

VILLAGE OF ELM GROVE

13600 Juneau Boulevard

Elm Grove, WI 53122

PUBLIC WORKS UTILITIES COMMITTEE

Monday, April 11th, 2022 * 6:00 PM * Park View Room

AGENDA

1. Call meeting to order

Documents:

[*Meeting Memo 4-11-22.pdf*](#)

2. Review and act on minutes from March 14th, 2022 meeting

Documents:

[*PW031422md.pdf*](#)

3. Update on Streambank Stabilization Project

4. Update on PP I/I

5. Update on Gebhardt Rd reconstruction

6. Update on Capital Paving Plan

Documents:

[*Paving Cost Worksheets 10 Year Budgeting .pdf*](#)

7. Update on Public Works Projects

8. Other Business

9. Adjourn

Any person who has a qualifying disability as defined by the Americans with Disabilities Act who requires that the meeting or materials for the meeting has to be in an accessible location or format must contact the Village Clerk, Michelle Luedtke, at 262-782-6700 or 13600 Juneau Boulevard by 3:00 PM Friday prior to the meeting so that any necessary arrangements can be made to accommodate your request.

NOTICE: It is possible that members of, and possibly a quorum of, other governmental bodies of the Village may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to in the above notice.

Memo

To: Public Works Utilities Committee
From: David De Angelis, Village Manager, Richard Paul Jr., Director of Public Works
Date: April 8, 2022
Re: Public Works Agenda April Meeting

Item 3: Update on Streambank Stabilization Project

Interfluve is working on the 90% plans and will be ready to submit to the DNR and Army Corps this month.

Item 4: Update on PP I/I

MMSD has not had an opportunity to schedule their meeting with the Village yet at this time, but will likely do so in April. There are 2 more laterals that will be addressed from the 2000 lining project which is set to be done in the next month or two.

Item 5: Update on Gebhardt Rd reconstruction

Ruekert-Mielke is working at completing the plans for this project after last month's meeting, discussion and direction.

Item 6: Update on Capital Paving Plan

Included in your packet is the Capital Paving Plan that was last discussed with the committee. The bid is set to go out next week for Watertown Plank Rd with increasing the scope to extend further west beyond Verdant to address the intersection at Pilgrim Pkwy as feasible.

PUBLIC WORKS/UTILITIES (PWUC) COMMITTEE
MEETING MINUTES
Monday, March 14th, 2022 6:00 p.m., Park View Room

1. Roll call.

The meeting was called to order by Mr. De Angelis. He requested a motion for to appoint a chairmen. Mr. McNamara moved and Mr. Harley seconded the motion to approve George Haas. Motion passed unanimously.

Meeting was called to order at 6:05 pm by Mr. Haas

Present: Mr. Haas, Mr. Casperson, Mr. Harley and Mr. McNamara Via Zoom Mr. Coons

Absent: Ms. Cornell & Mr. Kressin

Also Present: Mr. De Angelis and Mr. Paul, Andy Petersen and Peter Gesch of Ruekert Mielke via Zoom
Additional attendees included residents

2. Review and act on minutes for February 21st, 2021 Meeting.

Mr. Coons moved and Mr. McNamara seconded to approve the February 21st, 2022 meeting minutes. Motion carried 5-0.

3. Review and possible recommendation on Gebhardt Rd/Highland Dr. Reconstruction

Mr. Paul turned the meeting over to Mr. Andy Petersen and Mr. Peter Gesch of Ruekert-Mielke to present the current design and details on the Gebhardt Rd/Highland Dr intersection redesign. Discussion points included intersection radii, stop sign placement, dedicated left turn lane and road shift deflections. Further discussion included drainage, curb and gutter and safety buffers. Mr. Gesch also pointed out that it would be advantageous not to have all of the stormwater from draining across the road from the south to the north to prevent the possibility of melting and refreezing snow that would cause icing issues that would require more attention. This would also help prevent the north side ditch from being overwhelmed by larger storms to allow for the ditches on both sides of the intersection to handle the stormwater load. The addition of only 5' of pavement to the south would allow for the installation of a turn lane as well as make a minimal impact on the adjacent landscaping.

Mr. Coons added that he thought the 40' intersections were probably best for the travelling public to reduce the sight obstructions and ease of understanding the intersection operation. The committee agreed. The committee further discussed the pavement markings at the intersection and how to best convey what is intended for vehicular movement. The committee agreed to only mark the left turn only and leave the rest of the right lane unmarked to allow for the right turn and through movement.

The committee is advising Village Staff and Engineer to move forward to go ahead and complete the design and then have the committee do one final review.

Mr. Gesch also provided an option to split the project into 2 phases which would split the project in half to be under \$1M at Berkshire Rd, include cutting down the hill at the Gebhardt/Highland. Mr. Haas suggested it would be better to do both parts at once in order to take advantage of the economy of scale and in consideration that the cost of construction is likely to continue rising, Mr. De Angelis also spoke of trying to apply for Build Back America funding that is available.

4. Update on PP I/I

Mr. Paul introduced the updated work plan created by Ruekert-Mielke to include 24 laterals that needed to be televised from the inside of the home or "upstream" side as there was problems with getting through due to roots, debris or pipe issues.

The committee agreed to have staff and R-M to move forward with bidding the televising and engaging the residents. The committee is in agreement to proceed with the planned work, Mr., Paul also added that Village Staff will be meeting with MMSD representatives in the next month to discuss ideas that the district has.

5. Update on Public Works Projects.

Mr. Paul explained that the DPW as able to take delivery of all of the encumbered salt for the season and that barring any ice storms we should be stocked and in good shape for the 2022-23 season.

6. Other Business.

None

7. Adjourn

Mr. McNamara motioned and Mr. Harley seconded to adjourn the meeting at 7:07 pm Motion carried 5-0.

Respectfully Submitted

Richard Paul, Jr.
Public Works Director

DRAFT

Paving Costs 2022 - 2032 - 10 Year Plan

2019 Paser Rating	Last Year Paved	Years Old	Street Name	From	To	Length in ft	Width in feet	Length in tenths	Sq. Yds	AC Binder Thickness	AC Tons Binder	AC Binder Cost	AC Surface Thickness	AC Tons Surface	AC Surface Cost	Milling per Sq Yd	Pulverizing Per Sq Yd	Total Cost	10% Contingency for Undercutting	Grand Total	Budget Year		
5	1980	42	Watertown Plank Rd	Highland Dr	Pilgrim Pkwy	3011	30	0.5703	10037	4	2258	\$ 146,770.00	2	1129	\$ 84,675.00	\$ 53,696.17	\$ 53,696.17	\$ 338,837.33	\$ 33,883.73	\$ 372,721.07	2022		
4	1995	27	Walters Court	Highland Dr	Lone Tree Rd	628	20	0.1189	1396	3.5	275	\$ 17,875.00	1.5	117	\$ 8,775.00	\$ 7,466.22	\$ 7,466.22	\$ 41,582.44	\$ 4,158.24	\$ 45,740.69	2022		
4/5	1997	25	Lone Tree Rd	Watertown Plank Rd	Terrace Ct	1822	20	0.3451	4049	3.5	797	\$ 51,805.00	1.5	341	\$ 25,575.00	\$ 21,661.56	\$ 53,696.17	\$ 152,737.72	\$ 15,273.77	\$ 168,011.49	2022		
4	2001	21	Woodland Ave	Terrace Ct	Juneau Blvd	675	20	0.1278	1500	3.5	295	\$ 19,175.00	1.5	130	\$ 9,750.00	\$ 8,025.00	\$ 53,696.17	\$ 9,064.62	\$ 9,064.62	\$ 99,710.78	2022		
																				\$ 686,184.03	2022		
5	1993	29	Gebhardt Rd	Pilgrim Pkwy	Highland Dr	2500	24	0.4735	6667	3.5	1368	<i>Per the estimate from Ruekert-Mielke including the pathway, shaving down Highland for better sight distance, widening</i>										2023	
6/7	1993	29	Highland Dr	Gebhardt Rd	Westover	824	24	0.1561	2197	3.5	435	<i>roadway to 24' standard but with no realignment. *See additional memo from R-M</i>										2023	
																				\$ 1,100,000.00	2023		
4	2000	22	Wedgewood E	Wedgewood Dr W	Gebhardt Rd	1109	22	0.21	2711	3.5	533.71	\$ 34,691.15	1.5	228.73	\$ 17,154.75	\$ 14,503.26	\$ 14,503.26	\$ 80,852.41	\$ 8,085.24	\$ 88,937.65			
5	2000	22	Wedgewood W	Wedgewood Dr E	Gebhardt Rd	792	22	0.15	1936	3.5	381.15	\$ 24,774.75	1.5	163.35	\$ 12,251.25	\$ 10,357.60	\$ 10,357.60	\$ 57,741.20	\$ 5,774.12	\$ 63,515.32			
5	2002	20	Westmoor Terrace	Gebhardt Rd	Brojan Dr	1755	24	0.3324	4680	3.5	922	\$ 59,930.00	1.5	395	\$ 29,625.00	\$ 25,038.00	\$ 25,038.00	\$ 139,631.00	\$ 13,963.10	\$ 153,594.10			
5	1997	25	Brojan Dr	Westmoor Terrace	Kata Dr	280	24	0.053	746.7	3.5	147	\$ 9,555.00	1.5	32	\$ 2,400.00	\$ 3,994.67	\$ 3,994.67	\$ 19,944.33	\$ 1,994.43	\$ 21,938.77			
																				\$ 327,985.84			
5/6	1995	27	Highland Dr	North Ave	Club Dr/Tracks	2536	24	0.4803	6763	4	1521.6	\$ 98,904.00	2	760.8	\$ 57,060.00	\$ 36,180.27	\$ 36,180.27	\$ 192,144.27	\$ 19,214.43	\$ 211,358.69			
5	2001	22	Hawthorn Dr	Highland Dr	Highland Dr	1659	20	0.3142	3687	3.5	725	\$ 47,125.00	1.5	311	\$ 23,325.00	\$ 19,723.67	\$ 19,723.67	\$ 90,173.67	\$ 9,017.37	\$ 99,191.03			
																				\$ 310,549.73			
4/5	2004	18	Elmhurst Pkwy WB	124th St	Blue Ridge Blvd	1800	20	0.3409	4000	3.5	790	\$ 51,350.00	2	450	\$ 33,750.00	\$ 21,400.00	\$ 21,400.00	\$ 106,500.00	\$ 10,650.00	\$ 117,150.00			
5/6	2004	18	Elmhurst Pkwy EB	Notre Dame	124th St	2325	20	0.4403	5167	3.5	1018	\$ 66,170.00	2	585	\$ 43,875.00	\$ 27,641.67	\$ 27,641.67	\$ 137,686.67	\$ 13,768.67	\$ 151,455.33			
																				\$ 268,605.33			
Subdivision																							
5	1996	26	Westover Rd	Highland Dr	Sunset Dr	1200	20	0.2273	2667	3.5	1050	\$ 68,250.00	1.5	450	\$ 33,750.00	\$ 14,266.67	\$ 14,266.67	\$ 130,533.33	\$ 13,053.33	\$ 143,586.67			
4/5	2002	21	Greenway Terrace	Hillside Road	Juneau	2800	20	0.5303	6222	3.5	1225	\$ 79,625.00	1.5	525	\$ 39,375.00	\$ 33,288.89	\$ 33,288.89	\$ 185,577.78	\$ 18,557.78	\$ 204,135.56			
5	1992	30	Sunset Dr	Woodlawn Circle	Hillside Rd	1100	20	0.2083	2444	3.5	482	\$ 31,330.00	1.5	206	\$ 15,450.00	\$ 13,077.78	\$ 13,077.78	\$ 72,935.56	\$ 7,293.56	\$ 80,229.11			
5	1992	30	Lakeside Dr	Woodlawn Circle	Juneau	1400	20	0.2652	3111	3.5	612.5	\$ 39,812.50	1.5	262.5	\$ 16,644.44	\$ 16,644.44	\$ 16,644.44	\$ 92,788.89	\$ 9,278.89	\$ 102,067.78			
5	1993	29	Woodlawn Circle	Greenway Terrace	Juneau	3180	20	0.6023	7067	3.5	1392	\$ 90,480.00	1.5	596	\$ 44,700.00	\$ 37,806.67	\$ 37,806.67	\$ 210,793.33	\$ 21,079.33	\$ 231,872.67			
5/6	1992	30	Overhill Rd	Lakeside Dr	Juneau Blvd	1100	20	0.2083	2444	3.5	482	\$ 31,330.00	1.5	206	\$ 15,450.00	\$ 13,077.78	\$ 13,077.78	\$ 72,935.56	\$ 7,293.56	\$ 80,229.11			
5/6	1992	30	Hillside Rd	Overhill Rd	Highland Dr	3300	22	0.625	8067	3.5	1588	\$ 103,220.00	1.5	681	\$ 51,075.00	\$ 43,156.67	\$ 43,156.67	\$ 240,608.33	\$ 24,060.83	\$ 264,669.17			
7	2009	22	Orchard Lane	Hillside Road	Juneau Blvd	1050	20	0.1989	2333	3.5	460	\$ 29,900.00	1.5	197	\$ 14,775.00	\$ 12,483.33	\$ 12,483.33	\$ 69,641.67	\$ 6,964.17	\$ 76,605.83			
7	2011	20	Crestwood Ct	Greenway Terrace	Highland Dr	960	20	0.1818	2133	3.5	420	\$ 27,300.00	1.5	180	\$ 13,500.00	\$ 11,413.33	\$ 11,413.33	\$ 63,626.67	\$ 6,362.67	\$ 69,989.33			
																				\$ 1,253,385.22			
Subdivision																							
6	1993	24	Lilly Rd	Village Limits	Marcella Ave	1528	22	0.2894	3735	3.5	735.35	\$ 47,797.75	1.5	315.15	\$ 23,636.25	\$ 19,982.84	\$ 19,982.84	\$ 111,399.69	\$ 11,139.97	\$ 122,539.66			
5	1993	24	Garfield Ave	Lilly Rd	San Fernando Dr	616	20	0.1167	1369	3.5	269.5	\$ 17,517.50	1.5	115.5	\$ 8,662.50	\$ 7,323.56	\$ 7,323.56	\$ 40,827.11	\$ 4,082.71	\$ 44,909.82			
6	1993	24	Lloyd St	Lilly Rd	San Fernando Dr	616	22	0.1167	1506	3.5	269.5	\$ 17,517.50	1.5	115.5	\$ 8,662.50	\$ 8,055.91	\$ 8,055.91	\$ 42,291.82	\$ 4,229.18	\$ 46,521.00			
5	1993	24	Wrayburn Rd	Lilly Rd	San Fernando Dr	616	22	0.1167	1506	3.5	269.5	\$ 17,517.50	1.5	115.5	\$ 8,662.50	\$ 8,055.91	\$ 8,055.91	\$ 42,291.82	\$ 4,229.18	\$ 46,521.00			
7	1993	24	Grant Place	Lilly Rd	San Fernando Dr	616	22	0.1167	1506	3.5	269.5	\$ 17,517.50	1.5	115.5	\$ 8,662.50	\$ 8,055.91	\$ 8,055.91	\$ 42,291.82	\$ 4,229.18	\$ 46,521.00			
6	1993	24	Marcella Ave	Lilly Rd	San Fernando Dr	616	24	0.1167	1643	3.5	323.4	\$ 21,021.00	1.5	138.6	\$ 10,395.00	\$ 8,788.27	\$ 8,788.27	\$ 48,992.53	\$ 4,899.25	\$ 53,891.79			
7	1993	24	San Fernando Dr	Village Limits	Marcella Ave	1854	22	0.3511	4532	3.5	892.24	\$ 57,995.60	1.5	382.39	\$ 28,679.25	\$ 24,246.20	\$ 24,246.20	\$ 135,167.25	\$ 13,516.73	\$ 148,683.98			
																				\$ 509,588.26			
5	1992	27	Meadow Lane	Bluemound Rd	WTPLK Rd	1535	22	0.2907	3752	3.5	738.72	\$ 48,016.80	1.5	316.59	\$ 23,744.25	\$ 20,074.39	\$ 20,074.39	\$ 111,909.83	\$ 11,190.98	\$ 123,100.81			
5	2000	22	Verdant Dr	WTPLK Rd	Luther Lane	1584	22	0.3	3872	3.5	762.3	\$ 49,549.50	1.5	326.7	\$ 24,502.50	\$ 20,715.20	\$ 20,715.20	\$ 115,482.40	\$ 11,548.24	\$ 127,030.64			
6/7	2000	22	Luther Lane	Terrace Dr	Verdant Dr	634	22	0.1201	1550	3.5	305.11	\$ 19,832.15	1.5	130.76	\$ 9,807.00	\$ 8,291.31	\$ 8,291.31	\$ 46,221.77	\$ 4,622.18	\$ 50,843.95			
5/6	2006		Watertown Plank Rd	Highland Dr	Morningside Lane	4220	26	0.8	12191	4	2743	\$ 178,295.00	2	1371.5	\$ 102,862.50	\$ 65,222.44	\$ 65,222.44	\$ 411,602.39	\$ 41,160.24	\$ 452,762.63			
5	2008		Elm Grove Rd	Watertown Plank Rd	Juneau Blvd	1507	20	0.29	3349	4	754	\$ 49,010.00	2	377	\$ 28,275.00	\$ 17,916.56	\$ 17,916.56	\$ 113,118.11	\$ 11,311.81	\$ 124,429.92			
																	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
5	2002		St George Ct	Juneau Blvd	Termini	810	22	0.15	1980	3.5	390	\$ 25,350.00	1.5	167	\$ 12,525.00	\$ 10,593.00	\$ 10,593.00	\$ 59,061.00	\$ 5,906.10	\$ 64,967.10			
																	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4/5	2011		Watertown Plank Rd	124th St	300' west of int	Polygon calculation				1556					2	171.16	\$ 12,837.00	\$ 8,324.60	\$ 8,324.60	\$ 29,486.20	\$ 2,948.62	\$ 32,434.82	
5	2008		Stephen Place	Longwood Ave	Longwood Ave	160	24	0.03	426.7	3.5	84	\$ 5,460.00	1.5	36	\$ 2,700.00	\$ 2,282.67	\$ 2,282.67	\$ 12,725.33	\$ 1,272.53	\$ 13,997.87			
5	2003		Florence Dr	Wisconsin Ave	termini north	575	20	0.11	1278	3.5	252	\$ 16,380.00	1.5	107	\$ 8,025.00	\$ 6,836.11	\$ 6,836.11	\$ 38,077.22	\$ 3,807.72	\$ 41,884.94			
5	1976		Grandview Dr	Kurtis Dr	Goat's Hill termini	512	20	0.1	1138	3.5	224	\$ 14,560.00	1.5	96	\$ 7,200.00	\$ 6,087.11	\$ 6,087.11	\$ 33,934.22	\$ 3,393.42	\$ 37,327.64			
5	2002		San Jose	Madera Circle	Juneau Blvd	500	20	0.09	1111	3.5	218.75	\$ 14,218.75	1.5	94	\$ 7,050.00	\$ 5,944.44	\$ 5,944.44	\$ 33,157.64	\$ 3,315.76	\$ 36,473.40			
5	1999		Legion Dr	Nicolet Ave	Brook Ave	430	24	0.08	1147	3.5	225	\$ 14,625.00	1.5	96	\$ 7,200.00	\$ 6,134.67	\$ 6,134.67	\$ 34,094.33	\$ 3,409.43	\$ 37,503.77			
																	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
5	2004		Shady Ln	Walnut Rd	Elmhurst Pkwy	655	20	0.12	1456	3.5	287	\$ 18,655.00	1.5	123	\$ 9,225.00	\$ 7,787.22	\$ 7,787.22	\$ 43,454.44	\$ 4,345.44	\$ 47,799.89			
5	1975		Crescent Dr	Watertown Plank	Notre Dame	1640	20	0.31	3644	3.5	717	\$ 46,605.00	1.5	308	\$ 23,100.00	\$ 19,497.78	\$ 19,497.78	\$ 108,700.56	\$ 10,870.06	\$ 119,570.61			
5	1995		Fairhaven	Elmwood	Elmhurst	1240	22	0.23	3031	3.5	596	\$ 38,740.00	1.5	255	\$ 19,125.00	\$ 16,216.44	\$ 16,216.44	\$ 90,297.89	\$ 9,029.79	\$ 99,327.68			
4/5/6	2003		Walnut Rd	Blueridge Blvd	Longwood Ave	1200	20	0.23	2667	3.5	525	\$ 34,125.00	1.5	225	\$ 16,875.00	\$ 14,266.67	\$ 14,266.67	\$ 79,533.33	\$ 7,953.33	\$ 87,486.67			
4/5/6	2003		Walnut Rd	Notre Dame	124 th	2750	20	0.52	6111	3.5	1204	\$ 78,260.00	1.5	515	\$ 38,625.00	\$ 32,69							