Public Works Committee Agenda Tuesday March 15, 2022 6:30 PM

Town of Verona Hall, 7669 County Highway PD

- 1. Call to Order/Additions to Agenda/Approve Agenda
- 2. Action: Review Minutes of February 15, 2022
- Discussion and Information: 2022 Brush Collection Program (15 Minutes)
- 4. Discussion and Information: Madison Metropolitan Sewerage District Force Main Replacement Project (5 minutes)
- Discussion and Possible Action: 2022 Road Maintenance Bids and the use American Rescue Plan Act (ARPA) funs to supplement the cost (15 minutes)
- 6. Discussion Bipartisan Infrastructure Law project funding possibilities (10 minutes)
- 7. Information: Valley Road Bridge Engineering Update (5 minutes)
- 8. Information: Fitchrona Road/Goose Lake Storm Drainage Review Memo. (5 minutes)
- 9. Development Updates: (5 minutes)
 - a. Sunset Pines CSM (Olson)
 - b. Dairy Ridge Heights Plat
 - c. Sunset Llama Condominium Plat
- 10. Equipment Condition Update (5 minutes)
- 11. Reschedule April Committee Meeting due to Annual Meeting and Set Agenda
- 12. Adjourn

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Notice is also given of a possible quorum of the Plan Commission and /or the Town of Verona Board could occur at this meeting for the purposes of gathering information only.

Public Works Committee Minutes Tuesday, February 15, 2022 - 6:30 PM Town of Verona Hall, 7669 County Highway PD

Present: Phyllis Wiederhoeft - Chair, John Senseman, Mike Duerst, Manfred Enburg

Absent: Russ Swiggum

Also Present: Christopher Barnes - Public Works Director, Mark Judd - Patrolman

Public Present: None

- Call to Order/Additions to Agenda/Approve Agenda Chair Wiederhoeft called the meeting to order at 6:30 PM. Wiederhoeft asked for additions and approval of the agenda. Duerst moved to accept the agenda, second by Senseman, motion carried.
- 2. Action: Review Minutes of December 21, 2021 The minutes were reviewed by the committee. Wiederhoeft noted a grammatical correction. Duerst called for a motion to approve the January minutes as corrected, second by Senseman, motion carried.
- 3. Discussion and Information: 2022 Brush Collection Program Wiederhoeft asked Barnes for any update. Barnes stated that two companies responded with interest in a town program: Pellitteri and Maple Leaf Landscaping. Barnes will set up meeting to see what type of a program each company would propose to perform. Barnes also stated that he had spoken with a representative of Purple Cow Organics and discussed the details of brush collection and processing by Purple Cow. The Purple Cow representative, Jeanne Whitish, stated that she had seen many types of brush programs, and in her experience, towns the size of Verona typically provide a roll-off box for residents to drop off material for processing. Senseman questioned how residents without the means to haul brush could use a drop off. Barnes stated that is perhaps what either of the responding companies could provide. Enburg stated that such a program may appeal mostly to a limited portion of the town that have smaller lots. Wiederhoeft stated that the program was set up by the Town Board to be self-funded so that the costs would be borne only by those that use the program. No further discussion.
- 4. Discussion and information: Madison Metropolitan Sewerage District Force Main Replacement Project Barnes described the map in the agenda and summarized the 4 routes currently under consideration for a second pipeline from the City of Verona as a relief force main in addition to the existing sewer force main. Wiederhoeft stated that an on-line public meeting was scheduled for the February 23rd for comments. General discussion continued about the need and the purpose for the new force main. Duerst stated that he preferred the southern 2 routes for the line since it would give the town the opportunity to work on replacing the Goose Lake outlet culverts. Barnes stated that route 4 may also provide the opportunity to eliminate two sections of the town sewer system and combine with MMSD.

- 5. Discussion and Possible Action: 2022 Sanitary Cleaning proposals Wiederhoeft asked Barnes to explain the bid summary for sewer cleaning and stated that each year, the sewer district was scheduled to clean approximately 1/3 of the existing sewer lines. Barnes further stated that this year a portion of the area to be cleaned was under consideration for the MMSD new force main, and if route 4 was selected, there would be no reason to clean the sewer this year. Barnes stated that the bids would now go the Town Board for acceptance.
- 6. Discussion Bipartisan Infrastructure Law Project Funding Possibilities Wiederhoeft stated she had learned that the Wisconsin Towns Association was having a webinar to discuss the possibilities of this funding for town roads. Barnes stated that the funds required using the standard federal aid process for design, bidding, and construction and was an 80% federal/20% local match program. Barnes stated that Fitchrona Road and Whalen would be good candidates to investigate for the monies, Enburg stated that perhaps the town should look at White Crossing Road and Riverside Road bridges for replacement. Barnes stated that applications would be due to the WISDOT in June. No further discussion.
- 7. Information: Valley Road Bridge Engineering Update Wiederhoeft asked for an update. Barnes stated that the environmental documents had been submitted to WISDOT, and the process was on schedule. There was also a possibility that the town had acquired some additional Right of Way in 1974 which may eliminate the need for grading easements.
- 8. Information: Stormwater Basin Inventory Wiederhoeft asked Barnes to explain the memo contained in the agenda. Barnes stated that the Plan Commission had asked for information on stormwater control basins in the town. The attached map summarizes the location, size, and ownership of the 11 basins in the town. Senseman asked who was responsible for maintenance and repair of the basins. Barnes noted that they were all privately owned except for the town-owned basin at the facility site and the basin on Pleasant View Road at Stony Ridge Circle, which is maintained by the City of Verona.
- Development Updates Wiederhoeft asked Barnes to summarize the current developments:
 - a. **Sunset Pines CSM (Olson)** Barnes states this 4 lot CSM was located on Sunset Drive near Deer Haven Trail. Enburg explained the sight distance requirements for driveways. Barnes stated that there would be some minor improvements necessary for the existing driveway, and no new driveways would access Sunset Drive.
 - b. **Dairy Ridge Heights Plat** Barnes presented the plan in the agenda. Enburg stated that the shared driveways were a good requirement. Senseman asked about the storm basin maintenance responsibility, Barnes replied that the homeowner's association was responsible.

- c. Sunset Llama Condominium Plat Wiederhoeft stated this was the new CSM adjacent to her property. Enburg asked about access to Sunset Drive. Barnes stated that no new access to Sunset is allowed, all access will be through an existing driveway on Sunset and Beach Road.
- 10. **Equipment Condition Update** Judd stated that there were no equipment or vehicle issues.
- 11. Schedule March 2022 Committee Meeting and Set Agenda Next meeting will be March 15, 2022 at 6:30 pm
- 12. **Adjourn** Motion by Duerst to adjourn, seconded by Enburg, motion carried. Meeting adjourned at 8:37 pm.

Approved: March 15, 2022

Prepared by: W. Christopher Barnes

Brush Collection Program

I am interested in a town-wide brush collection program. No	I am interested ir
If Yes, do you support a fee of approximately \$150/yr. for 3 collections	If Yes, do you sup
(including Xmas trees)?	Xmas trees)?
What town Road do you live on (required)?	What town Road
You can also access this survey on the town website Please return this postcard by April 30, 2022. Thank you	YC

608 845-7187 | www.town.verona.wi.us

Brush Collection Program

i am interested in a town-wide brush collection program. No	If Yes, do you support a fee of approximately \$150/yr. for 3 collections (including	Amas trees) :	What town Road do you live on (required)?	You can also access this survey on the town website Please return this postcard by April 30, 2022. Thank you
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608 845-7187 |www.town.verona.wi.us

TOWN OF VERONA

TO: Town Board of Supervisors

DATE: March 10, 2022

FROM: W. Christopher Barnes, Public Works Director

SUBJECT: 2022 Road Maintenance Project

ACTION RECOMMENDED that the Town Board:

A. Award a contract to Payne and Dolan, Inc. in the amount of \$376,585.54 for paying and chip seal of various roads

B. The Shortfall in the town capital budget for road construction be supplemented with Funds from the town allocation of American Rescue and Plan Act (ARPA) funds in the amount of \$45,617.

C. Initiate an agreement with Dane County in the approximate amount of \$ 5,000.00 for pavement striping

D. Authorize the purchase of new regulatory and warning signs from Decker Supply Co. Inc. In the approximate amount of \$4,000.00

As part of the 2022 Capital Improvement Plan, three roads were selected for improvements this year: Sunset drive, Grandview Road and Rolling Oaks Lane. The improvements generally consist of asphalt wedging and leveling of poor or distressed areas, aggregate chip seal, sign replacement and restriping of existing pavement markings. Also included in the program is the construction of approximately 500 feet of concrete curb and gutter along a section of Sunset Drive, east of Beach Road, to control erosion along the road edge. The concrete gutter will terminate into a French drain structure to collect debris and sediment before discharging into the Sunset Drive ditch. The 2022 town budget for road maintenance is \$349,968.

The project bids were received on March 8, 2022 with three companies submitting bids. A summary of the received bids as well as a complete tabulation is attached. Based on the current road conditions, logistics, and available funding, staff is recommending the award of all of the projects to Payne and Dolan, Inc.

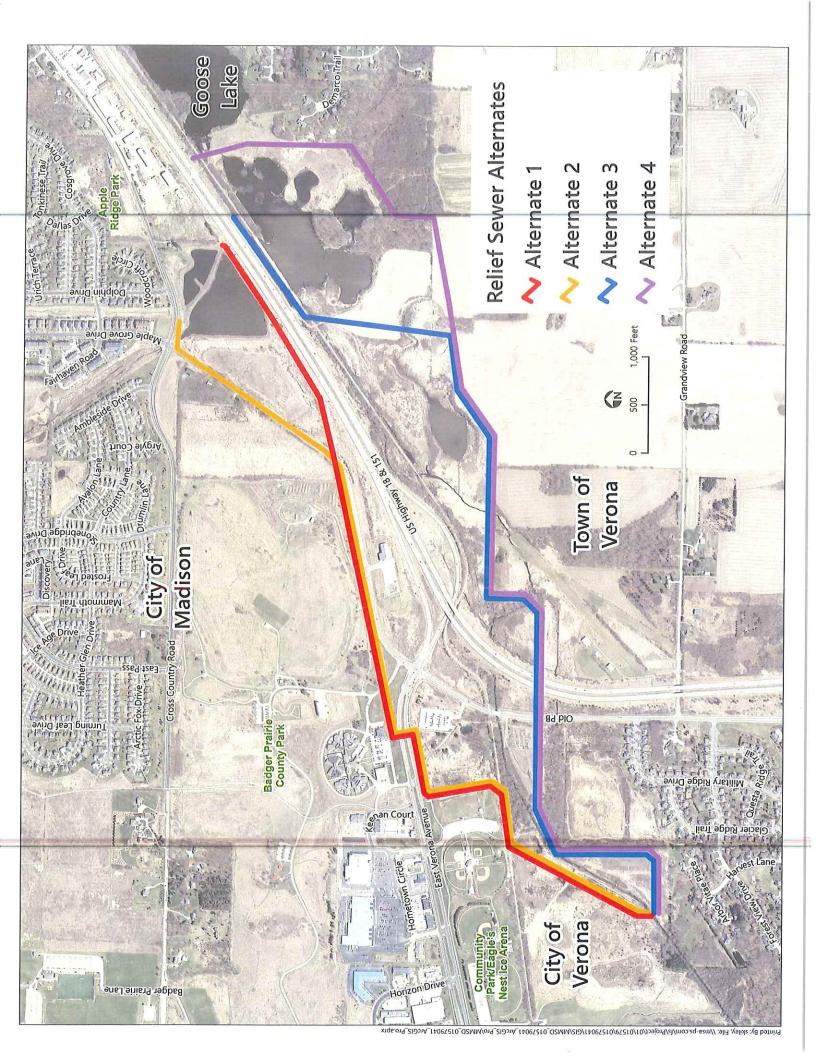
As is typical with road construction bid on constructed quantities, the project could come in under or over the bid amount. If during construction the staff recognizes that the

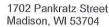
project will come in below budget, staff will review other town roads in need of remedial repair If this is the case, staff will return to the board with the appropriate change order documentation for approval.

Payne and Dolan, Inc. has completed many similar projects for the town and are qualified to complete the project. If awarded, the project is scheduled to be completed by July 31, 2022.

Currently the town has an unencumbered balance of American Rescue Plan Act (ARPA) funds in the amount of \$72,000. The shortfall in the town capital budget for road construction be supplemented with Funds from the town allocation of American Rescue and Plan Act (ARPA) funds in the amount of \$45,617.

Attachment







P (608) 242-7779 TF (800) 362-4505 F (608) 242-5664 www.msa-ps.com

March 10, 2022

Mark Geller, Town Chair Town of Verona 7669 CTH PD Verona, WI 53593

Re:

Town of Verona 2022 Roadway Maintenance Projects

Town of Verona

Dear Mr. Geller:

Upon review of the bids received on March 8, 2022 for the above-referenced project, it was found that they were submitted by qualified contractors. It is our recommendation that the low responsive bidder listed below be accepted and award made at your next meeting.

Payne & Dolan, Inc. 6295 Lacy Road Fitchburg, WI 53593

Bid Amount \$376,585.54

Please execute the enclosed Notice of Award for the contract. Once the form is signed, please email a copy back to ldeuchars@msa-ps.com. After receiving the executed copy, we will forward one copy of the Notice of Award and the remaining contract package to the Contractor.

Sincerely,

MSA Professional Services, Inc.

Kevin Loud

Kevin Lord

Senior Team Leader - Engineering

KL:ld Enc.

Town of Verona 2022 General Engineering (#8117857) Owner: Town of Verona Solicitor: MSA Professional Services - Madison 03/08/2022 01:00 PM CST MSA Project #00376038

	.				Payne 8	& Dolan, Inc.	Wolf Paving		Scott Cor	Scott Construction, Inc	
Section Title	Line Item	Item Description	UofM	Quantity	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	
PROJECT A: SUN	ISET DRIVE (C	TH PB - BEACH RD)								1	
	1	Mobilization/ Bonds/ Insurance	LS	1	\$100.00	\$100.00	\$540.00	\$540.00	\$3,029.00	\$3,029.00	
	2	Traffic Control	LS	1	\$100.00	\$100.00	\$300,00	\$300,00	\$500.00	\$500.0	
	3	Asphaltic Seal Coat	SY	12490	\$1.87	\$23,356.30	\$1.87	\$23,356,30	\$1.96	\$24,417.9	
	4	HMA Leveling Course, 5LT	TON	1044	\$71.00	\$74,124.00	\$79.00	\$82,476.00	\$77.10	\$80,492.40	
		9	EΑ	15	\$180.00	\$2,700.00	\$210.00	\$3,150,00	\$185.00	\$2,775.0	
	6	Aggregate Shoulder 3/4-Inches	TON	250	\$28,00	\$7,000.00	\$30.00	\$7,500.00	\$38.50	\$9,625.0	
		Total Project A, Items #1-#6	;			\$107,380.30		\$117,322.30		\$120,839.3	
PROJECT B : SUN	ISET DRIVE (BE	ACH RD - BORCHERT RD)				1					
	7	Mobilization/ Bonds/ Insurance	LS	1	\$100,00	\$100.00	\$2,040.00	\$2,040.00	\$2,700.00	\$2,700.00	
	8	Traffic Control	LS	1	\$100,00	\$100.00	\$425.00	\$425.00	\$200.00	\$200,00	
	9	Common Excavation	LS	1	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	
	10	Saw Cutting	LF	515	\$2.50	\$1,287.50	\$2.25	\$1,158.75	\$2.50	\$1,287.50	
	11	Dense Graded Base	TON	220	\$16.00	\$3,520.00	\$17.00	\$3,740.00	\$20.00	\$4,400.00	
		24-Inch, Type D, 6-Inch Sloped Concrete		· · · · · · · · · · · · · · · · · · ·				1	,		
	12	Curb and Gutter	LF	510	\$20.20	\$10,302.00	\$26.50	\$13,515.00	\$21.00	\$10,710.00	
		Catch Basin, 5-Foot Dia. w/Neenah R-2563						1			
	13	Casting	EA	1	\$6,000.00	\$6,000.00	\$7,500.00	\$7,500.00	\$9,200,00	\$9,200.00	
	14	Rip Rap, 6"-8"	SY	6	\$60.00	\$360.00	\$75.00	\$450.00	\$100.00	\$600.00	
	15	Asphaltic Seal Coat	SY	5785	\$1.87	\$10,817.95	\$1.87	\$10,817.95	\$1.96	\$11,309.68	
	16	HMA Leveling Course, 5LT	TON	500	\$71.00	\$35,500.00	\$83.00	\$41,500.00	\$77,10	\$38,550.00	
	17	Sign Installation	EA	7	\$180.00	\$1,260.00	\$210.00	\$1,470.00	\$185,00	\$1,295.00	
	18	Aggregate Shoulder 3/4-Inches	TON	105	\$28.00	\$2,940.00	\$38.00	\$3,990.00	\$38.50	\$4,042.50	
	19	Topsoil, Seed, Fertilize and Erosion Matting	SY	226	\$8.00	\$1,808.00	\$8.55	\$1,932.30	\$7.00	\$1,582.00	
		Total Project B, Items #7-#19;				\$77,995.45		\$93,539.00		\$89,876.68	
PROJECT C : GRA	NDVIEW ROAD)									
	20	Mobilization/Bonds/Insurance	LS	1	\$100.00	\$100,00	\$540.00	\$540,00	\$1,419.00	\$1,419.00	
	21	Traffic Control	LS	1	\$100.00	\$100.00	\$325.00	\$325,00	\$500.00	\$500.00	
	22	Asphaltic Seal Coat	SY	19285	\$1.87	\$36,062.95	\$1.87	\$36,062,95	\$1.96	\$37,702.18	
	23	HMA Leveling Course, 5LT	TON	1703	\$71.00	\$120,913.00	\$76.00	\$129,428.00	\$77.10	\$131,301.30	
	24	Sign Installation	EA	13	\$180.00	\$2,340.00	\$210.00	\$2,730.00	\$185.00	\$2,405.00	
	25	Aggregate Shoulder 3/4-Inches	TON	360	\$28.00	\$10,080.00	\$24.00	\$8,640.00	\$38.50	\$13,860.00	
Total Project C, Items #20-#25:					\$169,595.95		\$177,725.95		\$187,187.48		
PROJECT D : ROLL	ING OAKS LAN	VE .									
		Mobilization/Bonds/Insurance	LS	1	\$100.00	\$100,00	\$540.00	\$540,00	\$621.00	\$621.00	
	27	Traffic Control	LS	1	\$100.00	\$100,00	\$200.00	\$200.00	\$200.00	\$200.00	
	28	Asphaltic Seal Coat	SY	3232	\$1.87	\$6,043.84	\$1.87	\$6,043.84	\$1.96	\$6,318.56	
	29	HMA Leveling Course, 5LT	TON	170	\$83.00	\$14,110.00	\$95.00	\$16,150.00	\$96.40	\$16,388.00	
	30.5	Sign Installation	FΛ	1	\$190.00	\$190.00	\$210.00	\$210.00	C19E 00	C10F.00	

TON

EΑ

30 Sign Installation
31 Aggregate Shoulder 3/4-Inches

Total Project D, Items #26-#31:

Base Bid Total, Items #1-#31:

24

\$45.00

\$180.00

\$180,00

\$1,080,00

\$21,613.84

\$376,585.54

\$210.00

\$78.00

\$185.00

\$45.00

\$210.00

\$1,872,00

\$25,015.84 \$413,603.09

\$185.00

\$1,080.00

\$24,792.56 \$422,696.06

BIL Infrastructure Summary Town of Verona 3/1/2022



wcb

1	Maple Grove	Road,	Verona	Road	to City	of Madison
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	Description	Cost
	STP Estimated Construction Cost Engineering Total	\$226,657 \$45,321 \$271,978
	Local Match for BIL Program	\$90,652
	2023 CIP Budget amount (chip seal only)	\$20,000
	Typical 100% leveling and chip seal treatment	\$90,000
2	Whalen Road, Fitchrona to City of Verona	
	STP Estimated Construction Cost Engineering Total	\$306,020 \$61,203 \$367,223
	Local Match for BIL Program	\$122,407
	2024 CIP Budget amount (25% wedge and chip seal only)	\$60,000
	Typical 100% leveling and chip seal treatment	\$124,100
2	Fitchrona Road , Whalen Road to Tonto Trail	
	STP Estimated Construction Cost Engineering Total	\$362,147 \$72,427 \$434,574
	Local Match for BIL Program	\$144,856
	2024 CIP Budget amount (50% wedge and chip seal only)	\$106,400
	Typical 100% leveling and chip seal treatment	\$166,320

TOWN OF VERONA

TO: Town Board of Supervisors

DATE: March 10, 2022

FROM: W. Christopher Barnes, Public Works Director

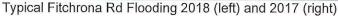
SUBJECT: Stormwater Management Study for Fitchrona Road and Goose Lake - Summary

The 2020 adopted town budget included funding for an engineering report to evaluate the stormwater runoff and control in the Fitchrona Road/Goose Lake area. The subject area has been experiencing rising lake levels in recent years, which has caused flooding in Fitchrona road and the surrounding area. Rising lake levels in Goose Lake have also impacted sections of the Town sewer utility district. The City and Town have jointly retained an engineering consultant to analyze the existing and future hydrologic conditions of the area and develop solutions to provide relief from the rising water levels. The study was completed in August 2021.

Background

Fitchrona Road, located on the border between the Town of Verona and City of Fitchburg, has seen periodic flooding near the US 151 underpass. Flooding and resulting road closures have affected both Fitchburg and Town of Verona residents. Changing the elevation of the road to reduce chronic flooding is not considered feasible because there is an existing substandard bridge clearance issue that prevents raising the road enough to prevent water from encroaching into the road. The Wisconsin DOT is not looking to perform major reconstruction/maintenance on the bridges for at least 25 years. Due to the increased runoff in the watershed area of Goose Lake, during storm events generally in excess of 2 inches water and depending upon the elevation of Goose Lake, water will pond in Fitchrona Road near US 151.







In 2019, the City of Fitchburg contracted with an engineering consultant to analyze the underpass for drainage recommendations to improve flooding conditions on Fitchrona Road. The study proposed several storm sewer system modifications to improve flow to Goose Lake. Based on these findings, Dane County removed a culvert near the MMSD lift station in February 2020. The additional drainage system proposed by the study will be installed when Fitchrona Road is reconstructed as budget allows.

The study mentioned above looked at the upstream watershed and studied how to efficiently move water through the stormwater system to Goose Lake. The purpose of this study would be to determine the potential for water to back up from Goose Lake onto Fitchrona Road, evaluate existing and potential outlet options for Goose Lake, propose solutions to prevent Fitchrona Road from flooding, and propose an achievable water level (based on a potential new outlet structure) which could reduce flooding on Fitchrona Road to the maximum extent practical.

Two 18-inch CMPs on the western edge of the lake serve as the only drainage outlet. Each pipe is fitted with a backflow prevention flap gate on the downstream end of the pipes; however, the flap gates are no longer functioning. Based on interviews with local residents, these backflow prevention flaps were put in place to prevent downstream tailwater of Badger Creek from entering Goose Lake. If the culverts reach capacity or are blocked, there is no safe overland flow route as tailwater would flood Fitchrona Road prior to overtopping the berm on the west side of the lake





Goose Lake outlet culverts 2021 (left) and 2017 (right)

Water then flows into a manmade wetland area owned by Dane County Parks, then north under the Military Ridge trail, and west via a manmade channel. MMSD's force main plans, dated 1997, indicate that a driveway culvert under MMSD's gravel access road may have existed at the time that the plan set was developed which would have allowed water to continue west into Badger Mill Creek; however, no culvert has ever been located.





US 151 Right of Way outlet of Dane County Parks wetland area Near Badger Mill Creek 2017 (left) and 2021 (right)

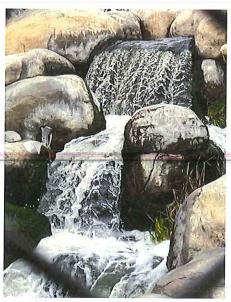
Today, the overflow route is north under US Highway 151, west through a channel, and then south to Badger Mill Creek.





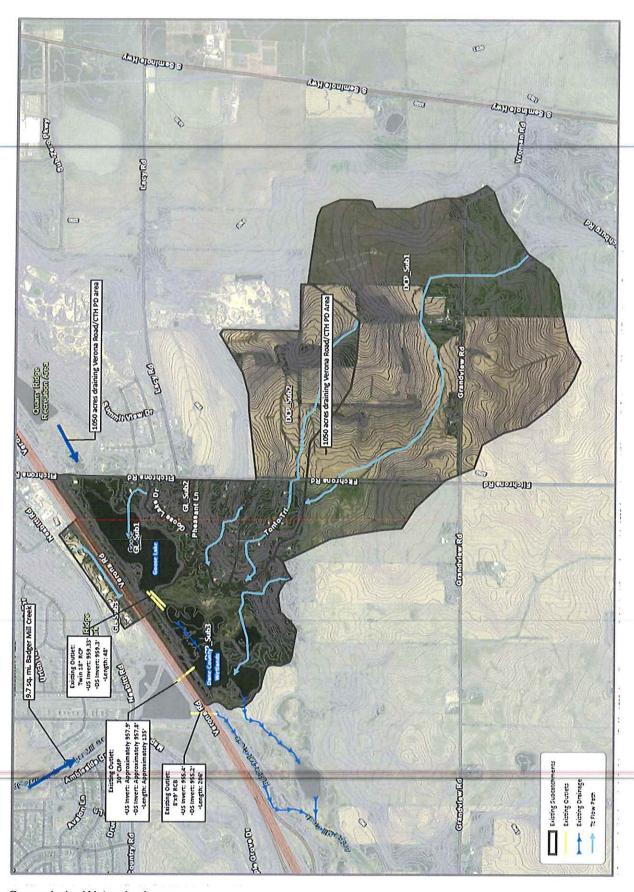
Outlet of Badger Mill Creek downstream of us 151 2017 (left) and 2021 (right)

The discharge point for MMSD's effluent line is located downstream on Badger Mill Creek.

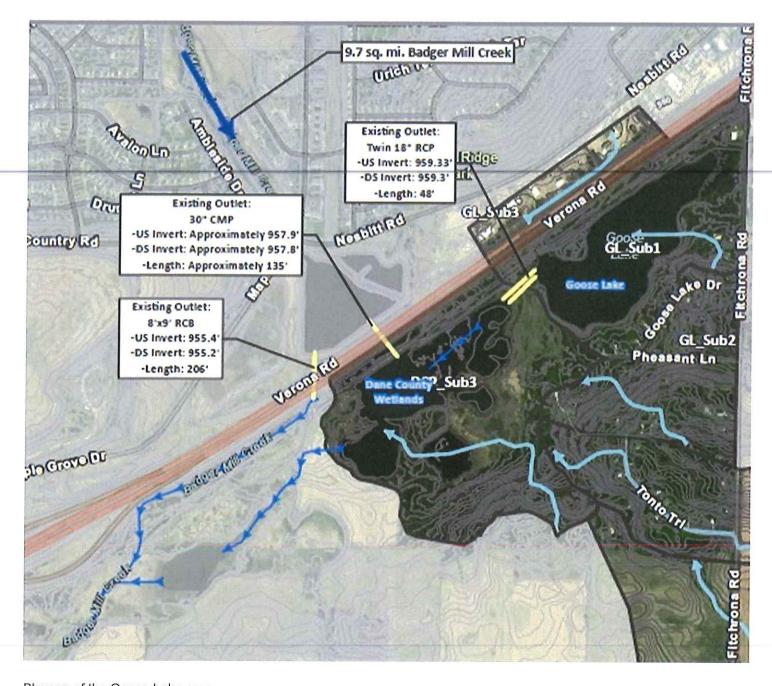


2021

Overall, the system functions in the manner shown on the below map.



Goose Lake Watershed area



Blow up of the Goose Lake area

In order to determine acceptable levels of water backup on Fitchrona Road, several watershed computer models were developed to analyze different plans to release water into the Badger Mill Water creek channel. Each option was reviewed for the protection level afforded Fitchrona Road as well as the downstream impacts on the Badger Mill Creek. Current conditions on Fitchrona Road result in flooding and overtopping of the road approximately every 2 years. The recommended option reduces the overtopping flooding to once every 25 years (an accepted national standard for roads in the Fitchrona classification) and regulates the water volumes in Goose Lake by increasing the size and capacity of the outlet culverts. Specifically, the recommended plan calls for:

- Increased storm sewer installations along Fitchrona Road near US 151 underpass to be completed as part of a Fitchrona Road reconstruction program.
- Twin 48" diameter culverts at Goose Lake outlet Culverts to be set approximately 2 feet lower than the existing 18" diameter culverts.
- Construct approximately 1,000 feet of open swale channels in 4 locations in the Dane County parks wetlands area.

This option estimates the 100-year water diameter culverts in Fitchrona Road to be approximately 1 foot deep instead of the current condition of 2.5 feet. It also lowers the high-water level in Goose Lake by approximately 1.6 feet (from elev. 959.5 to 957.9). The downstream peak discharge is increased by approximately 20%, resulting in an increased flood elevation downstream of less than 0.1 foot. A map of the recommended option is attached.

The cost of this recommended alternative is estimated at approximately \$300,000 including engineering and permitting. Additionally, this option would likely require:

- Wetland and waterway permit from Wisconsin DNR
- Potential for US Army Corps water quality certification
- Coordination/approval with Dane County Parks
- Work in the right-of-way permit from WisDOT
- · Downstream stormwater easement or property acquisition for drainage flow

Please let me know if you have any questions regarding this matter.

Attachment



Locator Map Not to Scale

City of Fitchburg Dane County, WI

Figure 1 RECOMMENDED ALTERNATIVE

REGIONAL STORMWATER
MANAGEMENT STUDY AND
DESIGN- FITCHRONA ROAD
AND GOOSE LAKE

Date: 3/10/2021



