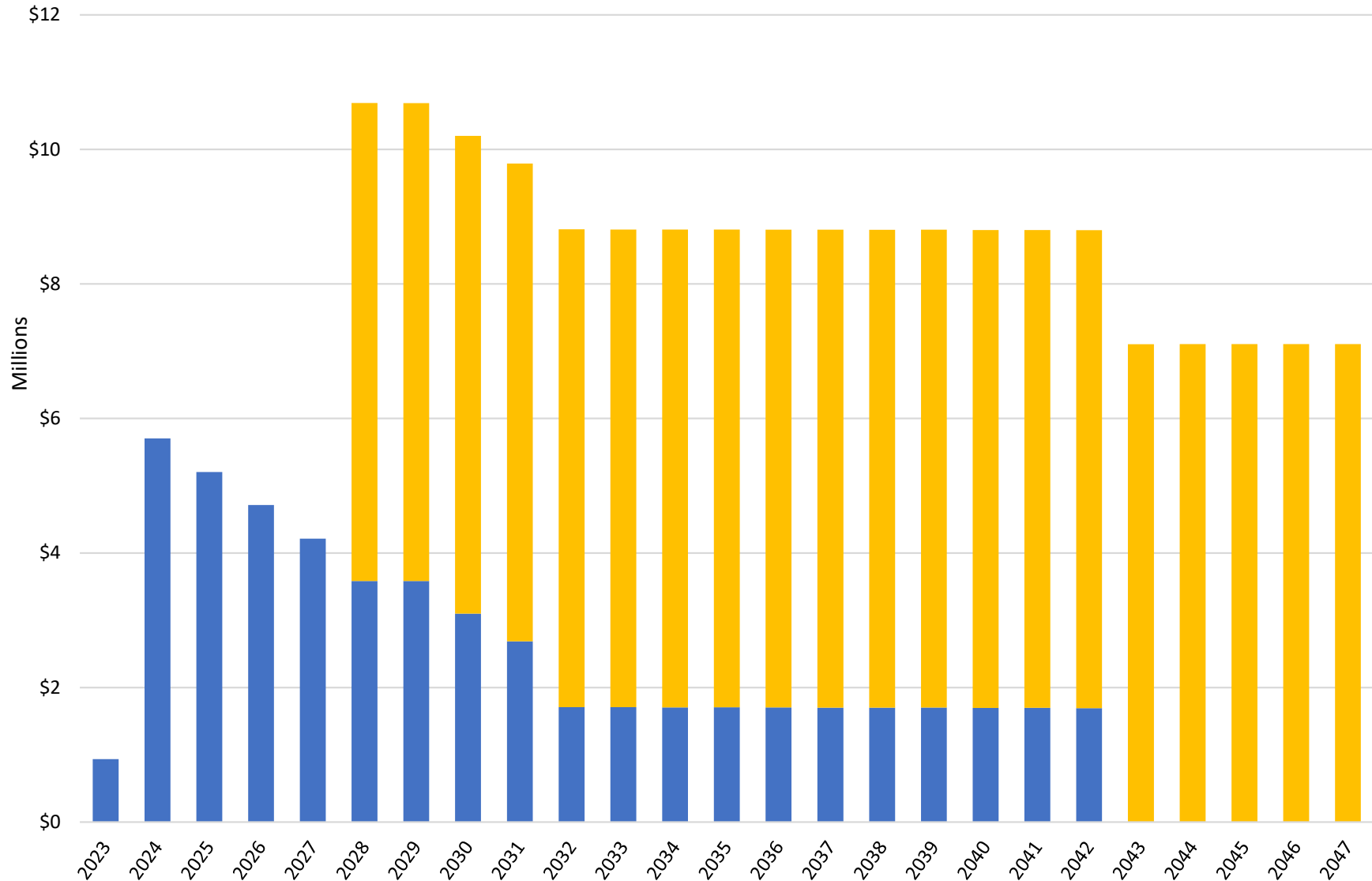
Option 2 - New Highway Shop - 20 Year Bonds Issued in 2027

Assumptions:	
Dated Date (Issuance Date):	July 1, 2027
Debt Structure:	Level P&I
Average Coupon (1.00% above current market conditions):	4.85%
Growth in Value:	4.00%

Total Debt Service (Level P&I)						Net Debt Service Following the Issuance of the Bonds		Mill Rate Following the Issuance of the Bonds		Tax Increase (2027 to 2028)	
Fiscal Year	TID Out Equalized Value	Principal	Interest	P&I	Mill Rate	Existing Net Debt Service	Existing Mill Rate			Property Value	
2023	13,074,169,600					934,991		934,991		100,000	\$ 44.67
2024	13,597,136,384					5,703,100	0.4194	5,703,100	0.4194	200,000	89.33
2025	14,141,021,839					5,204,919	0.3681	5,204,919	0.3681	300,000	134.00
2026	14,706,662,713					4,714,894	0.3206	4,714,894	0.3206	400,000	178.67
2027	15,294,929,221					4,214,400	0.2755	4,214,400	0.2755	500,000	223.34
2028	15,906,726,390	\$2,655,000	\$4,450,128	\$7,105,128	0.4467	3,583,417	0.2253	10,688,545	0.6720	600,000	268.00
2029	16,542,995,446	3,100,000	4,002,248	7,102,248	0.4293	3,584,771	0.2167	10,687,019	0.6460	700,000	312.67
2030	17,204,715,264	3,215,000	3,887,940	7,102,940	0.4128	3,098,955	0.1801	10,201,895	0.5930	800,000	357.34
2031	17,892,903,874	3,335,000	3,768,558	7,103,558	0.3970	2,687,300	0.1502	9,790,858	0.5472	900,000	402.01
2032	18,608,620,029	3,460,000	3,643,344	7,103,344	0.3817	1,708,500	0.0918	8,811,844	0.4735	1,000,000	446.67
2033	19,352,964,830	3,590,000	3,512,208	7,102,208	0.3670	1,707,600	0.0882	8,809,808	0.4552	1,500,000	670.01
2034	20,127,083,424	3,730,000	3,373,452	7,103,452	0.3529	1,704,900	0.0847	8,808,352	0.4376	2,000,000	893.35
2035	20,932,166,761	3,880,000	3,223,467	7,103,467	0.3394	1,705,300	0.0815	8,808,767	0.4208	2,500,000	1,116.69
2036	21,769,453,431	4,045,000	3,057,913	7,102,913	0.3263	1,703,700	0.0783	8,806,613	0.4045	3,000,000	1,340.02
2037	22,640,231,568	4,230,000	2,876,001	7,106,001	0.3139	1,700,100	0.0751	8,806,101	0.3890	3,500,000	1,563.36
2038	23,545,840,831	4,425,000	2,680,570	7,105,570	0.3018	1,699,400	0.0722	8,804,970	0.3740	4,000,000	1,786.70
2039	24,487,674,464	4,635,000	2,470,989	7,105,989	0.2902	1,701,400	0.0695	8,807,389	0.3597	4,500,000	2,010.03
2040	25,467,181,443	4,860,000	2,244,687	7,104,687	0.2790	1,696,100	0.0666	8,800,787	0.3456	5,000,000	2,233.37
2041	26,485,868,701	5,100,000	2,002,890	7,102,890	0.2682	1,698,400	0.0641	8,801,290	0.3323		
2042	27,545,303,449	5,360,000	1,746,581	7,106,581	0.2580	1,693,200	0.0615	8,799,781	0.3195		
2043	28,647,115,587	5,635,000	1,467,947	7,102,947	0.2479	(4,039,200)		3,063,747	0.2479		
2044	29,793,000,210	5,935,000	1,170,984	7,105,984	0.2385	(4,039,200)		3,066,784	0.2385		
2045	30,984,720,218	6,245,000	860,972	7,105,972	0.2293	(3,226,434)		3,879,538	0.2293		
2046	32,224,109,027	6,575,000	531,449	7,106,449	0.2205			7,106,449	0.2205		
2047	33,513,073,388	6,925,000	180,743	7,105,743	0.2120			7,105,743	0.2120		
		\$90,935,000	\$51,153,066	\$142,088,066							

Option 2 – Highway/Parks Shop – Bonds Issued in 2027

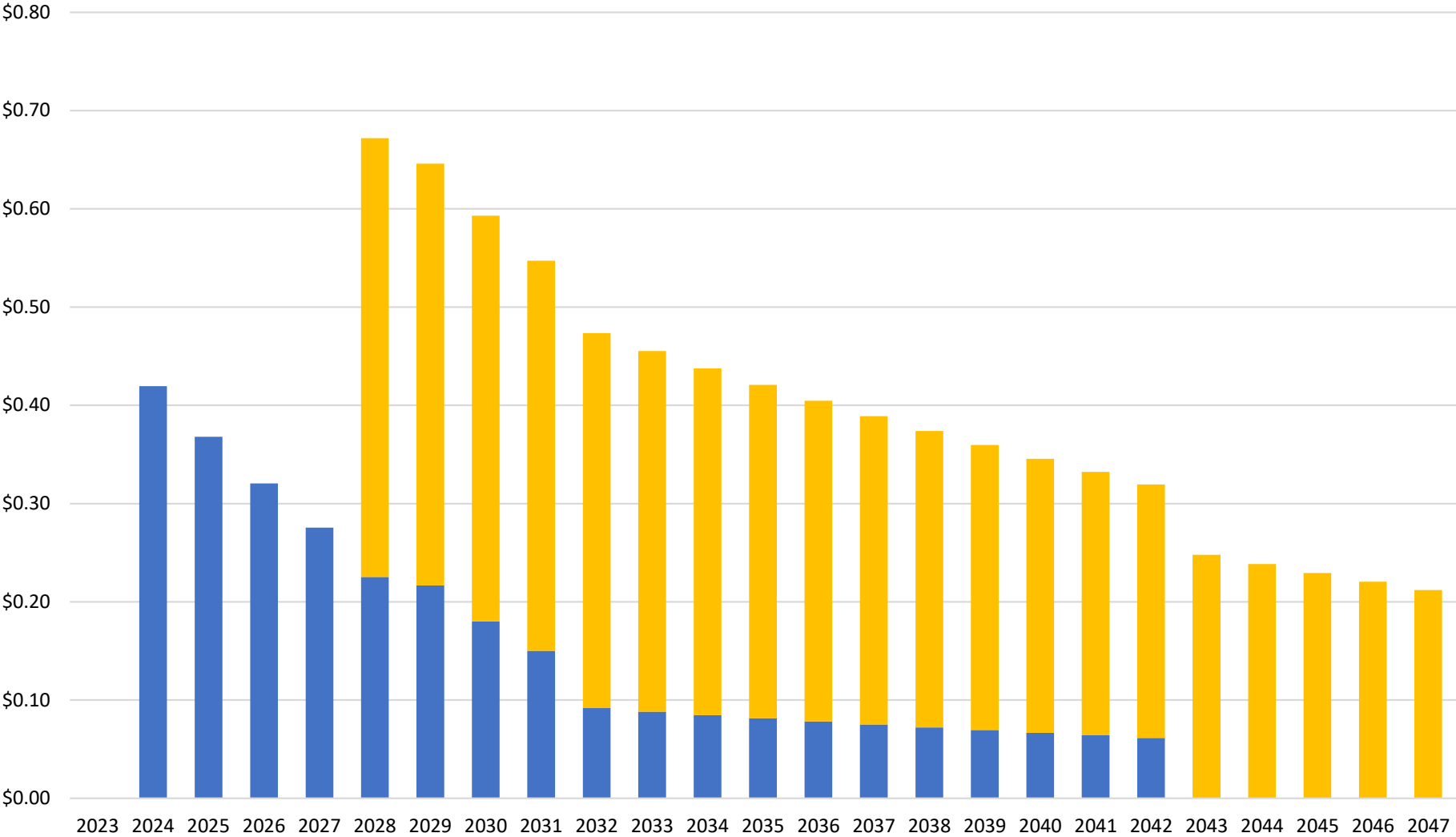
Existing Net Debt Service + \$90M (Level P&I*) Issuance in 2027



* NOTE: Bonds can be structured in a variety of ways to meet the goals of the County.

Option 2 – Highway/Parks Shop – Bonds Issued in 2027

Existing Mill Rate + \$90M Issuance in 2027

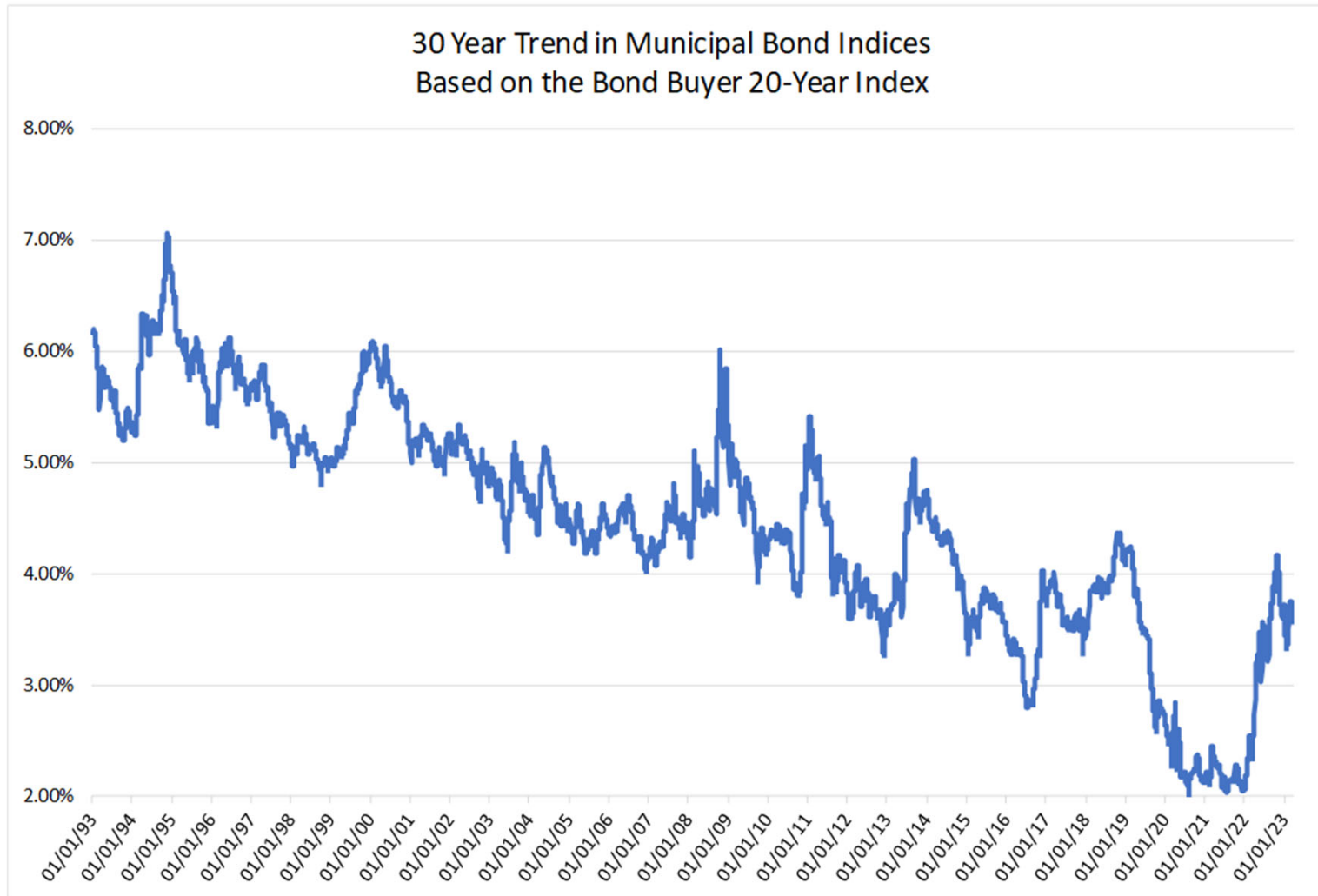




Market Conditions



Market Conditions



Source: The Bond Buyer. The 20-Bond GO Index compiles general obligation bonds maturing in 20 years. The 20-bond index has an average rating equivalent to Moody's Aa2 and S&P's AA. Data is current to March 23, 2023. Marathon County has a Aa1 rating from Moody's.



MEMORANDUM

DATE: March 31, 2023

TO: Infrastructure Committee

FROM: Marathon County Conservation, Planning & Zoning (CPZ)

SUBJECT: Overview of Stormwater Quality Management Plan Update Recommendations

Purpose of Briefing

Strand Associates Inc., the contractor hired by Marathon County CPZ to complete the Stormwater Quality Management Plan Update, will be giving a full briefing to the County Board in April. We are presenting a higher-level summary of the recommendations to the ERC and Infrastructure Committee ahead of this presentation to gather input and additional questions we should have Strand Associates Inc. address in the County Board presentation.

Background

Marathon County holds a Municipal Separate Storm Sewer System (MS4)¹ permit for pollutant discharge from our facilities within the Wausau Urbanized Area. As part of the permit, the County must comply with Impaired Waterbodies and Total Maximum Daily Load (TMDL) requirements. The figure below and on page 2 illustrate Marathon County is currently not in compliance for Total Phosphorus (TP) pollutants within Reach 154 of the Wisconsin River Basin of our MS4.

Pollutant	MS4 Permit Required Reductions (%)	Wisconsin River TMDL (SSC) Required Reductions (%)	Existing Conditions Reductions (%)	TMDL Pollutant Reduction Gap or Excess (-) (%)	TMDL Pollutant Reduction Gap or Excess (-) (lb)
TSS	20	Reach 153: NA	99.65	In Compliance	In Compliance
		Reach 154: NA	47.85		
		Reach 155: NA	86.01		
		Reach 156: NA	99.97		
		Reach 217: NA	96.84		
		Reach 263: NA	75.43		
		Reach 290: NA	95.40		
		Countywide	65.09		
TP	NA	Reach 153: 68.6	99.52	-30.9	-2.0
		Reach 154: 68.6	39.21	-29.4	-42.7
		Reach 155: 68.6	83.25	-14.6	-2.1
		Reach 156: 68.6	99.95	-31.4	-1.9
		Reach 217: 68.6	96.32	-27.7	-2.5
		Reach 263: 68.6	69.48	-0.9	-1.1
		Reach 290: 68.6	94.76	-26.2	-2.7
		Countywide	59.18		42.7

Note: SSC=Site Specific Criteria

Table 5.01-1 Required and Existing Conditions Pollutant Reductions According to Wisconsin River TMDL Reach

¹ The U.S. EPA develops stormwater runoff requirements. The Wisconsin Department of Natural Resources is responsible for administering the U.S. EPA Permit Program. Chapter 283 Wis. Stats, and chapters NR 151 and 216 of the Wis. Admin Code outline the regulations for owners and operators MS4s to discharge, and compliance requirements for these permits.





Where not in compliance, the County is required to submit a written plan to WDNR describing actions the County will pursue to achieve compliance, including:

- Recommendations and options for stormwater control measures that will be considered to reduce discharge of each pollutant of concern.
- A proposed schedule for pursuing the options identified.
- A cost-effective analysis for implementation of the recommendations and options identified.

In 2019, via a WDNR grant, Strand Associates Inc. was brought onboard to model and analyze where the County was not in compliance with pollutant discharges, and model alternatives that could help us achieve compliance over time. WDNR was also involved in the review of the analysis and recommendation development.

Recommendations from Strand

The tables on the last page outline recommended actions and a timeline from our Stormwater Quality Management Plan to achieve the required TP reduction. It includes Water Quality Trading, construction projects, and enhanced operation projects. There are several things to note as it relates to these recommendations:

- Outside of the Water Quality Trading (WQT) options, other projects or efforts to reduce TP must occur within Reach 154.
- WQT options include internal, or upstream of Reach 154, and possibly agricultural credits that can occur in the larger watershed. Some of the rules and parameters for using WQT credits toward pollutant reduction are still being developed by WDNR. So, while this may end up being the most cost-effective strategy for the County to pursue initially, certain elements of WQT are still in development. Further, WQT, cannot be used to meet our required reductions into perpetuity.
- The ultimate TP reduction we are being asked to achieve is 42.7lbs. Currently, WDNR wants at least a 10% reduction (4.3lbs) by 2030. When we renew our MS4 permit in 2025, they will prescribe what additional percent reduction Marathon County needs to achieve by 2035. There is no disincentive to achieving more pounds of reduction ahead of schedule. There may be some incentive to begin projects before the deadlines in order to receive WDNR grant funding.
- WDNR requires we submit a plan, giving a general roadmap of what we intend to pursue to achieve compliance. However, if further design, funding constraints, or other barriers present themselves that make a project unattainable, we can complete additional analysis to find other options.
- The Marathon County Park project will require coordination to determine its feasibility relative to the West Side Master Plan. The proposed pond illustrates a possible solution and demonstrates the relative size of the project required to meet TP reductions.

Timeline and Process for Implementation

With the analysis complete, Marathon County must explore options to begin implementing recommendations. For construction projects, further design analysis, and exploration of partnering, and funding options will be conducted. For operating recommendations, further analysis is needed to identify how to implement, maintain, and monitor the efforts. The operating recommendations need to be further analyzed as it relates to department lead, capacity, and process for completing and tracking the efforts. For WQT, further discussion and research with the WDNR is needed to determine if agricultural WQTs are a possible option for Marathon County, and what the rules and parameters will be for using those credits. With all recommendations in this the Stormwater Quality Management Plan there are further decisions that will need to be made by the County as implementation progresses.



If you have any questions you would like to make sure Strand addresses in the April 20, 2023, presentation to County Board, please email them to: Jeff.Pritchard@co.marathon.wi.us and Laurie.Miskimins@co.marathon.wi.us.



Table 5.04-1 Summary of Alternatives

Condition or BMP	Proposed BMP Type	Figure Number	Basin Treated	Treated Area (acres)	Property Acquisition or Easement Needed?	Navigable Stream	Wetlands or Wetland Indicator Soils	Wetland Delineation Needed?	Soil Contamination On-Site Per WDNR RR Sites Map?	Additional TP Removed (lb)	2023 BMP Cost	BMP Cost (20-Year NPW)	20-Year NPW Cost-Effectiveness (\$/lb TSS Removed)	20-Year NPW Cost-Effectiveness (\$/lb TP Removed)		Alternative No. 1 TP (lb/yr)	Alternative No. 2 TP (lb/yr)	Alternative No. 3 TP (lb/yr)
Reach 154															TMDL Reduction Gap:	42.7	42.7	42.7
Camp Philips Rod Wet Detention Basin (Joint with Weston)	Wet Pond	H-1	WR154-X1-54470	12.51	No	No	No	No	No	9.1	\$64,574	\$69,694		\$2,483		9.1	9.1	9.1
Marathon County Park Wet Detention Basin (Joint with Wausau)	Wet Pond	H-2	WR154-P2-54420	43.88	No	No	No	No	Adjacent	8.0	\$332,669	\$387,890		\$1,188		8.0	8.0	8.0
CTH R Hydrodynamic Separator (Joint with Wausau and Stettin)	Wet Pond	H-3	WR154-R1-54030	6.88	Yes	No	Adjacent	Maybe	Adjacent	6.9	\$661,250	\$661,610		\$4,793		6.9	6.9	6.9
Pond G Outlet Structure Optimization	Outlet Structure Optimization	H-4	WR154-R3-54250 & WR154-R3-54260	7.76	No	No	No	Yes	Adjacent	0.9	\$54,900	\$69,133		\$3,774		0.9		
Highway Department Wet Detention Basin	Wet Pond	H-5	WR154-P1-54480	12.49	No	No	No	Yes	Yes	6.0	\$665,100	\$785,046		\$6,499		6.0		
Weekly Vacuum Sweeping in County MS4 Areas with Curb and Gutter (Increase from Once Yearly in Spring to Twice Per Month)	Street Sweeping	NA	Varies	50.16	NA	NA	NA	NA	NA	5.6	\$16,988	\$287,829		\$2,582		5.6	5.6	
Trade Excess TP from Reaches 155, 156, 217, and 290 to Downstream Reach 154 (Internal County Trade)		NA								\$0	\$0			\$0		9.2	9.2	9.2
Agricultural Water Quality Trading (lb of Interim Credits)												\$0		\$150		0.0		
Agricultural Water Quality Trading (lb of Interim Credits)												\$11,634		\$150			3.9	
Agricultural Water Quality Trading (lb of Interim Credits)												\$28,347		\$150				9.4
															TP Reduction Subtotal (Reach 154):	45.8	42.7	42.7
															TP Reduction Subtotal (Reach 154):	45.8	42.7	42.7
														Total 2023 Cost		\$1,795,482	\$1,075,482	\$1,058,494
														Total 20-Year NPW Cost		\$2,261,203	\$1,418,658	\$1,147,542
														20-Year NPW Cost Per Pound Captured		\$2,470	\$1,661	\$1,344

Table 6.03-2 TMDL Implementation Plan (lb TP)

	Reach	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
Internal County WQT		9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
Ag WQT	154								0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	3.9
Camp Philips Road WP*	154						9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
Marathon County Park WP*	154								8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
CTH R HDS*	154										6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Enhanced Street Sweeping	154				5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Total		9.2	9.2	9.2	14.8	14.8	23.9	23.9	32.1	32.3	39.4	39.6	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2	41.4	41.6	41.7	41.9	42.1	42.3	42.5	42.7	42.7
Cumulative County-Wide % TP Reduction		45.5%	45.5%	45.5%	49.4%	49.4%	55.7%	55.7%	61.3%	61.4%	66.3%	66.5%	66.6%	66.7%	66.9%	67.0%	67.1%	67.3%	67.4%	67.5%	67.7%	67.8%	67.9%	68.1%	68.2%	68.3%	68.5%	68.6%	68.6%
% Closure of TP Reduction Gap		21.5%	21.5%	21.5%	34.6%	34.6%	56.0%	56.0%	75.2%	75.7%	92.3%	92.7%	93.2%	93.7%	94.1%	94.6%	95.0%	95.5%	95.9%	96.4%	96.9%	97.3%	97.8%	98.2%	98.7%	99.1%	99.6%	100.1%	100.1%
					Permit Required (10% of TP Reduction Gap by 2030)				4.3																				

Note: WP=wet pond
 *If projects do not come to fruition, pursue other comparable project or additional agricultural WQT.

Active Projects (26)

Thu 3/30/23 8:33 AM

Master Priority ^	Name ⇅	Description ⇅	End ⇅	Health ⇅	Status Comments ⇅	Percent Complete ⇅	Status Name ⇅
	Open Records Management application selection and implementation	Currently the tracking of open record requests is a manual process. Want to implement an IT Application for tracking open records that would allow: Initiating open record request through a portal for public or by City/County/NCHC employees. Reporting on open requests. Tracking assignments, redaction, and online delivery of materials thru portal.	Fri 12/29/23	None	Working on Discovery and requirements.	0%	New
	RFP for Multi-Function Device vendor	The Marco printing contract is coming due for renewal. We will be putting the MFD contract out for RFP and will renew prior to August when the contract expires. Inventory and assessment of MFD needs to be completed prior to creating the RFP. Complete contracting with selected vendor.	Mon 7/31/23	None	Have begun project planning and will be working on reviewing current multi-function device printer inventory soon to determine future needs for new vendor contract.	0%	New
	Law Enforcement System Replacement	The main law enforcement system we used was Tiburon for the past 15 years. The system hasn't been sold or improved in many years. We need to be on a newer, modern system that is still getting enhancements. A second goal is to get all eleven law enforcement agencies to use the same system for records. With Tiburon, only the 6 in the metro area used it for Records. By getting them all on one system we will allow for improved information sharing and simplify the types of reports that the District Attorney's office receives.	Fri 6/30/23	Green	Still testing ACISS with DOJ, ACISS and Central Square.	97%	In Progress
	AD self-service password reset	Provide employees the ability to do AD password reset and unlock accounts using a self-service tool with multi-factor authentication.	Wed 5/31/23	Green	Changed Status from New to In Progress. Changed Percent Complete from 0% to 5%. Changed Health from None - No health has been set to Green - On track. Are assessing technical issues with MS Authenticator push notifications, which is deemed a requirement for use with Manage Engine self-service password reset. New servers are being built prior to further testing. Project planning will begin now that the scope is better understood.	5%	In Progress

	Desktop Hardware Asset Tracking in TeamDynamix	Load all hardware assets into TeamDynamix and create workflows to track new hardware purchase requests, purchasing, installations, and moves to maintain accurate record of where hardware is located and who it is assigned to. Reports to be developed to pull hardware inventory for billing.	Fri 4/28/23	 Green	Changed Percent Complete from 0% to 10%. Changed Health from None - No health has been set to Green - On track. Workflows are being set up in TeamDynamix for tracking desktop hardware purchases, along with additional workflows for tracking hardware deployment, moves and retirement. Have started to inventory hardware for import into TeamDynamix. Next step will be defining process and creating ticket tasks in TeamDynamix for building desktop hardware for deployment.	10%	In Progress
1	Workday ERP Phase 2	Complete scope identified in the ERP Implementation project, plus additional scope identified to increase efficiencies or optimize the system.	Mon 7/31/23	 Green	Changed Percent Complete from 5% to 10%. Work has begun on tasks identified for Phase II of the Workday project. Others are waiting on vendor, resources, or budget to become available. Adaptive Planning – Budgeting process. Design sessions have been completed and the solution blueprint reviewed. Collaborative is building out the structure in Workday. Weekly meetings begin the last week of March to walk through each business process and begin to capture design decisions based upon our requirements. Prism Analytics – Bringing over data from Cayenta for reporting within Workday. Two Cayenta database tables were brought into Workday in Phase 1 as use cases. The remain database tables and reports to build have been identified. Samples will be sent to Workday the week of the 20th or 27th. Reporting – Specialty regulatory reports are being built. Parallel Projects/Integrations Teller - Discussions and discovery have begun regarding Teller Online payment processes, Portfol (Community Development) integration, TiPPS (citations) suspended payments and Ascent (Land Records) online payments. Workday to Laserfiche integration – Recent add to scope. Work has begun to pull metadata from Workday to create personnel record/file in Laserfiche for storage of paper records.	10%	In Progress

1	ERP Implementation	Implementation of ERP project for City of Wausau and County of Marathon. This project will include Teller, Tracker and ChemsPro/RT Vision.	Fri 6/30/23	 Green	Changed Percent Complete from 95% to 96%. Two Collaborative Financial implementation resources remain for Phase 1. They will be rolled off the project by the end of March. We have begun to use Collaborative's 6-month Lean-On Services Support to help with troubleshooting, additional configuration, integrations, and knowledge transfer on the HR/Integration side. Remaining scope and tasks are identified have been moved to Phase II. Parallel Projects/Integrations - Teller, Workday and CCITC teams are working on testing and completing a few workflows such as grant invoice process, NSF checks and searching by legacy invoice number. - Integrations not completed in phase 1 have been moved to Phase II	96%	In Progress
2	Community Partners Campus	The county has leased space in the new CPC campus on Grand Ave. The goal is to have it staffed part time and to provide access to telehealth video calls as well as assisting citizens to get access to the resources that they need from Social Services, ADRC, Veterans Affairs, and NCHC.	Fri 3/3/23	 Green	The first telehealth visit was completed successfully, but group needs to finalize the scheduling process. The IT/server room cooling system was installed. The additional network jack (Systems Technologies) for multi-function device has not yet been placed. Software and hardware testing continues with Social Services staff for Economic Support services options.	80%	In Progress
3	Lakeview buildings on NCHC campus remodeling	Remodeling projects for the Lakeview buildings on the NCHC campus	Wed 5/31/23	 Green	Social Services moves have been confirmed for April: April 7 - 9 Economic Support, 75% Administrative staff April 14 - 16 Child Support, Social Workers, 25% Administrative staff Construction for the conference center is underway with expected installation of video conferencing equipment in July.	80%	In Progress

4	18NC100 NCHC Addition and Remodel	Construction for the final phases of the North Central Healthcare campus master facility plan will require CCITC to provide network infrastructure and provision/move desktop hardware. IT costs will be covered by funding already approved for 2018 NCHC master facility plan.	Sun 4/30/23	 Green	NCHC D/F Wing: Occupancy permit was received so have set move dates for first floor for the week of April 17 for Crisis call center/walk-in and Behavioral Health Services offices. Other programs/depts were asked to put in IT move requests on the TAG portal, working around IT moves already scheduled for Social Services, Mount View and Marshall Street, Suite A. Second floor is still pending a license prior to move in. Marshall Street, Suite A: Desktop hardware moves for the South Wing are now scheduled for June: June 5-9 Accounting, Patient Finance, and IMS June 12 - 16 HR, Dejan, Safety and Security, Compliance, Marketing, Gary and Debbie	80%	In Progress
5	Moving SIP trunks from our current T1s	Moving SIP trunks from our current T1s	Fri 6/2/23	 Green	Changed Percent Complete from 70% to 85%. Nearly all DID numbers have been moved to SIP. This includes NCHC analog fax lines. We have some final items to verify and can then remove our PRI lines from billing.	85%	In Progress
6	Chassis switch replacements - County	Replacement plan for the Cisco 4506 switches that will be end of life in 2023. Planning a phased approach for replacement of 3 to 5 switches per year. A switch creates a computer network by connecting multiple computer devices together. Each PC, laptop, printer, cameras, phone, etc on our network physically has a cable that goes to a wiring closet and plugs in to a switch. Typically, each switch has 48 ports to connect 48 different devices together.	Sat 6/17/23	 Green	Changed Status from Post Go-live to In Progress. Changed Percent Complete from 100% to 35%. Last update was in error. One more chassis switch will arrive this week. The remaining are due over the next three months.	35%	In Progress
6	RFP - Internet Firewall replacement	Last year, responding to COVID we upgraded our VPN firewalls. Now we are also reaching capacity limits on our Internet facing firewalls. Replace existing redundant Firewalls for greater capacity and secured access to the Internet.	Wed 5/10/23	 Green	Changed Percent Complete from 10% to 15%. RFP is nearly complete. Need to update timeline and release.	15%	In Progress

7	Server 2012 remediation	Microsoft Server 2012 and 2012/R2 will be at end of support on October 10th 2023. Once the server is end of support, no security updates will be available. Each of the 170+ servers will need to either decommissioned, newly built on a current operating system, upgraded in place or moved to Azure so they will receive security updates.	Thu 2/29/24	☐ Green	Changed Percent Complete from 15% to 20%. Have begun to make progress on moving applications from servers running MS Server 2012 operating system to new servers or doing in place upgrade on existing servers. A contract network analyst that is focused on this project has built ~20 new servers and decommissioned ~15 old servers. Application Analysts are engaging with vendors as needed for assistance with application installations/upgrades.	20%	In Progress
8	E911 location services Redsky	RedSky Cloud based location reporting for compliance with FCC requirements for E911	Fri 6/2/23	☐ Green	Due to resource constraints, little progress has been made this month. Work will be resumed in April.	30%	In Progress
9	Superior DR Buildout	Superior DR Buildout	Fri 3/31/23	☐ Green	Changed Percent Complete from 60% to 85%. The migration of the SQL databases is complete with Central Square. We are working on the SQL database backup jobs to ensure the highest level of recoverability. Complete is expected in the next two weeks. We will also migrate Law Enforcement servers to the new clusters.	85%	In Progress
10	Back-up 911 Center Build	Currently, the 911 Center has limited capabilities should evacuation of the Center be needed. We have positions established in the Jail, however, a separate physical location is needed for Disaster Planning/response.	Fri 7/28/23	☐ Green	Still no significant changes this period while we wait for thaw and new circuits to be established.	65%	In Progress
11	Special Assessment Application	City of Wausau Special assessments are imposed on only some (not all) real estate parcels within a jurisdiction, generally to defray the cost of capital improvements to those parcels (ex: pavements, sidewalks, sewers, drains). These improvements are presumed to benefit the public and are of special benefit to such parcels of property.	Wed 5/31/23	☐ Green	Changed Percent Complete from 90% to 91%. New parcel data load completed. We are now able to post payments against parcels. Work remaining is to create , test and perfect automation of parcel data to SA to keep properties updated. As400 may need to stay read/write for another month.	91%	In Progress
12	RFP - Data Center Refresh 2022	Our current hardware is at End of Life and also, out of capacity. Replace existing 6-year-old Data Center compute and storage, with new hardware. RFP released on September 29th 2022.	Wed 7/26/23	☐ Green	Changed Percent Complete from 15% to 80%. All servers and connections are setup. Over the next two weeks we will setup the data storage location and migrate servers for testing.	80%	In Progress

13	Marathon County Judiciary Video Court	Currently the Marathon County Circuit Courts are utilizing Zoom to manage court cases and hearings that are approved by the State Supreme Court. Marathon County Judges and the Court Commissioner are in need of a robust and reliable video court solution that is not dependent upon a third-party solution. An effective solution would provide significant efficiencies and move cases along more expeditiously.	Fri 6/30/23	 Green	Still waiting on the Heartland Business Systems proposal for AV hardware and installation for the remaining 6 courtrooms, though it is supposed to be sent this week. The intent is to review the proposal and get orders placed as soon as possible due to some expected supply chain issues delaying hardware delivery.	50%	In Progress
14	Asset Management	Department is looking to choose an AM software for both its vertical and in-ground infrastructure. Once a software is selected an engineering firm will be hired to implement the software for use by selected divisions of the department. Per Project Prioritization Committee can proceed with system selection but the goal is to implement a solution that meets both City and County needs.	Mon 12/30/24	 None	Meeting established with City Engineering / CCITC on 03/30/2023 prior to CIP submittal for both the City and County. This project will require an RFP as part of the planning and software selection process. The meeting with Engineering will identify any potential concerns about software viability and the direction from management at both the City and County to select a product, if at all possible, that will meet the needs of all entities.	1%	In Progress
15	Project Portfolio Management Tool	CCITC Board requesting a review of our Project Prioritization process that we are currently utilizing to approve and prioritize projects and assign work. Currently we have more project work than resources to accommodate the incoming requests. Project scope was broadened to implement an integrated Project Portfolio Management and IT Service Management solution. Goal is to have integrated work management for CCITC staff across projects and service management.	Fri 3/31/23	 Green	Changed Percent Complete from 90% to 95%. While we are still finishing a few phase 2 items (Change Management workflow, Configuration of ticketing application for NCHC IMS, Updating application and hardware assets) the project will soon be formally closed. A new project closure process will be developed and tested to ensure a smooth transition from project to on-going support and maintenance.	95%	In Progress
16	County Website Redesign & Plan Under Obj. 12.3	Update website to a more modern, customer focused, and service centric site while maintaining ADA compliance. Better serve constituents of Marathon County with a website that is updated to a modern look and feel, a succinct representation of the County, and easier for customers to find answers without having to contact internal departments, which results in unnecessary delay for customers and increased interruptions and inefficiency for staff.	Fri 6/30/23	 Green	Changed Percent Complete from 40% to 60%. County delivered completed site map week of 3/20/23. Content migrations will start soon for County Site. City still working on sitemap. Meeting to configure SSO to be held week of 3/27/2023 for both City and County	60%	In Progress

Submittal of Annual Reports and Other Compliance Documents for Municipal Separate Storm Sewer System (MS4) Permits

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. After 120 days your draft is **deleted**.

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Form 3400-224(R8/2021)

Reporting Information :

Will you be completing the Annual Report or other submittal type? ☒ Annual Report ☐ Other

Project Name: 2022 Annual Report

County: Marathon

Municipality: Marathon County

Permit Number: S050075

Facility Number: 33647

Reporting Year: 2022

Is this submittal also satisfying an Urban Nonpoint Source Grant funded deliverable? ☐ Yes ☒ No

Under s. 283.53(3)(a), a general MS4 permittee is required to reapply for permit coverage at least 180 days prior to the expiration date of the permit .

In order to acknowledge that you are reapplying for permit coverage, please check the following box: ☒

Required Attachments and Supplemental Information

Please complete the contents of each tab to submit your MS4 permit compliance document. The information included in this checklist is necessary for a complete submittal. A complete and detailed submittal will help us review about your MS4 permit document. To help us make a decision in the shortest amount of time possible, the following information must be submitted:

Annual Report

- Review related web site and instructions for [Municipal storm water permit eReporting](#) [Exit Form]
- Complete all required fields on the annual report form and upload required attachments
- Attach the following other supporting documents as appropriate using the attachments tab above
 - Public Education and Outreach Annual Report Summary
 - Public Involvement and Participation Annual Report Summary

- Illicit Discharge Detection and Elimination Annual Report Summary
 - Construction Site Pollution Control Annual Report Summary
 - Post-Construction Storm Water Management Annual Report Summary
 - Pollution Prevention Annual Report Summary
 - Leaf and Yard Waste Management
 - Municipal Facility (BMP) Inspection Report
 - Municipal Property SWPPP
 - Municipally Property Inspection Report
 - Winter Road Maintenance
 - Storm Sewer Map Annual Report Attachment
 - Storm Water Quality Management Annual Report Attachment
 - TMDL Attachment
 - Storm Water Consortium/Group Report
 - Municipal Cooperation Attachment
 - Other Annual Report Attachment
- Attach the following permit compliance documents as appropriate using the attachments tab above
- Storm Water Management Program
 - Public Education and Outreach Program
 - Public Involvement and Participation Program
 - Illicit Discharge Detection and Elimination Program
 - Construction Site Pollutant Control Program
 - Post-Construction Storm Water Management Program
 - Pollution Prevention Program
 - Municipal Storm Water Management Facility (BMP) Inventory
 - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan
 - Total Maximum Daily Load documents (**If applicable, see permit for due dates.*)
 - TMDL Mapping*
 - TMDL Modeling*
 - TMDL Implementation Plan*
 - Fecal Coliform Screening Parameter *
 - Fecal Coliform Inventory and Map (*S050075-03 general permittees Appendix B B.5.2 – document due to the department by March 31, 2022*)
 - Fecal Coliform Source Elimination Plan (*S050075-03 general permittees Appendix B - document due to the department by October 31, 2023*)
- Sign and Submit form

Municipal Contact Information- Complete

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (Department) by March 31 of each year to report on activities for the previous calendar year ("reporting year"). This form is being provided by the Department for the user's convenience for reporting on activities undertaken in each reporting year of the permit term. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Note: Compliance items must be submitted using the Attachments tab.

Municipality Information**Name of Municipality** Marathon County**Facility ID # or (FIN):** 33647**Updated Information:** ☐ Check to update mailing address information**Mailing Address:** 210 River Dr.**Mailing Address 2:****City:** Marathon County**State:** WI**Zip Code:** 54403 xxxxx or xxxxx-xxxx**Primary Municipal Contact Person (Authorized Representative for MS4 Permit)**

The "Authorized Representative" or "Authorized Municipal Contact" includes the municipal official that was charged with compliance and oversight of the permit conditions, and has signature authority for submitting permit documents to the Department (i.e., Mayor, Municipal Administrator, Director of Public Works, City Engineer).

☐ Select to **create new** primary contact**First Name:** Lance**Last Name:** Leonhard☐ Select to **update** current contact information**Title:** County Administrator**Mailing Address:** 500 Forest Street**Mailing Address 2:****City:** Wausau**State:** WI**Zip Code:** 54403 xxxxx or xxxxx-xxxx**Phone Number:** 715-261-1400 Ext: xxx-xxx-xxxx**Email:** Lance.Leonhard@co.marathon.wi.us**Additional Contacts Information (Optional)**

Individual with responsibility for:
(Check all that apply)

- ☐ I&E Program
- ☐ IDDE Program
- ☐ IDDE Response Procedure Manual
- ☐ Municipal-wide Water Quality Plan
- ☐ Ordinances
- ☐ Pollution Prevention Program
- ☐ Post-Construction Program
- ☐ Winter roadway maintenance

First Name:

Last Name:

Title:

Mailing Address:

Mailing Address 2:

City:

State:

Zip Code:

 xxxxx or xxxxx-xxxx

Phone Number:

 Ext: xxx-xxx-xxxx

Email:

Municipal Billing Contact Person (Authorized Representative for MS4 Permit)

☒ Select to **create new** Billing contact

First Name:

Last Name:

☒ Select to **update** current contact information

Title:

Mailing Address:

Mailing Address 2:

City:

State:

Zip Code:

 xxxxx or xxxxx-xxxx

Phone Number:

 Ext: xxx-xxx-xxxx

Email:

1. Does the municipality rely on another entity to satisfy some of the permit requirements?

☒ Yes ☐ No

☒ Public Education and Outreach Northcentral Wisconsin Stormwater Coalition

☒ Public Involvement and Participation Northcentral Wisconsin Stormwater Coalition

- ☒ Illicit Discharge Detection and Elimination Municipalities via MOU and Northcentral Wisconsin Stormwater Coalition
- ☒ Construction Site Pollutant Control Municipalities via MOU and Northcentral Wisconsin Stormwater Coalition
- ☒ Post-Construction Storm Water Management Municipalities via MOU and Northcentral Wisconsin Stormwater Coalition
- ☐ Pollution Prevention

2. Has there been any changes to the municipality’s participation in group efforts towards permit compliances (i.e., the municipality has added or dropped consortium membership)?

- ☒ Yes ☐ No

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7.

Form 3400-224 (R8/2021)

Minimum Control Measures- Section 1 : Complete

1. Public Education and Outreach

- a. Does MS4 conduct any educational efforts or events independently (not with a group) ☒ Yes
☐ No
- b. How many total educational events were held during the reporting year:
- c. The permit requires that both passive and interactive mechanisms are utilized. How many interactive mechanisms were used during the reporting year?

Topics Covered	Target Audience
☒ Illicit discharge detection and elimination ☒ Household hazardous waste disposal/pet waste management/vehicle washing ☒ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☒ Residential infiltration ☒ Construction sites and post-construction storm water management ☒ Pollution prevention ☒ Green infrastructure/low impact development ☐ Other:	☒ General Public ☒ Public Employees ☒ Residents ☒ Businesses ☒ Contractors ☐ Developers ☐ Industries ☐ Public Officials ☐ Other

- d. Will additional information/summary of education events be attached to the annual report? ☒ Yes
☐ No

If no, please provide additional comment in the brief explanation box below. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 2 : Complete

2. Public Involvement and Participation

- a. Permit Activities. Complete the following information on Public Involvement and Participation Activities related to storm water. Select the Delivery Mechanism that best describes how the permit

activities were conveyed to your population. Use the Add Event to add additional entries.

Event Start Date	5/5/2022		
Project/Event Name	Infrastructure and Environmental Resources Committee Meetings (2)		
Delivery Mechanism	Government Event (Public Hearing, Council Meeting, etc)		
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☒ MS4 Annual Report ☐ Storm Water Management Program ☐ Storm Water related ordinance ☐ Other: 	☒ General Public ☒ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☒ Public Officials ☐ Other	<u>11-50</u>	☐ Yes ☒ No

b. Volunteer Activities. Complete the following information on Public Involvement and Participation Activities related to storm water. Select the Delivery Mechanism that best describes how volunteer activities were conveyed to your population. Use the Add Event to add additional entries.

Event Start Date	4/1/2022 ☐ NA (Individual Permittee).		
Project/Event Name	Adopt a Highway Cleanup		
Delivery Mechanism	Clean up event		
Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	☒ General Public ☒ Public Employees ☒ Residents ☒ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Public Officials ☐ Other	<u>101 +</u>	☒ Yes ☐ No

c. Brief explanation on Public Involvement and Participation reporting. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Highway Department provides bag, vests, signs, gloves, etc. and subsequently picks up and disposes of trash that volunteer groups gather.

Missing Information

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 3 : Complete

3. Illicit Discharge Detection and Elimination

- | | | |
|---|---------------------------------|---------------------------------|
| a. How many total outfalls does the municipality have? | <input type="text" value="29"/> | ☐ Unsure |
| b. How many outfalls did the municipality evaluate as part of their routine ongoing field screening program? | <input type="text" value="29"/> | ☐ Unsure |
| c. From the municipality's routine screening, how many were confirmed illicit discharges? | <input type="text" value="0"/> | ☐ Unsure |
| d. How many illicit discharge complaints did the municipality receive? | <input type="text" value="4"/> | ☐ Unsure |
| e. From the complaints received, how many were confirmed illicit discharges? | <input type="text" value="2"/> | ☐ Unsure |
| f. How many of the identified illicit discharges did the municipality eliminate in the reporting year (from both routine screening and complaints)? | <input type="text" value="0"/> | ☐ Unsure |

(If the sum of 3.c. and 3.e. does not equal 3.f., please explain below.)

- g. How many of the following enforcement mechanisms did the municipality use to enforce its illicit discharge ordinance? Check all that apply and enter the number of each used in the reporting year. ☒ Unsure

- | | |
|--|--------------------------------|
| ☐ Verbal Warning | <input type="text" value="0"/> |
| ☐ Written Warning (including email) | <input type="text" value="0"/> |
| ☐ Notice of Violation | <input type="text" value="0"/> |
| ☐ Civil Penalty/ Citation | <input type="text" value="0"/> |

Additional Information: Both confirmed discharges have begun replacement process.

- h. Brief explanation on Illicit Discharge Detection and Elimination reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Most Discharge complaint within MS4 area are managed through MOU with Cities, Villages and Townships. For the two discharges in section e., both are in the process of updating their systems to eliminate the discharge.

Missing Information

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 4 : Complete

4. Construction Site Pollutant Control

- a. How many total construction sites with one acre or more of land disturbing construction activity were active at any point in the reporting year? ☒ Unsure
- b. How many construction sites with one acre or more of land disturbing construction activity did the municipality issue permits for in the reporting year? ☒ Unsure
- c. How many erosion control inspections did the municipality complete in the reporting year (at sites with one acre or more of land disturbing construction activity)? ☒ Unsure

- d. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. ☒ Unsure

☐ No Authority

☐ Verbal Warning

☐ Written Warning (including email)

☐ Notice of Violation

☐ Civil Penalty/ Citation

☐ Stop Work Order

☐ Forfeiture of Deposit

☐ Other - Describe below

- e. Brief explanation on Construction Site Pollutant Control reporting . *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

This is managed by Cities, Villages and Townships through MOU.

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

- a. How many sites with new structural storm water management Best Management Practice (BMP) have received local approval ? ☒ Unsure

*Engineered and constructed systems that are designed to provide storm water quality control such as wet detention ponds, constructed wetlands, infiltration basins, grassed swales, permeable pavement,

- b. Does the MS4 have procedures for inspecting and ☐ Yes ☒ No ☐ Unsure

maintaining private storm water facilities?

- c. If Yes, how many privately owned storm water management facilities were inspected in the reporting year ? ☐ Unsure
Inspections completed by private landowners should be included in the reported number.

- d. Does the municipality utilize privately owned storm water management BMP in its pollutant reduction analysis? ☐ Yes ☒ No ☐ Unsure

- e. If yes, does MS4 have maintenance authority on these privately owned BMPs? ☐ Unsure

- f. How many municipally owned storm water management BMPs were inspected in the reporting year? ☐ Unsure

- g. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. ☒ Unsure

☐ No Authority

☐ Verbal Warning

☐ Written Warning (including email)

☐ Notice of Violation

☐ Civil Penalty/ Citation

☐ Forfeiture of Deposit

☐ Complete Maintenance

☐ Bill Responsible Party

☐ Other - Describe below

- e. Brief explanation on Post-Construction Storm Water Management reporting . *If marked 'Unsure' on any questions above, justify your reasoning. Limit your response to 250 characters and/or attach supplemental information on the attachments page.*

Enforcement is through Cities, Villages and Towns via MOU. Municipal BMPs were inspected by consultant in 2021 and report of findings should be completed in 2023.

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 6 : Complete

6. Pollution Prevention

Storm Water Management Best Management Practice Inspections ☐ Not Applicable

- a. Enter the total number of municipally owned or operated structural storm water management best management practices. ☐ Unsure
- b. How many new municipally owned storm water management best management practices were installed in the reporting year? ☐ Unsure
- c. How many municipally owned storm water management best management practices were inspected in the reporting year? ☒ Unsure
- d. What elements are looked at during inspections (250 character limit)?

Marathon County is currently reviewing the County BMPs and maintenance procedures. Document should be ready to be utilized for inspections in summer of 2023.

- e. How many of these facilities required maintenance? ☐ Unsure
- f. Brief explanation on Storm Water Management Best Management Practice inspection reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

See note above.

Public Works Yards & Other Municipally Owned Properties (SWPPP Plan Review) ☐ Not Applicable

- g. How many municipal properties require a SWPPP? ☐ Unsure
- h. How many inspections of municipal properties have been conducted in the reporting year? ☐ Unsure
- i. Have amendments to the SWPPPs been made?
☒ Yes ☐ No ☐ Unsure
- j. If yes, describe what changes have been made. Limit response to 250 characters and/or attach supplemental information on the attachment page:

Inspections were completed in 2021 and will be included in the final report anticipated to be available for the summer of 2023

- k. Brief explanation on Storm Water Pollution Prevention Plan reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Collection Services - Street Sweeping / Cleaning Program ☐ Not Applicable

- l. Did the municipality conduct street sweeping/cleaning during the reporting year?
☒ Yes ☐ No ☐ Unsure
- m. If known, how many tons of material was removed? ☒ Unsure
- n. Does the municipality have a low hazard exemption for this material? ☐ Yes ☒ No
- o. If street cleaning is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?

- ☒ Yes - Explain frequency Annually in the spring and periodically in summer.
- ☐ No - Explain _____
- ☐ Not Applicable

Collection Services - *Catch Basin Sump Cleaning Program* ☐ Not Applicable

- p. Did the municipality conduct catch basin sump cleaning during the reporting year? ☒ Yes ☐ No ☐ Unsure
- q. How many catch basin sumps were cleaned in the reporting year? ☒ Unsure
- r. If known, how many tons of material was collected? ☒ Unsure
- s. Does the municipality have a low hazard exemption for this material? ☐ Yes ☒ No
- t. If catch basin sump cleaning is identified as a storm water best management practice in the pollutant loading analysis, was cleaning completed at the assumed frequency?
☒ Yes- Explain frequency periodically based on visual observations.
☐ No - Explain _____
☐ Not Applicable

Collection Services - *Leaf Collection Program* ☒ Not Applicable

Winter Road Management ☐ Not Applicable

*Note: We are requesting information that goes beyond the reporting year, answer the best you can.

- aa. How many lane-miles of roadway is the municipality responsible for doing snow and ice control? (One mile of a two-way road equals two lane miles.) ☐ Unsure

- ab. Provide amount of de-icing products used by month last winter season?
Solids (tons) (ex. sand, or salt-sand)

Product	Oct	Nov	Dec	Jan	Feb	Mar
<u>Salt</u>	0	280	2860	650	1100	0
<u>Salt/sand mix</u>	0	0	210	670	275	0

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
<u>Brine</u>	0	29792	50066	34886	24007	0
<u>Other</u>	0	620	1436	458	272	0

- ac. Was salt applying machinery calibrated in the reporting year? ☒ Yes ☐ No ☐ Unsure
- ad. Have municipal personnel attended salt reduction strategy training in the reporting year? ☒ Yes ☐ No ☐ Unsure

Training Date	Training Name	# Attendance
10/12/2022	Fall Rodeo	75

- ae. Brief explanation on Winter Road Management reporting. If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach

supplemental information on the attachments page

All staff training day that includes winter maintenance trainings and discussions.

Internal (Staff) Education & Communication

- af. Has the municipality provided an opportunity for internal training or education to staff implementing the municipality's procedures for each of the pollution prevention program element ? ☐ Yes ☒ No ☐ Unsure

If yes, describe what training was provided (250 character limit):

When:

How many attended:

- ag. Describe how the municipality has kept the following local officials and municipal staff aware of the municipal storm water discharge permit programs, procedures and pollution prevention program requirements.

Elected Officials

Infrastructure Committee and Environmental Resources Committee receive annual briefing and copy of the Annual Report.

Municipal Officials

Participation with Northcentral Wisconsin Stormwater Coalition, participation with SaltWise Open house, participation with WisDOT annual meetings for winter maintenance.

Appropriate Staff (such as operators, Department heads, and those that interact with public)

Annual reports are forwarded to the committees above and staff reviews and answers any questions or concerns.

- ah. Brief explanation on Internal Education reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 7 : Complete

7. Storm Sewer System Map

- a. Did the municipality update their storm sewer map this year?
- ☒ Yes ☐ No ☐ Unsure

If yes, check the areas the map items that got updated or changed:

- ☐ Storm water treatment facilities
- ☐ Storm pipes
- ☐ Vegetated swales
- ☐ Outfalls
- ☒ Other - Describe below

Entire system is being re-modeled and reevaluated. Final report includes updated maps of facilities. Report is in final d...

- b. Brief explanation on Storm Sewer System Map reporting. *If you marked Unsure for an question for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you SAVE.

Form 3400-224 (R8/2021)

Final Evaluation - Complete

Fiscal Analysis

Complete the fiscal analysis table provided below. For municipalities that do not break out funding into permit program elements, please enter the monetary amount to your best estimate of what funding may be going towards these programs.

Annual Expenditure Reporting Year	Budget Reporting Year	Budget Upcoming Year	Source of Funds
---	--------------------------	----------------------------	-----------------

Element: Public Education and Outreach

5805	6000	6000	<u>Other</u>
------	------	------	--------------

Element: Public Involvement and Participation

425	500	500	<u>Other</u>
-----	-----	-----	--------------

Element: Illicit Discharge Detection and Elimination

975	1000	1000	<u>General revenue fund</u>
-----	------	------	-----------------------------

Element: Construction Site Pollutant Control

0	0	0	<u>Other</u>
---	---	---	--------------

Element: Post-Construction Storm Water Management

0	0	0	<u>Other</u>
---	---	---	--------------

Element: Pollution Prevention

12000	12000	12000	<u>General revenue fund</u>
-------	-------	-------	-----------------------------

Other (describe)

Completion of Strand Report

30000	30000	0	<u>General revenue fund</u>
-------	-------	---	-----------------------------

Please provide a justification for a "0" entered in the Fiscal Analysis. *Limit response to 250 characters.*

Managed through Cities, Villages and Towns via MOU.

Water Quality

a: Were there any known water quality improvements in the receiving waters to which the

municipality's storm sewer system directly discharges to?

☐ Yes ☒ No ☐ Unsure If Yes, explain below:

b: Were there any known water quality degradation in the receiving waters to which the municipality's storm sewer system directly discharges to?

☐ Yes ☒ No ☐ Unsure If Yes, explain below:

c: Have any of the receiving waters that the municipality discharges to been added to the impaired waters list during the reporting year?

☐ Yes ☒ No ☐ Unsure

d: Has the municipality evaluated their storm water practices to reduce the pollutants of concern?

☒ Yes ☐ No ☐ Unsure

Storm Water Quality Management

a. Has the municipality completed or updated modeling in the reporting year (relating to developed urban area performance standards of s. NR 151.13(2)(b)1., Wis. Adm. Code)? ☐ Yes ☒ No

b. If yes, enter percent reduction in the annual average mass discharging from the entire MS4 to surface waters of the state as compared to implementing no storm water management controls:

Total suspended solids (TSS)

Total phosphorus (TP)

Additional Information

Based on the municipality's storm water program evaluation, describe any proposed changes to the municipality's storm water program. *If your response exceeds the 250 character limit, attach supplemental information on the attachments page.*

Do not close your work until you SAVE.

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Form 3400-224 (R8/2021)

Requests for Assistance on Understanding Permit Programs

Would the municipality like the Department to contact them about providing more information on understanding any of the Municipal Separate Storm Sewer Permit programs?

Please select all that apply:

- ☐ Public Education and Outreach
- ☐ Public Involvement and Participation
- ☐ Illicit Discharge Detection and Elimination
- ☐ Construction Site Pollutant Control
- ☐ Post-Construction Storm Water Management
- ☐ Pollution Prevention
- ☐ Storm Water Quality Management
- ☐ Storm Sewer System Map
- ☐ Water Quality Concerns
- ☒ Compliance Schedule Items Due
- ☐ MS4 Program Evaluation

Do not close your work until you **SAVE**.

Form 3400-224(R8/2021)

Required Attachments and Supplemental Information

Any other MS4 program information for inclusion in the Annual Report may be attached on here. Use the Add Additional Attachments to add multiple documents.

Upload Required Attachments (15 MB per file limit) - [Help reduce file size and trouble shoot file uploads](#)

***Required Item**

Note: To replace an existing file, use the 'Click here to attach file ' link or press the to delete an item.

Municipal Facility SWPPP

 File Attachment

[2018SWPPPMCHDSiteMap.pdf](#)

Storm Sewer System Map

 File Attachment

[StormSewerMap.jpg](#)

Attach - Other Supporting Documents

AR Other

 File Attachment

[0-NCWSC 2022 Website Stats.pdf](#)

AR SWGroupReport

 File Attachment

[1-2022NCWSCAnnualReport--PublicEducationandOutreach.docx](#)

AR EO

 File Attachment

[3-DRAFT-PubEduOutreachOptions.pdf](#)

AR EO

 File Attachment

[2022MinimumControlMeasures.xlsx](#)

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Attach - Permit Compliance Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Missing Information

Draft and Share PDF Report with the permittee's governing body or delegated representatives.

Press the button below to create a PDF. The PDF will be sent to the email address associated with the WAMS ID that is signed in. After the annual report has been reviewed by the governing body or delegated representative, return to the MS4 eReporting System to submit the final report to the DNR.

[Draft and Share PDF Report](#)

Sign and Submit Your Application

Steps to Complete the signature process

1. Read and Accept the Terms and Conditions
2. Press the Submit and Send to the DNR button

NOTE: For security purposes all email correspondence will be sent to the address you used when registering your WAMS ID. This may be a different email than that provided in the application. For information on your WAMS account click [HERE](#).

Terms and Conditions

Certification: I hereby certify that I am an authorized representative of the municipality covered under Marathon County MS4 Permit for which this annual report or other compliance document is being submitted, and that the information contained in this submittal and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Signee (must check current role prior to accepting terms and conditions)

- ☐ Authorized municipal contact using WAMS ID.
- ☐ Delegation of Signature Authority (Form 3400-220) for agent signing on the behalf of the authorized municipal contact.
- ☐ Agent seeking to share this item with authorized municipal contact (authorized municipal contact must get WAMS id and complete signature).

Name:

Title:

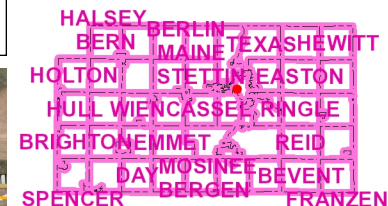
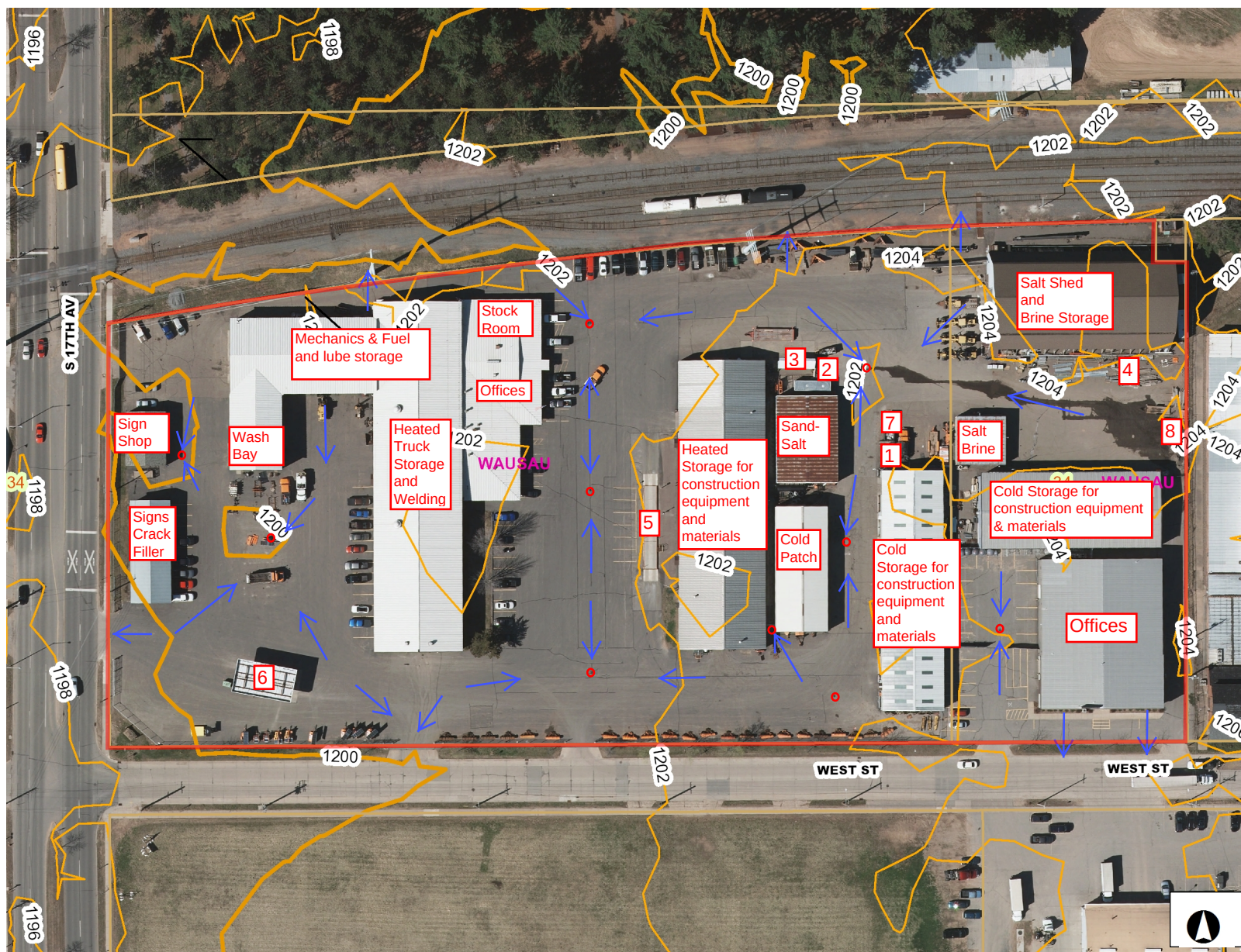
Authorized Signature.

- ☐ I accept the above terms and conditions.

After providing the final authorized signature, the system will send an email to the authorized party and any agents. This email will include a copy to the final read only version of this application.



Land Information Mapping System



Legend

- Parcels
- Land Hooks
- Section Lines/Numbers
- Municipalities
- County-wide 2ft Contours (2012)
 - Index
 - Intermediate
- Streams-Rivers
- DNR Wetland Points
- DNR Wetland Areas
- Wausau Wetlands Delineated
- Floodplain
 - A
 - AO
 - AE
 - AE FLOODWAY
 - .2PCT CHANCE ANNUAL FLOOD HAZARD
- Shoreland Overlay Zoning
- 2015 Orthos
- Wausau-Schofield
- Red: Band_1

1. Distillate Tank
 2. Tire Storage
 3. Recycling Bins
 4. Guard Rail Storage
 5. Scale
 6. Fuel Island
 7. Dumpster
 8. Sweepings and gravel storage
- Flow arrows
- Inlets

62.50 0 62.50 Feet

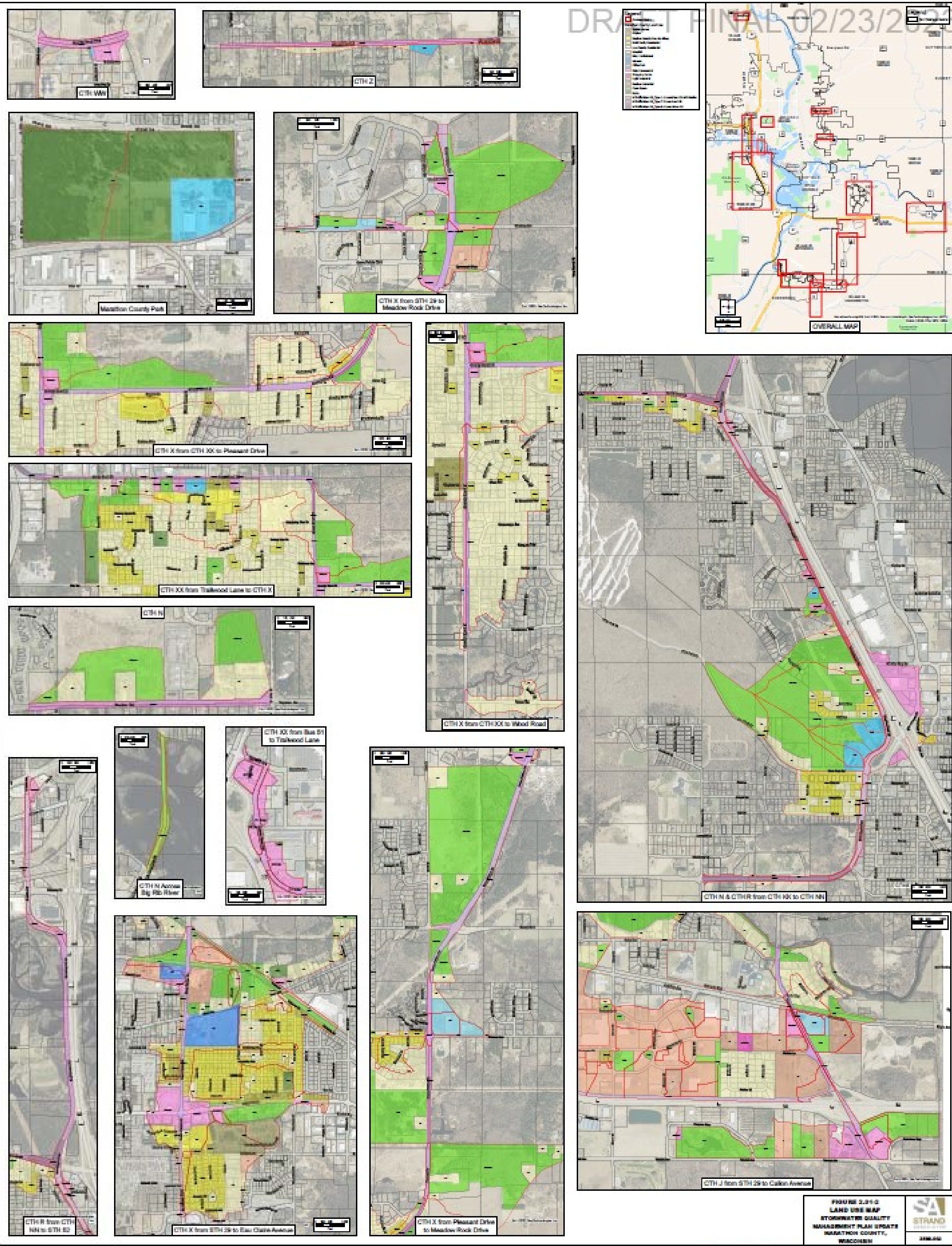


User_Defined_Lambert_Conformal_Conic

DISCLAIMER: The information and depictions herein are for informational purposes and Marathon County-City of Wausau specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Marathon County-City of Wausau will not be responsible for any damages which result from third party use of the information and depictions herein or for use which ignores this warning. THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

All yard inlets drain to Municipal Storm Sewer.



2022 Annual Report – Public Education and Outreach Activities

Northcentral Wisconsin Stormwater Coalition

Delivery Mechanism	Target Audience	Active or Passive	Measurement Tools
1. Illicit Discharge Detection and Elimination			
a. Notice on website (http://www.ncwrpc.org/NCWSC/) under Local Contacts.	Members of the public who may be looking for it.	Passive	The <u>Local Contacts</u> page was viewed about 225 times throughout 2022.
2. Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing			
a. Rubber Ducky, 30-second TV commercial on WSAW in Wausau, which covers 11 counties.	General Public for following counties: Lincoln, Marathon, Wood, and Portage.	Passive	Our ad was seen by about 117,100 households in the 11 County viewing area that WSAW (CBS and FOX) serves. Of those households, our ad was seen 2.6 times by the same person. We reached over 70% of households watching broadcast television.
b. Rubber Ducky, 30-second TV commercial on WAOW in Wausau, which covers 11 counties.	General Public for following counties: Lincoln, Marathon, Wood, and Portage.	Passive	Our ad was seen by about 117,100 households in the 11 County viewing area that WAOW (ABC) serves. Of those households, our ad was seen about 3 times by the same person.
c. Rubber Ducky, 30-second TV commercial on TV43 and on 99.7 FM.	General Public in Baraboo	Passive	Our ad reached 97,635 households in the Baraboo viewing area that TV43 serves. On the radio side, our ad was heard by about 10,000 people in the Baraboo listening area that 99.7 FM serves. On average, the ad reached a viewer or listener 2-3 times.

2022 Annual Report – Public Education and Outreach Activities
Northcentral Wisconsin Stormwater Coalition

Delivery Mechanism	Target Audience	Active or Passive	Measurement Tools
3. Yard Waste Management/Pesticide and Fertilizer Application			
a. _____.			
4. Stream and Shoreline Management			
a. _____.			
b. _____.			

2022 Annual Report – Public Education and Outreach Activities Northcentral Wisconsin Stormwater Coalition

Delivery Mechanism	Target Audience	Active or Passive	Measurement Tools
5. Residential Infiltration			
a. Rain garden located at Prairie River Middle School, Merrill.	General population of Merrill's middle school.	Passive	About 550 students are enrolled in middle school.
b. Rain garden located at Doepke Park, Town of Rib Mountain.	General population that attends Doepke Park.	Passive	Since this rain garden is at the Town's most prominent park, then most Town residents may see this annually.
c. Rain garden located outside Marathon County's CPZ offices in Wausau.	All staff and visitors to CPZ offices.	Passive	About 1,300 people may pass by the rain garden and see the sign annually.
d. Rain garden prominently located outside the Baraboo Zoo.	General population attending zoo in Baraboo.	Passive	About 1,000 people may pass by the rain garden and see the sign annually.
e. Rain garden located at the Kronenwetter Municipal Center.	All staff and some visitors to Village of Kronenwetter Municipal Center.	Passive	Since this rain garden is in the back of the building, at the main secondary entrance, then all Village staff and many committee attendees pass by this location annually.
f. Rain garden located at the Weston Municipal Center.	All staff and visitors to Village of Weston Municipal center.	Passive	Since this rain garden is at the place where all Village meetings occur, then many Village residents may see this annually.
g. Rain garden located at 4501 Highway 66, Stevens Point Municipal Airport Terminal.	All visitors and staff to the Municipal Airport.	Passive	Everyone that visits the airport passes by the rain garden, which is about 2,000 people annually.
h. Rain gardens located at 1925 Cypress St, Public Utilities Garage.	All employees, vendors, and some public.	Passive	Employees daily pass by with vendors on a regular basis. The general public pass by daily from outside the parking lot the garden is adjacent to. About 3,000 people pass this rain garden annually.
i. Rain garden at fire station, Marshfield.	???	Passive	???
j. Website has rain garden information on it.	General Public for following counties: Lincoln, Marathon, Wood, and Portage.	Passive	The Rain Gardens page was viewed about 93 times throughout 2022.

2022 Annual Report – Public Education and Outreach Activities Northcentral Wisconsin Stormwater Coalition

Delivery Mechanism	Target Audience	Active or Passive	Measurement Tools
6. Construction Sites and Post-Construction Storm Water Management			
a. _____.			
7. Pollution Prevention			
a. Salt Wise Winter Equipment Open House in Stevens Point on September 20, 2022.	Targeted group training of invited Coalition Member municipal staff.	Active	About 30 staff from the communities of Stevens Point, Rothschild, Mosinee, Kronenwetter, Wausau, Waupaca, Marshfield, and Nekoosa attended.
b. Salt Wise Winter Equipment Open House at Wausau Schools on October 28, 2022.	Targeted group training of invited School District maintenance staff.	Active	About 40 staff from the school districts of Wausau, Tomahawk, Marshfield, local contractors and Rib Mountain municipal staff attended.
c. News story by WSAW about the Salt Wise Winter Equipment Open House at Wausau Schools on October 28, 2022.	General public in the WSAW TV viewing area.	Passive	The news story was seen by about 117,100 households in the 11 County viewing area that WSAW (CBS and FOX) serves.
8. Green Infrastructure/ Low Impact Development			
See all the public rain gardens listed under Topic Area #5 Residential Infiltration.			

Rubber Ducky commercial could take people to the Rubber Ducky Website for information on:

- All 8 topic areas (Table 1 below) under the WPDES Permit’s: “2.1 Public Education and Outreach.”

Rubber Ducky Website could look like this: <https://www.respectourwaters.org/ms4-content>

...and this: <https://www.freshcoastguardians.com/resources/green-strategies>

Rubber Ducky Website = a *passive* [public education delivery mechanism]

Table 1: Public Education and Outreach Topic Areas and Descriptions			Options to satisfy requirement.
#	Topic Area	Description	
1	Illicit Discharge Detection and Elimination	Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.	DNR Spill Hotline – a prominent note on Rubber Ducky website. - Staff from each community to document what they have done over the course of their permit, and report to their local governing body. (Active)
2	Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.	Advertise Rubber Ducky ad on TV stations covering all Member communities annually. [public education delivery mechanism] Rubber Ducky ad directing people to Rubber Ducky website. - Website to have a “where to put your waste” webpage. - Annual HHW drop-off event [1 per county] (Active)
3	Yard Waste Management/Pesticide and Fertilizer Application	Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.	No Farms, No Food t-shirts presentations. (Active) Rubber Ducky website – specific section for lawn care and infiltration.
4	Stream and Shoreline Management	Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.	Rubber Ducky website – specific section for shoreline management. Contact page for county conservationists.
5	Residential Infiltration	Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks.	Rubber Ducky website – specific section for residential infiltration. Add business infiltration ideas too. Public rain garden with informational sign. [public education delivery mechanism]
6	Construction Sites and Post-Construction Storm Water Management	Inform and educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.	Rubber Ducky website – specific section for controlling construction site erosion, and concrete wash-out. - Discuss the newest best practices with a contractor who comes in for becoming certified in that community. (Active)
7	Pollution Prevention	Identify businesses and activities that may pose a storm water contamination concern, and educate those specific audiences on methods of storm water pollution prevention.	Staff from each community to document what they have done over the course of their permit, and report to their local governing body. (Active) Newsletter articles about pollution prevention. [public education delivery mechanism] Social media posts about pollution prevention. [public education delivery mechanism]
8	Green Infrastructure/Low Impact Development	Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low impact development.	Rubber Ducky website – Green infrastructure, with directions for rain gardens, lawn care, and infiltration. Rubber Ducky website – specific section for lawn care and infiltration.

Marathon County MS4 Minimum Control Measures

2022

Public Education and Outreach

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

No.	Topic Area		Description			
1	Illicit Discharge Detection and Elimination		Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
A	4/19/2019	CPZ staff trained MCHD construction staff on identifying common illicit discharge in county highway ditches, specifically related to sewer discharges.	1	10	government employees	No
A	3/3/2020	DNR training for MCHD staff for culvert installation BMPs.	1	15-20	government employees	No
A	10/1/2021	Highway Staff Spill Prevention, Control and Countermeasures training	1	51-100	government employees	No
P	1/1/2022	NCWSC Website info	1	100+	public	Yes
P	1/1/2022	Surface Discharge Handout for POWTS, Available as handout at staff training and in public display areas.	1	100+	public and government employees	Yes

Marathon County MS4 Minimum Control Measures

2022

Public Education and Outreach

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

No.	Topic Area		Description			
2	Household Hazardous Waste Disposal / Pet Waste Management / Vehicle Washing		Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.			
Active	Date	Description	Quantity	Estimated People	Audience	Regional Effort
Passive						
A	4/1/2019	MCHD all staff Spring Training discussing protection of storm water inlets at hwy shops	1	65	Public Employees	No
P	4/1/2019	Rubber Ducky Commercials during Earth Week, 1 week campaign on WAOW, WSAW and WZAW.	10+	1000's	General public	yes
A	6/1/2020	Landfill Staff conducts tours with adults and college students educating on landfill and hazardous waste disposal.	3+	100	General public	no
P	4/1/2020	Rubber Ducky Commercials during Earth Week, 1 week campaign on WAOW, WSAW and WZAW.	10+	1000's	General public	yes
A	10/19/2021	Salt Wise Training and Open House, Highway and City staff demonstrated equipment and collaborated on ideas for using brine to reduce salt usage and improve roadway safety.	1	Nov-50	government employees and public	Yes
P	4/1/2021	Rubber Ducky Commercials during Earth Week, 1 week campaign on WAOW, WSAW and WZAW.	10+	1000's	General public	yes
A	6/1/2021	Landfill Staff conducts tours with adults and college students educating on landfill and hazardous waste disposal.	3+	100	General public	no
P	1/1/2022	Rubber Ducky Commercials during Earth Week, 1 week campaign on WAOW and WSAW.	10+	1000's	General public	yes

Marathon County MS4 Minimum Control Measures

2022

Public Education and Outreach

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

No.	Topic Area		Description			
3	Yard Waste Management / Pesticide and Fertilizer Application		Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.			
Active	Date	Description	Quantity	Estimated People	Audience	Regional Effort
Passive						
P	4/1/2020	Municipalities within MS4 have websites providing information on proper disposal sites for yard waste.	?	1000's	General Public	Yes
A	6/1/2021	County Landfill Composting Webinar	1	11-50	General Public	Yes
P	4/1/2021	Municipalities within MS4 have websites providing information on proper disposal sites for yard waste.	?	1000's	General Public	Yes
P	4/1/2022	Municipalities within MS4 have websites providing information on proper disposal sites for yard waste.	?	1000's	General Public	Yes

Marathon County MS4 Minimum Control Measures

2022

Public Education and Outreach

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No.	Topic Area		Description			
4	Stream and Shoreline Management		Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.			
Active						
Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
P	1/1/2019	Distribution of Handouts1. "A Guide to Healthy Shorelands" 2. "Frequently Asked Shoreland Zoning Questions" 3. "Managing Runoff With Healthy Lakes Practices" 4. "The Eau Pleine Partnership for Integrated Conservation" 5. "Wetland Identification Program"	9	225	General Public	Y
A	2019	Shoreland Alteration or Mitigation Permits	89	89	General Public	N
P	1/1/2020	Distribution of Handouts1. "A Guide to Healthy Shorelands" 2. "Frequently Asked Shoreland Zoning Questions" 3. "Managing Runoff With Healthy Lakes Practices" 4. "The Eau Pleine Partnership for Integrated Conservation" 5. "Wetland Identification Program"	9	100	General Public	Y
A	1/1/2020	Shoreland Alteration or Mitigation Permits	44	44	General Public	N

Marathon County MS4 Minimum Control Measures

2022

Public Education and Outreach

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No.	Topic Area		Description			
5	Residential Infiltration		Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks			
Active	Date	Description	Quantity	Estimated People	Audience	Regional Effort
Passive						
A	8/1/2019	No Farms - No Food T shirts and presentation by UW Extension	1	200	General Public	Yes
P	1/1/2021	Rain Gardens with Informational Signs in Rib Mountain, Weston, CPZ and Kronenwetter	4	101+	General Public	Yes
P	1/1/2022	Rain Gardens at four local locations	4	1000's	General Public	Yes

Marathon County MS4 Minimum Control Measures

2022

Public Education and Outreach

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No.	Topic Area		Description			
6	Construction Sites and PostConstruction Storm Water Management		Inform and educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.			
Active Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
P	2019	Printed and Distributed Construction Site Erosion Control Field Guides	1	250	public employees and contractors	Yes
A	2019	Training for Highway Department Construction Crews for erosion control	1	10	public employees	No
A	3/3/2020	DNR training for MCHD staff for culvert installation BMPs.	1	15-20	government employees	No
A	4/1/2021	Training for Highway Department Construction Crews for erosion control	1	10	public employees	No
A	4/1/2022	Training for Highway Department Construction Crews for erosion control	1	10	public employees	No

Marathon County MS4 Minimum Control Measures

2022

Public Education and Outreach

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

No.	Topic Area		Description			
7	Pollution Prevention		Identify businesses and activities that may pose a storm water contamination concern, and educate those specific audiences on methods of storm water pollution prevention.			
Active						
Passive	Date	Description	Quantity	Estimated People	Audience	Regional Effort
A	5/11/2019	Wisconsin River Cleanup Sponsorship and presentation at the welcome event	1	300	General public	yes
A	10/1/2019	Cub Scout Tour - approximately 100 scouts and parents toured highway shop to learn about winter maintenance and the salt reduction strategies the Department is utilizing.	1	100	General public	Yes
A	10/19/2021	Salt Wise Training and Open House, Highway and City staff demonstrated equipment and collbrated on ideas for using brine to reduce salt usage and improve roadway safety.	1	50	government employees and public	Yes
A	8/4/2021	Salt Wise Contractor Triaining	1	50	Contractors	Yes
A	10/28/2022	Salt Wise Open House at Wausau Schools	1	40	School District and municipal staff	yes
P	10/28/2022	News Story about Salt Wise Open House	1	1000's	General public	Yes

2022

Public Involvement and Participation (Annual Report, Storm Water Management Program & Storm Water Policies/Ordinances). This should include community's Annual Volunteer Activity.

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