

Item 7b.**Sunfish Lake Engineer's Report for August 3, 2021**

By: Jeff Sandberg, PE
City Engineer

Date: July 27, 2021

1. Engineering Activities Undertaken in the Month of July

The following Engineer's Report reflects the Engineering activities undertaken this past month.

- A. 2021 Capital Improvement Projects – A preconstruction conference is scheduled with the contractor for August 2nd. Details on schedule and project phasing will be discussed. Letters will be mailed to affected residents letting them know of project details and contacts prior to project start.
- B. Salem Church Road and Delaware Intersection Improvements – Dakota County is planning to initiate pavement and striping improvements on August 9th. The work is anticipated to be completed by August 13th.
- C. 2022 Draft Engineering Budget – Staff has prepared the Draft 2022 Engineering Budget for review. SEE ATTACHMENT 1C.
- D. City Lake Pumping – Water was not flowing from any of the City lakes in July; therefore, no lake pumping was permitted in July. A notice will be sent to all lakeshore owners that still have pumps in the lake and that have not applied for a pumping permit after August 8th.

2. Building and Site Reviews in the Month of July

- A. Staff conducted reviews for the following properties in July:
 - 100 Windy Hill Road: A formal application has been received and has been reviewed.
 - 300 Salem Church Road: A formal application has been received and has been reviewed.
 - 2154 Charlton: A formal application has been received and has been reviewed.

3. Public Works Activities Undertaken in the Month of July

- A. No Public Works activities were performed in July.

4. Anticipated Engineering/Public Works Activities for the Month of August

- A. The 2021 Capital Improvement Projects are anticipated to begin construction around August 15th. WSB will provide inspections for the work.

The above constitutes the Engineering Report for the City of Sunfish Lake for August 3, 2021.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jeffry S. Sandberg". The signature is fluid and cursive, with the first name "Jeffry" being more prominent.

Jeffry S. Sandberg, PE
City Engineer

ITEM 7b. ATTACHMENT 1C.



Memorandum

To: Ann Lanoue, City Treasurer
City of Sunfish Lake

From: Jeff Sandberg, PE, City Engineer

Date: July 26, 2021

Re: 2022 Budget Items (DRAFT)

The proposed engineering budget for 2022 is identified herein. The budget has been based on past costs and anticipated work.

City Engineer

Monthly Engineering Items – Miscellaneous	\$	42,290
Administrative Costs for Water Permits.....	\$	2,500
Total	\$	44,790

Water Quality Monitoring / Lake Maintenance

NPDES – MS4 Annual Report and Hearing	\$	3,200
LGU Role for Wetland Conservation Act.....	\$	1,800
CAMP Program	\$	1,140
Total	\$	6,140

General Street Maintenance

Street Sweeping (incl in current Snowplowing contract)	\$	0
Sign Replacement (CIP)	\$	1,200
Striping Maintenance (CIP)	\$	3,300
Culvert Maintenance (CIP)	\$	3,000
Pavement Management Inventory (Update in 2024)	\$	0
Bituminous Maintenance (CIP).....	\$	5,000
Shoulder Maintenance.....	\$	1,100
Total	\$	13,600

Funding from CIP for 2022 Projects	\$	146,000
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Snow Removal – Inver Grove Heights	\$	3,000
Snow Removal – City Streets	\$	39,000

Please call me at 651-286-8474 upon review of the proposed budget.

2022 CIP - Sunfish Lake Road Reconstruction / Maintenance Schedule

Updated July 26, 2021

Roadway	Year Constructed	Segment Length (ft)	Year of Past Overlay	Year of Future 2" Overlay	Year of Future Reconstruction	5 - YR Maintenance (Crack seal and seal coat)	2021 PCI
Charlton Road	2019	3,515				2023, 2029	N/A
Salem Church Road (west)	2009	5,405				2016, 2022 , 2028	82
Salem Church Road (east)	1989	3,000	2017			2023, 2029	93
Grieve Glen Road	1996	1,375	2021			2013, 2027	100
Acorn Drive	2006	1,350				2013, 2022 , 2028	92
Roanoke Road	1989	925	2017			2022 , 2028	81
Zehnder Road	1989	555	2021			2013, 2027	100
60th Street W	1999	2,800					53
Angell Road (west)	1989	900	2014			2022 , 2028	92
Angell Road (east)	1989	1,170	2021			2013, 2027	100
Sunny Side Lane	1989	1,360	2021			2013, 2027	100
Windy Hill Court	2014	945				2023, 2029	90
Windy Hill Road	2014	1,520				2023, 2029	94
Upper 55th St W	1989	1,000					N/A

Estimated Construction Costs includes 10% contingency and 35% admin (2021 Dollars)

	Cost/ Lin Ft.
Crack Seal, Fog and Seal Coat	\$ 17.00
2" Mill and Overlay	\$ 72.00
Full Depth Reclamation	\$ 160.00

	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
Length of Crack Seal and Fog Seal Coat (ft)	8,580	5,980				4,460	8,580	8,980		
Length of 2" Mill and Overlay (ft)										
Length of Full Depth Reconstruction (ft)										

	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
Cost of Crack Seal and Fog Seal Coat	\$ 145,860	\$ 101,660	\$ -	\$ -	\$ -	\$ 75,820	\$ 145,860	\$ 152,660	\$ -	\$ -
Cost of 2" Mill and Overlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Cost of Full Depth Reconstruction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Assessable Cost *	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
General Maintenance Fund	\$ 145,860	\$ 101,660	\$ -	\$ -	\$ -	\$ 75,820	\$ 145,860	\$ 152,660	\$ -	\$ -
City Cost-Share of Assessable Projects										

* Refer to Adopted City Assessment Policy

2022 - 2031 CAPITAL IMPROVEMENT PLAN

SUMMARY
APPENDIX B

	Notes	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	TOTALS
<u>Improvement Project Costs</u>												
<u>A.) General Street Maintenance/ Water Quality (100% City Tax Levy)</u>												
1.) Street Sweeping	2	\$0	\$0	\$1,750	\$1,750	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	
2.) Sign Replacement and maintenance	1	\$1,200	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	
3.) Striping maintenance		\$3,300	\$3,300	\$3,300	\$4,700	\$4,700	\$4,700	\$4,700	\$4,700	\$4,700	\$4,700	
4.) Bituminous Maintenance		\$5,000	\$4,500	\$4,500	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	
5) Shoulder Maintenance		\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,300	\$1,400	\$1,400	\$1,400	
6.) Annual Lake Water Quality Monitoring	6	\$1,140	\$1,300	\$1,300	\$1,300	\$1,400	\$1,400	\$1,400	\$1,400	\$1,400	\$1,400	
Subtotal General Street Maintenance		\$11,740	\$11,800	\$13,550	\$15,450	\$15,700	\$15,700	\$15,700	\$15,800	\$15,800	\$15,800	
<u>Capital Improvement Plan</u>												
<u>B.) 100% City Levy Improvements</u>												
1.) Infrastructure Management Update (Pavement and Culvert Management Plan Updates)				\$8,500			\$8,800					
2.) Crack Seal		\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	
3.) Crack Fill, Fog & Seal Coat	7	\$146,000	\$101,660			\$75,820	\$145,860	\$152,660		\$0	\$0	
4.) Culvert Cleaning & End Section Repair						\$0						
5.) Sunfish Lake TMDL Improvements	4		\$0	\$0								
6.) Miscellaneous Storm Water Improvements	4											
7.) SWPPP Program and Implementation	5	\$3,200	\$2,800	\$2,800	\$3,100	\$3,100	\$3,300	\$3,300	\$3,500	\$3,500	\$3,700	
Sub Total CIP Projects		\$149,200	\$104,460	\$11,300	\$3,100	\$78,920	\$157,960	\$155,960	\$3,500	\$3,500	\$3,700	
<u>C.) Assessed City Improvements (Bonding Requirements)</u>												
1.) 2009 Salem Church Road Project (Final Payment 2/1/2020)												\$0
2.) 2014 Street Improvement Project		\$40,682	\$39,837	\$38,808	\$37,779							\$157,106
3.) 2017 Street Improvement Project		\$48,725	\$47,759	\$46,794	\$51,077	\$49,802	\$48,526	\$48,526				\$341,209
4.) 2019 Charlton Road Improvements		\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$800,000
5.) 2021 Street Improvement Projects	3,8	\$63,500	\$63,500	\$63,500	\$63,500	\$63,500	\$63,500	\$63,500	\$63,500	\$63,500	\$63,500	\$635,000
Sub Total Assessed City Projects		\$232,907	\$231,096	\$229,102	\$232,356	\$193,302	\$192,026	\$192,026	\$143,500	\$143,500	\$143,500	\$1,933,315
<u>D.) Assessed City Improvements (Collected from Special Assessments)</u>												
1.) 2009 Salem Church Road Levy												\$0
2.) 2014 Street Improvement Levy		\$21,592	\$20,832	\$20,071	\$19,311							\$81,806
3.) 2017 Street Improvement Levy		\$15,363	\$14,852	\$14,342	\$13,831	\$13,321	\$12,810	\$12,810				\$97,329
4.) 2019 Charlton Road Improvements Levy		\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$32,000	\$320,000
5.) 2021 Street Improvements Levy	3, 8	\$50,800	\$50,800	\$50,800	\$50,800	\$50,800	\$50,800	\$50,800	\$50,800	\$50,800	\$50,800	\$508,000
Subtotal Special Assessment Funding		\$119,755	\$118,484	\$117,213	\$115,942	\$96,121	\$95,610	\$95,610	\$82,800	\$82,800	\$82,800	\$1,007,135
<u>General Fund Expenditures</u>												
<u>City Tax Levy (Collected from General Tax Levy)</u>												
GENERAL TAX LEVY (A+B)		\$160,940	\$116,260	\$24,850	\$18,550	\$94,620	\$173,660	\$171,660	\$19,300	\$19,300	\$19,500	
ASSESSED PROJECTS LEVY (C-D)		\$113,152	\$112,612	\$111,889	\$116,414	\$97,181	\$96,416	\$96,416	\$60,700	\$60,700	\$60,700	
Subtotal City Tax Levy Funding Requirements		\$274,092	\$228,872	\$136,739	\$134,964	\$191,801	\$270,076	\$268,076	\$80,000	\$80,000	\$80,200	

Notes

- 1.) Replace Regulatory Signs
2.) Street Sweeping Included in Snowplowing Contract through 2023
3.) Overlay, Mill and Overlay and / or Reconstruct; assumes project to be assessed
4.) Storm Water Improvements Required by MS4 Permit
5.) Water Quality Improvements per MPCA requirements
6.) Watershed typically reimburses City \$400 per lake for CAMP monitoring
7.) Acorn Drive, Roanoke, and Angell Road (West)
8.) Zehnder, Angell (East), and Sunnyside Lane, Grieve Glen