

Ottawa County Road Commission

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August 9, 2012

The Ottawa County Road Commission is pleased to present the attached draft of the 2013-2018 Strategic Improvement Plan (SIP) for review and comments.

On an annual basis, the Road Commission develops a SIP to manage county road assets, identify improvement needs, and determine economical methods to finance improvement projects. The review of these assets helps identify replacement, repair, and maintenance items to be incorporated into the SIP.

The following programs have been developed with project lists and cost estimates based on the county road asset inventories:

- Primary Roads
- Local Paved Roads
- Preventative Maintenance
- Bridge
- Local Gravel Roads
- Culvert and Drainage
- Traffic & Safety

Part of the SIP process is to gather input and comments from local governmental officials and the general public. A public hearing for the SIP has been scheduled on September 20th, 10:00am at the Road Commission offices. 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

2013-2018 Proposed Primary Road Improvements

Project Key	Allocated Funding Anticipated Federal Funds - MACC Anticipated Federal Funds - GVMC Anticipated Federal Funds - WESTPLAN Anticipated Federal Funds - Rural Task Force 100% OCRC Funds
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	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2013	James Street	US-31 to 136th Avenue Resurface 55' and 36'	1.50	\$825,000	\$41,250	\$500,000	\$366,250
	Baldwin Street	20th Avenue to Cottonwood Dr. Resurface 55'	2.10	\$950,000	\$47,500	\$612,360	\$385,140
	Leonard Street	24th Avenue to County Line Resurface 24' +3' Shoulder	3.40	\$1,075,000	\$53,750	\$740,275	\$388,475
	64th Avenue	County Line to Byron Road Resurface 24'	3.00	\$725,000	\$36,250	\$500,000	\$261,250
	144th Avenue	Lincoln Street to Mercury Drive Resurface 24' +3' Shoulder	1.50	\$480,000	\$24,000	\$300,000	\$204,000
	68th Avenue	Pierce Street Intersection Intersection Improvements	0.10	\$500,000	\$50,000	\$400,000	\$150,000
	Jackson Street	16th Avenue to I-96 Ramp Reconstruct with Concrete	0.15	\$260,000	\$20,000	\$200,000	\$80,000
	96th Avenue	Riley Street Intersecton Right Turn Lane Improvements	0.10	\$544,000	\$50,000	\$297,000	\$297,000
	Riley Street	Butternut Drive West bound Right Turn Lane	0.10	\$119,000	\$10,000	\$74,000	\$55,000
	136th Avenue	Quincy Street to Port Sheldon St. Resurface 24' +3' Shoulder	3.10	\$950,000	\$47,500	\$0	\$997,500
	ROW & Other						\$300,000
Total			15.05	\$6,428,000	\$380,250	\$3,623,635	\$3,484,615

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2014	44th Street	8th Avenue to Kenowa Resurface 55'	1.00	\$651,000	\$32,550	\$460,000	\$223,550
	Bauer Road	24th Avenue to Cottonwood Resurface 24' + 3' Shoulder	1.50	\$675,000	\$33,750	\$369,600	\$339,150
	Lincoln Street	152nd Avenue to 144th Avenue Resurface 24' + 3' Shoulder	1.00	\$450,000	\$22,500	\$289,815	\$182,685
	Cleveland Street	96th Avenue to 68th Avenue Resurface 24'	3.60	\$1,080,000	\$54,000	\$675,000	\$459,000
	96th Avenue	County Line to Adams Street Resurface 24' +3' Shoulder	1.00	\$450,000	\$22,500	\$175,000	\$297,500
	*120th Avenue	New Holland St. to Port Sheldon Resurface 24' +3' Shoulder	2.00	\$800,000	\$40,000	\$550,000	\$290,000
	*Ottawa Beach Road	144th Avenue Intersection Left Turn Lanes	0.10	\$300,000	\$20,000	\$200,000	\$120,000
	*Leonard Road	148th Avenue to 130th Avenue Resurface 24' + 3' Shoulder	2.10	\$830,000	\$41,500	\$500,000	\$371,500
	*Leonard Road	Linden Drive to 24th Avenue Resurface 24' + 3' Shoulder	1.50	\$675,000	\$33,750	\$400,000	\$308,750
	Cape Seal Program	Various Roads					\$600,000
	ROW & Other						\$300,000
Total			13.80	\$5,911,000	\$300,550	\$3,619,415	\$3,492,135

* Applications for Local Safety and HRRR funds were submitted to MDOT

2013-2018 Proposed Primary Road Improvements

Project Key	Allocated Funding
	Anticipated Federal Funds - MACC
	Anticipated Federal Funds - GVMC
	Anticipated Federal Funds - WESTPLAN
	Anticipated Federal Funds - Rural Task Force
	100% OCRC Funds

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2015	136th Avenue	Riley Street to Quincy Street Reconstruct to 3 Lanes	1.00	\$1,200,000	\$60,000	\$960,000	\$300,000
	Port Sheldon Street	40th Avenue to Chicago Drive Resurface 55'	2.52	\$1,300,000	\$65,000	\$900,000	\$465,000
	Fruitport Road	M-104 to Kelly Street Resurface 24' + 3' Shoulder	1.54	\$675,000	\$33,750	\$500,000	\$208,750
	Lakeshore Drive	New Holland Street to Butternut Resurface 24' + 3' Shoulder	3.30	\$1,500,000	\$75,000	\$650,000	\$925,000
	Byron Road	24th Avenue to Kenowa Avenue Resurface 24' +3' Shoulder	3.00	\$1,200,000	\$60,000	\$0	\$1,260,000
		ROW & Other					
Total			11.36	\$5,875,000	\$293,750	\$3,010,000	\$3,458,750

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC	
2016	Port Sheldon Street	US-31 to 120th Avenue Resurface 24' + 3' Shoulder	2.10	\$945,000	\$47,250	\$600,000	\$392,250	
	*48th Avenue	Pierce Street to M-45 Reconstruct to 4 Lane Blvd.	1.00	\$2,300,000	\$115,000	\$1,700,000	\$715,000	
	Fruitport Road	Kelly Street to County Line Resurface 24' + 3' Shoulder	1.84	\$810,000	\$40,500	\$600,000	\$250,500	
	Adams Street	24th Avenue to Kenowa Resurface 30'	3.00	\$1,100,000	\$55,000	\$650,000	\$505,000	
	Ottawa Beach Road	State Park to 160th Avenue Resurface 30'	2.30	\$966,000	\$48,300	\$0	\$1,014,300	
		Cape Seal Program	Various Roads					\$400,000
		ROW & Other						\$300,000
Total			10.24	\$6,121,000	\$306,050	\$3,550,000	\$3,577,050	

* 48th Avenue will require funding from adjacent Townships in order for the project to be implemented.

2013-2018 Proposed Primary Road Improvements

Project Key	Allocated Funding
	Anticipated Federal Funds - MACC
	Anticipated Federal Funds - GVMC
	Anticipated Federal Funds - WESTPLAN
	Anticipated Federal Funds - Rural Task Force
	100% OCRC Funds

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2017	Ottawa Beach Road	160th Avenue to 144th Avenue Resurface 44'	2.10	\$950,000	\$47,500	\$750,000	\$247,500
	Cottonwood Drive	Taylor Street to Baldwin Street Resurface 2 and 4 lanes	2.16	\$1,050,000	\$52,500	\$700,000	\$402,500
	174th Avenue	Van Wagoner to Wilson Street Resurface 30'	1.53	\$650,000	\$32,500	\$500,000	\$182,500
	112th Avenue	Cleveland Street to Wilson St. Resurface 30'	3.00	\$1,100,000	\$55,000	\$650,000	\$505,000
	Port Sheldon Street	72nd Avenue to 40th Avenue Resurface 30'	4.00	\$1,440,000	\$72,000	\$0	\$1,512,000
	Cape Seal Program	Various Roads					\$400,000
	ROW & Other					\$300,000	
	Total		12.79	\$5,190,000	\$259,500	\$2,600,000	\$3,549,500

	Primary Road	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2018	Beeline Road	Lakewood Blvd. to Riley Street Resurface 30'	1.51	\$650,000	\$32,500	\$500,000	\$182,500
	32nd Aenue	Byron Road to Quincy Street Resurface + Various Left Turn	1.00	\$1,100,000	\$55,000	\$800,000	\$355,000
	Robbins Road	Pine Street to Mercury Drive Resurface 30'	0.75	\$325,000	\$16,250	\$250,000	\$91,250
	Osborn/Bass/Warner	104th Avenue to 68th Avenue Resurface 30'	4.83	\$1,575,000	\$78,750	\$700,000	\$953,750
	Leonard Road	68th Avenue to Linden Drive Resurface 24' + 3' Shoulder	3.87	\$1,600,000	\$80,000	\$0	\$1,680,000
	Miscellaneous						\$200,000
	ROW & Other					\$300,000	
	Total		11.96	\$5,250,000	\$262,500	\$2,250,000	\$3,762,500

2013-2018 Proposed Local Paved Road Improvements

Project Key	100% OCRC Funds
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	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2013	West Olive Road	144th Avenue to Port Sheldon Resurface Existing	Olive/PS	2.78	\$639,400	\$31,970	\$671,370
	Total			2.78	\$639,400	\$31,970	\$671,370

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2014	Rosewood Street	18th Avenue to 12th Avenue Resurface Existing	Georgetown	0.80	\$230,000	\$11,500	\$241,500
	Quincy Street	Butternut Drive to 144th Avenue Resurface Existing	Park	0.78	\$230,000	\$11,500	\$241,500
	Ferris Street	Lakeshore Drive to US-31 Resurface Existing	Grand Haven	0.73	\$230,000	\$11,500	\$241,500
	Total			2.31	\$690,000	\$34,500	\$724,500

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2015	Quincy Street	40th Avenue to 24th Avenue Widen and Resurface 24'	Jamestown	2.00	\$600,000	\$30,000	\$630,000
	Total			2.00	\$600,000	\$30,000	\$630,000

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2016	Ironwood Drive	48th Avenue to 40th Avenue Resurface Existing	Wright	1.07	\$250,000	\$12,500	\$262,500
	48th Avenue	M-45 North Resurface Existing	Allendale	0.75	\$200,000	\$10,000	\$210,000
	Total			1.82	\$450,000	\$22,500	\$472,500

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2017	New Holland Street	144th Avenue to 120th Avenue Widen and Resurface 24'	Olive	3.00	\$900,000	\$45,000	\$945,000
	Total			3.00	\$900,000	\$45,000	\$945,000

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2018	168th Avenue	OBR to Lakewood Boulevard Resurface Existing	Park	1.63	\$400,000	\$20,000	\$420,000
	Total			1.63	\$400,000	\$20,000	\$420,000

2013-2018 Proposed Preventative Maintenance - Seal Coat Program

Project Key	100% OCRC Funds
	Township Funds

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2013	Olive Shore/Margaret	Lakeshore Avenue to End	Port Sheldon	1.85	\$59,200	\$1,850	\$61,050
	Croswell Street	Olive Shore to Lakeshore Ave.	Port Sheldon	0.31	\$9,920	\$310	\$10,230
	Taylor Street	Hiawatha Drive to US-31	Port Sheldon	2.73	\$87,360	\$2,730	\$90,090
	152nd Avenue	New Holland St. to Baldwin St.	Port Sheldon	4.00	\$128,000	\$4,000	\$132,000
	76th Avenue	Taylor Street to Fillmore Street	Blendon	0.98	\$31,360	\$980	\$32,340
	54th Ave/Rosewood	Tyler St. to Rosewood St. east	Blendon	0.75	\$26,250	\$750	\$27,000
	Tyler Street	72nd Avenue to 56th Avenue	Blendon	2.02	\$70,700	\$2,020	\$72,720
	112th Avenue	New Holland St. to Van Buren	Olive	1.00	\$32,000	\$1,000	\$33,000
	112th Avenue	Port Sheldon St. to Tyler Street	Olive	1.01	\$32,320	\$1,010	\$33,330
	136th Avenue	Port Sheldon St. to Tyler Street	Olive	1.00	\$32,000	\$1,000	\$33,000
	40th Avenue	Bauer Road to Fillmore Street	Georgetown	1.51	\$48,320	\$1,510	\$49,830
	Johnson Street	8th Avenue to Kenowa	Tallmadge	0.99	\$31,680	\$990	\$32,670
	8th Avenue	Luce Street to M-45	Tallmadge	1.52	\$48,640	\$1,520	\$50,160
	Total			19.67	\$637,750	\$19,670	\$657,420

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2014	Pierce Street	78th Avenue to 60th Avenue	Allendale	2.31	\$80,850	\$2,310	\$83,160
	Pingree Street	68th Avenue west	Allendale	0.75	\$26,250	\$750	\$27,000
	78th Avenue	M-45 to Buchanan	Allendale	1.01	\$35,350	\$1,010	\$36,360
	84th Avenue	M-45 to Buchanan	Allendale	1.01	\$35,350	\$1,010	\$36,360
	Polk Street	120th Avenue to 96th Avenue	Olive	3.02	\$105,700	\$3,020	\$108,720
	Stanton Street	120th Avenue to 96th Avenue	Olive	3.00	\$105,000	\$3,000	\$108,000
	120th Avenue	Lincoln St. to North Cedar	Robinson	2.33	\$81,550	\$2,330	\$83,880
	128th Avenue	M-45 to Green Street	Robinson	4.05	\$141,750	\$4,050	\$145,800
	Total			17.48	\$611,800	\$17,480	\$629,280

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2015	Fillmore Street	Hiawatha Drive to US-31	Grand Haven	2.22	\$83,250	\$2,220	\$85,470
	168th Avenue	Buchanan Street to Lincoln St.	Grand Haven	1.01	\$37,875	\$1,010	\$38,885
	Winans Street	168th Avenue to 152nd Avenue	Grand Haven	2.15	\$80,625	\$2,150	\$82,775
	Wilson Street	180th Avenue to US-31	Spring Lake	1.29	\$48,375	\$1,290	\$49,665
	Kelly Street	Fruitport Road to 144th Avenue	Spring Lake	1.00	\$37,500	\$1,000	\$38,500
	Hickory Street	Fruitport Road to 144th Avenue	Spring Lake	1.23	\$46,125	\$1,230	\$47,355
	144th Avenue	Boom Road to Leonard Street	Crockery	1.08	\$40,500	\$1,080	\$41,580
	130th Avenue	M-104 to State Road	Crockery	1.02	\$38,250	\$1,020	\$39,270
	88th Avenue	Leonard Street to State Road	Polkton	3.96	\$148,500	\$3,960	\$152,460
	Total			14.96	\$561,000	\$14,960	\$575,960

2013-2018 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
2016	Coolidge Street	16th Avenue to Kenowa Avenue	Chester	2.22	\$88,800	\$2,220	\$91,020
	Hoover Street	Squires Road to Kenowa Avenue	Chester	6.00	\$240,000	\$6,000	\$246,000
	Roosevelt Street	8th Avenue to Kenowa Avenue	Wright	1.00	\$40,000	\$1,000	\$41,000
	40th Avenue	Arthur Street to Cleveland Street	Wright	1.00	\$40,000	\$1,000	\$41,000
	Dickinson Street	8th Avenue to Kenowa Avenue	Wright	1.00	\$40,000	\$1,000	\$41,000
	Roosevelt Street	40th Avenue to 24th Avenue	Wright	2.01	\$80,400	\$2,010	\$82,410
	32nd Avenue	Byron Road to County Line	Jamestown	3.02	\$120,800	\$3,020	\$123,820
	8th Avenue	Ottogan Street to Perry Street	Jamestown	2.00	\$80,000	\$2,000	\$82,000
	2nd Avenue	Finnessey Street to M-45	Tallmadge	1.18	\$47,200	\$1,180	\$48,380
	Johnson Street	48th Avenue to 24th Avenue	Tallmadge	3.00	\$120,000	\$3,000	\$123,000
Total				22.43	\$897,200	\$22,430	\$919,630

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2017	88th Avenue	BL-196 to Adams Street	Zeeland	1.54	\$64,680	\$1,540	\$66,220
	Mason Street	112th Avenue to 104th Avenue	Holland	0.99	\$41,580	\$990	\$42,570
	112th Avenue	Mason Street to Ottogan Street	Holland	0.50	\$21,000	\$500	\$21,500
	160th Avenue	Lakewood Blvd to New Holland	Park	3.62	\$152,040	\$3,620	\$155,660
	Stanton Street	Lakeshore Dr. to 146th Avenue	Port Sheldon	3.83	\$160,860	\$3,830	\$164,690
	Baldwin Street	1/2 mile W of 152nd to 144th	Port Sheldon	1.51	\$63,420	\$1,510	\$64,930
Total				11.99	\$503,580	\$11,990	\$515,570

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2018	New Holland Street	120th Avenue to 96th Avenue	Olive	3	\$126,000	\$3,000	\$129,000
	Stanton Street	112th Avenue to 96th Avenue	Olive	2.00	\$84,000	\$2,000	\$86,000
	Tyler Street	US-31 to 112th Avenue	Olive	3.75	\$157,500	\$3,750	\$161,250
	Van Buren Street	Butternut Drive to US-31	PS/Olive	3.80	\$159,600	\$3,800	\$163,400
	Tyler Street	56th Avenue to 48th Avenue	Blendon	1.00	\$42,000	\$1,000	\$43,000
	Ransom Street	88th Avenue to 80th Avenue	Zeeland	1.00	\$42,000	\$1,000	\$43,000
	McClelland Street	16th Avenue to 8th Avenue	Georgetown	1.10	\$46,200	\$1,100	\$47,300
	Barry Street	8th Avenue to Kenowa	Georgetown	1.00	\$42,000	\$1,000	\$43,000
Total				16.65	\$699,300	\$16,650	\$715,950

2013-2018 Proposed Preventative Maintenance - Cape Seal Program

Project Key	100% OCRC Funds Primary Road Program
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	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2013	Croswell Street	Lakeshore Avenue to US-31 Cape Seal Surface 24'	Port Sheldon	2.77	\$180,000	\$2,770	\$182,770
	Garfield Street	48th Avenue to 32nd Avenue Cape Seal Surface 24'	Wright	2.00	\$130,000	\$2,000	\$132,000
	Garfield/Berlin Fair Dr	32nd Avenue to Hayes Street Cape Seal Surface 22'	Wright	2.58	\$155,000	\$2,580	\$157,580
Total				7.35	\$465,000	\$7,350	\$472,350

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2014	Linden/Luce Street	M-45 to Kenowa Cape Seal Surface 24'	Tallmadge	5.48	\$355,000	\$5,480	\$360,480
	Port Sheldon Street	Butternut to US-31 Cape Seal Surface 24'	Port Sheldon	3.76	\$245,000	\$3,760	\$248,760
	64th Avenue	Byron Road to Chicago Drive Cape Seal Surface 30'	Zeeland	1.89	\$155,000	\$1,890	\$156,890
	Fillmore Street	US-31 to 120th Avenue Cape Seal Surface 24'	GH/Robinson	4.07	\$270,000	\$4,070	\$274,070
		Primary Road Program					(\$600,000)
Total				15.20	\$1,025,000	\$15,200	\$440,200

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2015	Fillmore Street	120th Avenue to 72nd Avenue Cape Seal Surface 24'	Rob/Allen	6.00	\$420,000	\$6,000	\$426,000
	104th Avenue	Quincy Street to New Holland Cape Seal Surface 20'	Holland	1.01	\$70,000	\$1,010	\$71,010
	112th Avenue	James Street to New Holland Cape Seal Surface 24'	Holland	3.03	\$200,000	\$3,030	\$203,030
Total				10.04	\$690,000	\$10,040	\$700,040

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2016	24th/22nd Avenue	Riley Street to Van Buren Street Cape Seal Surface 24'	Geo/James	3.36	\$235,000	\$3,360	\$238,360
	Green/N. Cedar	Mercury Drive to 104th Avenue Cape Seal Surface 24'	Robinson	5.47	\$355,000	\$5,470	\$360,470
	48th Avenue	Riley Street to Chicago Drive Cape Seal Surface 24'	Zee/James	1.91	\$135,000	\$1,910	\$136,910
		Primary Road Program					(\$400,000)
	Total				10.74	\$725,000	\$10,740

2013-2018 Proposed Preventative Maintenance - Cape Seal Program

Project Key	100% OCRC Funds Township Funds
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	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2017	Truman Street	Squires Road to Kenowa	Chester	6.00	\$420,000	\$6,000	\$426,000
		Cape Seal Surface 24'					
	State Road	Fruitport Road to Apple Drive	SL/Crockery	4.06	\$285,000	\$4,060	\$289,060
		Cape Seal Surface 24'					
		Primary Road Program					(\$400,000)
	Total			10.06	\$705,000	\$10,060	\$315,060

	Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2018	48th Avenue	Leonard Road to Ironwood Drive	Wright/Tall	3.38	\$245,000	\$3,380	\$248,380
		Cape Seal Surface 24'					
	24th/Johnson/16th	M-45 to Hayes Street	Tallmadge	5.00	\$375,000	\$5,000	\$380,000
		Cape Seal Surface 24' & 30'					
	Total			8.38	\$620,000	\$8,380	\$628,380

2013-2018 Proposed Preventative Maintenance - Crack Seal Program

Project Key	100% OCRC Funds
	Township Funds

	Primary Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2013	Bauer Road	72nd Avenue to 56th Avenue	Blendon	2.02	\$12,120	\$404	\$12,524
	Lakewood Blvd.	Lakeshore Drive to River Avenue	Park	4.60	\$27,600	\$920	\$28,520
	96th Avenue	Riley Street to Van Buren Street	Zeeland	3.00	\$18,000	\$600	\$18,600
	Luce Street	26th Avenue to Kenowa Avenue	Tallmadge	5.48	\$32,880	\$1,096	\$33,976
			Total	15.85	\$95,100	\$3,170	\$98,270

	Local Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2013	Pierce Street	78th Avenue to 60th Avenue	Allendale	2.31	\$13,860	\$462	\$14,322
	Pingree Street	68th Avenue to west	Allendale	0.75	\$4,500	\$150	\$4,650
	78th Avenue	M-45 to Buchanan	Allendale	1.01	\$6,060	\$202	\$6,262
	84th Avenue	M-45 to Buchanan	Allendale	1.01	\$6,060	\$202	\$6,262
	Polk Street	120th Avenue to 96th Avenue	Olive	3.01	\$18,060	\$602	\$18,662
	Stanton Street	120th Avenue to 96th Avenue	Olive	3.00	\$18,000	\$600	\$18,600
	120th Avenue	Lincoln St. to Sleeper	Robinson	1.51	\$9,060	\$302	\$9,362
	128th Avenue	Rich St. to Lincoln Street	Robinson	1.52	\$9,120	\$304	\$9,424
	72nd Avenue	Riley Street to Chicago Drive	Zeeland	0.50	\$2,875	\$100	\$2,975
	Quincy Street	48th Avenue west	Zeeland	0.25	\$1,438	\$50	\$1,488
	68th Avenue	Roosevelt Street to Taft Street	Polkton	1.00	\$5,750	\$200	\$5,950
	64th Avenue	North of M-121	Zeeland	0.40	\$2,300	\$80	\$2,380
	76th Avenue	Perry Street to Byron Road	Zeeland	1.00	\$5,750	\$200	\$5,950
	Port Sheldon Street	44th Street to 14th Avenue	Georgetown	0.40	\$2,300	\$80	\$2,380
	24th Avenue	Bauer Road to Fillmore Street	Georgetown	1.00	\$6,000	\$200	\$6,200
	4th Avenue	Jackson Street to Barry Street	Georgetown	0.50	\$3,000	\$100	\$3,100
			Total	19.17	\$114,133	\$3,834	\$117,967

	Primary Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2014	Riley Street	Beeline Road to 120th Avenue	Holland	0.75	\$4,875	\$150	\$5,025
	28th Avenue	Baldwin Street to City	Georgetown	1.40	\$9,100	\$280	\$9,380
	Hayes Street	US-31 to 168th Avenue	Grand Haven	0.50	\$3,250	\$100	\$3,350
	8th Avenue	Hayes Street to Wilson Street	Wright	5.93	\$38,545	\$1,186	\$39,731
	Wilson Street	56th Avenue to 48th Avenue	Polkton	1.00	\$6,500	\$200	\$6,700
	Wilson Street	48th Avenue to 40th Avenue	Chester	1.00	\$6,500	\$200	\$6,700
			Total	10.58	\$68,770	\$2,116	\$70,886

2013-2018 Proposed Preventative Maintenance - Crack Seal Program

Project Key	100% OCRC Funds Township Funds
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	Local Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2014	52nd Avenue	Perry Street to Byron Road	Zeeland	1.00	\$6,500	\$200	\$6,700
	Fillmore Street	Hiawatha Drive to US-31	Grand Haven	2.22	\$14,430	\$444	\$14,874
	168th Avenue	Buchanan Street to Lincoln St.	Grand Haven	1.01	\$6,565	\$202	\$6,767
	Wilson Street	180th Avenue to US-31	Spring Lake	1.29	\$8,385	\$258	\$8,643
	Kelly Street	Fruitport Road to 144th Avenue	Spring Lake	1.00	\$6,500	\$200	\$6,700
	144th Avenue	Boom Road to Leonard Street	Crockery	1.08	\$7,020	\$216	\$7,236
	130th Avenue	M-104 to State Road	Crockery	1.02	\$6,630	\$204	\$6,834
	88th Avenue	Leonard Street to State Road	Polkton	3.96	\$25,740	\$792	\$26,532
	168th Avenue	James Street to Riley Street	Park	1.01	\$6,060	\$202	\$6,262
	72nd Avenue	I-196 to Riley Street	Zeeland	0.6	\$3,600	\$120	\$3,720
	Pierce Street	48th Avenue to 42nd Avenue	Allendale	0.76	\$4,560	\$152	\$4,712
	Jackson Street	8th Avenue to Kenowa	Georgetown	1.00	\$6,000	\$200	\$6,200
	Perry Street	160th Avenue to E	Park	0.50	\$3,000	\$100	\$3,100
	Van Wagoner Street	168th Avenue to W. Spring Lake	Spring Lake	0.76	\$4,560	\$152	\$4,712
	48th Avenue	Adams Street to Byron Road	Jamestown	2.02	\$12,120	\$404	\$12,524
	64th Avenue	Chicago Drive to New Holland St	Zeeland	1.21	\$7,260	\$242	\$7,502
	Bingham Street	96th Avenue to 88th Avenue	Blendon	1.06	\$6,360	\$212	\$6,572
	104th Avenue	Polk Street to Fillmore Street	Olive	1.98	\$11,880	\$396	\$12,276
Juniper Drive	32nd Avenue to 24th Avenue	Wright	1.42	\$8,520	\$284	\$8,804	
	Total			24.90	\$155,690	\$4,980	\$160,670

	Primary Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2015	Lincoln Street	US-31 to 152nd Avenue	Grand Haven	1.90	\$13,300	\$380	\$13,680
	Leonard Street	Lake Street to 148th Avenue	Spring Lake	1.90	\$13,300	\$380	\$13,680
	Lakewood/Douglas	River Avenue to 120th Avenue	Holland	1.90	\$13,300	\$380	\$13,680
	Byron Road	BL-196 to 64th Avenue	Zeeland	1.90	\$13,300	\$380	\$13,680
	48th Avenue	Chicago Drive to Bauer Road	Georgetown	4.80	\$33,600	\$960	\$34,560
	Lake Michigan Dr.	Lakeshore Dr. to US-31	Grand Haven	2.00	\$14,000	\$400	\$14,400
	20th Avenue	Baldwin Street N. 1/2 mile	Georgetown	0.50	\$3,500	\$100	\$3,600
	Apple Drive	144th Avenue to 112th Avenue	Crockery	5.10	\$35,700	\$1,020	\$36,720
	120th Avenue	Lakewood Blvd. to James Street	Holland	0.50	\$3,500	\$100	\$3,600
	Total			20.50	\$143,500	\$4,100	\$147,600

	Local Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2015	Coolidge Street	16th Avenue to Kenowa Avenue	Chester	2.22	\$15,540	\$444	\$15,984
	Roosevelt Street	8th Avenue to Kenowa Avenue	Wright	1.00	\$7,000	\$200	\$7,200
	40th Avenue	Arthur Street to Cleveland Street	Wright	1.00	\$7,000	\$200	\$7,200
	Dickinson Street	8th Avenue to Kenowa Avenue	Wright	1.00	\$7,000	\$200	\$7,200
	Roosevelt Street	40th Avenue to 24th Avenue	Wright	2.01	\$14,070	\$402	\$14,472
	32nd Avenue	Byron Road to County Line	Jamestown	3.02	\$21,140	\$604	\$21,744
	Johnson Street	48th Avenue to 24th Avenue	Tallmadge	3.00	\$21,000	\$600	\$21,600
	Ferris Street	168th Avenue to 152nd Avenue	Grand Haven	2.00	\$13,000	\$400	\$13,400
	James Street	160th Avenue to 152nd Avenue	Park	1.00	\$6,500	\$200	\$6,700
	84th Avenue	Van Buren St. to Port Sheldon	Blendon	1.00	\$6,500	\$200	\$6,700
	28th Avenue	Fillmore Street to north	Georgetown	0.35	\$2,275	\$70	\$2,345
	Perry Street	56th Avenue to 40th Avenue	Jamestown	2.00	\$13,000	\$400	\$13,400
	52nd Avenue	Perry Street to Byron Road	Zeeland	1.00	\$6,500	\$200	\$6,700
	36th Avenue	Port Sheldon Street to City	Georgetown	0.50	\$3,250	\$100	\$3,350
	76th Avenue	Perry Street south	Zeeland	0.30	\$2,100	\$60	\$2,160
	Total			21.40	\$145,875	\$4,280	\$150,155

2013-2018 Proposed Preventative Maintenance - Crack Seal Program

Project Key	100% OCRC Funds Township Funds
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	Primary Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2016	Comstock Street	Us-31 to 168th Avenue	Grand Haven	0.80	\$5,600	\$160	\$5,760
	68th Avenue	Leonard Street to I-96	Polkton	2.70	\$18,900	\$540	\$19,440
	Riley Street	120th Avenue to 112th Avenue	Holland	1.00	\$7,000	\$200	\$7,200
	Main Street	M-121 to Kenowa Avenue	Georgetown	0.30	\$2,100	\$60	\$2,160
	Butternut Drive	Lakewood Blvd. to Quincy St.	Holland	3.40	\$23,800	\$680	\$24,480
	8th Avenue	M-45 to Ironwood Drive	Tallmadge	4.00	\$28,000	\$800	\$28,800
	Van Buren/14th Ave.	22nd Avenue to 44th Street	Georgetown	2.00	\$14,000	\$400	\$14,400
	State Road	Fruitport Road to Apple Drive	Spring Lake	4.06	\$28,420	\$812	\$29,232
	Truman Street	Squires Road to Kenowa Avenue	Chester	6.00	\$42,000	\$1,200	\$43,200
	96th Avenue	City of Zeeland to Riley Street	Holland	0.50	\$3,500	\$100	\$3,600
Total				24.76	\$173,320	\$4,952	\$178,272

	Local Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2016	88th Avenue	BL-196 to Adams Street	Zeeland	1.54	\$10,780	\$308	\$11,088
	Mason Street	112th Avenue to 104th Avenue	Holland	0.99	\$6,930	\$198	\$7,128
	112th Avenue	Mason Street to Ottogan Street	Holland	0.50	\$3,500	\$100	\$3,600
	160th Avenue	Lakewood Blvd to New Holland	Park	3.62	\$25,340	\$724	\$26,064
	Stanton Street	Lakeshore Dr. to 146th Avenue	Port Sheldon	3.83	\$26,810	\$766	\$27,576
	Baldwin Street	1/2 mile W of 152nd to 144th	Port Sheldon	1.51	\$10,570	\$302	\$10,872
	West Spring Lake Rd.	City of Ferrysburg to Hemlock	Spring Lake	1.80	\$12,600	\$360	\$12,960
	8th Avenue	Byron Road to Riley Street	Jamestown	1.00	\$7,000	\$200	\$7,200
	42nd Avenue	Baldwin Street to Bauer Road	Georgetown	1.00	\$7,000	\$200	\$7,200
	Roosevelt Street	68th Avenue to 60th Avenue	Georgetown	1.00	\$7,000	\$200	\$7,200
	40th Avenue	Port Sheldon Street to City	Georgetown	0.70	\$4,900	\$140	\$5,040
	Perry Street	48th Avenue to 40th Avenue	Jamestown	1.00	\$7,000	\$200	\$7,200
	Total				18.49	\$129,430	\$3,698

	Primary Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2017	Taylor Street	96th Avenue to 72nd Avenue	Blendon	3.10	\$23,250	\$620	\$23,870
	144th Avenue	M-45 to Lincoln Street	Robinson	2.00	\$15,000	\$400	\$15,400
	Riley Street	112th Avenue to 100th Avenue	Holland	1.50	\$11,250	\$300	\$11,550
	24th Avenue	Byron Road to Ottogan Street	Jamestown	3.00	\$22,500	\$600	\$23,100
	12th Avenue	Port Sheldon Street to Baldwin	Georgetown	1.30	\$9,750	\$260	\$10,010
	8th Avenue	44th Avenue to Port Sheldon	Georgetown	0.50	\$3,750	\$100	\$3,850
	120th Avenue	Riley Street to Quincy Street	Holland	1.00	\$7,500	\$200	\$7,700
Total				12.40	\$93,000	\$2,480	\$95,480

2013-2018 Proposed Preventative Maintenance - Crack Seal Program

Project Key	100% OCRC Funds
	Township Funds

	Local Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2017	Dogwood Drive	Hickory to City Limits	Spring Lake	1.2	\$9,000	\$240	\$9,240
	James Street	168th Avenue to 160th Avenue	Park	1.00	\$7,500	\$200	\$7,700
	72nd Avenue	Adams Street to County Line	Zeeland	1.00	\$7,500	\$200	\$7,700
	Holly Drive	Blair Street to River	Port Sheldon	0.50	\$3,750	\$100	\$3,850
	Aninline Avenue	Douglas to James Street	Holland	1.00	\$7,500	\$200	\$7,700
	Beeline Road	Riley Street to Greenly Street	Holland	0.56	\$4,200	\$112	\$4,312
	Greenly Street	Beeline Road to 120th Avenue	Holland	0.35	\$2,625	\$70	\$2,695
	Rosewood Street	28th Avenue to 18th Avenue	Georgetown	1.24	\$9,300	\$248	\$9,548
	New Holland Street	120th Avenue to 96th Avenue	Olive	3	\$22,500	\$600	\$23,100
	Stanton Street	112th Avenue to 96th Avenue	Olive	2.00	\$15,000	\$400	\$15,400
	Tyler Street	US-31 to 112th Avenue	Olive	3.75	\$28,125	\$750	\$28,875
	Van Buren Street	Butternut Drive to US-31	PS/Olive	3.80	\$28,500	\$760	\$29,260
	Tyler Street	56th Avenue to 48th Avenue	Blendon	1.00	\$7,500	\$200	\$7,700
	Ransom Street	88th Avenue to 80th Avenue	Zeeland	1.00	\$7,500	\$200	\$7,700
	McClelland Street	16th Avenue to 8th Avenue	Georgetown	1.10	\$8,250	\$220	\$8,470
Barry Street	8th Avenue to Kenowa	Georgetown	1.00	\$7,500	\$200	\$7,700	
		Total		23.50	\$136,800	\$3,648	\$140,448

	Primary Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2018	72nd Avenue	Port Sheldon St. to Fillmore	Blendon	3.49	\$26,175	\$698	\$26,873
	Baldwin Street	28th Avenue to 20th Avenue	Georgetown	1.00	\$7,500	\$200	\$7,700
	Fillmore Street	48th Avenue to Taylor Street	Georgetown	4.48	\$33,600	\$896	\$34,496
	Mercury Drive	144th Avenue to Groesbeck	Grand Haven	0.75	\$5,625	\$150	\$5,775
	<i>Primary Roads</i>	<i>To Be Determined</i>	<i>Various</i>	<i>15.00</i>	<i>\$112,500</i>	<i>\$3,000</i>	<i>\$115,500</i>
		Total		24.72	\$185,400	\$4,944	\$190,344

	Local Road Name	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2018	New Holland Street	96th Avenue to 88th Avenue	Blendon	1.00	\$7,500	\$200	\$7,700
	56th Avenue	Polk Street to Fillmore Street	Blendon	2.00	\$15,000	\$400	\$15,400
	Groesbeck Street	152nd Avenue to Mercury Drive	Grand Haven	0.40	\$3,000	\$80	\$3,080
	James Street	152nd Avenue to Buttenut Drive	Park	1.81	\$13,575	\$362	\$13,937
	160th Avenue	Perry Street to Lakewood Blvd.	Park	0.50	\$3,750	\$100	\$3,850
	168th Avenue	Lakewood Blvd. to James Street	Park	0.50	\$3,750	\$100	\$3,850
	116th Avenue	Polk Street to Taylor Street	Olive	1.00	\$7,500	\$200	\$7,700
	Luce Street	48th Avenue to 42nd Avenue	Georgetown	0.76	\$5,700	\$152	\$5,852
	<i>Local Roads</i>	<i>To Be Determined</i>	<i>Various</i>	<i>15.00</i>	<i>\$112,500</i>	<i>\$3,000</i>	<i>\$115,500</i>
		Total		22.97	\$118,200	\$3,152	\$121,352

2013-2018 Proposed Bridge Improvements

Project Key	Allocated Funding
	Anticipated Local Bridge Funds
	100% OCRC Funds

	Bridge	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2013	West Spring Lake Road	Over Cornelius Bayou Rehabilitation	0.10	\$1,590,000	\$150,000	\$1,510,500	\$229,500
	Luce Street	Over Sand Creek Reconstruction (Replacement)	0.10	\$1,657,000	\$125,000	\$1,574,150	\$207,850
	*68th Avenue	Over Eastmanville Bayou	0.10	\$33,000	\$5,000	\$31,350	\$6,650
	*West Olive Road	Over Pigeon Creek	0.10	\$15,000	\$5,000	\$14,250	\$5,750
	*Adams Street	Over Black River Tributary	0.10	\$32,000	\$5,000	\$30,400	\$6,600
	*Hayes Street	Over Sand Creek Tributary	0.10	\$21,000	\$5,000	\$19,950	\$6,050
	*Arthur Street	Over Sand Creek	0.10	\$22,000	\$5,000	\$20,900	\$6,100
	* preventative maintenance						
Total			0.70	\$3,370,000	\$300,000	\$3,201,500	\$468,500

	Bridge	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2014	Various Bridges	Preventative Maintenance	0.10	\$100,000	\$5,000	\$0	\$105,000
Total			0.10	\$100,000	\$5,000	\$0	\$105,000

	Bridge	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2015	State Road	Over N Branch of Crockery Creek Reconstruction (Replacement)	0.10	\$990,000	\$60,000	\$940,500	\$109,500
	Quincy Street	Over Black Creek - PM	0.10	\$40,000	\$5,000	\$38,000	\$7,000
	96th Avenue	Over Bass Creek - PM	0.10	\$58,000	\$5,000	\$55,100	\$7,900
	Adams Street	Over Black Creek - PM	0.10	\$55,000	\$5,000	\$52,250	\$7,750
Total			0.10	\$990,000	\$60,000	\$940,500	\$132,150

	Bridge	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2016	96th Avenue	Over Black River Tributary Reconstruction (Replacement)	0.10	\$1,275,000	\$120,000	\$1,211,250	\$183,750
Total			0.10	\$1,275,000	\$120,000	\$1,211,250	\$183,750

	Bridge	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2017	Byron Road	Over Macatawa River Rehabilitation	0.10	\$931,000	\$85,000	\$884,450	\$131,550
Total			0.10	\$931,000	\$85,000	\$884,450	\$131,550

	Bridge	Project Limits	Miles	Estimate	Engineering	STP	OCRC
2018	Various Bridges	Preventative Maintenance	0.10	\$150,000	\$5,000	\$143,000	\$12,000
	Various Bridges	Preventative Maintenance	0.10	\$100,000	\$5,000	\$0	\$105,000
	Total			0.20	\$250,000	\$10,000	\$143,000

2013-2018 Proposed Culvert & Drainage Improvements

Project Key	100 % OCRC Funds
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	Road Name	Project Limits	Township	Surface	Estimate	Engineering	OCRC
2013	Port Sheldon Street	140 feet South of Main Street Replace with 14' x 8' Box Culvert	Georgetown	Paved	\$125,000	\$6,250	\$131,250
	Adams Street	600 feet East of 72nd Avenue Replace with 117"x79" Alum CMP	Zeeland	Paved	\$40,000	\$2,000	\$42,000
	Miscellaneous						\$100,000
	Total					\$165,000	\$8,250

	Road Name	Project Limits	Township	Surface	Estimate	Engineering	OCRC
2014	16th Avenue	130 feet South of Quincy Street Replace with 16' x 7' Box Culvert	Jamestown	Paved	\$125,000	\$6,250	\$131,250
	Leonard Road	West of 68th Avenue Replace with 8' Concrete Pipe	Polkton	Paved	\$45,000	\$2,250	\$47,250
	Miscellaneous						\$100,000
	Total					\$170,000	\$8,500

	Road Name	Project Limits	Township	Surface	Estimate	Engineering	OCRC
2015	64th Avenue	South of Taft Street Replace with 14' x 6' Box Culvert	Polkton	Paved	\$110,000	\$5,500	\$115,500
	Miscellaneous						\$100,000
	Total					\$110,000	\$5,500

	Road Name	Project Limits	Township	Surface	Estimate	Engineering	OCRC
2016	Leonard Road	965' West of 74th Avenue Replace with 60" Concrete Pipe	Polkton	Paved	\$35,000	\$1,750	\$36,750
	Van Buren Street	West of 40th Avenue Replace with 11' x 8' Concrete Box	Georgetown	Paved	\$110,000	\$5,500	\$115,500
	Miscellaneous						\$100,000
	Total					\$145,000	\$7,250

	Road Name	Project Limits	Township	Surface	Estimate	Engineering	OCRC
2017	144th Avenue	2600' North of Quincy Street Replace with Triple 8' Con. Pipe	Holland	Paved	\$150,000	\$7,500	\$157,500
	Miscellaneous						\$100,000
	Total					\$150,000	\$7,500

	Road Name	Project Limits	Township	Surface	Estimate	Engineering	OCRC
2018	104th Avenue	North of Garfield Street Replace with 8' Concrete Pipe	Crockery	Paved	\$45,000	\$2,250	\$47,250
	Miscellaneous						\$200,000
	Total					\$45,000	\$2,250

2013-2018 Proposed Gravel Road Improvements

Project Key	100% OCRC Funds
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	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2014	Luce Street	Fennessy Drive to Kenowa	Tallmadge	0.90	\$22,500	\$1,125	\$23,625
	Taft Street	30th Avenue to 24th Avenue	Wright	0.75	\$18,750	\$938	\$19,688
	124th Avenue	Ransom Street to New Holland	Holland	0.54	\$13,500	\$675	\$14,175
	88th Avenue	Port Sheldon to Baldwin Street	Blendon	1.53	\$38,250	\$1,913	\$40,163
	128th Avenue	Port Sheldon to Van Buren	Olive	1.00	\$25,000	\$1,250	\$26,250
	168th Avenue	M-45 to Pierce Street	Grand Haven	0.90	\$22,500	\$1,125	\$23,625
	130th Avenue	Taft Street to Hickory Street	Crockery	0.52	\$13,000	\$650	\$13,650
	112th Avenue	M-45 to Fillmore Street	Robinson	2.03	\$50,750	\$2,538	\$53,288
	12th Avenue	Taylor Street North	Georgetown	0.74	\$18,500	\$925	\$19,425
	Greenly Street	48th Avenue to 32nd Avenue	Jamestown	1.90	\$47,500	\$2,375	\$49,875
	68th Avenue	Riley Street South	Zeeland	0.49	\$12,250	\$613	\$12,863
	Total			11.30	\$282,500	\$14,125	\$296,625

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2015	74th Avenue	M-45 to Buchanan Street	Allendlae	0.92	\$23,000	\$1,150	\$24,150
	Hayes Street	68th Avenue to 60th Avenue	Polkton	1.02	\$25,500	\$1,275	\$26,775
	Riley Street	Lakeshore Drive West	Park	0.16	\$4,000	\$200	\$4,200
	Stanton Street	Lakeshore Drive West	Port Sheldon	0.25	\$6,250	\$313	\$6,563
	Various Streets	To Be Determined					\$100,000
	Total			2.35	\$58,750	\$2,938	\$161,688

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2017							
	Various Streets	To Be Determined					\$200,000
		Total			0.00	\$0	\$0

	Local Road	Project Limits	Township	Miles	Estimate	Engineering	OCRC
2018							
	Various Streets	To Be Determined					\$100,000
		Total			0.00	\$0	\$0