

Ottawa County Road Commission

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August 13, 2018

The Ottawa County Road Commission is pleased to present the attached draft of the 2019-2023 Strategic Improvement Plan (SIP) for review and comments.

On an annual basis, the Road Commission reviews the SIP to manage county road assets, identify improvement needs, and determine economical methods to finance improvement projects. The review of these factors helps determine the appropriate replacement, repair, and maintenance action/method to be incorporated into the SIP.

The SIP contains the following categories, with project lists and cost estimates of recommended projects based on the factors noted above:

- Primary Road Improvements
- Local (Paved) Road Improvements
- Preventative Maintenance
 - Cape Seal Surfacing
 - Seal Coat Surfacing

Also identified in the draft SIP are projects funded as a result of the countywide road millage. The focus for the countywide road millage revenues is on the primary road system, and prioritized based on pavement condition, traffic volumes, capacity and congestion issues, accident history, maintenance issues, and/or funding sources. All of the countywide millage revenues generated within a township will only be spent on road improvements within that township. However, there may be some carryover balances per year in order to properly fund a proposed project.

Part of the SIP process is to gather input and comments from local governmental officials and the general public. It is anticipated that the Road Commission Board will hold a public hearing for the 2019-2023 SIP on September 27th at the Road Commission administrative office. Written comments are encouraged and can be received any time prior to the public hearing.

If you have any questions or require additional information, please do not hesitate to contact our office at 616-842-5400.

Sincerely,



Brett A. Laughlin, P.E.
Managing Director

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2019-2023 Proposed Primary Road Improvements

<u>Project Key</u>	Allocated Funding	100% OCRC Funds
	Countywide Road Millage Funds	Anticipated Federal and State Funds
	Projects Funded from State General Fund Revenue	

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2019	32nd Avenue	Byron Road to Quincy Street Resurface + Various Left Turn	2.10	\$1,050,000	\$52,500	\$824,250	\$278,250
	Comstock Street	168th Avenue to Mercury Drive Resurface 30'	1.94	\$834,200	\$41,710	\$420,000	\$455,910
	*120th Avenue	Port Sheldon St to New Holland Resurface 24' + 3' Shoulder	2.00	\$940,000	\$47,000	\$300,000	\$687,000 (\$687,000)
	*Leonard Road	Linden Drive to 24th Avenue Resurface 24' + 3' Shoulder	1.50	\$705,000	\$35,250	\$416,382	\$323,868 (\$323,868)
	Cottonwood/Tyler	Baldwin Street to County Line Resurface 55', 44', & 24'	0.94	\$500,000	\$15,000	\$0	\$515,000
	Baldwin Street	Cottowood Drive west 1000' Resurface 55'	0.18	\$80,000	\$5,000	\$0	\$85,000
	Baldwin Street	28th Avenue to 20th Avenue Resurface 55'	1.00	\$450,000	\$13,500	\$0	\$463,500
	120th Avenue	James Street to Riley Street Resurface 55'	1.00	\$450,000	\$13,500	\$0	\$463,500
	36th Avenue	Port Sheldon St to Fillmore St Resurface 24' + 3' Shoulder	3.70	\$1,600,000	\$48,000	\$0	\$1,648,000 (\$1,648,000)
	Lakeshore Drive	Fillmore Street to Croswell Street Resurface 32'	1.60	\$720,000	\$21,600	\$0	\$741,600 (\$741,000)
	Lincoln Street	120th Avenue to 112th Avenue Resurface 24' + 3' Shoulder	1.00	\$470,000	\$14,100	\$0	\$484,100 (\$484,100)
	State Road	Fruitport Road to 144th Avenue Resurface 24' + 3' Shoulder	1.64	\$720,000	\$21,600	\$0	\$741,600 (\$741,600)
		ROW & Other					\$300,000
	Total		18.60	\$8,519,200	\$328,760	\$1,960,632	\$2,561,760

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2020	Lakewood Boulevard	120th Avenue to 112th Avenue Resurface 55'	1.00	\$500,000	\$25,000	\$350,000	\$175,000
	14th Ave/Port Sheldon	44th Street to Main Street Resurface 30'	2.38	\$1,059,100	\$52,955	\$600,000	\$512,055
	44th St/Port Sheldon	Chicago Drive to 8th Avenue Resurface 55' and 44'	1.69	\$845,000	\$42,250	\$400,000	\$487,250
	*Lakeshore Drive	Rosy Mound to Buchanan St Resurface 32'	2.70	\$1,201,500	\$50,000	\$340,000	\$911,500 (\$911,500)
	Adams Street	48th Avenue to 24th Avenue Resurface 24' + 3' Shoulder	3.00	\$1,455,000	\$72,750	\$729,427	\$798,323
	Port Sheldon Street	48th Avenue to 40th Avenue Reconstruct to 3 Lanes	1.00	\$1,600,000	\$100,000	\$0	\$1,700,000
	68th Avenue	M-45 to Warner Street Resurface 30'	1.50	\$667,500	\$20,025	\$0	\$687,525 (\$687,525)
	Quincy Street	120th Avenue to 96th Avenue Resurface 24' + 3' Shoulder	3.00	\$1,350,000	\$40,500	\$0	\$1,390,500 (\$1,390,500)
	Riley Street	24th Avenue to 8th Avenue Resurface 24' + 3' Shoulder	2.00	\$900,000	\$27,000	\$0	\$927,000 (\$927,000)
	Lakeshore Drive	Riley Street to Lakewood Blvd Resurface 24' + 3' Shoulder	1.50	\$705,000	\$21,150	\$0	\$726,150 (\$726,150)
		ROW & Other					\$300,000
		Total		19.77	\$10,283,100	\$451,630	\$2,419,427

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2019-2023 Proposed Primary Road Improvements

Project Key	Allocated Funding	100% OCRC Funds
	Countywide Road Millage Funds	Anticipated Federal and State Funds
	Projects Funded from State General Fund Revenue	

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2021	Croswell Street	Lakeshore Dr to US-31 Resurface 24' + 3' Shoulder	2.77	\$1,340,000	\$67,000	\$750,000	\$657,000 (\$657,000)
	Riley Street	136th Avenue to US-31 Resurface 55'	1.30	\$620,000	\$30,000	\$400,000	\$250,000
	48th Avenue	Bauer Road to Pierce Street Resurface 30'	2.50	\$1,112,500	\$55,625	\$600,000	\$568,125
	8th Avenue	Jackson Street to Port Sheldon Resurface 30' and 36'	2.30	\$920,000	\$46,000	\$600,000	\$366,000
	Mercury Drive	Comstock Street to City Limits Resurface 36'	1.71	\$725,000	\$36,250	\$500,000	\$261,250
	104th Avenue	M-45 to North Cedar Drive Resurface 24' +3' Shoulder	4.06	\$1,940,000	\$97,000	\$729,427	\$1,307,573
	Fillmore Street	US-31 to 96th Avenue Resurface 24' + 3' Shoulder	4.00	\$1,800,000	\$54,000	\$0	\$1,854,000
	Lakeshore Drive	Fillmore Street to Buchanan Street Resurface 32'	3.10	\$1,150,000	\$34,500	\$0	\$1,184,500
	72nd Avenue	New Holland to Van Buren Resurface 24' + 3' Shoulder	1.00	\$485,000	\$14,550	\$0	\$499,550 (\$499,550)
	112th Avenue	Leonard Road to Cleveland St Resurface 30'	0.79	\$351,000	\$10,530	\$0	\$361,530 (\$361,530)
	Cottonwood Drive	Bauer Road to Taylor Street Reconstruct to 3 Lanes	0.80	\$1,100,000	\$100,000	\$0	\$1,200,000 (\$1,200,000)
	Lakeshore Drive	168th Avenue to Lakewood Resurface 24' + 3' Shoulder	1.80	\$780,000	\$23,400	\$0	\$803,400 (\$803,400)
	Leonard Road	48th Avenue to Linden Drive Resurface 24' + 3' Shoulder	1.70	\$770,000	\$23,100	\$0	\$793,100 (\$793,100)
	ROW & Other						\$300,000
	Total		27.83	\$13,093,500	\$591,955	\$3,579,427	\$6,091,448

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2019-2023 Proposed Primary Road Improvements

Project Key	Allocated Funding	100% OCRC Funds
	Countywide Road Millage Funds	Anticipated Federal and State Funds
	Projects Funded from State General Fund Revenue	

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC	
2022	Fillmore St/Cottonv	48th Avenue to Tyler St Resurface 30'	4.40	\$1,958,000	\$97,900	\$950,000	\$1,105,900 (\$1,105,900)	
	Lakewood Blvd	Lakeshore Drive to 144th Ave Resurface 30'	3.50	\$1,200,000	\$60,000	\$750,000	\$510,000 (\$510,000)	
	*Hickory/Palm Dr	174th Avenue to County Line Resurface 24' + 3' Shoulder	1.95	\$980,000	\$30,000	\$450,000	\$560,000 (\$560,000)	
	Leonard Road	68th Avenue to 48th Avenue Resurface 24' + 3' Shoulder	2.66	\$1,047,600	\$52,380	\$729,427	\$370,553	
	Fillmore Street	120th Avenue to 96th Avenue Resurface 24' + 3' Shoulder	3.00	\$1,350,000	\$40,500	\$0	\$1,390,500	
	8th Avenue	Jackson Street to Port Sheldon Resurface 30' and 36'	2.30	\$920,000	\$27,600	\$0	\$947,600	
	120th Avenue	Port Sheldon St to Fillmore St Resurface 24' + 3' Shoulder	4.00	\$1,800,000	\$54,000	\$0	\$1,854,000	
	68th Avenue	Warner Street to the Grand River Resurface 30'	1.00	\$450,000	\$13,500	\$0	\$463,500	
	Lakewood Blvd	144th Avenue to Butternut Reconstruct to 3 Lanes/Resurf	1.20	\$1,300,000	\$100,000	\$0	\$1,400,000 (\$1,400,000)	
	112th/Osborn St	Lincoln Street to 104th Avenue Resurface 24' + 3' Shoulder	1.25	\$600,000	\$18,000	\$0	\$618,000 (\$618,000)	
	64th Avenue	Byron Road to Chicago Drive Resurface 24' (One Lift)	1.90	\$550,000	\$16,500	\$0	\$566,500 (\$566,500)	
		ROW & Other					\$300,000	
			Total	27.16	\$12,155,600	\$510,380	\$2,879,427	\$5,326,153

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC	
2023	18th Ave/20th Ave	Chicago Dr to Bauer Road Resurface 44' and 30'	2.30	\$975,000	\$29,250	\$700,000	\$304,250 (\$304,250)	
	Riley Street	32nd Avenue to 24th Avenue Resurface 24' + 3' Shoulder	1.00	\$475,000	\$23,750	\$300,000	\$198,750	
	Chicago Dr/8th St	Off of US-31 Resurface 44'	1.25	\$750,000	\$37,500	\$500,000	\$287,500	
	Mercury Drive	Comstock Street to 144th Ave Resurface 36'	1.70	\$765,000	\$38,250	\$450,000	\$353,250	
	Leonard Road	88th Avenue to 68th Avenue Resurface 24' + 3' Shoulder	3.20	\$1,280,000	\$64,000	\$729,427	\$614,573 (\$614,573)	
	Fillmore Street	96th Avenue to 48th Avenue Resurface 24' + 3' Shoulder	6.00	\$2,550,000	\$76,500	\$0	\$2,626,500	
	120th Avenue	Fillmore St to M-45 Resurface 24' + 3' Shoulder	2.00	\$950,000	\$28,500	\$0	\$978,500	
	Butternut Drive	New Holland St to Lakeshore Dr Resurface 30'	3.50	\$1,400,000	\$42,000	\$0	\$1,442,000 (\$1,442,000)	
	64th Avenue	Byron Road to Chicago Drive Resurface 24'	1.90	\$760,000	\$22,800	\$0	\$782,800 (\$782,800)	
		ROW & Other					\$300,000	
			Total	22.85	\$9,905,000	\$362,550	\$2,679,427	\$4,744,500

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2019-2023 Proposed Local Paved Road Improvements

Project Key	100% OCRC Funds Projects Funded from State General Fund Revenues
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	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2019	144th Avenue	Butternut to New Holland St Resurface + 2' Shoulder	Par/Holland	2.00	\$800,000	\$24,000	\$824,000
	Riley Street	Lakeshore Dr to Butternut Resurface + 2' Shoulder	Par/Holland	3.75	\$1,500,000	\$45,000	\$1,545,000
	40th Avenue	Port Sheldon to Baldwin St Resurface + 2' Shoulder	Georgetown	1.52	\$600,000	\$18,000	\$618,000 (\$618,000)
	Total			9.75	\$3,800,000	\$145,000	\$2,369,000

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2020	148th Avenue	Leonard Road to Fruitport Road Resurface 24' + 2' Shoulders	Spring Lake	4.00	\$1,600,000	\$48,000	\$1,648,000
	Frontage Street	88th Avenue to 84th Avenue Resurface Existing	Zeeland	0.50	\$175,000	\$5,250	\$180,250
	84th Avenue	Adams Street to Frontage Resurface Existing	Zeeland	0.65	\$200,000	\$6,000	\$206,000
	92nd Avenue	Perry Street to BL-196 Resurface Existing	Zeeland	0.50	\$175,000	\$5,250	\$180,250
Total			5.65	\$2,150,000	\$64,500	\$2,214,500	

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2021	42nd Avenue	Fillmore Street to Pierce Street Resurface Existing	Georgetown	1.00	\$350,000	\$10,500	\$360,500
	144th Avenue	Leonard Road to Apple Drive Resurface Existing	SL/Crockery	3.55	\$1,240,000	\$37,200	\$1,277,200
	136th Avenue	Port Sheldon St to Tyler St Resurface Existing	Olive	1.00	\$350,000	\$10,500	\$360,500
Total			5.55	\$1,940,000	\$58,200	\$1,998,200	

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2022	152nd Avenue	Lakewood Blvd to New Holland Resurface Existing	Park	3.50	\$1,300,000	\$65,000	\$1,365,000
	Comstock Street	16th Avenue to 8th Avenue Resurface 30'	Wright	0.90	\$340,000	\$17,000	\$357,000
	104th Avenue	James Street to Quincy Street Resurface + 2' Shoulders	Holland	2.00	\$900,000	\$27,000	\$927,000
Total			6.40	\$2,540,000	\$109,000	\$2,649,000	

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2023	104th Avenue	James Street to Quincy Street Resurface + 2' Shoulders	Holland	1.65	\$740,000	\$22,200	\$762,200
	Quincy Street	96th Avenue to 72nd Avenue Resurface + 2' Shoulders	Zeeland	3.00	\$1,200,000	\$36,000	\$1,236,000
	Ferris Street	US-31 to 152nd Avenue Resurface 28'	Grand Haven	2.00	\$800,000	\$24,000	\$824,000
	Lincoln Street	Lincoln Street to Groesbeck Resurf/Stand. 24' + 2' Shoulder	Grand Haven	1.75	\$780,000	\$39,000	\$819,000 (\$819,000)
Total			8.40	\$3,520,000	\$121,200	\$2,822,200	

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2019-2023 Proposed Preventative Maintenance - Cape Seal Program

Project Key	100% OCRC Funds
	Anticipated Federal and State Funds
	Countywide Road Millage Funds

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2019	New Holland Street	Lakeshore Dr to 144th Ave Cape Seal Surface 20'	PS/Park	3.53	\$248,512	\$7,060	\$255,572
	96th Avenue	Riley Street to Van Buren Cape Seal Surface 30'	Blendon/Zee	2.00	\$211,200	\$2,000	\$213,200
	Lake Michigan Drive	Lakeshore Drive to US-31 Cape Seal Surface 24'	Grand Haven	2.10	\$177,408	\$4,200	\$181,608
	South Shore Drive	City Limits west to end Cape Seal Surface 24'	Park	2.10	\$177,408	\$4,200	\$181,608
	160th Avenue	Ottogan to South Shore Drive Cape Seal Surface 24'	Park	0.44	\$37,171	\$880	\$38,051
	Taylor Street	96th Avenue to 72nd Avenue Cape Seal Surface 24'	Blendon	3.00	\$253,440	\$6,000	\$259,440
	James Street	Lakeshore Dr to Butternut Cape Seal Surface 20' and 24'	Park/Holland	4.30	\$363,264	\$8,600	\$371,864
Total				17.47	\$1,468,403	\$32,940	\$1,501,343

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2020	8th Avenue	M-45 to M-11 Cape Seal Surface 24'	Tallmadge	4.00	\$337,920	\$8,000	\$345,920
	Cleveland Street	24th Avenue to 16th Avenue Cape Seal Surface 24'	Wright	1.00	\$84,480	\$1,000	\$85,480
	24th Avenue	Cleveland Street to Wilson St Cape Seal Surface 24'	Wright	3.00	\$253,440	\$1,000	\$254,440
	16th Avenue	Hayes Street to Cleveland St Cape Seal Surface 24'	Wright	3.10	\$263,500	\$3,100	\$266,600
	Hayes Street	16th Avenue to M-11 Cape Seal Surface 24'	Wright	1.00	\$84,480	\$1,000	\$85,480
	Wilson Street	64th Avenue to 48th Avenue Cape Seal Surface 24'	Polkton	2.00	\$168,960	\$2,000	\$170,960
	56th Avenue	Cleveland Street to Wilson St Cape Seal Surface 24'	Polkton	3.00	\$253,440	\$6,000	\$259,440
	68th Avenue	Randall Street to Cleveland St Cape Seal Surface 24'	Polkton	1.00	\$84,480	\$2,000	\$86,480
	Perry Street	104th Avenue to 92nd Avenue Cape Seal 20'	Holland/Zee	1.50	\$126,720	\$3,000	\$129,720
	96th Avenue	BL-196 to Perry Street Cape Seal 36'	Holland/Zee	0.50	\$63,360	\$1,000	\$64,360
	Wilson Street	80th Avenue to 64th Avenue Cape Seal Surface 24'	Polkton	2.00	\$168,960	\$2,000	\$170,960 (\$170,960)
	Cleveland Street	48th Avenue to 24th Avenue Cape Seal Surface 30'	Wright	3.00	\$263,500	\$3,000	\$266,500 (\$266,500)
Total				25.10	\$2,153,240	\$33,100	\$1,748,880

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**2019-2023 Proposed Preventative Maintenance
- Cape Seal Program**

Project Key	100% OCRC Funds
	Anticipated Federal and State Funds
	Countywide Road Millage Funds

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2021	72nd Avenue	Van Buren St to Fillmore Cape Seal Surface 24'	Blendon	5.00	\$457,600	\$10,000	\$467,600
	Bauer Road	72nd Avenue to 24th Avenue Cape Seal Surface 24' & 30'	Blendon/Geo	6.00	\$640,640	\$12,000	\$652,640
	48th Avenue	Chicago Drive to Bauer Road Cape Seal Surface 24'	Geo/Blendon	4.75	\$434,720	\$9,500	\$444,220
	136th Avenue	Quincy Street to Port Sheldon Cape Seal Surface 24'	Holl/Olive	3.10	\$283,710	\$6,200	\$289,910
	Port Sheldon Street	Butternut Drive to US-31 Cape Seal Surface 24'	PS/Olive	3.70	\$320,000	\$5,000	\$325,000
	Total			22.55	\$2,136,670	\$42,700	\$2,179,370

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2022	8th Ave/Hayes St	County Line to Wilson Street Cape Seal Surface 24'	Wright	7.04	\$600,000	\$5,000	\$605,000
	Garfield St/Berlin Fair	48th Avenue to 16th Avenue Cape Seal Surface 24'	Wright	4.60	\$420,992	\$9,200	\$430,192
	Linden/Luce Street	M-45 to Kenowa Cape Seal Surface 24'	Tallmadge	5.50	\$635,000	\$11,000	\$646,000
	Apple Drive	Cleveland Street to Fruitport Road Cape Seal Surface 24'	Sp Lake/Crock	7.40	\$470,000	\$14,800	\$484,800
	Wilson Street	Squires Road to 24th Avenue Cape Seal Surface 24'	Chester	3.00	\$255,000	\$3,000	\$258,000
	Wilson Street	24th Avenue to Kenowa Cape Seal Surface 24'	Chester	3.00	\$255,000	\$3,000	\$258,000 (\$258,000)
	Total			30.54	\$2,635,992	\$46,000	\$2,423,992

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2023	Port Sheldon Street	US-31 to 48th Avenue Cape Seal Surface 30'	Olive/Blendon	11.20	\$1,250,000	\$11,000	\$1,261,000
	Green St/N Cedar	Mercury Drive to 104th Ave Cape Seal Surface 24'	Robinson	5.50	\$495,000	\$5,000	\$500,000
	48th Avenue	Ottogan Street to Chicago Drive Cape Seal Surface 24'	Zeeland/James	5.90	\$531,000	\$5,000	\$536,000
	Fruitport Road	M-104 to County Line Cape Seal Surface 30'	Spring Lake	3.50	\$315,000	\$3,500	\$318,500 (\$318,500)
	Ottawa Beach Road	Holland State Park to 144th Ave Cape Seal Surface 30' and 44'	Park	4.40	\$660,000	\$4,500	\$664,500 (\$664,500)
	Quincy Street	40th Avenue to Kenowa Cape Seal Surface 24'	Jamestown	5.00	\$450,000	\$5,000	\$455,000 (\$455,000)
	Total			35.50	\$3,701,000	\$34,000	\$2,297,000

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**2019-2023 Proposed Preventative Maintenance
- Seal Coat Program**

Project Key	100% OCRC Funds Township Funds
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Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC	
2019	120th Avenue	Leonard Street south to river	Crockery	1.50	\$52,500	\$1,500	\$54,000
	130th Avenue	M-104 south	Crockery	0.25	\$8,750	\$250	\$9,000
	132nd Avenue	Leonard Street south	Crockery	0.50	\$17,500	\$500	\$18,000
	136th Avenue	M-104 south	Crockery	0.25	\$8,750	\$250	\$9,000
	138th/144th Avenue	Leonard Street south to river	Crockery	2.40	\$84,000	\$2,400	\$86,400
	96th Avenue	Leonard Street to Oriole Drive	Crockery	0.63	\$22,050	\$630	\$22,680
	State Road	112th Avenue to Walnut	Crockery	0.61	\$21,350	\$610	\$21,960
	Taft Street	144th Avenue to Apple Drive	Crockery	0.99	\$34,650	\$990	\$35,640
	Wilson Street	112th Avenue to 104th Avenue	Crockery	1.00	\$35,000	\$1,000	\$36,000
	64th Avenue	City Limits to Wilson St	Polkton	2.79	\$97,650	\$2,790	\$100,440
	68th Avenue	City Limits to Taft Street	Polkton	1.78	\$62,300	\$1,780	\$64,080
	76th Avenue	Hayes Street to Garfield Street	Polkton	1.00	\$35,000	\$1,000	\$36,000
	84th Avenue	S of Leonard to Garfield Street	Polkton	2.50	\$87,500	\$2,500	\$90,000
	88th Avenue	State Street to Taft Street	Polkton	1.50	\$52,500	\$1,500	\$54,000
	96th Avenue	Cleveland Street to Taft Street	Polkton	2.00	\$70,000	\$2,000	\$72,000
	Arthur Street	88th Avenue to 68th Avenue	Polkton	2.70	\$94,500	\$2,700	\$97,200
	Garfield Street	96th Avenue to 68th Avenue	Polkton	3.54	\$123,900	\$3,540	\$127,440
	Garfield Street	68th Avenue to 48th Avenue	Polkton	2.52	\$88,200	\$2,520	\$90,720
	Oriole Drive	Leonard Street west	Polkton	0.77	\$26,950	\$770	\$27,720
	Roosevelt Street	56th Avenue to 48th Avenue	Polkton	1.00	\$35,000	\$1,000	\$36,000
	24th Avenue	Hayes Street to Cleveland Street	Wright	3.00	\$105,000	\$3,000	\$108,000
	32nd Avenue	Hayes Street to Garfield Street	Wright	1.02	\$35,700	\$1,020	\$36,720
	40th Avenue	Cleveland Street to Wilson St	Wright	3.05	\$106,750	\$3,050	\$109,800
	48th Avenue	City Limits to Wilson St	Wright	2.80	\$98,000	\$2,800	\$100,800
	Garfield Street	16th Avenue to County line	Wright	2.00	\$70,000	\$2,000	\$72,000
	Hayes Street	40th Avenue to 16th Avenue	Wright	3.00	\$105,000	\$3,000	\$108,000
	Juniper Drive	Arthur Street to east of 24th Ave	Wright	1.71	\$59,850	\$1,710	\$61,560
	Roosevelt Street	24th Avenue to 8th Ave	Wright	2.00	\$70,000	\$2,000	\$72,000
				Total	48.81	\$1,708,350	\$48,810

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*2019-2023 Proposed Preventative Maintenance
- Seal Coat Program*

Project Key	100% OCRC Funds
	Township Funds

Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC	
2021	104th Avenue	New Holland St to Fillmore St	Olive	6.00	\$228,000	\$6,000	\$234,000
	112th Avenue	New Holland St to Fillmore Street	Olive	6.00	\$228,000	\$6,000	\$234,000
	124th Avenue	Croswell Street north	Olive	0.40	\$15,200	\$400	\$15,600
	144th Avenue	New Holland St to West Olive	Olive/Port Sh	3.75	\$142,500	\$3,750	\$146,250
	Baldwin Street	104th Avenue to 96th Avenue	Olive	1.00	\$38,000	\$1,000	\$39,000
	Bingham Street	100th Avenue to 96th Avenue	Olive	0.50	\$19,000	\$500	\$19,500
	Blair Street	US-31 to 136th Avnue	Olive	0.50	\$19,000	\$500	\$19,500
	New Holland Street	120th Avenue to 96th Avenue	Olive	3.00	\$114,000	\$3,000	\$117,000
	Polk Street	West of 120th Ave to 96th Ave	Olive	3.25	\$123,500	\$3,250	\$126,750
	Stanton Street	142nd Avenue to 96th Avenue	Olive	5.80	\$220,400	\$5,800	\$226,200
	Taylor Street	120th Avenue to 116th Avenue	Olive	0.50	\$19,000	\$500	\$19,500
	152nd Avenue	Ottawa Beach Road south	Park	0.80	\$30,400	\$800	\$31,200
	160th Avenue	South of OBR to Ransom Street	Park	4.10	\$155,800	\$4,100	\$159,900
	168th Avenue	Perry Street to Riley Street	Park	2.00	\$76,000	\$2,000	\$78,000
	Greenly Street	168th Avenue to 152nd Avenue	Park	2.04	\$77,520	\$2,040	\$79,560
	Perry Street	Lakeshore Dr to east of 160th	Park	1.90	\$72,200	\$1,900	\$74,100
	Ransom Street	Lakeshore Dr to Butternut	Park	2.56	\$97,280	\$2,560	\$99,840
	52nd Avenue	Perry Street to Byron Road	Zeeland	1.00	\$38,000	\$1,000	\$39,000
	56th Avenue	Ottogan Street to Byron Road	Zeeland	3.00	\$114,000	\$3,000	\$117,000
	74th/Perry/76th Ave	Adams Street to Byron Road	Zeeland	2.25	\$85,500	\$2,250	\$87,750
	80th Avenue	Chicago Drive to Ransom St	Zeeland	1.50	\$57,000	\$1,500	\$58,500
	Perry Street	74th Avenue to 48th Avenue	Zeeland	3.25	\$123,500	\$3,250	\$126,750
	Ransom Street	80th Avenue to 64th Avenue	Zeeland	2.00	\$76,000	\$2,000	\$78,000
			Total	57.10	\$2,169,800	\$57,100	\$2,226,900

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*2019-2023 Proposed Preventative Maintenance
- Seal Coat Program*

<u>Project Key</u>	100% OCRC Funds
	Township Funds

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2022	152nd Avenue	South of Lincoln St to Groesbeck	Grand Haven	0.25	\$10,000	\$250	\$10,250
	152nd Avenue	Mercury Drive to Robbins Rd	Grand Haven	0.70	\$28,000	\$700	\$28,700
	168th Avenue	South of Buchanan to Ferris	Grand Haven	2.00	\$80,000	\$2,000	\$82,000
	Buchanan Street	Lakeshore Drive to US-31	Grand Haven	1.42	\$56,800	\$1,420	\$58,220
	Fillmore Street	Hiawatha Dr to US-31	Grand Haven	2.25	\$90,000	\$2,250	\$92,250
	Groesbeck Street	160th Ave to Mercury	Grand Haven	1.30	\$52,000	\$1,300	\$53,300
	Hiawatha Drive	Lakeshore Dr to Fillmore St	Grand Haven	1.00	\$40,000	\$1,000	\$41,000
	Johnson Street	168th Avenue east	Grand Haven	0.45	\$18,000	\$450	\$18,450
	Pierce Street	Lakeshore Drive to 168th Ave	Grand Haven	0.75	\$30,000	\$750	\$30,750
	Robbins Road	Mercury Drive to 152nd Avenue	Grand Haven	0.80	\$32,000	\$800	\$32,800
	Winnans Street	168th Avenue to 152nd Avenue	Grand Haven	2.10	\$84,000	\$2,100	\$86,100
	104th Avenue	Ottogan to Adams Street	Holland	1.00	\$40,000	\$1,000	\$41,000
	112th Avenue	Ottogan Street to Mason Street	Holland	0.50	\$20,000	\$500	\$20,500
	128th Avenue	South of Ransom to New Holland	Holland	0.95	\$38,000	\$950	\$38,950
	132nd Avenue	James Street to Riley Street	Holland	1.00	\$40,000	\$1,000	\$41,000
	142nd Avenue	Riley Street to Quincy Street	Holland	1.00	\$40,000	\$1,000	\$41,000
	Felch Street	Butternut Drive to 136th Avenue	Holland	0.50	\$20,000	\$500	\$20,500
	Mason Street	112th Avenue to 104th Avenue	Holland	1.00	\$40,000	\$1,000	\$41,000
	Ottogan Street	City Limits to 96th Avenue	Holland	2.30	\$92,000	\$2,300	\$94,300
	152nd Avenue	New Holland St to Baldwin St	Port Sheldon	3.50	\$140,000	\$3,500	\$143,500
	160th Avenue	Van Buren St to Blair St	Port Sheldon	1.50	\$60,000	\$1,500	\$61,500
	164th Avenue	New Holland St to Van Buren	Port Sheldon	1.00	\$40,000	\$1,000	\$41,000
	Blair Street	Wildwood Dr to 144th Avenue	Port Sheldon	2.90	\$116,000	\$2,900	\$118,900
	Croswell Street	Olive Shore Ave to Lakeshore	Port Sheldon	0.30	\$12,000	\$300	\$12,300
	Olive Shore/Margaret	Lakeshore Drive south	Port Sheldon	1.90	\$76,000	\$1,900	\$77,900
	Taylor Street	Hiawatha Dr to US-31	Port Sheldon	2.10	\$84,000	\$2,100	\$86,100
	Tyler Street	West of 152nd Ave to 144th Ave	Port Sheldon	1.50	\$60,000	\$1,500	\$61,500
	Wildwood Dr	Lakeshore Dr to Blair Street	Port Sheldon	1.00	\$40,000	\$1,000	\$41,000
	148th Avenue	Boom Road to Leonard Street	Spring Lake	0.90	\$36,000	\$900	\$36,900
	Boom Road	Leonard Street to 144th Avenue	Spring Lake	1.70	\$68,000	\$1,700	\$69,700
	Hickory Street	Fruitport Road to Apple Drive	Spring Lake	1.25	\$50,000	\$1,250	\$51,250
	Kelly Street	Fruitport Road to 148th Avenue	Spring Lake	1.00	\$40,000	\$1,000	\$41,000
Taft Street	180th Avenue to 174th Avenue	Spring Lake	0.80	\$32,000	\$800	\$32,800	
Van Wagoner Street	168th Avenue to West Spring Lk	Spring Lake	0.75	\$30,000	\$750	\$30,750	
Wilson Street	West of 174th Ave to US-31	Spring Lake	1.30	\$52,000	\$1,300	\$53,300	
			Total	44.67	\$1,786,800	\$44,670	\$1,831,470

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*2019-2023 Proposed Preventative Maintenance
- Seal Coat Program*

<u>Project Key</u>	100% OCRC Funds
	Township Funds

2023	54th Avenue	Rosewood St to Tyler St	Blendon	0.25	\$10,000	\$250	\$10,250
	56th Avenue	Port Sheldon St to Fillmore St	Blendon	4.00	\$160,000	\$4,000	\$164,000
	60th Avenue	Port Sheldon St to Tyler St	Blendon	1.00	\$40,000	\$1,000	\$41,000
	64th Avenue	South of Barry Street	Blendon	0.18	\$7,200	\$180	\$7,380
	76th Avenue	Taylor St to Fillmore St	Blendon	1.00	\$40,000	\$1,000	\$41,000
	84th Avenue	Van Buren St to Port Sheldon	Blendon	1.00	\$40,000	\$1,000	\$41,000
	88th Avenue	Van Buren St to Port Sheldon	Blendon	1.00	\$40,000	\$1,000	\$41,000
	88th Avenue	Baldwin Street to Taylor Street	Blendon	1.50	\$60,000	\$1,500	\$61,500
	Baldwin Street	56th Avenue to 48th Avenue	Blendon	1.00	\$40,000	\$1,000	\$41,000
	Barry Street	72nd Avenue to 48th Avenue	Blendon	3.10	\$124,000	\$3,100	\$127,100
	Bingham Street	96th Avenue to 88th Avenue	Blendon	1.00	\$40,000	\$1,000	\$41,000
	Blair Street	96th Avenue east to end	Blendon	0.23	\$9,200	\$230	\$9,430
	New Holland Street	96th Avenue to 88th Avenue	Blendon	1.00	\$40,000	\$1,000	\$41,000
	Rosewood Street	54th Avenue east to end	Blendon	0.50	\$20,000	\$500	\$20,500
	Tyler Street	72nd Avenue to 48th Avenue	Blendon	3.00	\$120,000	\$3,000	\$123,000
	Tyler Street	96th Avenue to 72nd Avenue	Blendon	3.00	\$192,000	\$3,000	\$195,000
	16th Avenue	Barry Street to Van Buren St	Georgetown	0.30	\$12,000	\$300	\$12,300
	Barry Street	West end to City Limits (40th)	Georgetown	0.50	\$20,000	\$500	\$20,500
	Barry Street	8th Avenue to Kenowa	Georgetown	1.00	\$40,000	\$1,000	\$41,000
	Barry Street	City Limits to 16th Avenue	Georgetown	1.30	\$52,000	\$1,300	\$53,300
	Jackson Street	Angling Road to 8th Avenue	Georgetown	0.60	\$24,000	\$600	\$24,600
	McClelland Street	16th Avenue to 8th Avenue	Georgetown	1.10	\$44,000	\$1,100	\$45,100
	8th Avenue	Ottogan Street to Byron Road	Jamestown	3.00	\$120,000	\$1,000	\$43,000
	16th Avenue	Byron Road to Riley Street	Jamestown	1.00	\$40,000	\$1,000	\$41,000
	16th Avenue	Greenly Street to Quincy Street	Jamestown	0.50	\$20,000	\$500	\$20,500
	28th Avenue	Mason Street to Perry Street	Jamestown	1.50	\$60,000	\$1,500	\$61,500
	32nd Ave	Ottogan Street to Byron Road	Jamestown	3.00	\$120,000	\$2,000	\$122,000
	36th Avnue	Adams Street to Perry Street	Jamestown	1.00	\$40,000	\$1,000	\$41,000
	40th Avenue	Adams Street to north of Quincy	Jamestown	4.30	\$172,000	\$4,300	\$176,300
	Angling Road	Quincy Street to New Holland	Jamestown	1.61	\$64,400	\$1,610	\$66,010
	Gordon Street	40th Avenue to 32nd Avenue	Jamestown	1.00	\$40,000	\$1,000	\$41,000
	Greenly Street	40th Avenue to 8th Avenue	Jamestown	4.00	\$160,000	\$4,000	\$164,000
	Mason Street	32nd Avenue to 28th Avenue	Jamestown	0.50	\$20,000	\$500	\$20,500
	Perry Street	48th Avenue to Kenowa	Jamestown	6.00	\$240,000	\$6,000	\$246,000
	Ransom Street	40th Avenue west to end	Jamestown	0.23	\$9,200	\$230	\$9,430
	Riley Street	48th Avenue to 32nd Avenue	Jamestown	2.00	\$80,000	\$2,000	\$82,000
	Riley Street	8th Avenue to Kenowa	Jamestown	1.00	\$40,000	\$1,000	\$41,000
			Total	58.20	\$2,400,000	\$55,200	\$2,377,200