

# 2024 Budget and Annual Update



Kent County  
Road Commission





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# Kent County Road Commission

Working to Keep  
Kent County Moving  
Since 1911

## WHO WE ARE



2ND LARGEST  
road commission  
in Michigan

21 TOWNSHIPS  
KCRC service area

670,000+  
RESIDENTS

OVER  
260  
EMPLOYEES

fleet of 260+  
VEHICLES,  
including over 100  
plow trucks deployed  
from 4 complexes

## OUR NETWORK



OVER 160  
BRIDGES

100% rated in  
good/fair condition

NEARLY  
2,000  
COUNTY  
ROAD MILES  
representing nearly  
4,200 lane miles



OVER 430 MILES

of state & interstate highway  
miles for MDOT (representing  
over 1,100 lane miles)

## WHAT WE DO



### Traffic and Safety

Continually analyzes  
traffic to improve safety  
and reduce congestion;  
maintains 120+ traffic  
signals and 30,000+  
traffic signs

### Construction and Preservation

Scheduled to improve over  
1,200 lane miles by 2025

### Routine Maintenance

Over 200,000 hours dedicated to  
year-round activities that maintain  
and protect the roadway

### Winter Maintenance

Servicing 5,300 lane miles of road –  
targeting one pass of the network  
within 36 hours of a storm's completion

## HOW WE DO IT



### Responsive to the Community:

Delivering value-driven service to meet the needs of those  
we serve.



### Fiscally Responsible:

100% of funding comes  
from fuel tax, registration fees, grants and project cost  
sharing (no county general funds or property tax revenue).  
Pension and OPEB fully funded in 2018.



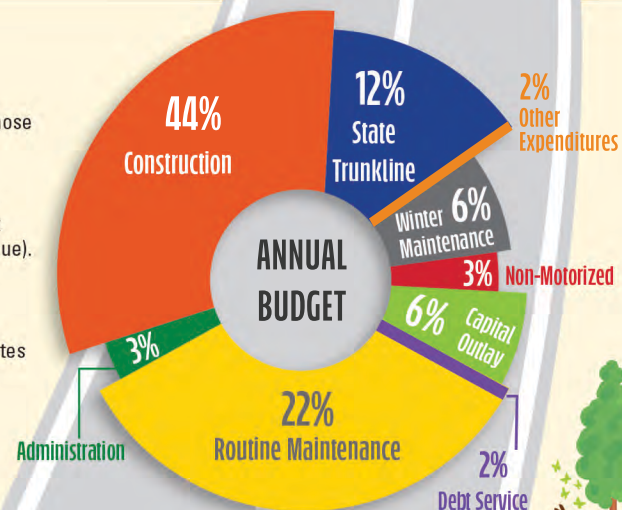
### Strategic Planning:

Organizational objectives  
drive performance measures; Long Range Plan translates  
organization's vision into action.



### Collaboration and Coordination:

Partnerships at the local, regional and state level  
enhance efficiencies and improve services.





**Rob VerHeulen** was appointed to the Board of the Kent County Road Commission in 2019 and currently serves as chair, having previously served as vice chair from 2020 to 2022. Commissioner VerHeulen formerly served three terms in the Michigan House of Representatives, during which he chaired the Michigan House Appropriations Subcommittee on Transportation from 2013 to 2014. He also served as mayor of Walker, Michigan, from 2001 to 2012 and represented Walker on the Grand Valley Metropolitan Council, Urban Cooperation Board, Interurban Transit Partnership Board, and West Michigan Sports Commission. Before taking public office, Commissioner VerHeulen worked as an attorney for Meijer Inc. and most recently as the Vice President and Deputy General Counsel to The Meijer Foundation. He has served on several boards for non-profit and philanthropic organizations including Mel Trotter Ministries, the Gerald R. Ford Boy Scouts Council, Plymouth Christian Schools, and the Christian Rest Home. Commissioner VerHeulen attended Grand Rapids Community College and graduated from the University of Michigan, receiving his juris doctorate from Wayne State University.



**David J. Morren** was appointed to the Board of the Kent County Road Commission in 2014 and has served as vice chair since 2021. Previously, Commissioner Morren served on the Kent County Board of Commissioners for 14 years, serving three years as chair and sitting on various public boards during his tenure. Commissioner Morren is the owner of Insignia Homes and has served as elder and deacon of his church.



**Cynthia Porter Janes** was appointed to the Board of the Kent County Road Commission in 2015 and served as vice chair from 2017 to 2019. Commissioner Janes is a vice president and A/E civic market leader at Fishbeck. Commissioner Janes serves as the vice chair of the Kent County Board of Public Works and trustee of the Grand Rapids Public Museum. Previously, Commissioner Janes served on the GVMC board (five years on the Executive Committee); the Cascade Township Planning Commission, and as a township trustee, elected to the Cascade Township Board.





**Dave Medema** was appointed to the Board of the Kent County Road Commission in 2017. Commissioner Medema is owner of Medema Consulting Associates LLC, which was established in 1999, and has served as a board member of the Michigan League for Public Policy. Commissioner Medema has also been a member of the City of Grand Rapids Community Relations Commission, Board of Zoning Appeals and Community Development Citizens Committee. Commissioner Medema is a graduate of Calvin University, has a Master of Social Work degree from Arizona State University and studied at New Brunswick Theological Seminary. He is a certified coach and trainer for the Right Use of Power Institute in Boulder, Colorado. An avid bicyclist, Commissioner Medema proudly completed a ride from San Francisco, California, to Grand Rapids in 2011.



**Roger Morgan** was appointed to the Board of the Kent County Road Commission in 2023. Currently, Commissioner Morgan serves as vice chair of the Gerald R. Ford International Airport Authority Board and recently concluded his 22-year tenure on the Kent County Board of Commissioners representing District 2. During that time, he served as chair from 2006 – 2009, vice chair from 2003 – 2005, chair of the Finance Committee from 2003 – 2005, and chair of Executive Committee. Commissioner Morgan was the CEO of Rockford Ambulance for nearly 40 years, overseeing the company's national accreditation, and holds a bachelor's degree in business administration from Grand Valley State University. Commissioner Morgan has also served on numerous boards and committees, including the County Dispatch Authority, Fire Commission, County Township Liaison, Public Works Board, Pension Board, Community Mental Health Authority Board, Grand Valley Metro Council, and ACSET Board.

## **Managing Director**



**Jerry Byrne** has over 40 years of experience at KCRC and was named managing director in October 2023. Prior to his current position, Mr. Byrne oversaw KCRC's maintenance division and local road construction for over 20 years. Throughout his tenure, Mr. Byrne has fostered relationships with the Michigan Department of Transportation, Kent County Emergency Response, townships, and neighboring jurisdictions, playing a pivotal role in resource planning and coordination during emergency response and collaborative road maintenance initiatives. Mr. Byrne serves on the Board of Directors of the County Road Association of Michigan (CRA) and is a member of CRA's State Trunkline Negotiating Committee. He holds a Bachelor of Science degree in Business Administration from Aquinas College.



## Kent County Road Commission

November 2023

KCRC's success is underscored by a shared mission to enhance the transportation infrastructure throughout Kent County, and it is because of a collective commitment by our local, state, and federal partners that we can maintain, improve, and preserve our 2,000-mile county road network.

As I reflect on this past year and look ahead to 2024, it becomes increasingly clear that KCRC's continued success fuses seasoned experience with a forward-thinking approach to innovation. It is our staff and crew members who deserve special recognition for their unwavering commitment to the daily activities that serve as the backbone of our operations.

Effective leadership is also integral to success. For the last decade, Steve Warren steered this team, providing expert guidance until his recent retirement from the position of managing director. Steve's leadership not only drove our achievements but also left a profound impact on road agencies across the state. We are deeply appreciative of his invaluable tenure.

It is now my privilege to welcome Jerry Byrne as KCRC's new managing director. With over 40 years of experience at KCRC, Jerry has overseen the maintenance division and local road construction for more than two decades. Jerry has been pivotal to ensuring that our routine operations and emergency response align with KCRC's overarching strategic plan, and his leadership has facilitated relationships that have, in turn, led to enhanced services for our residents and road users.

Two such relationships include KCRC's indispensable partnerships with the county and its townships. Notably, in 2023, Kent County awarded KCRC an \$8.5 million ARPA grant. This initial investment was subsequently doubled through the effective utilization of KCRC's cost-sharing program with townships. As a result of township contributions, this collaboration will translate to \$17 million in road improvements over the next two years.

In 2023, alongside the transition of leadership, KCRC also relocated its Central Complex from 1500 Scribner Avenue in Grand Rapids to 1900 4 Mile Road NW in Walker. The new 29-acre complex expands facilities for field operations, equipment maintenance, and material storage while maximizing employee safety and energy efficiency. After nearly a century at the Scribner site, 1900 4 Mile Road will ensure the road commission has the infrastructure needed to continue our legacy for the next 100 years.

Finally, I wish to acknowledge our county residents and road users for their steadfast support of KCRC. We are extremely proud of the work we accomplish and prouder, still, of the community we serve.

The road commissioners and I are available and ready to address any questions or comments regarding the enclosed information.

**Rob VerHeulen**  
Chair

*Working to Keep Kent County Moving*

1900 4 Mile Road NW, Walker, MI 49544 | (616) 242-6900 | [kentcountyroads.net](http://kentcountyroads.net)



## Kent County Road Commission

November 2023

We are pleased to present the 2024 Budget and Five-year Improvement Plan of the Kent County Road Commission (KCRC). This document outlines KCRC's strategy for the effective allocation of resources to maintain, improve and preserve the nearly 2,000 miles along our county road network.

Reflecting on 2023, it is clear that our achievements were the direct result of teamwork and collaboration, with our dedicated employees forming the backbone of all we accomplished. In total, KCRC completed 430 lane miles of improvements, constituting roughly 10 percent of the county road network.

Our local partners played a critical role in the gains made, and we applaud each of the 21 townships for their contributions to the annual cost-share program. Together, our joint investment resulted in the enhancement of 260 local lane miles, contributing to the ongoing improvement of the overall surface condition ratings of our network's local roads.

Supplementing KCRC's 2023 budget was \$8.5 million in ARPA grant funding awarded by Kent County. When coupled with township and additional KCRC investment, this grant award will facilitate \$17 million-worth of road improvements between 2023 and 2024, with \$13 million dedicated to local roads and \$4 million to primary roads.

The ARPA grant award helped fund one of 2023's major primary road projects: the reconstruction to all-season standard of 10 Mile Road, between Pine Island Drive and Algoma Avenue. This project was among the 44 lane miles of primary road reconstruction accomplished in 2023. In total, KCRC's primary roads received over 170 lane miles of improvements.

Successfully concluding in 2023 was also the construction of the new Central Complex at 1900 4 Mile Road NW in Walker, and KCRC's sound financial management positioned us well to accommodate the financial impact of the capital project. Notably, KCRC proudly maintains fully funded pension and OPEB since 2018, and the operational efficiencies, sustainable practices, and energy savings realized at the new facility will yield dividends well into the future.

Turning our focus to the future, KCRC is anticipating a funding shortfall. The surge in electric vehicle purchases, coupled with increased fuel efficiency standards, has led to a mounting reduction in revenue generated through fuel taxes. Consequently, this has diminished the overall funds in the Michigan Transportation Fund (MTF), which is KCRC's primary funding source. As MTF funds struggle to keep pace with rising inflation and the escalating cost of doing business, road agencies like KCRC must modify their annual programs. Moving forward, KCRC plans to adjust its primary road improvement program by scheduling fewer high-cost reconstruction projects and prioritizing resurfacing and preservation treatments. This strategic shift aims to maximize the total number of road miles receiving some form of improvement across the county.

The achievements of our organization hinge significantly on the positive relationships fostered with township, county, and state partners. We look forward to sustaining and strengthening these partnerships, including collaborating with our state legislators for a viable, long-term funding solution for the benefit of our shared infrastructure and the community we collectively serve.

Please do not hesitate to contact me should you have questions pertaining to the information presented in this document or regarding KCRC's overall operations.

  
**Jerry Byrne**  
Managing Director

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### **RECONSTRUCTION**

#### **100th Street – East Paris Avenue to Patterson Avenue**

Reconstructed to 2-lane all-season standard. Work included tree removal, earthwork, ditches, culvert replacement, HMA pavement, pavement markings and restoration.

#### **84th Street – Hanna Lake Avenue to East Paris Avenue**

Reconstructed to 2-lane all-season standard. Work included tree removal, earthwork, ditches, culvert replacement, HMA pavement, pavement markings and restoration.

#### **Cascade Road – 36<sup>th</sup> Street to Whitneyville Avenue**

Widened existing 2-lane roadway to 3-lane all-season. Work included earthwork, concrete pavement removal, realignment of Whitneyville Avenue, concrete curb and gutter, leaching storm sewer, HMA pavement, HMA Trail extension (Cascade Township), pavement markings and restoration.

#### **10 Mile Road – Pine Island Drive to Algoma Avenue**

Reconstructed to 2-lane all-season standard. Work included tree removal, earthwork, ditches, culvert replacement, water main (Plainfield Twp), HMA pavement, pavement markings and restoration.

#### **Full depth pavement removal and HMA replacement:**

- **Ada Drive** – Forest Hill Avenue to Spaulding Avenue
- **Buttrick Avenue** – Grand River Drive to Thornapple River Drive
- **Division Avenue** – 6 Mile Road to 7 Mile Road
- **Grand River Drive** – Buttrick Avenue to Snow Avenue
- **Northland Drive** – 12 Mile Road to 14 Mile Road

#### **Crush and shape existing pavement and HMA replacement:**

- **84th Street** – Wingier Avenue to Freeport Avenue
- **Coit Avenue** – Rifle Range to Hunsberger Avenue
- **Honey Creek Avenue** – Knapp Street to 4 Mile Road
- **Parnell Avenue/Settlewood Drive** – M-21 (Fulton Street) to Foremen Street

#### **Full depth pavement removal and HMA replacement:**

- **Eastern Avenue** – 76<sup>th</sup> Street to 68<sup>th</sup> Street
- **Reeds Lake Boulevard** – Hall Street to Manhattan Road



## **RESURFACING**

- **North County various locations** – spot mill and fill
- **South County various locations** – spot mill and fill

## **SAFETY**

### **84th Street and Kalamazoo Avenue Roundabout**

Constructed single lane roundabout with concrete curb and gutter, 8-foot concrete sidewalk and ramps, asphalt paving, drainage, street lighting and restoration.

### **Cedar Springs Avenue and Northland Drive**

Realigned the existing intersection to provide better turning radii and increased separation to the 18 Mile Road intersection. Removed concrete pavement in Northland Drive and widened to 3-lanes south of Cedar Springs Avenue. Reconstructed a portion of the White Pine Trail.

### **Courtland Drive at Wolverine Boulevard**

Widened to provide a right-turn lane for westbound Courtland to northbound/southbound Wolverine traffic.

## **BRIDGE AND CULVERTS**

### **Tyrone Bridge #21 – 18 Mile Road over the Rogue River**

Bridge replacement project included removing the existing concrete deck, steel beams, and abutments and installing new abutments, galvanized steel beams and reinforced concrete deck and railing, approach work, guardrail, and restoration.

### **Oakfield Bridge #9 – McClain Avenue over Chain of Lakes**

Culvert replacement project included removing the existing twin galvanized steel pipe arches and installing in-kind twin galvanized steel pipe arches with protective coating.

### **Plainfield Bridge #12 – Packer Drive over the Rogue River**

Concrete box beam spot replacement, post tensioning and guardrail upgrades.

	<b>2022 Actual</b>	<b>2023 Amended Budget</b>	<b>2024 Budget</b>	<b>Attachment</b>
<b>Revenue</b>				
Michigan Transportation Funds (MTF)	\$ 58,510,999	\$ 61,199,208	\$ 62,894,545	
Federal and State Grants				
Motorized	7,136,055	9,220,035	9,203,341	A
Non-Motorized	137,199	-	1,614,985	
State Trunkline contract	13,593,165	14,000,000	13,000,000	
Local Government Contributions				
Road Projects	5,801,988	8,272,713	7,008,000	
Non-Motorized	155,788	130,000	1,791,547	A
Services Provided	2,236,254	2,000,000	2,000,000	
Sale of Capital Assets and salvage	763,661	8,150,000	500,000	
Property Rental	81,512	45,000	-	
Refunds	84,526	-	-	
Donations	76,439	-	-	
Interest	255,630	400,000	400,000	
Bond Proceeds	21,998,218	-	-	
ARPA	-	6,375,000	2,125,000	
<b>Total Revenue</b>	<b>110,831,433</b>	<b>109,791,956</b>	<b>100,537,418</b>	
<b>Expenditures</b>				
Primary Roads				
Reconstruction	13,980,163	21,218,610	17,403,000	
Resurfacing	553,761	2,050,000	1,050,000	
Preservation	3,128,858	4,250,000	5,500,000	
Safety	2,646,980	4,662,027	4,330,332	
Bridges and Culverts	1,794,876	1,835,000	3,740,000	
Total Primary Roads	<b>22,104,638</b>	<b>34,015,637</b>	<b>32,023,332</b>	A
Local Roads				
Reconstruction	5,171,440	5,600,000	10,000,000	
Resurfacing	3,217,320	6,000,000	2,000,000	
Preservation	7,883,753	6,400,000	4,000,000	
Safety	683,809	700,000	700,000	
Bridges and Culverts	187,342	1,500,000	500,000	
Total Local Roads	<b>17,143,664</b>	<b>20,200,000</b>	<b>17,200,000</b>	
Routine Maintenance				
State	9,688,229	9,700,000	9,000,000	
Primary	6,585,179	7,986,375	7,536,375	B
Local	10,646,441	13,757,125	12,907,125	B
Total Routine Maintenance	<b>26,919,850</b>	<b>31,443,500</b>	<b>29,443,500</b>	
Winter Maintenance				
State	3,904,935	4,300,000	4,000,000	
Primary	2,274,296	2,550,000	3,150,000	
Local	2,085,198	2,150,000	3,150,000	
Total Winter Maintenance	<b>8,264,430</b>	<b>9,000,000</b>	<b>10,300,000</b>	
Non-Motorized	242,307	130,000	3,406,532	A
Equipment Operations	2,019,866	750,000	750,000	
Capital Outlay				
Buildings	25,294,089	13,977,000	115,000	C
Equipment	2,935,664	9,447,500	6,408,800	C
Depreciation	(4,434,221)	(5,500,000)	(6,500,000)	
Services Provided	1,705,687	1,200,000	1,000,000	
Administration	3,350,848	3,250,000	3,500,000	D
Debt Service	2,568,056	2,317,900	2,317,900	
<b>Total Expenditures</b>	<b>108,114,880</b>	<b>120,231,537</b>	<b>99,965,064</b>	
Revenues Over (Under) Expenditures	2,716,553	(10,439,581)	572,353	
Fund Balance, Beginning of Year	29,276,755	31,993,308	21,553,727	
Projected Fund Balance, End of Year	<b>\$ 31,993,308</b>	<b>\$ 21,553,727</b>	<b>\$ 22,126,080</b>	
			-	Committed
			22,126,080	Unassigned

Category	Road	Limits	Miles	Lane Miles	Improvement	Source of Funds			Project Total
						KCRC	Federal/State	Local	
Reconstruction									
Expansion/All-Season									
68th St.	Thornapple River Dr. south to Whitneyville Ave		1.0	2.0	All-Season	\$ 2,160,000			\$ 2,160,000
100th St.	Patterson Ave. to Kraft Ave.		1.2	2.4	All-Season	626,500	1,511,000		2,137,500
84th St.	East Paris Ave. to Patterson Ave.		1.0	2.0	All-Season	849,705	1,025,295		1,875,000
84th St.	Kraft Ave. to M-37		0.8	1.6	All-Season	547,590	1,052,410		1,600,000
68th St.	Kraft Ave. to Cherry Valley Ave.		1.0	3.0	All-Season + Trail	562,000	1,228,000	60,000	1,850,000
Full Depth Pavement									
Patterson Ave.	North and south of 36th St.		0.2	1.0	Resurface	324,200	725,800		1,050,000
West River Dr.	Lamoreaux Dr. to Pine Island Dr.		1.0	4.8	Resurface	416,000	739,000		1,155,000
Leffingwell Ave.	Leonard St. to Knapp St.		0.5	1.5	Resurface	71,550	181,450	230,000	483,000
60th St.	Eastern Ave. to Kalamazoo Ave.		0.9	3.6	Resurface 4 lanes to 3	275,000	880,000		1,155,000
Crush & Shape	Various Locations		6.0	13.2	Resurface	2,100,000			2,100,000
Mill & Fill	Various Locations		5.0	11.0	Resurface	1,837,500			1,837,500
Total Reconstruction			18.6	46.1		9,770,045	7,342,955	290,000	17,403,000
Resurfacing									
Overlays	Various Locations		6.0	13.2	Resurface	1,050,000			1,050,000
Preservation									
Surface Treatments	Various Locations		55.0	121.0	Sealcoat and Micro Surface	4,000,000			4,000,000
Thin Overlays			12.0	26.4		1,500,000			1,500,000
Total Preservation			67.0	147.4		5,500,000	-	-	5,500,000
Safety									
4 Mile Rd.	at Walker Ave.				Realignment/Signal	516,800		218,000	734,800
Peach Ridge Ave.	at M-37				Turn Lane	165,000			165,000
84th St.	at M-37 / Broadmoor Ave.				Turn Lanes	97,573	260,193		357,766
Cherry Valley Ave.	at M-37 / Broadmoor Ave.				Turn Lanes	97,573	260,193		357,766
Various Locations					Capacity / Safety Improvement	715,000			715,000
Total Safety						1,591,946	520,386	218,000	2,330,332
Bridges and Culverts									
Plainfield Bridge #16	Rogue River Dr. over the Rogue River				Rehabilitation	935,000			935,000
Plainfield Bridge #25	West River Dr. over the Rogue River				Preventative Maintenance	75,000	200,000		275,000
Grand Rapids Bridge #16	Crahen Ave. over GR eastern RR				Rehabilitation	180,000	1,140,000		1,320,000
Preventive Maintenance	Various Locations					1,210,000			1,210,000
Total Bridges						2,400,000	1,340,000	-	3,740,000
Non-Motorized									
Coit Ave.	4 Mile Rd. to Woodworth St.				Sidewalk		140,000	190,000	330,000
Crahen Valley Trail	Leonard St. to Knapp Ct.				HMA Trail		1,474,985	1,601,547	3,076,532
Total Non-Motorized						-	1,614,985	1,791,547	3,406,532
Total Primary Projects			91.6	206.7		\$ 20,311,991	\$ 10,818,326	\$ 2,299,547	\$ 33,429,864

\*ARPA Project



<b>Primary</b>			
<b>Description</b>	<b>2022 Actual</b>	<b>2023 Amended Budget</b>	<b>2024 Budget</b>
Adopt-a-Road Expenses	8,751	15,000	14,155
Crack sealing	58,575	200,000	188,731
Drainage And Backslopes	1,632,433	2,000,000	1,887,308
Grass And Weed Control	484,577	500,000	471,827
Guard Rail & Posts	7,789	80,000	75,492
Other routine maintenance	3,185	35,000	33,028
Restoration	34,110	75,000	70,774
Roadside Cleanup	82,486	91,375	86,226
Shoulder Maintenance	188,455	525,000	495,418
Supervision	616,055	700,000	660,558
Surface Maintenance	1,965,857	1,900,000	1,792,943
Sweeping And Flushing	137,829	150,000	141,548
Trees And Shrubs	1,284,473	1,700,000	1,604,212
Weight Limit Signing	10,905	15,000	14,155
<b>Total Primary</b>	<b>\$ 6,515,479</b>	<b>\$ 7,986,375</b>	<b>\$ 7,536,375</b>

<b>Local</b>			
<b>Description</b>	<b>2022 Actual</b>	<b>2023 Amended Budget</b>	<b>2024 Budget</b>
Adopt-a-Road Expenses	4,865	10,000	9,382
Crack sealing	18,093	100,000	93,821
Drainage And Backslopes	2,320,850	3,300,000	3,096,106
Dust Control	312,363	500,000	469,107
Grass And Weed Control	392,078	500,000	469,107
Guard Rail & Posts	19,142	40,000	37,529
Other routine maintenance	11,850	47,125	44,213
Restoration	222,550	300,000	281,464
Roadside Cleanup	42,655	50,000	46,911
Shoulder Maintenance	197,001	375,000	351,830
Supervision	722,777	1,000,000	938,214
Surface Maintenance	4,505,949	5,000,000	4,691,069
Sweeping And Flushing	10,466	20,000	18,764
Trees And Shrubs	1,853,340	2,500,000	2,345,535
Weight Limit Signing	12,463	15,000	14,073
<b>Total Local</b>	<b>\$ 10,646,441</b>	<b>\$ 13,757,125</b>	<b>\$ 12,907,125</b>

	<b>Unit Cost</b>	<b>2024 Budget</b>
Buildings		
Replace overhead doors at North		\$ 35,000
Wash and paint garage at Southwest		80,000
<b>Total Buildings</b>		<b>\$ 115,000</b>
Plow Trucks		
Five Axle Truck		
1 Chassis, hydraulics	221,000	221,000
1 Live bottom box	91,000	91,000
1 Underbody scraper	15,500	15,500
1 Labor	25,000	25,000
Tri-Axle Truck		
1 Chassis, hydraulics	218,000	218,000
1 Dump box	45,000	45,000
1 Underbody scraper	15,500	15,500
1 Labor	5,500	5,500
Tandem Axle Trucks		
3 Chassis, hydraulics	208,000	624,000
3 Dump box	40,000	120,000
3 Underbody scraper	15,500	46,500
3 Wings	11,000	33,000
3 Labor	20,000	60,000
Single Axle Trucks		
7 Chassis, hydraulics	188,000	1,316,000
7 Dump box	35,000	245,000
7 Underbody scraper	15,500	108,500
7 Wing	8,900	62,300
7 Labor to complete trucks	20,000	140,000
2 Box with conveyor	60,000	120,000
3 Under tailgate spreader	8,000	24,000
<b>Total Plow Trucks</b>		<b>3,535,800</b>
Heavy Equipment		
2 Tractors	100,000	200,000
2 Side mower attachment	50,000	100,000
2 Rear mower attachment	22,000	44,000
1 Forestry head	25,000	25,000
1 Mini excavator - quick coupler	20,000	20,000
1 Trench paver	25,000	25,000
1 40,000 lb trailer	50,000	50,000
1 100,000 lb trailer	100,000	100,000
1 Tack trailer	25,000	25,000
2 Mastic machine	90,000	180,000
1 Hot rubber machine	79,000	79,000
1 Tar distributor	350,000	350,000
1 Roller	65,000	65,000
1 Chipper	132,000	132,000
2 Mowers	20,000	40,000
1 Push-off broom	80,000	80,000
<b>Total Heavy Equipment</b>		<b>1,515,000</b>
Small Equipment		
Shop Tools		30,000
<b>Total Small Equipment</b>		<b>30,000</b>
Work Trucks		
2 1 ton truck DRW, reg. cab, dump	82,000	164,000
2 1 ton truck DRW, crew cab, flat bed	70,000	140,000
1 1 ton truck SRW, ext. cab, 4x4, box, plow	64,000	64,000
6 3/4 ton truck, ext. cab, 4x4, lift gate	60,000	360,000
1 Plow	9,000	9,000
1 1/2 ton truck, ext. cab, 4x4 (road patrol)	58,000	58,000
1 Van (work crew)	60,000	60,000
1 1/2 ton truck, ext. cab, 4x2	45,000	45,000
6 1/2 ton truck, 4x4	60,000	360,000
2 Cars	34,000	68,000
		<b>1,328,000</b>
<b>Total Equipment</b>		<b>\$ 6,408,800</b>

	<b>2022 Actual</b>	<b>2023 Amended Budget</b>	<b>2024 Budget</b>
Advertising	\$ 11,358	\$ 20,000	\$ 20,000
Depreciation	68,069	55,000	55,000
Equipment Rental	46,163	50,000	50,000
Information Technology	100,011	250,000	250,000
Insurance	493,805	100,000	350,000
Personnel Costs	2,049,768	2,200,000	2,200,000
Professional Services	150,826	215,000	215,000
Repairs and Maintenance	68,387	100,000	100,000
Supplies	165,160	175,000	175,000
Training and Travel	42,084	50,000	50,000
Utilities	150,625	140,000	140,000
Handling Charges on Materials Sold	(89,795)	(100,000)	(100,000)
Purchase Discounts	(2,611)	(5,000)	(5,000)
<b>Total Administration</b>	<b>\$ 3,253,849</b>	<b>\$ 3,250,000</b>	<b>\$ 3,500,000</b>





**RECONSTRUCTION**

**68th Street – East of Thornapple River Drive (south) to Whitneyville Avenue**

Reconstruct to 2-lane all-season. Work includes tree removal, earthwork, ditches, culvert replacement, HMA pavement, pavement markings and restoration. Through traffic will be detoured. Tree removal by March 31, 2024. Planned start mid-April 2024.

**68th Street – between Kraft Avenue and Cherry Valley Avenue**

Widen existing 2-lane portion to 3 lanes. Remove underlying concrete pavement and reconstruct portion of existing 3-lane to all-season. Work includes earthwork, concrete pavement removal, concrete curb and gutter, storm sewer, drainage, HMA pavement, pavement markings and restoration. Non-motorized trail construction on north side (Caledonia Township). Through traffic will be detoured. Tree removal prior to April 1, 2024. Summer 2024.

**84th Street – East Paris Avenue to Patterson Avenue**

Reconstruct to 2-lane all-season. Work includes tree removal, earthwork, ditches, culvert replacement, HMA pavement, pavement markings and restoration. Through traffic will be detoured. Tree removal late March 2024. Planned start of earthwork by Dean's Landscaping and Excavating April 1, 2024.

**84th Street – Kraft Avenue to M-37**

Reconstruct to 2-lane all-season. Work includes tree removal, earthwork, ditches, culvert work, retaining walls, HMA pavement, pavement markings and restoration. Through traffic will be detoured. Tree removal prior to April 1, 2024. Planned start of earthwork fall 2024.

**100th Street - Patterson Avenue to Kraft Avenue**

Reconstruct to 2-lane all-season. Work includes tree removal, earthwork, ditches, culvert replacement, HMA pavement, pavement markings and restoration. Through traffic will be detoured. Tree removal prior to April 1, 2024. Planned start of earthwork after June 12, 2024.

**17 Mile Road – Cedar Springs E. city limit to Shaner Avenue**

Full-depth cold mill (west portion) and crush and shape the remaining existing asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured. Summer 2024 coordinate with Cedar Springs Schools summer break.

**18 Mile Road – Afton Avenue to Red Pine Drive**

Crush and shape the existing asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured. Spring/summer 2024.

**60<sup>th</sup> Street – Eastern Avenue to west of Kalamazoo Avenue**

Full depth cold mill existing 4-lane asphalt surface and place 2 courses of HMA pavement and stripe for 3-lanes. 2-way traffic will be maintained. Planned for spring 2024. MDOT December letting.

**84th Street – Timpson Avenue to Alden Nash Avenue**

Crush and shape existing asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured. Spring/summer 2024.

**Coit Avenue – 4 Mile Road to Woodworth Street**

Full depth cold mill existing 2-lane asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured. Coordinate with township sidewalk project.

**Eastern Avenue – 84th Street to 76th Street**

Cold mill existing 2 and 3-lane asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured

**Harvard Avenue – 14 Mile Road to 16 Mile Road**

Crush and shape existing asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured. Spring/summer 2024.

**Hunsberger Avenue – Coit Avenue to Plainfield Avenue**

Cold mill existing 2-lane asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured. Summer 2024, coordinate with Northview schools summer break.

**Leffingwell Avenue – Leonard Street to Knapp Street**

Full depth cold mill the existing 3-lane asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured. Cost share with City of Grand Rapids. Summer 2024, coordinate with county drain work.

**Patterson Avenue and 36th Street**

Remove existing concrete white topping and underlying HMA and place full depth non-reinforced concrete pavement within intersection and in all 4 directions. Phase construction to maintain 2-way traffic. Cost share with City of Kentwood. Summer/fall 2024.

**State Street – from 12 Mile Road to Division Street**

Partial depth cold mill existing 3-lane asphalt surface and place 1 course of HMA pavement. Milling and paving work will be phased to maintain 2-way traffic. Cost share with Village of Sparta. Summer 2024, coordinate with Sparta schools summer break.

**West River Drive – Lamoreaux Drive to Pine Island Drive**

Partial and full depth cold mill existing 4 to 5-lane asphalt surface and place 2 courses of HMA pavement. 2-way traffic will be maintained. Fall 2024, coordinate with MDOT work and Whitecaps schedule. MDOT January letting.

**Vergennes Street – Lincoln Lake Avenue to Flat River Drive**

Crush and shape existing asphalt surface and place 2 courses of HMA pavement. Through traffic will be detoured. Spring/summer 2024.

**SAFETY**

**4 Mile Road and Walker Avenue**

Realignment of Walker Avenue intersecting 4 Mile Road and widening for turns lanes and traffic signal installation. Cost share with City of Walker and MDOT.

**84<sup>th</sup> Street and Cherry Valley Avenue**

Widen north, south, and east to provide left turn lanes for future traffic signal. CMAQ funding.

**Peach Ridge Avenue at M-37**

Widen to provide center turn lanes for MDOT signal installation. Cul-de-sac Rusco Street east of Peach Ridge Avenue.

**Division Street and Main Street (Rockford)**

Widening and realignment of existing intersection to provide larger turning radii for future traffic signal upgrade project. 2-way traffic will be maintained.

**BRIDGES & CULVERTS**

**Grand Rapids Bridge #16 – Crahen Avenue over the Grand Rapids Eastern RR**

Concrete Box beam, spot replacement, substructure repair and guardrail upgrades. Traffic will be detoured. Spring/summer 2024.

**Plainfield Bridge #16 – Rogue River Road over the Rogue River**

Concrete Box beam, spot replacement, guardrail upgrades. Traffic will be detoured. Spring/summer 2024.

**Plainfield Bridge #5 – Packer Drive over White Pine Trail and  
Plainfield Bridge #25 – West River Drive over the Rogue River**

Bridge preventative maintenance, including expansion joint work and concrete deck and bridge rail waterproofing (silane).

**NON-MOTORIZED**

**Coit Avenue Sidewalk between 4 Mile Road and Woodworth Street**

Construct 8-foot-wide concrete sidewalk. Maintain 2-way traffic. Local funding Plainfield Township. MDOT November letting.

**Crahen Valley Park Trail – Leonard Street to south of Knapp Court**

Construct 10-foot-wide HMA trail from Leonard Street to just south of Knapp Court, all within the township park. Local funding Grand Rapids Township.



Category	Road	Limits	Miles	Lane Miles	Improvement	Source of Funds			Project Total	Program
						KCRC	Federal/State	Local		
Reconstruction										
	Expansion/All-Season									
	68th St.	Kraft Ave. to Cherry Valley Dr.	1.0	2.0	All-Season	\$ 589,350	\$ 1,060,650	\$ -	\$ 1,650,000	STP-U
	84th St.	Patterson Ave. to Kraft Ave.	1.0	3.0	All-Season	1,362,600	375,000		1,737,600	STP-U
	Lincoln Lake Ave.	Belding Rd. to Strotheide St.	0.8	1.6	All-Season	481,000	1,031,000		1,512,000	STP-R
(A)	Lincoln Lake Ave.	Strotheide St. to Heffron St.	1.0	2.0	All-Season	650,000	1,200,000		1,850,000	STP-R
	Full Depth Pavement									
	Patterson Ave.	M-37 to Burton St.	4.1	20.4	Spot Resurface - Concrete	229,520	738,000		967,520	NHPP
	Forest Hill Ave.	Hall St. to Cascade Rd.	0.4	1.1	Resurface	180,000	480,000		660,000	EDC
	Northland Dr.	M-57 to Indian Lakes Rd.	1.3	3.9	Resurface	330,000	880,000		1,210,000	EDC
	Crush & Shape	Various Locations	10.0	22.0	Resurface	2,050,000			2,050,000	
	Mill & Fill	Various Locations	10.0	22.0	Resurface	1,850,000			1,850,000	
	Preliminary Engineering	Various Locations				500,000			500,000	
Total Reconstruction			29.5	77.9		8,222,470	5,764,650	-	13,987,120	
Resurfacing										
	Overlays	Various Locations	8.5	18.7	Resurface	1,550,000			1,550,000	
Preservation										
	Surface Treatments	Various Locations	52.0	114.4	Sealcoat and Micro Surface	4,000,000			4,000,000	
	Thin Overlays		11.0	24.2		1,500,000			1,500,000	
Total Preservation			63.0	138.6		5,500,000	-	-	5,500,000	
Safety										
	Cherry Valley Ave.	at M-37/Broodmoor Ave.			Turn Lanes	97,573	260,193		357,766	CM
	Myers Lake Ave.	at 10 Mile Rd.			Roundabout	805,000	750,000		1,555,000	HSIP
	Pine Island Dr.	at 10 Mile Rd.			Roundabout	805,000	750,000		1,555,000	HSIP
	Various Locations				Capacity / Safety Improvement	200,000			200,000	
Total Safety						1,907,573	1,760,193	-	3,667,766	
Bridges and Culverts										
	Preventive Maintenance	Various Locations				2,000,000			2,000,000	
Non-Motorized										
	Argo Ave.	Hall St. to Cascade Rd.			Sidewalk		125,790	53,910	179,700	TAP
	4 Mile Rd.	Hachmuth Dr. to Yorkland Dr.			Sidewalk		119,000	51,000	170,000	TAP
	68th St.	Kraft Ave. to 0.4 miles east			Trail		140,000	60,000	200,000	TAP
						-	384,790	164,910	549,700	
Total Primary Projects			101.0	235.2		\$ 19,180,043	\$ 7,909,633	\$ 164,910	\$ 27,254,586	

(A) = Advance Construct receive \$ in 2026

Note: Projects are subject to change.

Category	Road	Limits	Miles	Lane Miles	Improvement	Source of Funds			Project Total	Program
						KCRC	Federal/State	Local		
Reconstruction										
Expansion/All-Season	Myers Lake Ave.	12 Mile Rd. to 14 Mile Rd.	2.0	4.0	All-Season	\$ 802,219	\$ 2,768,000	\$ -	\$ 3,570,219	STP-U (Flex)
Full Depth Pavement	Division Ave.	76th St. to 68th St.	1.0	5.0	Resurface	285,000	800,000		1,085,000	
	Forest Hill Ave.	Ada Dr. to Fulton St.(M-21)	1.1	3.3	Resurface	270,000	720,000		990,000	EDC
	10 Mile Rd.	E. of Belmont Bypass to Childsdale Ave.	1.5	6.0	Resurface	360,000	960,000		1,320,000	EDC
	Crush & Shape	Various Locations	9.0	19.8	Resurface	2,050,000			2,050,000	
	Mill & Fill	Various Locations	9.0	19.8	Resurface	2,050,000			2,050,000	
	Preliminary Engineering	Various Locations				500,000			500,000	
Total Reconstruction			23.6	57.9		6,317,219	5,248,000	-	11,565,219	
Resurfacing										
	Overlays	Various Locations	7.8	17.2	Resurface	1,550,000			1,550,000	
Preservation										
	Surface Treatments	Various Locations	49.0	107.8	Sealcoat and Micro Surface	4,000,000			4,000,000	
	Thin Overlays		4.5	9.9		500,000			500,000	
Total Preservation			53.5	117.7		4,500,000	-	-	4,500,000	
Safety										
	Various Locations				Capacity / Safety Improvement	2,000,000			2,000,000	
Bridges and Culverts										
	Preventive Maintenance	Various Locations				2,000,000			2,000,000	
Total Primary Projects			84.9	192.8		\$ 16,367,219	\$ 5,248,000	\$ -	\$ 21,615,219	

Note: Projects are subject to change.



**PROPOSED FOR 2027**

**84th Street – Cherry Valley Avenue to Thornapple River Drive  
Lincoln Lake Avenue – Heffron Street to Hart Street**

**PROPOSED FOR 2028**

**84th Street – Thornapple River Drive to Whitneyville Avenue  
Lincoln Lake Avenue – Hart Street to Beardslee Street**