

Pavement Management System Village Board Presentation

March 10, 2025

Presented By: Christopher Ott, P.E., CPII



Agenda

1. Recommended 5-Year Plan
2. Budget Analysis
3. Summary
4. Questions

Recommended 5-Year Plan

- Plan Considerations
 - Rehabilitation Method
 - Analyzed different strategies and associated costs
 - Coordinate with Underground Utility Projects
 - Identify Possible Grant Projects
 - Project Locations
 - Geographically Grouped
 - Reduce Mobilization for Contractor
 - Lowers Unit Prices
 - Yearly Pavement Management Update
 - Review Funding
 - Review Unit Prices
 - Get Board Approval for new programs



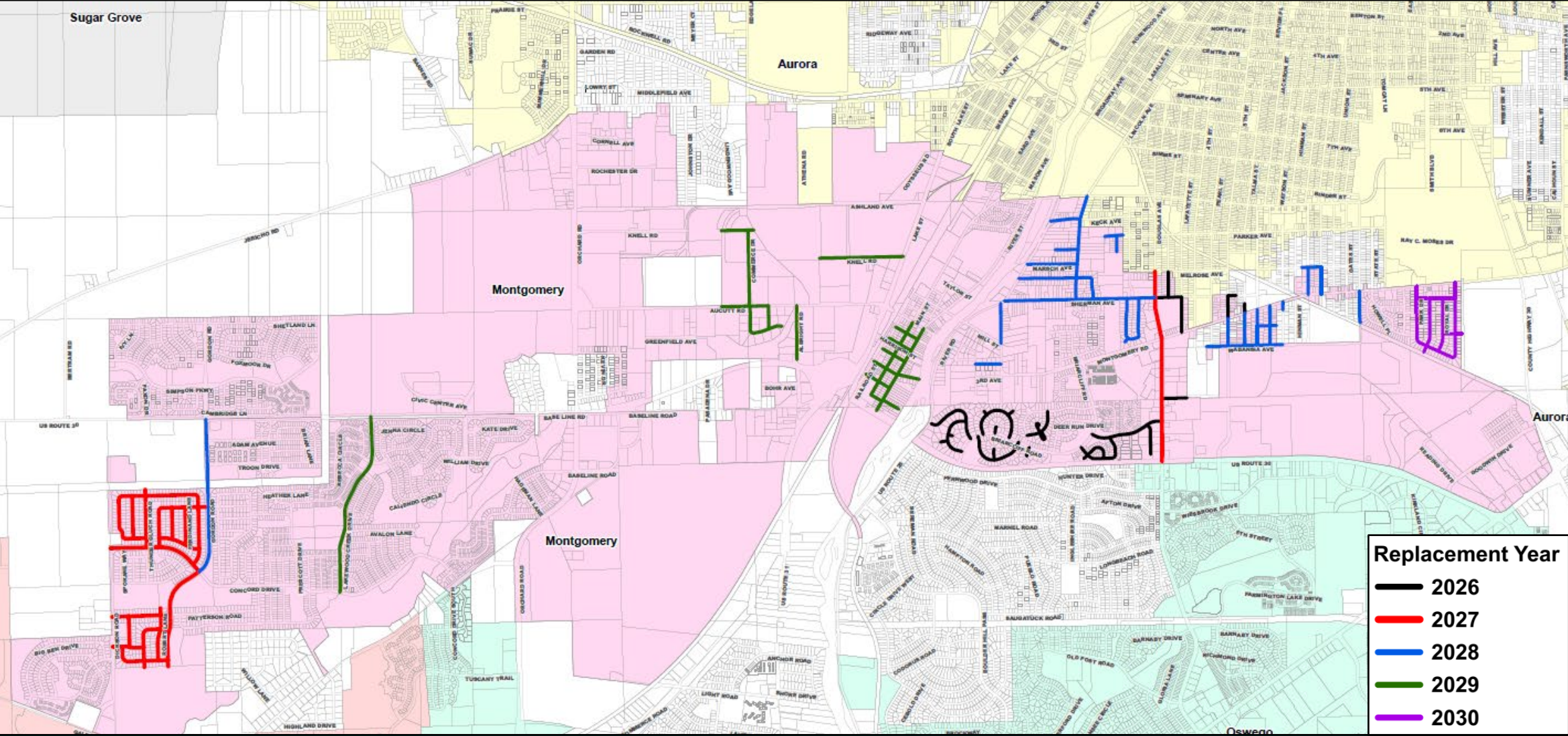
Recommended 5-Year Plan (2026-2030)

5-Year Roadway Rehabilitation Plan Summary
Village of Montgomery, Kane and Kendall County, IL
March 2025

SUMMARY REHABILITATION LIST							
YEAR	LENGTH (MILES)	AREA (SY)	MFT FUNDS	INFRASTRUCTURE ROADWAY FUNDS	FEDERAL FUNDS	CITY OF AURORA FUNDS	TOTAL COST
2026	3.66	64,174	\$ -	\$ 2,075,917.00	\$ -	\$ -	\$ 2,075,917.00
2027	5.84	116,240	\$ 2,000,000.00	\$ 1,343,584.00	\$ 750,000.00	\$ 171,116.00	\$ 4,264,700.00
2028	5.90	93,400	\$ -	\$ 2,334,119.95	\$ 745,725.00	\$ -	\$ 3,079,844.95
2029	4.37	79,960	\$ 1,800,000.00	\$ 589,113.30	\$ 725,475.00	\$ -	\$ 3,114,588.30
2030	1.65	23,700	\$ -	\$ 3,097,050.00	\$ -	\$ -	\$ 3,097,050.00
TOTALS;	21.42	377,474	\$ 3,800,000.00	\$ 9,439,784.25	\$ 2,221,200.00	\$ 171,116.00	\$ 15,632,100.25



Recommended 5-Year Plan (2026-2030)



Recommended 5-Year Plan - 2026

2026 (FY 2027) STREET REHABILITATION LIST					
STREET	FROM	TO	LENGTH	AREA (SY)	COST
LOCAL STREETS					
AUTUMN RIDGE DRIVE	TIMBER LANE DRIVE	TIMBER LANE DRIVE	974	2,610	\$ 79,605
BARBARA LANE	DOUGLAS ROAD	EOP	661	1,610	\$ 41,860
FAIRWIND COURT	LAKESIDE DRIVE	EOP	133	1,380	\$ 44,160
FAIRWIND DRIVE	LAKESIDE DRIVE	LAKESIDE DRIVE	707	1,970	\$ 60,085
FIFTH STREET	MONTGOMERY ROAD	SHERMAN AVENUE	592	1,495	\$ 35,880
FOX MEAD CIRCLE	BRIARCLIFF ROAD	RIVER BEND ROAD	1,334	3,490	\$ 106,445
FOX MEAD COURT	FOX MEAD CIRCLE	EOP	120	830	\$ 26,560
HIGH POINT COURT	WINTER HILL CIRCLE	EOP	178	980	\$ 31,360
LAFAYETTE STREET	MONTGOMERY ROAD	SHERMAN AVENUE	922	2,260	\$ 54,240
LAKESIDE DRIVE	BRIARCLIFF ROAD	SEASONS RIDGE BOULEVARD	1,547	5,070	\$ 154,635
LEBANON STREET	SHERMAN AVENUE	MELROSE AVENUE	668	1,635	\$ 39,240
MORNING GLORY COURT	AUTUMN RIDGE DRIVE	EOP	465	1,300	\$ 41,600
RED FOX RUN	BRIARCLIFF ROAD	BRIARCLIFF ROAD	1,697	5,630	\$ 171,715
RIDGEMONT COURT	RED FOX RUN	EOP	293	1,440	\$ 46,080
RIVER BEND ROAD	RIVER ROAD	BRIARCLIFF ROAD	1,722	6,200	\$ 189,100
SEASONS RIDGE BOULEVARD	BRIARCLIFF ROAD	DOUGLAS ROAD	1,929	8,894	\$ 284,592
SHERMAN AVENUE	LAFAYETTE STREET	DOUGLAS AVENUE	687	1,765	\$ 42,360
SHERMAN AVENUE	FIFTH STREET	TALMA STREET	436	1,545	\$ 37,080
SPRINGHAVEN COURT	BRIARCLIFF ROAD	EOP	260	1,020	\$ 31,620
SUNRISE COURT	AUTUMN RIDGE DRIVE	EOP	394	1,110	\$ 35,520
TALMA STREET	MONTGOMERY ROAD	SHERMAN AVENUE	473	1,080	\$ 25,920
TURNBRIDGE COURT	BRIARCLIFF ROAD	EOP	183	1,010	\$ 32,320
VILLAGE CENTER PARKWAY	SEASONS RIDGE BOULEVARD	EOP	799	2,810	\$ 73,060
WINMONT COURT	FOX MEAD CIRCLE	EOP	191	1,040	\$ 33,280
WINTER HILL CIRCLE	BRIARCLIFF ROAD	BRIARCLIFF ROAD	1,814	5,000	\$ 152,500
WINTER HILL COURT	WINTER HILL CIRCLE	EOP	125	1,000	\$ 32,000
RECLAMITE/CRACKSEAL/PATCHING					\$ 173,100
LOCAL STREETS SUBTOTAL:			3.66	64,174	\$ 2,075,917



Recommended 5-Year Plan - 2027

2027 (FY 2028) STREET REHABILITATION LIST					
STREET	FROM	TO	LENGTH	AREA (SY)	COST
LOCAL STREETS					
ARTESIAN WAY	MILLRACE LANE	MILLRACE LANE	1,103	3,130	\$ 96,800
CONCORD DRIVE	DICKSON ROAD	GORDON ROAD	2,445	9,980	\$ 289,500
FERDINAND LANE	RILEY ROAD	SECRETARIAT LANE	967	2,680	\$ 82,900
GORDON ROAD	CONCORD DRIVE	EOP	2,817	16,610	\$ 481,700
HUNTINGTON LANE	DICKSON ROAD	ROBERT LANE	1,262	4,080	\$ 103,000
JUANITA LANE	DICKSON ROAD	THOMAS LANE	802	2,710	\$ 68,400
JULIE LANE	JUANITA LANE	GORDON ROAD	1,505	4,880	\$ 123,200
MAJESTIC PRINCE LANE	RILEY ROAD	SECRETARIAT LANE	819	2,300	\$ 71,100
MILLRACE LANE	THUNDER GULCH ROAD	WHIRLAWAY LANE	2,365	7,510	\$ 232,100
MONARCHOS LANE	CONCORD DRIVE	SECRETARIAT LANE	1,046	3,370	\$ 104,200
PATRON LANE	CONCORD DRIVE	SECRETARIAT LANE	1,538	4,800	\$ 148,400
RILEY ROAD	MONARCHOS LANE	PATRON LANE	1,094	3,010	\$ 93,100
ROBERT LANE	JULIE LANE	EOP	1,363	4,540	\$ 114,600
SECRETARIAT LANE	MONARCHOS LANE	GORDON ROAD	1,226	3,690	\$ 114,100
THOMAS LANE	GORDON ROAD	EOP	1,592	4,370	\$ 110,300
THUNDER GULCH ROAD	EOP	CONCORD DRIVE	1,501	4,240	\$ 131,100
WESTGATE LANE	HUNTINGTON LANE	JUANITA LANE	798	2,370	\$ 59,900
WHIRLAWAY LANE	MILLRACE LANE	SECRETARIAT LANE	1,649	5,230	\$ 161,700
RECLAMITE/CRACKSEAL/PATCHING					\$ 113,600
LOCAL STREETS SUBTOTAL:			4.90	89,500	\$ 2,699,700
OTHER PROJECTS					
DOUGLAS ROAD	US ROUTE 30	MELROSE AVENUE	4,937	26,740	\$ 1,565,000
OTHER PROJECTS SUBTOTAL:			0.94	26,740	\$ 1,565,000



Recommended 5-Year Plan - 2028

2028 (FY 2029) STREET REHABILITATION LIST					
STREET	FROM	TO	LENGTH	AREA (SY)	COST
LOCAL STREETS					
BANGS STREET	MONTGOMERY ROAD	MELROSE AVENUE	700	1,780	\$ 41,194
BROADWAY AVENUE	MILL STREET	SE RIVER ROAD	1,170	3,370	\$ 77,991
FELLEMORE LANE	2ND AVENUE	BROADWAY AVENUE	673	1,570	\$ 36,334
FIFTH STREET	WABANSIA AVENUE	FIFTH STREET	714	1,540	\$ 35,640
HARMONY DRIVE	SHERMAN AVENUE	WELLMAN AVENUE	1,482	3,670	\$ 102,710
HARTWAY COURT	LINCOLN AVENUE	SHERMAN AVENUE	916	3,390	\$ 94,874
HARTWAY DRIVE	IL ROUTE 25	LINCOLN AVENUE	2,438	4,780	\$ 133,775
HENRY COURT	S LINCOLN AVENUE	EOP	598	2,040	\$ 60,386
HINCKLEY STREET	WABANSIA AVENUE	MONTGOMERY ROAD	1,020	2,600	\$ 60,171
JACKSON STREET	WABANSIA AVENUE	MONTGOMERY ROAD	928	2,200	\$ 50,914
KECK AVENUE	EAST RIVER ROAD	S LINCOLN AVENUE	773	1,810	\$ 46,759
LINCOLN AVENUE	ASHLAND AVENUE	SHERMAN AVENUE	2,721	7,490	\$ 193,494
MARSCH AVENUE	EAST RIVER ROAD	S LINCOLN AVENUE	1,302	3,670	\$ 102,710
MELROSE AVENUE	VILLAGE LIMITS	BANGS STREET	498	1,530	\$ 35,408
OAKLAND STREET	JACKSON STREET	VILLAGE LIMITS	500	1,090	\$ 25,225
PARKER AVENUE	VILLAGE LIMITS	EOP	484	1,140	\$ 26,383
PARKER COURT	PARKER AVENUE	EOP	428	1,330	\$ 30,780
PLEASANT PLACE	MONTGOMERY ROAD	EOP	822	1,580	\$ 36,565
SHERMAN AVENUE	SE RIVER ROAD	DOUGLAS ROAD	3,922	9,910	\$ 256,011
SPENCER STREET	MONTGOMERY ROAD	MELROSE AVENUE	707	2,030	\$ 46,979
TALMA STREET	WABANSIA AVENUE	MONTGOMERY ROAD	837	1,920	\$ 44,434
WABANSIA AVENUE	VILLAGE LIMITS	WATSON STREET	2,287	3,750	\$ 187,500
WATSON STREET	MONTGOMERY ROAD	VILLAGE LIMITS	220	610	\$ 14,117
WELLMAN AVENUE	HARMONY DRIVE	SHERMAN AVENUE	999	3,650	\$ 94,293
RECLAMITE/CRACKSEAL/PATCH					\$ 178,500
LOCAL STREETS SUBTOTAL:			5.14	68,450	\$ 2,013,145
OTHER PROJECTS					
GORDON ROAD	CONCORD DRIVE	US ROUTE 30	4,021	24,950	\$ 1,066,700
OTHER PROJECTS SUBTOTAL:			0.76	24,950	\$ 1,066,700



Recommended 5-Year Plan - 2029

2029 (FY 2030) STREET REHABILITATION LIST					
STREET	FROM	TO	LENGTH	AREA (SY)	COST
LOCAL STREETS					
ALBRIGHT ROAD	AUCUTT ROAD	DEAD END	1,408	5,270	\$ 180,805
AUCUTT ROAD	COMED	INDUSTRIAL DRIVE	1,311	6,050	\$ 163,330
CASE STREET	S MAIN STREET	EOP	492	2,380	\$ 81,654
CLAY STREET	S RAILROAD STREET	S RIVER STREET	659	1,880	\$ 54,983
COMMERCE DRIVE	AUCUTT ROAD	EOP	1,985	6,650	\$ 194,489
COMMERCE DRIVE	AUCUTT ROAD	CRESCENT LAKE DRIVE	670	2,870	\$ 77,481
CRESCENT LAKE DRIVE	COMMERCE DRIVE	EOP	846	3,500	\$ 94,489
HARRISON STREET	S RAILROAD STREET	S RIVER STREET	665	1,880	\$ 54,983
INDUSTRIAL DRIVE	AUCUTT ROAD	CRESCENT LAKE DRIVE	599	2,240	\$ 60,473
JEFFERSON STREET	S RAILROAD STREET	EOP	1,291	3,360	\$ 115,276
KNELL ROAD	LAKE STREET	EOP	2,186	8,340	\$ 243,916
S MAIN STREET	WEBSTER STREET	CASE STREET	2,176	6,700	\$ 229,866
S RIVER STREET	WEBSTER STREET	EOP	2,473	10,660	\$ 365,727
SCOTT STREET	S RAILROAD STREET	S RIVER STREET	672	1,930	\$ 66,215
WATKINS AVENUE	RAILROAD	S RIVER STREET	961	3,460	\$ 118,707
RECLAMITE/CRACKSEAL/PATCHING					\$ 155,300
LOCAL STREETS SUBTOTAL:			3.48	61,900	\$ 2,076,888
OTHER PROJECTS					
LAKEWOOD CREEK DRIVE	US ROUTE 30	DRIVE	4,705	18,060	\$ 1,037,700
OTHER PROJECTS SUBTOTAL:			0.89	18,060	\$ 1,037,700



Recommended 5-Year Plan - 2030

2030 (FY 2031) STREET REHABILITATION LIST					
STREET	FROM	TO	LENGTH	AREA (SY)	COST
LOCAL STREETS					
AMBER DRIVE	KIMBERLY LANE	PARK AVENUE	1,433	3,405	\$ 429,030
CROWN DRIVE	MONTGOMERY ROAD	PARK AVENUE	1,926	5,370	\$ 676,620
DAWN AVENUE	ROYAL DRIVE	EOP	481	1,200	\$ 151,200
KIMBERLY LANE	PARK AVENUE	CROWN DRIVE	993	2,750	\$ 346,500
PARK AVENUE	MONTGOMERY ROAD	CROWN DRIVE	2,468	7,195	\$ 906,600
ROYAL DRIVE	KIMBERLY LANE	PARK AVENUE	1,394	3,780	\$ 476,300
RECLAMITE/CRACKSEAL/PATCH					\$ 110,800
LOCAL STREETS SUBTOTAL:			1.65	23,700	\$ 3,097,050



Budget Analysis

- Budget Approximately \$2.648M Annually Over the Next 5 Years
 - Preventative Maintenance
 - Milling and Resurfacing
 - Reconstruction
- Recommended 5-Year Plan Also Includes Grant Projects:
 - Douglas Road (2027)
 - Gordon Road (2028)
 - Lakewood Creek Boulevard (2029)



Budget Analysis

**PAVEMENT MANAGEMENT SYSTEM
VILLAGE OF MONTGOMERY, KANE & KENDALL COUNTIES, IL
JANUARY 2025**

Scenario No.	Scenario Description	Cost (millions)										
		Year 1	Year 2	Year 3	Year 4	Year 5	Total Spent	Average Spent	Current Rank (2025)	Future Rank (2030)	Miles Per Year	Resurfacing Cycle
1	Do No Improvements	0.000	0.000	0.000	0.000	0.000	0.000	0.000	86	79	0.00	0
2	Current CIP Budget	2.600	3.300	2.600	3.200	2.600	14.300	2.860	86	91	5.72	13.6
3	Adjusted CIP Budget w/ contribution to water fund	2.100	2.700	2.000	2.500	2.000	11.300	2.260	86	88	4.52	17.3
4	Maintain Current Rank of 86	1.500	1.500	1.500	1.500	1.500	7.500	1.500	86	86	3.00	26.0

IRP Recap (2021-2025)

- IRP Results
 - Annual average expenditure was \$3.256M
 - Total of 29.13 Miles of resurfacing or 5.83 Miles/Yr
 - Resulted in 37.3% of the Village's streets being resurfaced
 - Resurfaced every street that was in the original 5-Year Plan.
 - Village received Federal Funding for Concord Drive and Baseline Road Resurfacing.
 - Village Spent an Average of \$147,000/Yr on Preventative Maintenance.

\$3.256M
Avg.
Expenditure

29.13
Miles
Resurfaced

\$147K/YR
Prev.
Maintenance

37.3%
Village
Streets



Proposed IRP Plan (2026-2030)

- Proposed IRP
 - Annual average estimated expenditure \$2.648M
 - Total of 21.42 Miles of proposed resurfacing or 4.28 Miles/Yr
 - Results in 26.5% of the Village's streets being resurfaced
 - Village received federal funding for
 - Douglas Road (2027)
 - Gordon Road (2028)
 - Lakewood Creek Boulevard (2029)
 - Estimated Average of \$145,500/Yr on Preventative Maintenance.

\$2.648M
Avg.
Expenditure

21.42
Miles
Resurfaced

\$145K/YR
Prev.
Maintenance

27.4%
Village
Streets



Summary

- Overall Village Roadway Score 86
- Approximately 5 miles of roadway per year to maintain 15-year resurfacing cycle
- Focus on preventative maintenance
- Streets that are being resurfaced for a second time as part of the IRP likely to need less HMA and concrete, resulting in lower costs per mile
- Look for cost effective improvements on each roadway.





**Questions or
Comments?**

THANK YOU

We value your time and appreciate the opportunity to present. Please let our representatives know if you have any additional questions or wish to discuss a topic further.



CHRISTOPHER J. OTT, P.E., CPII

Project Manager
cott@eeiweb.com

