VILLAGE OF MOUNT HOREB
E. Main Street
Mount Horeb, WI 53572
Phone: (608) 437-6884 Fax: (608) 437-3190
Email: mhinfo@mounthorebwi.info Web: mounthorebwi.info

PUBLIC WORKS COMMITTEE AGENDA
Monday, October 28, 2024 at 6:00 PM

Municipal Building Board Room
138 E. Main Street
Mount Horeb, WI

1) Call to order
2) Roll Call
3) Agenda Items
   a. Review and consider five-year street improvement plan
   b. Consideration of Committee meeting schedule
   c. Update on Lake Street stormwater project
   d. Public Services Director's Report
4) Future agenda items
5) Meeting adjournment.

UPON REASONABLE NOTICE, EFFORTS WILL BE MADE TO ACCOMMODATE THE NEEDS OF DISABLED INDIVIDUALS THROUGH APPROPRIATE AIDS AND SERVICES. FOR INFORMATION OR TO REQUEST THIS SERVICE, CONTACT ALYSSA GAFFNEY, CLERK, AT 138 E MAIN STREET, MOUNT HOREB, WI (608) 437-9404.

VILLAGE OF
MOUNT HOREB

AGENDA ITEM REPORT

MEETING DATE	PREPARED BY
October 28, 2024	Jeff Gorman, Public Services Director

AGENDA ITEM # 3.a

Review and consider five-year street improvement plan

BACKGROUND

RECOMMENDATION

ATTACHMENTS

1. street projects 25-29 cost estimates
2. Street projects 2025-2029

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

Roadway	Length Feet	Full Reconstruct	Overlay Pulverize
Bergum Rd (20XX)	1600	**$ 630,211**	$ 150,456
Blue Mounds St (2025)	2600	**$ 1,678,785**	$ 677,418
W Garfield St (2025)	1270	$ 577,729	**$ 325,953**
Henry St (2026)	1015	**$ 918,801**	
S First St (2026)	1985	**$ 1,943,924**	
S Second St (2027)	1650	**$ 1,577,460**	
N Brookwood (2027)	1005	**$ 553,670**	$ 186,698
Sand Rock Rd (2028)	2200	$ 748,605	**$ 320,291**
Long View (2028)	115	**$ 90,330**	**$ 42,024**
Riphahn Ct (2029)	220	**$ 107,514**	
Nordic View (2029)	176	$ 120,838	**$ 64,748**

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item			Bergum Rd (20XX)	
				Standardize MTH side	Current roadway
	Roadway Width	LF		29	24
	Roadway Length	LF		1,600	
	Existing Sidewalk	LF		-	-
	New Sidewalk (to be added)	LF		1,600	4

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity	Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	2,700	$ 72,900.00
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	3,700	
3	Curb & Gutter - full replacement	LF	$ 35.00	1,600	$ 56,000.00
4	Curb & Gutter - spot repair	LF	$ 45.00	-	
5	Manhole castings - Replace	EA	$ 3,000.00	2	$ 6,000.00
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	520	$ 33,800.00
7	Fine Grade Roadway	STA	$ 750.00	16	$ 12,000.00
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	1,237	$ 116,278.00
9	Base Course - 12-inches	Ton	$ 13.50	4,100	$ 55,350.00
10	Base Course - 18-inches	Ton	$ 13.50	6,100	
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 22,700.00
12	Pavement Striping	LF	$ 2.00	1	$ 3,200.00
13	Driveways	EA	$ 1,300.00	4	$ 5,200.00
14	Sidewalk	SF	$ 8.00	6,400	$ 51,200.00
15	Stormwater	LS	Varies	-	
16	Sanitary Sewer	LS	Varies	-	
17	Water Main	LS	Varies	-	
	PROJECT SUBTOTAL IN 2024 DOLLARS				**$ 434,628.00**
4%	**Construction Year Escalation (4% increment)**		Years	1	$ 17,385.12
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2025	**$ 452,013.12**
15%	**Design / Engineering / Permits**				$ 65,194.20
25%	**Construction Contingency**				$ 113,003.28
	PROJECT TOTAL (including design, engineering, and permitting)				**$ 630,210.60**

Overlay

B	Construction Items	Unit	Unit Cost	Quantity	Cost
1	2.5-inch Mill for Overlay	SY	$ 3.00	4,267	$ 12,801.00
2	Full-depth Pulverize for Overlay	SY	$ 3.00	-	
3	Curb & Gutter (Spot Repair)	LF	$ 45.00	-	
4	Manhole castings - Replace	EA	$ 3,000.00	2	$ 6,000.00
5	Base Patching - Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	520	
6	Fine Grade Roadway	STA	$ 750.00	16	
7	Asphalt 2.5-inch Overlay	Ton	$ 94.00	773	$ 72,662.00
7	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	1,237	
8	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 5,500.00
9	Pavement Striping	LF	$ 1.00	1	$ 1,600.00
10	Driveways	EA	$ 1,300.00	4	$ 5,200.00
11	Sidewalk	SF	$ 8.00	-	
12	Storm Sewer - Manhole/Inlet	EA	$ 3,400.00		
13	Storm Sewer Piping	LF	$ 90.00		
14	shouldering - grading	LF	$ 12.00		
	PROJECT SUBTOTAL IN 2024 DOLLARS				$ 103,763.00
4%	**Construction Year Escalation (4% increment)**		Years	1	$ 4,150.52
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2025	$ 107,913.52
15%	**Design / Engineering / Permits**				$ 15,564.45
25%	**Construction Contingency**				$ 26,978.38
	PROJECT TOTAL (including design, engineering, and permitting)				$ 150,456.35

Notes		Bergum Rd (20XX)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Reconstruction, Standard St East Side, No Year, E521600'/PASER 792' from Arthur. PASER 4. Full Reconstruction, 4-inch asphalt over 12-inch base, 12-ft lane on Town of Blue Mounds side, 17-ft lane on Village of Mount Horeb side. New curb & gutter on Village side. New sidewalk on Village side. Striping.
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		Overlay: Keep existing lane width 12-ft each side. No curb & gutter. No sidewalk No utility work included in this estimate
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item			Blue Mounds St (2025)	No. of curb returns @ intersections
	Roadway Width	LF		42	
	Roadway Length	LF		2,600	10
	Existing Sidewalk	LF		2,640	4
	New Sidewalk (to be added)	LF		2,680	4

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity	Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	5,400	
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	7,400	$ 199,800.00
3	Curb & Gutter - full replacement	LF	$ 35.00	5,350	
4	Curb & Gutter - spot repair	LF	$ 45.00	1,605	$ 72,225.00
5	Manhole castings - Replace	EA	$ 3,000.00	14	$ 42,000.00
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	970	$ 63,050.00
7	Fine Grade Roadway	STA	$ 750.00	26	$ 19,500.00
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	2,912	$ 273,728.00
9	Base Course - 12-inches	Ton	$ 13.50	9,400	
10	Base Course - 18-inches	Ton	$ 13.50	14,200	$ 191,700.00
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 59,400.00
12	Pavement Striping	LF	$ 2.00	2,600	$ 5,200.00
13	Driveways	EA	$ 1,300.00	11	$ 14,300.00
14	Sidewalk	SF	$ 8.00	13,360	$ 106,880.00
15	Stormwater	LS	Varies	1	$ 15,000.00
16	Sanitary Sewer	LS	Varies	1	$ 95,000.00
17	Water Main	LS	Varies	-	
	PROJECT SUBTOTAL IN 2024 DOLLARS				**$ 1,157,783.00**
4%	**Construction Year Escalation (4% increment)**		Years	1	$ 46,311.32
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2025	**$ 1,204,094.32**
15%	**Design / Engineering / Permits**				$ 173,667.45
25%	**Construction Contingency**				$ 301,023.58
	PROJECT TOTAL (including design, engineering, and permitting)				**$ 1,678,785.35**

Overlay

B	Construction Items	Unit	Unit Cost	Quantity	Cost
1	2.5-inch Mill for Overlay	SY	$ 3.00	12,100	$ 36,300.00
2	Full-depth Pulverize for Overlay	SY	$ 3.00	762,700	
3	Curb & Gutter (Spot Repair)	LF	$ 45.00	1,605	$ 72,225.00
4	Manhole castings - Replace	EA	$ 3,000.00	14	$ 42,000.00
5	Base Patching - Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	1,210	
6	Fine Grade Roadway	STA	$ 750.00	26	
7	Asphalt 2.5-inch Overlay	Ton	$ 94.00	1,820	$ 171,080.00
7	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	2,912	
8	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 24,400.00
9	Pavement Striping	LF	$ 1.00	-	
10	Driveways	EA	$ 1,300.00	11	$ 14,300.00
11	Sidewalk	SF	$ 8.00	13,360	$ 106,880.00
12	Storm Sewer - Manhole/Inlet	EA	$ 3,400.00		
13	Storm Sewer Piping	LF	$ 90.00		
14	shouldering - grading	LF	$ 12.00		
	PROJECT SUBTOTAL IN 2024 DOLLARS				$ 467,185.00
4%	**Construction Year Escalation (4% increment)**		Years	1	$ 18,687.40
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2025	$ 485,872.40
15%	**Design / Engineering / Permits**				$ 70,077.75
25%	**Construction Contingency**				$ 121,468.10
	PROJECT TOTAL (including design, engineering, and permitting)				$ 677,418.25

Notes		Blue Mounds St (2025)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Main to Parkway, 1265' Further? (Justin), Reconstruct, Spot Curb, Add sidewalk?, MSILT $32,300, 2025. PASER 5. 4-inch asphalt over 18-inch base, New sidewalk per circulation plan, Spot repair existing sidewalk @ 25% replacement, Spot repair curb & gutter @ 30% replacement, No striping. Stormwater improvements at Blue Mounds & Garfield $15,000 LS total
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		Sanitary sewer improvements: Connect MH24 and MH21 with 430 LF of 8-inch sanitary main and one new MH
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		4 of 11 driveways are commercial drive (Fire Dept driveway is 180 LF)
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	Add sidewalk along west and east sides (Grundahl Park - Parkway to Justin)
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	10/3/2024
Project	5 year plan
Client	Village of Mount Horeb
Project #	50581.000

Opinion of Probable Construction Cost

	Item				W Garfield St (2025)	
						No. of curb returns @ intersections
	Roadway Width	LF			34	
	Roadway Length	LF			1,270	10
	Existing Sidewalk	LF			-	-
	New Sidewalk (to be added)	LF			500	4

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity	Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	2,100	
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	2,900	$ 78,300.00
3	Curb & Gutter - full replacement	LF	$ 35.00	2,690	
4	Curb & Gutter - spot repair	LF	$ 45.00	807	$ 36,315.00
5	Manhole castings - Replace	EA	$ 3,000.00	4	$ 12,000.00
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	480	$ 31,200.00
7	Fine Grade Roadway	STA	$ 750.00	13	$ 9,525.00
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	1,151	$ 108,194.00
9	Base Course - 12-inches	Ton	$ 13.50	3,900	
10	Base Course - 18-inches	Ton	$ 13.50	5,800	$ 78,300.00
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 20,800.00
12	Pavement Striping	LF	$ 2.00	-	
13	Driveways	EA	$ 1,300.00	6	$ 7,800.00
14	Sidewalk	SF	$ 8.00	2,000	$ 16,000.00
15	Stormwater	LS	Varies	-	
16	Sanitary Sewer	LS	Varies	-	
17	Water Main	LS	Varies	-	
	PROJECT SUBTOTAL IN 2024 DOLLARS				$ 398,434.00
4%	**Construction Year Escalation (4% increment)**		Years	1	$ 15,937.36
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2025	$ 414,371.36
15%	**Design / Engineering / Permits**				$ 59,765.10
25%	**Construction Contingency**				$ 103,592.84
	PROJECT TOTAL (including design, engineering, and permitting)				$ 577,729.30

Overlay

B	Construction Items	Unit	Unit Cost	Quantity	Cost
1	2.5-inch Mill for Overlay	SY	$ 3.00	4,800	$ 14,400.00
2	Full-depth Pulverize for Overlay	SY	$ 3.00	-	
3	Curb & Gutter (Spot Repair)	LF	$ 45.00	807	$ 36,315.00
4	Manhole castings - Replace	EA	$ 3,000.00	4	$ 12,000.00
5	Base Patching - Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	480	$ 31,200.00
6	Fine Grade Roadway	STA	$ 750.00	13	
7	Asphalt 2.5-inch Overlay	Ton	$ 94.00	720	$ 67,680.00
7	Asphalt 4-inch (surface and binder)	Ton	$ 94.00		
8	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 11,800.00
9	Pavement Striping	LF	$ 1.00	-	
10	Driveways	EA	$ 1,300.00	6	$ 7,800.00
11	Sidewalk	SF	$ 8.00	2,000	$ 16,000.00
12	Storm Sewer - Manhole/Inlet	EA	$ 3,400.00	6	$ 20,400.00
13	Storm Sewer Piping	LF	$ 90.00	80	$ 7,200.00
14	shouldering - grading	LF	$ 12.00		
	PROJECT SUBTOTAL IN 2024 DOLLARS				**$ 224,795.00**
4%	**Construction Year Escalation (4% increment)**		Years	1	$ 8,991.80
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2025	**$ 233,786.80**
15%	**Design / Engineering / Permits**				$ 33,719.25
25%	**Construction Contingency**				$ 58,446.70
	PROJECT TOTAL (including design, engineering, and permitting)				**$ 325,952.75**

Notes		W Garfield St (2025)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Blue Mounds St. - west, 1270', Overlay, 2025. PASER 5. 2.5-inch mill & overlay, Spot repair curb & gutter at 30% replacement, New sidewalk from Blue Mounds west to end of new MHTC lot (500 LF)
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item			Henry St (2026)	
					No. of curb returns @ intersections
	Roadway Width	LF		36	
	Roadway Length	LF		1,015	10
	Existing Sidewalk	LF		170	4
	New Sidewalk (to be added)	LF		1,015	4

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity	Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	1,800	$ 48,600.000
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	2,500	
3	Curb & Gutter - full replacement	LF	$ 35.00	2,180	$ 76,300.000
4	Curb & Gutter - spot repair	LF	$ 45.00	654	
5	Manhole castings - Replace	EA	$ 3,000.00	3	$ 9,000.000
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	410	$ 26,650.000
7	Fine Grade Roadway	STA	$ 750.00	10	$ 7,612.500
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	974	$ 91,556.000
9	Base Course - 12-inches	Ton	$ 13.50	3,200	$ 43,200.000
10	Base Course - 18-inches	Ton	$ 13.50	4,800	
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 19,900.00
12	Pavement Striping	LF	$ 2.00	-	
13	Driveways	EA	$ 1,300.00	18	$ 23,400.00
14	Sidewalk	SF	$ 8.00	4,230	$ 33,840.00
15	Stormwater	LS	Varies	-	
16	Sanitary Sewer	LS	Varies	-	
17	Water Main	LS	Varies	1	$ 231,660.00
	PROJECT SUBTOTAL IN 2024 DOLLARS				**$ 611,718.50**
4%	**Construction Year Escalation (4% increment)**		Years	2	$ 49,916.23
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2026	**$ 661,634.73**
15%	**Design / Engineering / Permits**				$ 91,757.78
25%	**Construction Contingency**				$ 165,408.68
	PROJECT TOTAL (including design, engineering, and permitting)				**$ 918,801.19**

Notes		Henry St (2026)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: 1015'. Overlay or Reconstruct. PASER 6. Reconstruct: 4-inch asphalt over 12-inch base, Remove & Replace curb & gutter, New sidewalk per circulation plan, Spot repair existing sidewalk @ 25% replacement. Overlay: 2.5-inch mill & overlay, Spot repair curb & gutter @ 30% replacement, New sidewalk per circulation plan, Spot repair existing sidewalk @ 25% replacement.
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		Henry St: S 1st St-Maple St alley aprons included in driveway calc
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		REV1: New water main and full reconstruct.
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item			S First St (2026?)	
					No. of curb returns @ intersections
	Roadway Width	LF		37	
	Roadway Length	LF		1,985	18
	Existing Sidewalk	LF		2,285	5
	New Sidewalk (to be added)	LF		815	4

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity	Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	3,600	$ 97,200.00
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	5,000	
3	Curb & Gutter - full replacement	LF	$ 35.00	4,240	$ 148,400.00
4	Curb & Gutter - spot repair	LF	$ 45.00	1,272	
5	Manhole castings - Replace	EA	$ 3,000.00	10	$ 30,000.00
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	820	$ 53,300.00
7	Fine Grade Roadway	STA	$ 750.00	20	$ 14,887.50
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	1,959	$ 184,146.00
9	Base Course - 12-inches	Ton	$ 13.50	6,500	$ 87,750.00
10	Base Course - 18-inches	Ton	$ 13.50	9,700	
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 38,200.00
12	Pavement Striping	LF	$ 2.00	-	
13	Driveways	EA	$ 1,300.00	22	$ 28,600.00
14	Sidewalk	SF	$ 8.00	6,116	$ 48,930.00
15	Stormwater	LS	Varies	-	
16	Sanitary Sewer	LS	Varies	-	
17	Water Main	LS	Varies	1	$ 562,810.00
	PROJECT SUBTOTAL IN 2024 DOLLARS				**$ 1,294,223.50**
4%	**Construction Year Escalation (4% increment)**		Years	2	$ 105,608.64
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2026	**$ 1,399,832.14**
15%	**Design / Engineering / Permits**				$ 194,133.53
25%	**Construction Contingency**				$ 349,958.03
	PROJECT TOTAL (including design, engineering, and permitting)				**$ 1,943,923.70**

Notes		S First St (2026?)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Front to Carver. Reconstruct or Overlay. PASER 5.
		Reconstruct: 4-inch asphalt over 12-inch base, Remove & Replace curb & gutter, New sidewalk per circulation plan, Spot repair existing sidewalk @ 25% replacement.
		Overlay: 2.5-inch mill & overlay, Spot repair curb & gutter @ 30% replacement, New sidewalk per circulation plan, Spot repair existing sidewalk @ 25% replacement.
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		S 1st St: Width taken as average width within limits (i.e. gets wider from E Lincoln to Front)
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		S 1st St: Driveway number includes 2 military ridge aprons along with a 160' commercial drive
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	S 1st St: Sidewalk only Henry to Carver on west side
Spot repair existing sidewalk at 25% of total existing	25%	S 1st St: Existing sidewalk width taken as an average over entire run
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		REV1: New water main and full reconstruct.

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item				S Second St (2027)	No. of curb returns @ intersections
	Roadway Width	LF			36	
	Roadway Length	LF			1,650	14
	Existing Sidewalk	LF			4,165	5.42
	New Sidewalk (to be added)	LF			-	-

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity		Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00		2,900	$ 78,300.00
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00		4,100	
3	Curb & Gutter - full replacement	LF	$ 35.00		3,510	$ 122,850.00
4	Curb & Gutter - spot repair	LF	$ 45.00		1,053	
5	Manhole castings - Replace	EA	$ 3,000.00		4	$ 12,000.00
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00		660	$ 42,900.00
7	Fine Grade Roadway	STA	$ 750.00		17	$ 12,375.00
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00		1,584	$ 148,896.00
9	Base Course - 12-inches	Ton	$ 13.50		5,300	$ 71,550.00
10	Base Course - 18-inches	Ton	$ 13.50		7,900	
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies		1	$ 30,300.00
12	Pavement Striping	LF	$ 2.00		-	
13	Driveways	EA	$ 1,300.00		12	$ 15,600.00
14	Sidewalk	SF	$ 8.00		5,644	$ 45,148.60
15	Stormwater	LS	Varies		-	
16	Sanitary Sewer	LS	Varies		-	
17	Water Main	LS	Varies		1	$ 433,820.00
	PROJECT SUBTOTAL IN 2024 DOLLARS					**$ 1,013,739.60**
4%	**Construction Year Escalation (4% increment)**		Years	3		$ 126,579.58
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2027		**$ 1,140,319.18**
15%	**Design / Engineering / Permits**					$ 152,060.94
25%	**Construction Contingency**					$ 285,079.80
	PROJECT TOTAL (including design, engineering, and permitting)					**$ 1,577,459.92**

Notes		S Second St (2027)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Lincoln to Carver, 1,720'. Reconstruct or overlay. Water? PASER 5/6. Reconstruct: 4-inch asphalt over 12-inch base, Remove & Replace curb & gutter, New sidewalk per circulation plan, Spot repair existing sidewalk @ 25% replacement. Overlay: 2.5-inch mill & overlay, Spot repair curb & gutter @ 30% replacement, New sidewalk per circulation plan, Spot repair existing sidewalk @ 25% replacement.
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		S 2nd St: One of the driveways is for MTH schools (large)
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		REV1: New water main and full reconstruct.
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item			N Brookwood (2027)	No. of curb returns @ intersections
	Roadway Width	LF		37	
	Roadway Length	LF		1,005	3
	Existing Sidewalk	LF		200	4
	New Sidewalk (to be added)	LF		-	-

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity	Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	1,800	$ 48,600.00
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	2,500	
3	Curb & Gutter - full replacement	LF	$ 35.00	2,055	$ 71,925.00
4	Curb & Gutter - spot repair	LF	$ 45.00	617	
5	Manhole castings - Replace	EA	$ 3,000.00	7	$ 21,000.00
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	410	$ 26,650.00
7	Fine Grade Roadway	STA	$ 750.00	10	$ 7,537.50
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	992	$ 93,248.00
9	Base Course - 12-inches	Ton	$ 13.50	3,300	$ 44,550.00
10	Base Course - 18-inches	Ton	$ 13.50	4,900	
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 18,600.00
12	Pavement Striping	LF	$ 2.00	-	
13	Driveways	EA	$ 1,300.00	17	$ 22,100.00
14	Sidewalk	SF	$ 8.00	200	$ 1,600.00
15	Stormwater	LS	Varies	-	
16	Sanitary Sewer	LS	Varies	-	
17	Water Main	LS	Varies	-	
	PROJECT SUBTOTAL IN 2024 DOLLARS				**$ 355,810.50**
4%	**Construction Year Escalation (4% increment)**		Years	3	$ 44,427.92
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2027	**$ 400,238.42**
15%	**Design / Engineering / Permits**				$ 53,371.58
25%	**Construction Contingency**				$ 100,059.61
	PROJECT TOTAL (including design, engineering, and permitting)				**$ 553,669.60**

Overlay

B	Construction Items			Quantity	Cost
1	2.5-inch Mill for Overlay	SY	$ 3.00	4,100	$ 12,300.00
2	Full-depth Pulverize for Overlay	SY	$ 3.00	4,100	
3	Curb & Gutter (Spot Repair)	LF	$ 45.00	617	
4	Manhole castings - Replace	EA	$ 3,000.00	7	$ 21,000.00
5	Base Patching - Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	410	
6	Fine Grade Roadway	STA	$ 750.00	10	
7	Asphalt 2.5-inch Overlay	Ton	$ 94.00	620	$ 58,280.00
7	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	992	
8	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 6,300.00
9	Pavement Striping	LF	$ 1.00	-	$ -
10	Driveways	EA	$ 1,300.00	17	$ 22,100.00
11	Sidewalk	SF	$ 8.00	200	
12	Storm Sewer - Manhole/Inlet	EA	$ 3,400.00		
13	Storm Sewer Piping	LF	$ 90.00		
14	shouldering - grading	LF	$ 12.00		
	PROJECT SUBTOTAL IN 2024 DOLLARS				$ 119,980.00
4%	**Construction Year Escalation (4% increment)**		Years	3	$ 14,981.18
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2027	$ 134,961.18
15%	**Design / Engineering / Permits**				$ 17,997.00
25%	**Construction Contingency**				$ 33,740.30
	PROJECT TOTAL (including design, engineering, and permitting)				$ 186,698.48

Notes		N Brookwood (2027)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Fox Run to Perimeter, 1005'. Reconstruct. Pave gravel turnaround. PASER 5. N Brookwood: Average width of entire run (assuming limits are wanted to be through Perimeter 1005') Full Reconstruction, 4-inch asphalt over 12-inch base, 12-ft lane on Town of Blue Mounds side, 17-ft lane on Village of Mount Horeb side. New curb & gutter on Village side. New sidewalk on Village side.
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item				Sand Rock Rd (2028?)	
						No. of curb returns @ intersections
	Roadway Width	LF			24	
	Roadway Length	LF			2,200	0
	Existing Sidewalk	LF			-	
	New Sidewalk (to be added)	LF			-	-

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity	Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	2,600	
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	3,600	$ 97,200.00
3	Curb & Gutter - full replacement	LF	$ 35.00	-	
4	Curb & Gutter - spot repair	LF	$ 45.00	1,320	$ 59,400.00
5	Manhole castings - Replace	EA	$ 3,000.00	-	$ -
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	590	$ 38,350.00
7	Fine Grade Roadway	STA	$ 750.00	22	$ 16,500.00
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	1,408	$ 132,352.00
9	Base Course - 12-inches	Ton	$ 13.50	4,600	
10	Base Course - 18-inches	Ton	$ 13.50	6,800	$ 91,800.00
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 24,300.00
12	Pavement Striping	LF	$ 2.00	1	$ 4,400.00
13	Driveways	EA	$ 1,300.00	-	
14	Sidewalk	SF	$ 8.00	-	
15	Stormwater	LS	Varies	-	
16	Sanitary Sewer	LS	Varies	-	
17	Water Main	LS	Varies		
	PROJECT SUBTOTAL IN 2024 DOLLARS				$ **464,302.00**
4%	**Construction Year Escalation (4% increment)**		Years	4	$ 78,865.67
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2028	$ **543,167.67**
15%	**Design / Engineering / Permits**				$ 69,645.30
25%	**Construction Contingency**				$ 135,791.92
	PROJECT TOTAL (including design, engineering, and permitting)				$ **748,604.89**

Overlay

B	Construction Items	Unit	Unit Cost	Quantity	Cost
1	2.5-inch Mill for Overlay	SY	$ 3.00		$ -
2	Full-depth Pulverize for Overlay	SY	$ 3.00	5,900	$ 17,700.00
3	Curb & Gutter (Spot Repair)	LF	$ 45.00	1,320	
4	Manhole castings - Replace	EA	$ 3,000.00	-	
5	Base Patching - Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	590	
6	Fine Grade Roadway	STA	$ 750.00	22	$ 16,500.00
7	Asphalt 2.5-inch Overlay	Ton	$ 94.00	880	
7	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	1,408	$ 132,352.00
8	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 3,500.00
9	Pavement Striping	LF	$ 1.00	1	$ 2,200.00
10	Driveways	EA	$ 1,300.00	-	
11	Sidewalk	SF	$ 8.00	-	
12	Storm Sewer - Manhole/Inlet	EA	$ 3,400.00		
13	Storm Sewer Piping	LF	$ 90.00		
14	shouldering - grading	LF	$ 12.00	2,200	$ 26,400.00
	PROJECT SUBTOTAL IN 2024 DOLLARS				$ **198,652.00**
4%	**Construction Year Escalation (4% increment)**		Years	4	$ 33,742.74
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2028	$ **232,394.74**
15%	**Design / Engineering / Permits**				$ 29,797.80
25%	**Construction Contingency**				$ 58,098.69
	PROJECT TOTAL (including design, engineering, and permitting)				$ **320,291.23**

Notes		Sand Rock Rd (2028?)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Hwy 151 to before old plant. Under pass to WWTP. Overlay. PASER 5. Assumed no curb and gutter (2' shoulder on each side) and pavement marking for entire limits Overlay: 2.5-inch mill & overlay
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		
Spot repair curb estimated at 30% of total reconstruct	30%	Pulverize & Overlay
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	Add shoulder COST
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item				Long View (2028)		
							No. of curb returns @ intersections
	Roadway Width	LF			58		
	Roadway Length	LF			115		4
	Existing Sidewalk	LF			-		
	New Sidewalk (to be added)	LF			-		-

Full Reconstruct

A	Construction Items	Unit	Unit Cost		Quantity		Cost
1	Excavation - 16" - 1-ft back of curb	CY	$	27.00	300	$	8,100.00
2	Excavation - 22" - 1-ft back of curb	CY	$	27.00	500		
3	Curb & Gutter - full replacement	LF	$	35.00	290	$	10,150.00
4	Curb & Gutter - spot repair	LF	$	45.00	87		
5	Manhole castings - Replace	EA	$	3,000.00	1	$	3,000.00
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$	65.00	70	$	4,550.00
7	Fine Grade Roadway	STA	$	750.00	1.15	$	862.50
8	Asphalt 4-inch (surface and binder)	Ton	$	94.00	178	$	16,732.00
9	Base Course - 12-inches	Ton	$	13.50	600	$	8,100.00
10	Base Course - 18-inches	Ton	$	13.50	800		
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies		1	$	3,000.00
12	Pavement Striping	LF	$	2.00	1	$	230.00
13	Driveways	EA	$	1,300.00	1	$	1,300.00
14	Sidewalk	SF	$	8.00	-		
15	Stormwater	LS	Varies		-		
16	Sanitary Sewer	LS	Varies		-		
17	Water Main	LS	Varies				
	PROJECT SUBTOTAL IN 2024 DOLLARS					**$**	**56,024.50**
4%	**Construction Year Escalation (4% increment)**		Years		4	$	9,516.24
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year		2028	**$**	**65,540.74**
15%	**Design / Engineering / Permits**					$	8,403.68
25%	**Construction Contingency**					$	16,385.19
	PROJECT TOTAL (including design, engineering, and permitting)					**$**	**90,329.60**

Overlay

B	Construction Items				Quantity		Cost
1	2.5-inch Mill for Overlay	SY	$	3.00	740	$	2,220.00
2	Full-depth Pulverize for Overlay	SY	$	3.00	740		
3	Curb & Gutter (Spot Repair)	LF	$	45.00	87	$	3,915.00
4	Manhole castings - Replace	EA	$	3,000.00	1	$	3,000.00
5	Base Patching - Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$	65.00	70		
6	Fine Grade Roadway	STA	$	750.00	1		
7	Asphalt 2.5-inch Overlay	Ton	$	94.00	111	$	10,434.00
7	Asphalt 4-inch (surface and binder)	Ton	$	94.00	178		
8	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies		1	$	1,400.00
9	Pavement Striping	LF	$	1.00	1	$	115.00
10	Driveways	EA	$	1,300.00	1	$	1,300.00
11	Sidewalk	SF	$	8.00	460	$	3,680.00
12	Storm Sewer - Manhole/Inlet	EA	$	3,400.00	-		
13	Storm Sewer Piping	LF	$	90.00			
14	shouldering - grading	LF	$	12.00			
	PROJECT SUBTOTAL IN 2024 DOLLARS					**$**	**26,064.00**
4%	**Construction Year Escalation (4% increment)**		Years		4	$	4,427.19
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year		2028	**$**	**30,491.19**
15%	**Design / Engineering / Permits**					$	3,909.60
25%	**Construction Contingency**					$	7,622.80
	PROJECT TOTAL (including design, engineering, and permitting)					**$**	**42,023.59**

Notes		Long View (2028)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Nesheim to Ravine. Verify at Triangle. PASER 5. Long View: Average width of entire run Reconstruct: 4-inch asphalt over 12-inch base, Remove & Replace curb & gutter, New sidewalk per circulation plan, Spot repair existing sidewalk @ 25% replacement. Overlay: 2.5-inch mill & overlay, Spot repair curb & gutter @ 30% replacement
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item				Riphahn Ct (20XX)
					No. of curb returns @ intersections
	Roadway Width	LF		31	
	Roadway Length	LF		220	2
	Existing Sidewalk	LF		-	
	New Sidewalk (to be added)	LF		-	-

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity	Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	300	$ 8,100.00
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	500	
3	Curb & Gutter - full replacement	LF	$ 35.00	470	$ 16,450.00
4	Curb & Gutter - spot repair	LF	$ 45.00	141	
5	Manhole castings - Replace	EA	$ 3,000.00	-	$ -
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	80	$ 5,200.00
7	Fine Grade Roadway	STA	$ 750.00	2	$ 1,650.00
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	182	$ 17,108.00
9	Base Course - 12-inches	Ton	$ 13.50	600	$ 8,100.00
10	Base Course - 18-inches	Ton	$ 13.50	900	
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$ 3,400.00
12	Pavement Striping	LF	$ 2.00	1	$ 440.00
13	Driveways	EA	$ 1,300.00	3	$ 3,900.00
14	Sidewalk	SF	$ 8.00	-	
15	Stormwater	LS	Varies		
16	Sanitary Sewer	LS	Varies		
17	Water Main	LS	Varies	1	$ 57,520.00
	PROJECT SUBTOTAL IN 2024 DOLLARS				**$ 64,348.00**
4%	**Construction Year Escalation (4% increment)**		Years	5	$ 13,941.18
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2029	**$ 78,289.18**
15%	**Design / Engineering / Permits**				$ 9,652.20
25%	**Construction Contingency**				$ 19,572.30
	PROJECT TOTAL (including design, engineering, and permitting)				**$ 107,513.68**

Notes		Riphahn Ct (20XX)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Cul-de-sac, 211'. Sealcoat to buy time? Pulverize. Water? PASER 5. Riphahn Ct: Width taken as average width within limits (i.e. gets wider in cul-de-sac) Pulverize: 4-inch (surface and binder), Spot repair cur & gutter @ 30% replacement REV1: New water main and full reconstruct.
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

SMITHGROUP

Date	**10/3/2024**
Project	**5 year plan**
Client	**Village of Mount Horeb**
Project #	**50581.000**

Opinion of Probable Construction Cost

	Item				Nordic View (20XX)	
						No. of curb returns @ intersections
	Roadway Width	LF			42	
	Roadway Length	LF			176	1
	Existing Sidewalk	LF			-	
	New Sidewalk (to be added)	LF			-	-

Full Reconstruct

A	Construction Items	Unit	Unit Cost	Quantity		Cost
1	Excavation - 16" - 1-ft back of curb	CY	$ 27.00	400	$	10,800.00
2	Excavation - 22" - 1-ft back of curb	CY	$ 27.00	500		
3	Curb & Gutter - full replacement	LF	$ 35.00	367	$	12,845.00
4	Curb & Gutter - spot repair	LF	$ 45.00	110		
5	Manhole castings - Replace	EA	$ 3,000.00	2	$	6,000.00
6	Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	80	$	5,200.00
7	Fine Grade Roadway	STA	$ 750.00	2	$	1,320.00
8	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	197	$	18,518.00
9	Base Course - 12-inches	Ton	$ 13.50	640	$	8,640.00
10	Base Course - 18-inches	Ton	$ 13.50	960		
11	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$	3,800.00
12	Pavement Striping	LF	$ 2.00	-	$	-
13	Driveways	EA	$ 1,300.00	4	$	5,200.00
14	Sidewalk	SF	$ 8.00	-		
15	Stormwater	LS	Varies			
16	Sanitary Sewer	LS	Varies			
17	Water Main	LS	Varies			
	PROJECT SUBTOTAL IN 2024 DOLLARS				$	72,323.00
4%	**Construction Year Escalation (4% increment)**		Years	5	$	15,668.99
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2029	$	87,991.99
15%	**Design / Engineering / Permits**				$	10,848.45
25%	**Construction Contingency**				$	21,998.00
	PROJECT TOTAL (including design, engineering, and permitting)				$	120,838.43

Overlay

B	Construction Items	Unit	Unit Cost	Quantity		Cost
1	2.5-inch Mill for Overlay	SY	$ 3.00	820		
2	Full-depth Pulverize for Overlay	SY	$ 3.00	820	$	2,460.00
3	Curb & Gutter (Spot Repair)	LF	$ 45.00	110	$	4,954.50
4	Manhole castings - Replace	EA	$ 3,000.00	2		
5	Base Patching - Excavate Below Subgrade (Undercut) & Place Stone Fill	CY	$ 65.00	80	$	5,200.00
6	Fine Grade Roadway	STA	$ 750.00	2	$	1,320.00
7	Asphalt 2.5-inch Overlay	Ton	$ 94.00	172		
7	Asphalt 4-inch (surface and binder)	Ton	$ 94.00	197	$	18,518.00
8	Staking, Erosion Control, Traffic Control, Restoration	LS	Varies	1	$	1,100.00
9	Pavement Striping	LF	$ 1.00	-		
10	Driveways	EA	$ 1,300.00	4	$	5,200.00
11	Sidewalk	SF	$ 8.00	176		
12	Storm Sewer - Manhole/Inlet	EA	$ 3,400.00			
13	Storm Sewer Piping	LF	$ 90.00	-		
14	shouldering - grading	LF	$ 12.00			
	PROJECT SUBTOTAL IN 2024 DOLLARS				**$**	**38,752.50**
4%	**Construction Year Escalation (4% increment)**		Years	5	$	8,395.84
	PROJECT SUBTOTAL IN CONSTRUCTION YEAR DOLLARS		Construction Year	2029	**$**	**47,148.34**
15%	**Design / Engineering / Permits**				$	5,812.88
25%	**Construction Contingency**				$	11,787.09
	PROJECT TOTAL (including design, engineering, and permitting)				**$**	**64,748.30**

Notes		Nordic View (20XX)
Assumed 15' added extra curb and gutter for each radius in intersection (i.e. standard intersection has 4 radii)		Notes from Village: Cul-de-sac, 212'. Seal coat to buy time? Pulverize. Water? PASER 5. Pulverize: 4-inch (surface and binder), Spot repair cur & gutter @ 30% replacement
Unit cost per driveway estimated at $1,300/EA based on there being a high amount of commercial drives - increase of $200 from 2022 CIP estimate		
Sidewalk unit cost based on 2024 Bid SF of 6" concrete cost		
Spot repair curb estimated at 30% of total reconstruct	30%	
Construction Layout & Staking, Erosion Control, Traffic Control, and Restoration cost from 2024 Rule Bid (5.5% of total)	5.5%	
Spot repair existing sidewalk at 25% of total existing	25%	
Excavate below subgrade Unit Cost includes geotextile fabric from 24-100 bid		

Village of Mount Horeb
Five-Year Street Construction Plan
2025-2029

Includes 4% escalation based on 2024 dollars
Includes design and engineering
Includes 25% contingency

2025	$ OVERLAY	$ FULL RECON.	$ TOT. VILLAGE	REMARKS
Blue Mounds St. - Main to Justin		1,678,785	1,583,785	2680' new sidewalk @$106,880. Wastewater: $95,000
W. Garfield St. - Blue Mounds-west	325,953		325,953	
			1,909,738	
2026	**$ OVERLAY**	**$ FULL RECON.**	**$ TOT. VILLAGE**	**REMARKS**
Henry St.		918,801	687,141	1015' new sidewalk @$33,840. Water main upgrades.
S. First St. - Lincoln to Carver		1,943,924	1,381,114	815' new sidewalk @$48,930. Water main upgrades.
		2,862,725	**2,068,255**	
2027	**$ OVERLAY**	**$ FULL RECON.**	**$ TOT. VILLAGE**	**REMARKS**
S. Second St. - Lincoln to Carver		1,577,460	1,143,640	Water main upgrades.
N. Brookwood Dr.-Fox Run to Perimeter		553,670	553,670	
DOT project: S. 8th St. parking lanes	75,000		75,000	
	75,000	**2,131,130**	**1,772,310**	
2028	**$ OVERLAY**	**$ FULL RECON.**	**$ TOT. VILLAGE**	**REMARKS**
Sand Rock Rd.	320,291		320,291	
Long View - 115' Nesheim to Ravine	42,024		42,024	
	362,315		**362,315**	
2029	**$ OVERLAY**	**$ FULL RECON.**	**$ TOT. VILLAGE**	**REMARKS**
Riphahn Ct. - 220' including cul de sac		107,514	49,994	Water main upgrades.
Nordic View - 176' including cul de sac	64,748		64,748	
	64,748	**107,514**	**114,742**	

DOT: Main St./Hwy. 78 - 2031 or 2032

VILLAGE OF
MOUNT HOREB

AGENDA ITEM REPORT

MEETING DATE	PREPARED BY
October 28, 2024	

AGENDA ITEM # 3.b

Consideration of Committee meeting schedule

BACKGROUND

RECOMMENDATION

ATTACHMENTS

None

VILLAGE OF
MOUNT HOREB

AGENDA ITEM REPORT

MEETING DATE	PREPARED BY
October 28, 2024	Jeff Gorman, Public Services Director

AGENDA ITEM # 3.c

Update on Lake Street stormwater project

BACKGROUND

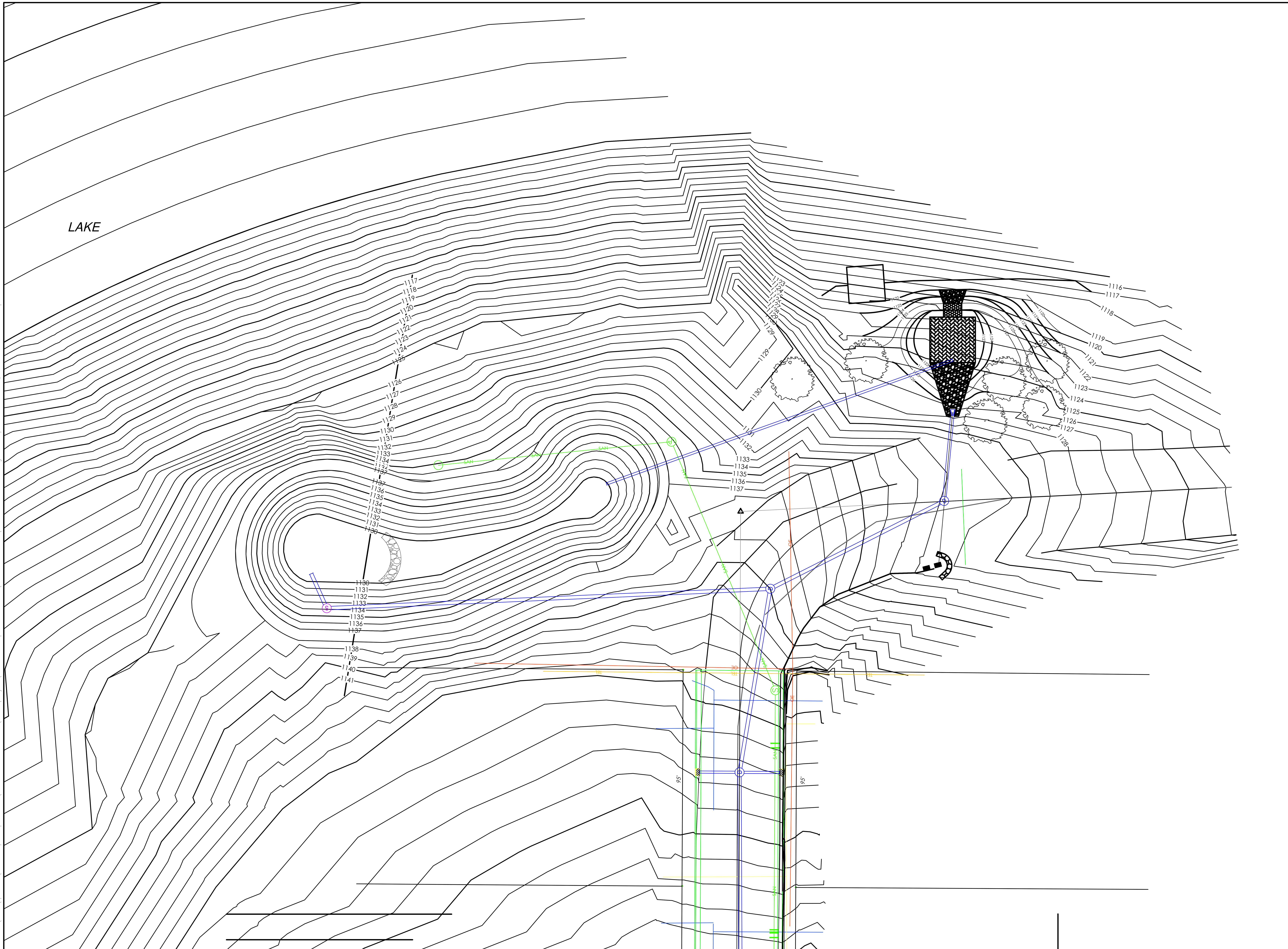
Dane County Highway Dept. is planning to reconstruct Hwy. JG north of the Village limits in 2025. They have been working with the Village and Dane Co Parks to address stormwater drainage from Lake St to Stewart Park. There is currently a small sediment basin at the top of the hill that collects stormwater off Lake Street but the county is concerned that the discharge from that basin is causing erosion issues and will create challenges with the new highway. Our Village engineer has proposed constructing a larger primary basin at the end of Lake St. that stormwater would flow into first before discharging into the current basin. Discharge from that smaller basin would then be redirected further to the east to reduce erosion issues.
The Village budgeted $50,000 in 2024 to construct the basin but it doesn't look like that will happen this year. We will have to move those funds to 2025. We will receive a 50% cost sharing grant from Dane Co for the project.

RECOMMENDATION

ATTACHMENTS

1. Lake St stormwater APPENDIX A

APPENDIX A



STEWART LAKE PARK STORMWATER

LAKE STREET
MT. HOREB, WI

Owner:

VILLAGE OF MT. HOREB

SMITHGROUP

201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI 48104
734.662.4457
www.smithgroup.com

ISSUED FOR	REV	DATE

SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

KEY PLAN

DRAWING TITLE

SCALE

PROJECT NUMBER

DRAWING NUMBER

FILE: C:\Users\spelletier\SmithGroup Companies Inc\PRJ - 50581 - General\ADMIN\ProjInfo\Stewart Lake park Stormwater\2024-0620 Memo\C-GRAD- MED POND.dwg USER: spelletier DATE: Jun, 27 2024 TIME: 02:45 pm

VILLAGE OF
MOUNT HOREB

AGENDA ITEM REPORT

MEETING DATE	PREPARED BY
October 28, 2024	

AGENDA ITEM # 3.d

Public Services Director's Report

BACKGROUND

RECOMMENDATION

ATTACHMENTS

1. pw comm report 10.28.24

Village of Mount Horeb
Public Services Department

138 E Main St
Mount Horeb, WI 53572
Phone (608) 437-3351/Fax (608) 437-3190
www.mounthorebwi.info

Public Works Committee
October 28, 2024
Public Services Director's Report

- Bulk trash and electronics recycling events. September 21, 2024.
  - Trash: 103 vehicles. $1516 revenue. 73 vehicles in fall of 2023
    - Pellitteri cost: $2460
  - 13,483 lbs. of electronics recycled
    - Resource Solutions cost: $500

- 2024 street maintenance: $307,123/$363,000
  - Springdale St./Ridgeview Rd.
    - Crack fill: Crack Filling Service, $42,000
    - Village crew asphalt patching, $518
    - Chip sealing: Scott Construction, $109,711 (double seal roundabouts)
    - Pavement striping/painting: Brickline, $84,525
  - Additional crack filling, Crack Filling Service, $56,250
    - Nordic Trail
    - Cox Dr.
    - Lillehammer Ln
    - Three Wood Dr.
    - St. Olav Ave.
    - Little Fox Tr.
    - Rachel St.
    - N. Fourth St.
  - Library parking lot and driveway
    - Crack fill, sealcoat and restripe, Fahrner Asphalt Sealers, $14,119

- Presented capital budget requests to Finance and Personnel Committee on October 2.
  - F&P approved requests to the Village Board 11/6/24

- Snow Removal 2024-2025
  - 410 tons of salt on hand. Salt up 4% to $93.53/ton. 6oo tons reserved for this winter.
  - Dependable Landscape contract. Last year of two-year contract.
    - Alleys, parking lots and sidewalks

- Tasks completed following downtown parking study
  - Angled parking on S. First St.
  - Installed new parking lot signs and directionals
  - Installed new compact cars only signs

- Provided set-up and tear-down for the following events:
  - Art Fair
  - Ironman
  - Fall Village Market
  - Homecoming parade
  - Trunk or Treat / Creepy Crawl

- Kountry Kutter mowed 10 stormwater detention basins in August
  - $2560. Reimbursed $210 from school district

- Started leaf pickup in October.   Last brush and yard waste pickup 11/25/24.

- Josh Hyndman resignation. Helping out Water Dept. until position gets filled.