Kalamazoo County Road Commission

ANNUAL REPORT

Two Thousand 2010

101 YEARS OF SERVICE - 1909 - 2010

Chip Seal Operation on 8th Street– Prairie Ronde Township

Kalamazoo County Road Commission

3801 East Kilgore Road • Kalamazoo, Michigan 49001
Telephone: **(269)** 381-3171 • Fax: **(269)** 381-1760
http://www.kalamazoocountyroads.com

Honorable Board of County Commissioners
County of Kalamazoo
Administrative Building
201 West Kalamazoo Avenue
Kalamazoo, Michigan 49007

Commissioners:

The one hundred first annual activities and financial report of the Board of County Road Commissioners of Kalamazoo County for the calendar year 2010 is herewith submitted in compliance with the provision of P.A. 283 of 1909, as amended.

Respectfully submitted,

Board of County Road Commissioners
of Kalamazoo County

Kent L. McCauley, Chairman

Kenneth R. Oscarson, Vice Chairman

Dennis J. Berkebile, Member

Jeffrie M. Maddox, Member

Daniel J. Moyle, Member

Kalamazoo County Road Commission

2010 KCRC Employees and Commissioners

CONTENTS

FACTS AND FIGURES	1
TABLE OF ORGANIZATION	2
INTRODUCTION	3
GLOSSARY	7
PRIMARY ROAD PRESERVATION – STRUCTURAL IMPROVEMENTS	8
PRIMARY ROAD PREVENTIVE MAINTENANCE	11
LOCAL ROAD PARTICIPATION FUNDS	14
TOWNSHIP CONTRIBUTIONS	15
LOCAL ROAD PROJECT SUMMARY EXPENDITURES	16
LOCAL ROAD PRESERVATION–STRUCTURAL IMPROVEMENTS, PREVENTIVE MAINT	17
LOCAL ROAD ROUTINE MAINTENANCE EXPENDITURES AND REVENUES	24
ROUTINE MAINTENANCE EXPENDITURES	25
COMBINED BALANCE SHEET	26
STATEMENT OF REVENUES AND EXPENDITURES	27
OTHER SUPPLEMENTAL INFORMATION: GRAPHS	28

Kalamazoo County Road Commission

One Hundred Second Annual Report of the Board of County Road Commissioners of Kalamazoo County, Michigan

For Calendar Year Ending December 31, 2010

Kent L. McCauley, Chairman
Kenneth R. Oscarson, Vice Chairman
Dennis J. Berkebile, Member
Jeffrie M. Maddox, Member
Daniel J. Moyle, Member
Joanna I. Johnson, Managing Director

Carmine Palombo – TAMC (Transportaton Asset Management Council) Chair, Joanna Johnson, Travis Bartholomew, Ken Oscarson – receiving a 2010 Organization Achievement award from the Michigan Transportation Asset Management Council

FACTS AND FIGURES

Certified Miles

Township	Primary Miles	Local Miles
Alamo	31	39
Brady	32	44
Charleston	22	23
Climax	26	46
Comstock	44	75
Cooper	31	63
Kalamazoo	26	75
Oshtemo	43	74
Pavilion	27	48
Prairie Ronde	22	52
Richland	27	49
Ross	25	54
Schoolcraft	25	36
Texas	32	89
Wakeshma	25	48
Portage City	11	0

Primary road miles	449	
Local road miles		815
Gravel road miles		104
All-season road miles	281	

• County bridge system

Bridges	60
Restricted bridges	10
Closed bridges	1

• Signs and signals

Signs posted on county roads	19,300
Stop signs	2,500
Traffic signals under KCRC control	46
Flashing lights at intersections	41

• Jobs well-done in 2010

Miles of local road chip sealed	30
Miles of primary road chip sealed	72
Miles of local road regraveled	3
Miles of local roads paved	18
Miles of primary roads paved	3

Snow Plowing – Wakeshma Township

The goal of the Board of County Road Commissioners of Kalamazoo County is using our expertise, energy and funds to provide the safest and most convenient road system possible, and to contribute to economic development and high quality of life throughout the county.

INTRODUCTION

The Kalamazoo County Road Commission (KCRC) has provided a brief overview of our funding, operations, and assets within this report. Additional financial and audit information, publications and resources can be found on our website at www.kalamazoocountyroads.com.

This report provides a citizens guide to the efforts by KCRC in public service. These efforts are on-going and continuously developed to meet the needs of our changing reality while improving our infrastructure. Our work is never complete and we will continue to be focused on continuous improvement, leadership and public service. Our goal is to be the BEST road commission in the State. This is only accomplished by our team of employees vested in the spirit of leadership and service. Thank you for allowing us the opportunity to serve you.

The Kalamazoo County Road Commission (KCRC) is the jurisdictional authority over all public roads lying outside the incorporated cities and villages within Kalamazoo County, exclusive of any state trunkline highway. At the end of 2010, KCRC maintains 1,264 miles of road throughout the 576 square-mile county. The KCRC certified primary road system consists of 449 miles; the remaining 815 miles comprise the local road system. Along with the road system, KCRC maintains bridges, traffic signs/signals, culverts, storm sewers, and roadsides throughout the county.

PROJECT SELECTION

The KCRC establishes road improvement priorities for the primary road system. Annually, our staff develops an improvement plan spanning five years that is based on engineering assessments and on-site reviews. This plan is reviewed and projects undertaken based on current and future road needs and anticipated funding.

In December 2010, the KCRC adopted a $38 million, five-year Primary Road Capital Improvement Plan (CIP) for the period 2011 through 2015. The plan includes such preservation-structural improvement projects as resurfacing, reconstructing and widening roads; upgrading certain roads to all-season status; safety projects; bridge replacements; and upgrading traffic signals.

For the local road system, road improvement priorities are developed in conjunction with township governments. In 2010, KCRC approved a policy requesting that each township work with our designated Area Superintendent to develop a 5-year road improvement plan supporting asset management for planning purposes and local road preservation. The KCRC maintains a local road participation fund program that provides funds for each township that must be matched on a dollar-for-dollar basis for local road improvement projects. In 2010, KCRC applied $950,000 toward this match program. These projects include local road preservation-structural improvement, preventive maintenance and construction projects such as installation of storm water basins, significant storm sewer improvements, chip seal, hot mix aasphalt (HMA) overlays and road reconstruction.

The financial commitment of township boards and residents through the years has proven invaluable. These partnerships help provide better service to our joint constituencies. Also available for funding, under the provisions of Act 246, Public Acts of 1931 is the special assessment district option. The State statute provides an opportunity to fund local road improvement projects through the creation of a special assessment district. This can be initiated either by response to a township board resolution or by a petition of landowners. In 2010, two special assessment districts were created; one in Pavilion Township and one in Richland Township. Texas Township also approved a special assessment district under the provisions of Act 188, Public Acts of 1954 by township board resolution. Climax Township is the only township in Kalamazoo County with a dedicated road millage.

ASSET MANAGEMENT

Infrastructure is a valuable asset in every community. It is important to maintain these assets as efficiently and cost effectively as possible. A transportation asset management program allows Kalamazoo County to plan and prioritize road improvements. Since 2004, federal aid eligible road asset management data has been collected in Kalamazoo County. In 2009, the KCRC began a process of collecting data on the non-federal aid system and to date 10 of 15 townships have been completed. In 2010, local ratings were completed for Charleston, Comstock, Oshtemo, Schoolcraft and Richland Townships. The data collected used the Pavement Surface Evaluation Rating (PASER) system, as is used in the federal aid

data collection. The method of collection using the Roadsoft GIS laptop data collector and trained KCRC staff consisted of a survey of roads and each pavement was assigned a rating based on PASER criteria. PASER rating is based on a number system, 1 through 10 with 1 being the worst and 10 being the best. This data will assist in establishing a strategic plan for project selection and maintaining our infrastructure with the right fix at the right time.

Nearly three times as many federal aid roads in Michigan are in poor condition than there were seven years ago, according to the Michigan Transportation Asset Management Council (TAMC), as they released the 2010 annual report. The report revealed that 35% of federal aid roads, roads that qualify for federal transportation dollars, are in poor condition. Additionally, 46% of non-federal aid roads or almost half, which are typically traveled county roads in the State, are in poor condition. The summary report of road mileage rated in 2010 for KCRC revealed that approximately 5% are in poor condition.

Please review our asset management graphs, in this report, that reflect data for federal aid roads in Michigan and KCRC, and our primary and local road system.

FINANCES

The KCRC is a special purpose government engaged in a single government program of road and bridge maintenance, preservation and construction for the county of Kalamazoo, Michigan. Our annual audited financial statements are included in the basic financial statements of Kalamazoo County, Michigan as a discretely presented component unit. Our Board of County Road Commissioners adopts an annual budget in accordance with the Uniform Budgeting Act (P.A. 621 of 1978). An independent audit is performed annually on KCRC financial statements, and we annually submit our Act 51 Financial Report to the Michigan Department of Transportation as required by Act 51, Public Acts of 1951 as amended. In 2010, we continued to take every possible step to increase our efficiency by controlling expenditures, including overhead and administrative costs. Steps taken include the reduction of administrative staff, benefit modifications, technology enhancements, equipment investments, collaboration, modifications to our winter maintenance operations, and modifications to our material usage.

Please review our financial graphs, in this report, that reflect data for our revenues, expenditures, historical information, and winter maintenance operations.

REVENUES

MICHIGAN TRANSPORTATION FUND

The Michigan Transportation Fund (MTF), the repository of fuel taxes and vehicle registration fees collected by the state, is the principal source of road commission funding. The collected funds are distributed to the Michigan Department of Transportation (MDOT), 53 cities and villages, and 83 county road commissions, using a formula based on variables that include the density of population, road mileage by classification and collected vehicle registration fees.

Our general allocation revenue from the MTF has been decreasing over the years. The decrease is attributable to several issues. Since the fuel tax is based on a flat per-gallon rate, and not on a percentage of total fuel purchased (for example, such as the sales tax), the fewer gallons of fuel sold has a significant impact on this important revenue stream. As fuel efficiency rises and less gallons of fuel are sold, the resulting decrease in MTF revenues continues to become a challenge to road commissions throughout the state.

Additionally, there continues to be off-the-top deductions of MTF to the Michigan Department of Treasury, Michigan Department of Environmental Quality and the Auditor General.

Please review our MTF graph, in this report, for historical information.

MICHIGAN STATE AND FEDERAL TRANSPORTATION FUNDS

The KCRC also works diligently to qualify for special sources of revenue for road improvement projects from other state and federal sources.

State sources include critical bridge funds, snow-removal funds, and Transportation Economic Development Funds or TEDF dollars. TEDF Category A funds are competitively available for road projects related to industry development and redevelopment opportunities; however, the 2009 – 2010 state budget has a $12 million reduction in TEDF Category A funds. TEDF Category D funds are available for use to upgrade roads to all-season standards and to develop a network of roads that are not weight restricted during seasonal weight restriction periods. TEDF Category F funds are competitively available for use to upgrade roads to complete broken links in the all-season-road network in the urban area.

FEDERAL SURFACE TRANSPORTATION PROGRAM FUNDS

Federal revenue sources are provided for in the Federal Transportation Legislation by the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) since 2005 and currently on its 7th extension. Federal sources include Surface Transportation Program (STP) funds, American Recovery and Reinvestment Act (ARRA) and Congestion Mitigation and Air Quality (CMAQ) funds.

Federal funding is distributed to the KCRC through the Kalamazoo Area Transportation Study (KATS), the Metropolitan Planning Organization (MPO) for the Kalamazoo urbanized area. One of the charges of the KATS is to fulfill Federal, State, and Policy Committee directives to ensure an equitable distribution of transportation funding in Kalamazoo County, as well as to plan for the future of the transportation network within financially feasible goals. The KATS provides a framework in which the KCRC is able to coordinate with the other agencies in the Kalamazoo area and to seek additional public comment on our CIP.

CMAQ programs reduce vehicle pollutant emissions by improving the flow of traffic, or by providing transportation choices that reduce pollution. CMAQ funds are designated to the Kalamazoo region to support projects that will result in improved air quality.

Projects completed during 2010 utilizing STP funds were:

- 35th Street from I-94 West bound off ramp to the Kalamazoo River Bridge
- Stadium Drive from 4th Street to 6th Street

In 2009 and 2010, the ARRA funding provided investment in our nation's infrastructure; including roads, bridges, and public transit to save or create jobs for American workers and enhance economic growth. For KCRC these funds totaled approximately $600,000 dollars in 2010.

Projects completed during 2010 utilizing ARRA funds were:

- Texas Drive at 8th Street
- Chip Seal: Mercury Drive from MN Avenue to East County Line,
  C Avenue from East Gull Lake Drive to 40th Street,
  24th Street from D Avenue to M-89

FEDERAL LOCAL BRIDGE PROGRAM FUNDS

Under SAFETEA-LU, Michigan is eligible to use federal funds to improve the condition of highway bridges through replacements, rehabilitation, and preservation activities. Through legislation in 2004, Michigan created a Local Bridge Fund to be administered by the Local Bridge Advisory Board and seven Regional Bridge Councils. Funding from the Local Bridge Fund is allocated to each region based on available funds and weighted ratios provided in the legislation.

These funds are available on a statewide competitive basis. Bridges eligible for these funds must be structurally deficient, functionally obsolete and in need of repair or do not function in a way that meets traffic needs.

Projects completed during 2010 utilizing bridge program funds were:

- 24th Street Bridge over Portage Creek

The TAMC report showed that Michigan has a significantly higher percentage of structurally deficient bridges than other Great Lakes states. In 2010, 13.15% of all Michigan's bridges were structurally deficient.

In 2010, 14% of KCRC (6 bridges) are rated as structurally deficient: Structurally Deficient (SD) status – A highway bridge is classified as structurally deficient if the deck, superstructure, substructure, or culvert is rated in "poor' condition (0 to 4 on the National Bridge Inventory (NBI) rating scale). A bridge can also be classified as structurally deficient if tis load carrying capacity is significantly below current design standards or if a waterway below frequently overtops the bridge during floods.

EXPENDITURES

KCRC engineering and maintenance operations are responsible for providing engineering and technical expertise for road commission projects, operations, preventative maintenance and improvement projects on the county road system. These efforts also include our traffic safety operations. KCRC operations are supported by our administrative team, equipment operations and capital outlay expenditures.

Routine maintenance activities, outside of construction projects, include surface patching, roadside mowing, tree cutting/removal, culvert repair, guardrail maintenance, and winter maintenance.

During 2010, approximately 21 miles of roads were paved totaling over $3.5 million dollars. To preserve the capital investment in our roads, more than 103 miles of roads were chip sealed totaling over $2.9 million dollars. Over $9 million dollars was spent on our primary road system and over $7 million on our local road system for both construction and maintenance operations in 2010.

Safety improvement projects also were completed, including, addition of turn lanes at intersections, shoulder paving, upgrading of traffic signals and new traffic signal installations at intersections.

Projects completed during 2010 improving safety were:

- Sprinkle Road at G Avenue

ACHIEVEMENTS AND EDUCATIONAL OPPORTUNITIES

ACHIEVEMENTS

- The KCRC received an Award of Merit by the American Council of Engineering Companies as recognition for the 35th Street Bridge project completed in 2008 – Comstock Township. URS our consultant on this project submitted the entry. This will be the second award for the 35th Street project!

- The KCRC was awarded the Organizational Achievement Award from the Michigan Transportation Asset Management Council. The Road Commission was recognized at the Awards Luncheon at the 2010 Asset Management Conference in Mount Pleasant. The Transportation Asset Management Council established the awards program to recognize organizations who have demonstrated outstanding leadership and vision in implementing the core principles of asset management.

- The KCRC was honored by the American Public Works Association (APWA) Southwest MI Branch for the road improvement projects on Texas Drive and the Kalamazoo River Valley Trail, Segment 2.

  The Texas Drive Realignment at 8th Street included the abandonment of 660' of Texas Drive, construction of new portion of road that will meet 8th Street perpendicularly and also add a turn lane. Texas Township played a key role in the coordination of this project. The project was recognized in the Transportation <$1M category.

  The Kalamazoo River Valley Trail (KRVT), Segment 2, City of Parchment, City of Kalamazoo, Kalamazoo Township and Cooper Township began at the Intersection of Riverview Drive and Mosel Avenue, north along the Kalamazoo River, Westnedge and ending on D Avenue east of the Kalamazoo River; 5.82 miles of hot mix asphalt non-motorized path. The trail is operated by the Kalamazoo County Parks. The Parks Foundation, as well as the Friends of the KRVT played a key role in the design and coordination. The project was recognized in the Quality of Life category.

EDUCATIONAL OPPORTUNITIES

In 2010, the KCRC held educational sessions on the following topics:

- Setting Realistic Speed Limits
- Building of the Kalamazoo County Map – A Historical & Educational View
- Asset Management for Local Officials

SUMMARY

We hope this report provides a better understanding of the KCRC, our commitment to Kalamazoo County, the role we play in improving our infrastructure and to contribute to economic development and high quality of life throughout the county.

GLOSSARY

All-season roads—roads that have a sub-base, base and surface of adequate thickness and composition to withstand year-round use of heavy vehicles without damage.

Cape Seal—a surface treatment that involves the application of slurry seal to a newly constructed surface treatment or chip seal. Cape seals provide a dense, waterproof surface with improved skid resistance and ride quality.

Chip seal—a surface treatment in which the pavement is sprayed with asphalt (generally emulsified) and then immediately covered with aggregate and rolled. Chip seals are used primarily to seal the surface of a pavement.

Double seal—two applications of chip seal applied to a prepared gravel base.

Fog seal—a light application of slow setting asphalt emulsion diluted with water and without addition of any aggregate applied to the surface of a bituminous pavement. Fog seals are used to renew aged asphalt surfaces and seal small cracks.

HMA (Hot Mix Asphalt) overlay—the application of a hot mixture of asphalt, a glue-like material, and various sizes of stone, placed on top of gravel or other old surfaces and rolled to compact in place.

HMA (Hot Mix Asphalt) spot wedge—a repair patch placed by a paving machine that varies in depth and length.

Hot rubber crack sealing—a rubber material consisting of polymers, virgin rubber and asphalt emulsion to form an elastic moisture barrier over cracks in the road that, when properly heated and applied, will maintain its form over extreme heat and cold fluctuations in the roadway.

Local roads—county roads not classified as primary roads in the county road system. KCRC has 814 miles of these roads, including those in plats.

Micro seal—a mixture of polymer modified asphalt emulsion, mineral aggregate, mineral filler, water, and other additives, properly proportioned, and spread on a paved surface. It can correct rutting on high volume roads.

Preservation—structural improvement (formally known as heavy maintenance)—roadwork, including placing a hard furface on a gravel road, reconstructing an existing road or bridge, resurfacing a road with a HMA overlay or installing new culverts or catch basins.

Preventive maintenance—roadwork, including chip sealing, pavement crack filling, and wedging to preserve roads by retarding surface deterioration.

Primary roads—major roads within the county road system in Kalamazoo County. Primary roads accommodate 85 percent of the county's road system traffic and include more than 449 miles of roadway.

Reconstruction—removing the existing road surface and replacing it with materials of a thickness that conforms to current standards for pavement design. Vertical and horizontal alignment drainage improvements are also factors of reconstruction.

Rehabilitation—placing additional surface material or doing other work to return a road, including its shoulders, to structural or functional adequacy.

Resurfacing—placing new pavement material over existing pavement. Shoulder material is added to match the elevation of the new pavement.

Routine maintenance—roadwork, including pothole filling, pavement marking, roadside mowing, traffic road sign installation and snow removal.

Sami seal—Chip seal followed by a micro-seal. An application process to provide a crack barrier between an old and new road surface including an emulsion, stone matrix, and a wearing course.

Texas Drive at 8th Street – Texas Township

- **PRIMARY ROAD PRESERVATION**
- **STRUCTURAL IMPROVEMENTS**
- Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	TOTAL
8th Street – R Avenue to Q Avenue, Project No. 210902. Construction engineering and contractor payments by State for reconstruction project, pulverizing existing pavement and resurfacing roadway. Project is part of the American Recovery and Reinvestment Act (ARRA) program.	35,684.60
9th Street – at Quail Run, Project No. 210118. Traffic signal installation and intersection improvement project.	115,463.85
9th Street – 1.15 mile north of Stadium Drive to KL Avenue, Project No. 210677. Construction engineering and contractor payments by State for 2008 project to reconstruct roadway widening to 3 lanes.	143,459.99
12th Street – at Milham Road and Texas Drive, Project No. 210116. Design engineering and right-of-way purchases for proposed intersection reconstruction project.	111,167.66
12th Street – C Avenue to north county line, Project No. 210900. Design engineering for proposed reconstruction project.	17,866.56
12th Street – D Avenue to C Avenue, Project No. 210903. Construction engineering and contractor payment by State for reconstruction project utilizing American Recovery & Reinvestment Act (ARRA) Funds.	78,898.03
26th Street – DE Avenue to D Avenue, Project No. 210129. Pulverization of road, gravel lift, HMA overlay and gravel shoulders.	162,296.13
35th Street – I-94 westbound off ramp to Kalamazoo River, Project No. 210960. Design engineering services and right-of-way purchases for proposed project.	152,552.96
35th Street – .09 mile north of Miller Drive, Project No. 210026. Construction engineering services and contractor payments by State for intersection relocation project.	1,666,726.50
42nd Street – W Avenue to 643' north of W Avenue, Project No. 210242. HMA overlay.	24,283.41
43rd Street – R Avenue to Q Avenue, Project No. 210886. Construction engineering for 2009 HMA resurfacing project.	14,096.80
KL Avenue – at Drake Road, Project No. 210039. Final Accounting by State.	3,568.22
N Avenue (Kilgore Road) – at 29th Street, Project No. 210120. Design and construction engineering for current year intersection improvement project.	165,202.86
R Avenue – 24th Street to East Long Lake Drive, Project No. 210241. HMA overlay and gravel shoulders.	57,865.70
S Avenue – S. Sprinkle Road to 29th Street, Project 210901. Contractor payment by State for 2009 pulverization and HMA resurfacing project using ARRA Funds.	108,435.24
VW Avenue – 18th Street to Portage Road, Project No. 210139. Design engineering services for 2011 safety and resurfacing project.	13,942.10

PRIMARY ROAD PRESERVATION
STRUCTURAL IMPROVEMENTS
Including Administrative and Equipment Allocation

PROJECT DESCRIPTION	TOTAL
W Avenue – 1143' west of 42nd Street to 1143' east of 42nd Street, Project No. 210243. HMA overlay.	82,054.73
Drake Road - at Stonebrook Avenue, Project No. 210767. Engineering services for 2008 traffic signal installation project.	17,419.33
Ravine Road – at Squires Drive, Project No. 210797. Construction engineering and contractor payment by State for 2008 safety improvement project.	10,787.78
North Sprinkle Road – DE Avenue to D Avenue, Project No. 210138. Milling and HMA wedging.	23,474.91
North Sprinkle Road – at G Avenue, Project No. 210961. Construction engineering and intersection safety improvement project including traffic signal upgrade.	262,671.47
South Sprinkle Road – Zylman Avenue to ML Avenue, Project No. 210796. Construction engineering services and contractor payments by State for 2009 traffic signal upgrades and corridor interconnect utilizing State Congestion Mitigation and Air Quality (CMAQ) Funds.	37,280.21
South Sprinkle Road – N Avenue (Kilgore Road) to I-94 interchange, Project No. 210830. Construction engineering services and contractor payment by State for 2008 HMA milling and surfacing project.	7,300.75
South Sprinkle Road – S Avenue to Zylman Avenue, Project No. 210135. Design engineering and right of way purchases for proposed reconstruction project.	48,933.19
South Sprinkle Road – at S Avenue, Project No. 459 024 210136. Design engineering and right-of-way purchases for proposed intersection safety project.	13,791.75
Stadium Drive – 4th Street to 6th Street, Project No. 210115. Construction engineering and contractor payments to State for resurfacing project.	383,880.89
Stadium Drive – 6th Street to 8th Street, Project No. 210042. Final Accounting by State for 2002 construction project.	6,461.80
Stadium Drive – at 9th Street, Project No. 210043. Final Accounting by State for 2002 construction project.	1,610.92
Stadium Drive – at Venture Park, Project No. 210119. Construction engineering and intersection improvement project including traffic signal upgrade.	149,869.45
Texas Drive – at Milham Road, Project No. 210958. Engineering services for proposed intersection project.	3,027.39
Total Primary Structural Improvements	**3,920,075.18**

- **PRIMARY STRUCTURES**
- **HEAVY MAINTENANCE**
- Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	TOTAL
24th Street Bridge – south of X Avenue (over Portage Creek), Project No. 220523. Construction engineering and contractor payments by State for bridge replacement project.	622,474.92
35th Street Bridge – at Galesburg city limits (over Kalamazoo River), Project No. 220275. Construction engineering and contractor payment by State for 2008 rehabilitation project.	224,448.03
River Street Bridge – over Kalamazoo River, Project No. 220140. Design engineering and right-of-way for proposed replacement bridge.	28,847.26
Total Primary Bridge	**875,770.21**

24th Street Bridge – South of X Avenue over Portage Creek Project – Brady Township

- **PRIMARY ROAD**
- **PREVENTIVE MAINTENANCE**
- Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	TOTAL
3rd Street – Q Avenue to P Avenue, Project No. 380184. Crack sealing and Chip seal.	21,867.10
8th Street – W Avenue to U Avenue, Project No. 380194. Chip seal.	42,478.85
10th Street – M-43 to H Avenue, Project No. 380178. Chip seal.	40,551.36
12th Street – U Avenue to Q Avenue, Project No. 474 012 380179. Chip seal.	77,086.29
12th Street – Q Avenue to Texas Drive, Project No. 380114. Crack sealing.	22,526.25
24th Street – D Avenue to M-89, Project No. 380145. Chip seal using American Recovery & Reinvestment Act (ARRA) Funds.	74,750.49
24th Street – Z Avenue to Vicksburg village limit, Project No. 380145. Crack sealing and Chip seal.	86,870.83
27th Street – TU Avenue to T Avenue, Project No. 380107. Crack sealing.	1,168.68
27th Street – YZ Avenue to Y Avenue, Project No. 380198. Chip seal.	9,690.17
28th Street – South county line to YZ Avenue, Project No. 380187. Crack sealing and Chip seal.	11,811.26
29th Street – MN Avenue to T Avenue, Project No. 380108. Crack sealing.	30,911.52
29th Street – W Avenue to U Avenue, Project No. 380199. Chip seal.	34,314.96
36th Street – R Avenue to PQ Avenue, Project No. 380110. Crack sealing.	4,674.71
38th Street – PQ Avenue to MN Avenue, Project No. 380131. Chip seal.	65,718.54
42nd/43rd Street – TS Avenue to R Avenue, Project No. 380189. Chip seal.	48,267.81
42nd Street – Z Avenue to W Avenue, Project No. 380200. Chip seal.	55,461.58
47th Street – X Avenue to W Avenue, Project No. 380111. Crack sealing.	2,337.35
C Avenue – 40th Street to 48th Street, Project No. 380128. HMA wedging and Chip seal.	84,355.39
C Avenue – East Gull Lake Drive to 40th Street, Project No. 380146. Chip seal using ARRA funds.	10,889.39
DE Avenue – N. Sprinkle Road to 26th Street, Project No. 380106. Crack sealing.	4,762.36
G Avenue – N. Sprinkle Road to M-43, Project No. 380191. Chip Seal.	33,803.71
KL Avenue – 9th Street to 11th Street, Project No. 380112. Crack sealing.	4,674.71
N Avenue – 6th Street to 11th Street, Project No. 380132. HMA wedging, Crack sealing, and Chip seal from 6th Street to 9th Street.	75,811.02

- **PRIMARY ROAD**
- **PREVENTIVE MAINTENANCE**
- Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	TOTAL
ON Avenue – Climax village limit to 48th Street, Project No. 380202. Chip seal.	27,782.16
PQ Avenue – 36th Street to 38th Street, Project No. 380209. Chip seal.	22,863.72
S Avenue – Vankal Street to 8th Street, Project No. 380133. Chip seal.	77,937.66
S Avenue – 29th Street to 36th Street. Project No. 380205. Chip seal.	61,833.12
T Avenue – 27th Street to 29th Street, Project No. 380109. Chip seal.	5,843.38
U Avenue – Oakland Drive to Portage Street, Project No. 380182. Chip seal.	50,722.47
U Avenue – U Avenue to 36th Street. Project No. 380188. Crack sealing and Chip seal.	86,887.06
VW Avenue – Portage Road to Vicksburg village limits, Project No. 380134. Crack sealing, HMA wedging and Chip seal.	40,239.83
W Avenue – Vankal Street to 4th Street. Project No. 380185. Crack sealing and Chip seal.	44,890.93
XY Avenue – US-131 to Portage Road, Project No. 380115. Crack sealing.	21,620.53
XY Avenue – 8th Street to US-131, Project No. 380130. Crack sealing and Chip seal.	65,987.18
Y Avenue – 24th Street to 27th Street, Project No. 3801868. Crack sealing and Chip seal.	33,759.92
Y Avenue – 42nd Street to east county line, Project No. 380208. Chip seal.	51,347.09
Cork Street – S. Sprinkle Road to 26th Street, Project No. 380105. Crack sealing.	13,118.40
Drake Road – West Michigan Avenue to M-43, Project No. 380113. Crack sealing.	14,520.82
Humphrey Street – Kalamazoo city limit to East Main Street, Project No. 380193. Crack sealing and Chip seal.	14,759.23
East Main Street – Kalamazoo city limits to N. Sprinkle Road, Project No. 380192. Crack sealing and Chip seal.	69,456.35
Mercury Drive – MN Avenue to east county line, Project No. 380144. Chip seal using ARRA funds	52,473.95
West Michigan Avenue – Stadium Drive to Drake Road, Project No. 380201. HMA wedge and Chip seal.	37,939.98
Portage Road – VW Avenue to Portage, Project 380116. Crack sealing.	13,498.22
Ravine Road – D Avenue to C Avenue, Project No. 380203. Chip seal.	28,576.36

- **PRIMARY ROAD**
- **PREVENTIVE MAINTENANCE**
- Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	TOTAL
S. Sprinkle Road – Centre Avenue to Milham Avenue, Project No. 380190. Crack sealing and Chip seal.	147,767.40
Stadium Drive – 6th Street to 8th Street, Project No. 380117. Crack sealing.	15,812.21
Stadium Drive – 8th Street to 11th Street, Project No. 380118. Crack sealing.	23,724.15
Stadium Drive – Vankal Street to 4th Street, Project No. 380183. Chip seal.	56,307.22
Texas Drive – 8th Street to 12th Street, Project No. 380209. Chip seal.	61,504.88

Total Primary Preventive Maintenance **1,985,958.55**

C Avenue – E. Gull Lake Drive to 40th/Chip Seal – Richland Township

LOCAL ROAD PARTICIPATION FUNDS

The Board of County Road Commissioners determines, annually, the amount of local road participation funds that will be made available to each township. The distribution of the funds is based on township mileage and population and is determined on the same basis that local road fund money is distributed to the Board from the Michigan Transportation Fund.

Participation funds are made available to the townships for use on local road preservation-structural improvements, preventive maintenance, construction and special assessment projects. Townships, in order to receive local road participation funds, must match funds on a dollar-for-dollar basis.

Township	Allocation
Alamo	34,375.00
Brady	40,306.00
Charleston	19,062.00
Climax	33,578.00
Comstock	112,905.00
Cooper	78,727.00
Kalamazoo	136,687.00
Oshtemo	111,031.00
Pavilion	54,650.00
Prairie Ronde	38,405.00
Richland	56,628.00
Ross	50,246.00
Schoolcraft	41,087.00
Texas	108,541.00
Wakeshma	33,772.00
Total	**950,000.00**

Miller Drive Realignment Project – Comstock Township

LOCAL ROAD TOWNSHIP CONTRIBUTIONS

Township	Preservation-Structural Imp. Contributions	Preventive Maintenance Contributions	Routine Maintenance Contributions	Special Assessment Contributions	Total Township Contributions
Alamo	28,081.98	4,567.42	1,017.49		33,666.89
Brady	43,596.84		7,746.64		51,343.48
Charleston	40,671.12		1,072.10		41,743.22
Climax	140,306.60		4,677.48		144,984.08
Comstock	97,677.60		465.50		98,143.10
Cooper	40,794.89	32,578.15			73,373.04
Kalamazoo	57,420.89		441.00		57,861.89
Oshtemo	16,228.71	98,275.40	882.00		115,386.11
Pavilion	35,603.15	30,405.00		2,130.70	68,138.85
Prairie Ronde	21,200.40	30,458.46	42,424.69		94,083.55
Richland	22,352.22	43,992.42	2,009.00	26,998.20	95,351.84
Ross	9,987.13	42,376.10	3,616.39		55,979.62
Schoolcraft	15,912.00	107,758.92			123,670.92
Texas	30,949.20	142,395.42			166,065.62
Wakeshma	23,293.08	9,647.69	8,106.97		41,047.74
Total	**624,075.81**	**542,454.98**	**72,459.26**	**29,128.90**	**1,260,839.95**

Preservation-Structural Improvement Contributions: Payments made by township for preservation-structural improvement projects

Preventive Maintenance Contributions: Payments made by township for preventive maintenance projects

Routine Maintenance Contributions: Payments made by township for dust control, miscellaneous

Special Assessment Contributions: Payments made by township for special assessment projects

N Avenue – at 29th Street Safety Project – Pavilion Township

LOCAL ROAD PROJECT SUMMARY EXPENDITURES

Preservation – Structural Improvements and Preventive Maintenance Expenditures

Including Administrative and Equipment Allocations

Township	Local Preventive Maintenance	Local Preservation Structural Improvements	Total Township Projects
Alamo	9,221.35	56,733.63	65,954.98
Brady	0.00	87,318.21	87,318.21
Charleston	0.00	83,116.59	83,116.59
Climax	0.00	251,414.24	251,414.24
Comstock	0.00	202,152.82	202,152.82
Cooper	79,566.62	193,782.65	273,349.27
Kalamazoo	0.00	114,573.63	114,573.63
Oshtemo	196,935.59	30,929.73	227,865.32
Pavilion	60,623.18	134,873.29	195,496.47
Prairie Ronde	48,122.71	42,727.07	90,849.78
Richland	79,253.36	100,068.19	179,321.55
Ross	84,176.93	20,123.75	104,300.68
Schoolcraft	140,380.70	32,284.09	172,664.79
Texas	253,738.98	26,961.81	280,700.79
Wakeshma	19,741.58	46,934.81	66,676.39
Total	**971,761.00**	**1,423,994.51**	**2,395,755.51**

Preservation-Structural Improvements: Roadwork, including placing a hard surface on a gravel road, reconstructing an existing road or bridge, resurfacing a road with HMA overlay or installing new culverts or catch basins.

Preventive Maintenance: Roadwork, including chip sealing, pavement crack filling, and wedging to preserve roads by retarding surface deterioration.

B Avenue culvert replacement – Cooper Township

LOCAL ROAD PRESERVATION
STRUCTURAL IMPROVEMENTS AND PREVENTIVE MAINTENANCE
Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	PREVENTIVE MAINTENANCE	STRUCTURAL IMPROVEMENT
• **ALAMO TOWNSHIP** ~ 38.59 Local Road Miles		
F Avenue – 6th Street to 7th Street, Project No. 680182**.** Chip seal.	9,221.35	
F Avenue – Farway Hills Way to 6th Street, Project No. 510144. HMA overlay and gravel shoulders.		56,733.63
TOWNSHIP TOTALS	**9,221.35**	**56,733.63**
• **BRADY TOWNSHIP** ~ 44.04 Local Road Miles		
34th Street – UV Avenue to U Avenue, Project No. 510212. Road Pulverized, gravel work, HMA overlay and and gravel shoulders.		85,467.23
XY Avenue – 3950' east of 33rd Street to 7920' east of 33rd Street, Project No. 510153. Soil borings.		1,850.98
TOWNSHIP TOTALS	**0.00**	**87,318.21**
• **CHARLESTON TOWNSHIP** ~ 22.65 Local Road Miles		
L Avenue – 38th Street east 3700', Project No. 510157. Base HMA overlay and gravel shoulders. Project includes pulverization of existing pavement and gravel work.		83,116.59
TOWNSHIP TOTALS	**0.00**	**83,116.59**
• **CLIMAX TOWNSHIP** ~ 46.40 Local Road Miles		
ON Avenue – 6700' west of 42nd Street at Portage River, Project No. 510155. Culvert replacement.		101,205.08
43rd Street – Q Avenue to P Avenue, Project No. 510216. HMA overlay and gravel shoulders. Project includes Pulverization of existing pavement and gravel work.		150,209.16
TOWNSHIP TOTALS	**0.00**	**251,414.24**

LOCAL ROAD PRESERVATION
STRUCTURAL IMPROVEMENTS AND PREVENTIVE MAINTENANCE
Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	PREVENTIVE MAINTENANCE	STRUCTURAL IMPROVEMENT
• **COMSTOCK CHARTER TOWNSHIP** ~ 74.76 Local Road Miles		
L Avenue – River Street to 100' east of Stalwart Street, Project No. 510211. HMA overlay and gravel shoulders. Project includes pulverization of existing pavement and gravel work.		202,152.82
TOWNSHIP TOTALS	**0.00**	**202,152.82**
• **COOPER CHARTER TOWNSHIP** ~ 62.83 Local Road Miles		
B Avenue – 1037' east of Douglas Avenue, Project No. 510154. Culvert Replacement.		121,164.70
G Avenue – Douglas Avenue to Pitcher Street, Project No. 510210. HMA overlay and gravel shoulders. Project was shared with Kalamazoo Township.		72,617.95
Springbrook Drive – Riverview Drive west 2811' and **Springbrook Drive** – Riverview Drive to E Avenue and **Springbrook Lane** – Springbrook Drive south 424' and **Shady Grove Street** – Springbrook Drive to E Avenue and **Twin Spruce Drive** – South Shady Grove Street to North Shady Grove Street and **Twin Spruce Drive** – Shady Grove Street west 183', Project No. 680156. Crack Seal.	10,301.88	
Fineview Avenue – Douglas Avenue to N. Westnedge Avenue, Project No. 680157. Sami Seal.	36,938.05	
16th Street – Douglas Avenue to B Avenue, Project No. 680167. Chip seal.	11,141.28	
16th Street – B Avenue to Baseline Road, Project No. 680168. Chip seal.	21,185.41	
TOWNSHIP TOTALS	**79,566.62**	**193,782.65**
• **KALAMAZOO CHARTER TOWNSHIP** ~ 74.59 Local Road Miles		
Turwill Lane – West Main south 970', Project No. 510222. HMA overlay.		35,286.62
G Avenue – Douglas Avenue to Pitcher Street, Project No. 510210. HMA overlay and gravel shoulders. Project was shared with Cooper Township. See Cooper Township for project costs.		
Chaparral Street – Grand Prairie Avenue to Aspen Drive, Project No. 510222. HMA overlay.		78,159.34

LOCAL ROAD PRESERVATION
STRUCTURAL IMPROVEMENTS AND PREVENTIVE MAINTENANCE
Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	PREVENTIVE MAINTENANCE	STRUCTURAL IMPROVEMENT
Sherwood Park Plat – Alley #4, Project No. 510224. Re gravel.		1,127.67
TOWNSHIP TOTALS	**0.00**	**114,573.63**

• **OSHTEMO CHARTER TOWNSHIP** ~ 74.43 Local Road Miles

Signal Hill Drive – Nightingale Avenue south 210', Project No. 510207. Single HMA wedge.		9,252.97
Oshtemo Trace – KL Avenue south 40', Project No. 510209. Drainage correction including catch basin installation and HMA wedge.		5,125.73
Windrift Avenue – Ramblewood Drive west 425', Project No. 510208. Single HMA wedge.		16,551.03
Oshtemo Trace – KL Avenue south 1850' and **Oshtemo Court –** Oshtemo Trace west 312' and Upper Valley Trail – Oshtemo Trace west 135', Project No. 680142. Chip seal.	14,992.15	
Rose Arbour Avenue – 9th Street to 447' east of Bramble Drive and **Karabrook Court** – Ramblewood Drive west 240' and **Countrywood Court** – Ramblewood Drive west 300' and **Ramblewood Drive** – Torrington Road to H Avenue, Project No. 680143. Chip Seal.	37,564.35	
2nd Street – Almena Drive to M-43, Project No. 680148. Chip seal.	18,682.10	
Big Rock Drive –M-43 to M-43, Project No. 680149. Chip seal.	13,386.10	
5th Street –M-43 to H Avenue, Project No. 680150. Chip seal.	25,354.37	
Foxmoor Court – 350' east of Cross Country Drive to 340' west of Cross Country Drive and **Windcrest Court** – Cross Country Drive East 275' and **Steeplechase Court** – Cross Country Drive east 675' and **Farmwood Court** – Cross Country Drive west 193' and **Hawthorn Valley Avenue** – Cross Country Drive east 630' and **Arbor Valley Avenue** – Cross Country Drive east 630', Project No. 680151. Chip seal.	26,803.00	
KL Avenue –Almena Drive to 4th Street, Project No. 680152. Chip seal.	38,471.27	
Hobbit Circle – 4th Street west 565' and **Greystone Road** – Old Forest Drive to 4th Street and **Old Forest Drive** – Forest Creek Drive to 376' north of Greystone Road and **Forest Creek Drive** – Old Forest Drive to Stadium Drive, Project No. 680153. Chip seal.	21,682.25	
TOWNSHIP TOTALS	**196,935.59**	**30,929.73**

LOCAL ROAD PRESERVATION
STRUCTURAL IMPROVEMENTS AND PREVENTIVE MAINTENANCE
Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	PREVENTIVE MAINTENANCE	STRUCTURAL IMPROVEMENT
• **PAVILION TOWNSHIP** ~ 48.35 Local Road Miles		
RS Avenue – 28th Street west 3455', Project No. 510214. HMA overlay and gravel shoulders.		60,452.19
Greenfield Shore Drive – QR Avenue north 3530', Project No. 560147. HMA overlay and gravel shoulders.		74,421.10
O Avenue – 29th Street to 31st Street, Project No. 680160. Chip seal.	25,052.28	
O Avenue – 31st Street to 32nd Street, Project No. 680159. Chip seal.	17,099.55	
O Avenue – 32nd Street to 34th Street, Project No. 680226. Chip seal.	18,471.35	
TOWNSHIP TOTALS	**60,623.18**	**134,873.29**
• **PRAIRIE RONDE TOWNSHIP** ~ 52.11 Local Road Miles		
4th Street – XY Avenue to W Avenue, Project No. 510219. Mulitiple HMA wedging.		20,087.06
XY Avenue – 4th Street to 6th Street, Project No. 510218. Multiple HMA wedging.		11,686.23
YZ Avenue – 120' east of Prairie Brook Drive to 2315' west of US-131, Project NO. 510220. Multiple HMA wedging.		10,953.78
4th Street – XY Avenue to W Avenue, Project No. 680225. Chip seal.	22,275.58	
V Avenue – 2nd Street to 5th Street, Project No. 680161. Chip seal.	25,847.13	
TOWNSHIP TOTALS	**48,122.71**	**42,727.07**
• **RICHLAND TOWNSHIP** ~ 49.24 Local Road Miles		
F Avenue – N. Sprinkle Road east 2500', Project No. 510219. HMA overlay and gravel shoulders.		46,102.44
C Avenue – West Gull Lake Drive to Fraulin Drive and **Fraulin** Drive – C Avenue to Werner Street and **Werner Street** – C Avenue to Faulin Drive and **Ricker Street** – C Avenue to Fraulin Drive and **Fraulin Circle** – Fraulin Drive to Fraulin Drive. HMA overlay and shoulder restoration.		53,965.75

LOCAL ROAD PRESERVATION
STRUCTURAL IMPROVEMENTS AND PREVENTIVE MAINTENANCE
Including Administrative and Equipment Allocations

PROJECT DESCRIPTION	PREVENTIVE MAINTENANCE	STRUCTURAL IMPROVEMENT
30th Street – M-43 to Englewood Avenue, Project No. 680158. Chip seal.	17,804.86	
FG Avenue – 35th Street to 36th Street, Project No. 680195. HMA wedging and Chip seal.	20,732.07	
B Avenue – 24th Street to M-89, Project No. 680196. HMA wedging at multiple locations and Chip seal.	40,716.43	
TOWNSHIP TOTALS	**79,253.36**	**100,068.19**

• **ROSS TOWNSHIP** ~ 53.53 Local Road Miles

Fernwood Drive – M-89 to Trillium Drive and Trillium Drive – Fernwood Drive north 2890'. Project No. 510215. HMA wedging at various locations.		20,123.75
Idlewild Drive – 3051' west of 37th Street to 1640' east of 37th Street and **Wild Drive** – Idlewild Drive east 484' and **Idle Drive** – 37th Street to Idlewild Drive, Project No. 680141. Chip seal.	17,854.95	
Sherman Lake Drive – 39th Street west 3341', Project No. 68017.. HMA wedging at multiple locations and chip seal.	24,316.08	
East Gull Lake Drive – D Avenue to C Avenue, Project No. 680197. HMA wedging at multiple locations and chip seal.	42,005.90	
TOWNSHIP TOTALS	**84,176.93**	**20,123.75**

• **SCHOOLCRAFT TOWNSHIP** ~ 36.18 Local Road Miles

23rd Street – U Avenue to T Avenue and U Avenue – 22nd Street. Project No. 510217. HMA wedging at multiple locations.		32,284.09
14th Street – YZ Avenue to XY Avenue, Project No. 680169. Double seal.	81,184.49	
Oakland Drive – VW Avenue to 5350' north of U Avenue, Project No. 680170. Crack Sealing.	13,303.22	
Oakland Drive – VW Avenue to U Avenue, Project No. 680171. Chip seal.	26,753.86	

PROJECT DESCRIPTION	PREVENTIVE MAINTENANCE	STRUCTURAL IMPROVEMENT
V Avenue – 18th Street to Portage Road, Project No. 680172. Chip seal.	19,139.13	
TOWNSHIP TOTALS	**140,380.70**	**32,284.09**

• **TEXAS CHARTER TOWNSHIP** ~ 88.80 Local Road Miles

Stoney Brook Road – Farmington Avenue to Thrasher Court, Project No. 510227. Ultra Thin Overlay.		26,961.81
O Avenue – 1st Street to 4th Street and **RS Avenue** – 2nd Street to 6th Street and **Kaleb Kove Street** – Kendall Arbor Avenue to Texas Heights Avenue and **Logan Bay Street** – Kendall Arbor Avenue to Texas Heights Avenue and **Keenan Street** – Kendall Arbor Avenue to Texas Heights Avenue and **Leelanau Street** – Kendall Arbor Avenue to Texas Heights Avenue and **Copper Harbor Street** – Kendall Arbor Avenue to Texas Heights Avenue and **Kendall Arbor Avenue** – Copper Harbor Street to Kaleb Kove Street, Project No. 680104. Crack sealing.	20,346.67	
Finnigan Street – Q Avenue to PQ Avenue, Project No. 680163. Cape seal.	33,210.48	
2nd Street – S Avenue to RS Avenue, Project No. 680164. Chip seal.	9,834.96	
Saddle Club Drive – Stoney Brook Road to Dunwoody Court and **Dunwoody Court** – Saddle Club Drive south 580' and **Stoney Brook Road** – 80' south of Braeburn Court to Farmington Avenue and **Braeburn Court** – Stoney Brook Road east 290' and **Vista Ridge** – Stoney Brook Road west 375' and **Bramblewood Drive** – Brandy Chase Avenue to Stoney Brook Road and **Brandy Chase Avenue** – Bramblewood Drive to Cobblewood Drive and **Cobblewood Drive** – 490' south of Brandy Chase Avenue to Stoney Brook Road, Project No. 680165. Cape seal.	83,153.97	
Keweenaw Street – Texas Heights Avenue to Tawas Avenue and **Tawas Avenue** – Interlochen Street to Keweenaw Street and **Machinaw Cove** – Interlochen Street east 265' and **Interlochen Street** – Texas Heights Avenue to Q Avenue, Project No. 680166. Cape seal.	44,820.02	
Sierra Madre Trail – Appalachian Trail to 6th Street and **Teton Trail** – Mystic Trail to Sierra Madre Trail, Project No. 680176. Cape seal.	30,477.56	

- LOCAL ROAD PRESERVATION
- STRUCTURAL IMPROVEMENTS AND PREVENTIVE MAINTENANCE
- Including Administrative and Equipment Allocations

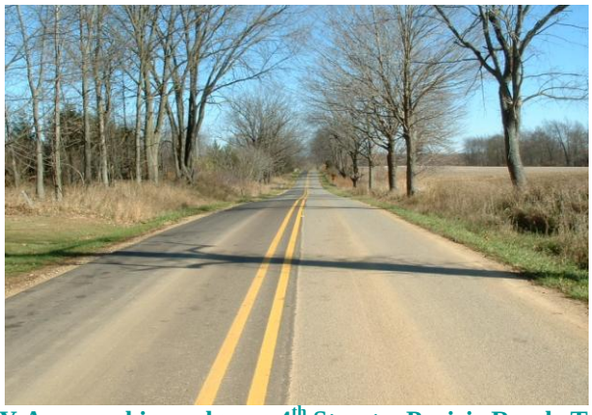
PROJECT DESCRIPTION	PREVENTIVE MAINTENANCE	STRUCTURAL IMPROVEMENT
NCC Parkway – 9th Street west 1875', Project No. 680177. Multiple HMA wedges and chip seal.	31,895.32	
TOWNSHIP TOTALS	**253,738.98**	**26,961.81**

• **WAKESHMA TOWNSHIP** ~ 47.52 Local Road Miles

44th Street – X Avenue to W Avenue, Project No. 510999. Gravel installation to complete 2010 project.		2,768.72
U Avenue – 39th Street to 42nd Street, Project No. 510213. Pulverized road and graveled.		44,166.09
38th Street – W Avenue to V Avenue, Project No. 680174. Chip seal.	16,730.77	
44th Street – V Avenue south 700', Project No. 680175. Chip seal.	3,010.81	
TOWNSHIP TOTALS	**19,741.58**	**46,934.81**

Total Local Road Preventive Maintenance And Preservation Structural Improvements	**971,761.00**	**1,423,994.51**

Oak Highlands Plat Chip Seal – Oshtemo Twp



XY Avenue skip wedge on 4th Street – Prairie Ronde Twp

LOCAL ROAD ROUTINE MAINTENANCE EXPENDITURES AND REVENUES

Including Administrative and Equipment Allocations

Township	Michigan Transportation Fund Revenues	Township Revenue for Maintenance	Total Revenue for Maintenance	Less Maintenance Expenditures	Difference By Township
Alamo	95,755.68	1,017.49	96,773.17	209,013.58	112,240.41
Brady	118,472.44	7,746.64	126,219.08	194,824.49	68,605.41
Charleston	51,658.53	1,072.10	52,730.63	133,145.92	80,415.29
Climax	90,160.50	4,677.48	94,837.98	165,232.77	70,394.79
Comstock	357,084.48	465.50	357,549.98	271,036.62	(86,513.36)
Cooper	238,392.88	0.00	238,392.88	300,593.06	62,200.18
Kalamazoo	457,997.80	441.00	458,438.80	328,150.41	(130,288.39)
Oshtemo	359,928.00	882.00	360,810.00	377,344.25	16,534.25
Pavilion	161,169.03	0.00	161,169.03	111,484.17	(49,684.86)
Prairie Ronde	94,126.29	42,424.69	136,550.98	238,399.08	101,848.10
Richland	237,093.63	2,009.00	239,102.63	306,156.71	67,054.08
Ross	147,955.89	3,616.39	151,572.28	335,382.33	183,810.05
Schoolcraft	157,348.87	0.00	157,348.87	104,509.88	(52,838.99)
Texas	325,124.66	0.00	325,124.66	404,841.38	79,716.72
Wakeshma	80,239.85	8,106.97	88,346.82	203,359.81	115,012.99
Total	**2,972,508.53**	**72,459.26**	**3,044,967.79**	**3,683,474.46**	**638,506.67**

Local Road Routine Maintenance includes winter snow removal, roadside mowing, pavement marking, traffic signal maintenance, dust control, gravel road grading, pot-hole repair, etc.

The chart above represents, for 2010, the total revenue collected less the total expenditures to arrive at either a deficit or surplus, by township, for the local road routine maintenance activities. The MTF (Michigan Transportation Fund) revenue received includes local mileage, local urban mileage, and a factor for population. KCRC receives MTF as a collective amount based on the county as a whole. This data is presented for illustrative purposes only, and reflects the expenditures by township outside of annual projects. As you can see, KCRC must annually apply primary road dollars to cover the deficit for local road routine maintenance expenditures. Please note weather and other issues may result in activity expenditures varying across the county.

1st Street south of U Avenue – Prairie Ronde Township

ROUTINE MAINTENANCE EXPENDITURES

For Calendar Year Ending December 31, 2010

Including Administrative and Equipment Allocations

	2010		2009		
	Cost	Average Cost Per Mile	Cost	Average Cost Per Mile	Increase (Decrease) Per Mile
PRIMARY ROAD SYSTEM	449.18 Miles		449.18 Miles		
Surface Maintenance	543,493.80	1,209.97	811,582.49	1,806.80	(596.83)
Roadside Maintenance	853,987.57	1,901.23	796,361.32	1,772.91	128.32
Traffic Control	510,953.00	1,137.52	796,939.22	1,774.20	(636.68)
Winter Maintenance	885,827.97	1,972.09	1,144,285.78	2,547.47	(575.38)
Total	**2,794,262.34**	**6,220.81**	**3,549,168.81**	**7,901.38**	**(1,680.57)**
LOCAL ROAD SYSTEM	814.56 Miles		814.02 Miles		
Surface Maintenance	1,796,364.72	2,205.32	2,137,816.70	2,626.25	(420.93)
Roadside Maintenance	920,989.39	1,130.66	1,030,147.14	1,265.51	(134.85)
Traffic Control	134,811.75	165.50	230,554.27	283.23	(117.73)
Winter Maintenance	831,308.59	1,020.56	1,094,030.98	1,343.99	(323.43)
Total	**3,683,474.45**	**4,522.04**	**4,492,549.09**	**5,518.98**	**(996.94)**

Tree Crew – Comstock Township

COMBINED BALANCE SHEET
For Calendar Year 2010

ASSETS

General Operating Fund			
Cash Account		2,057,620.18	
Interest Bearing Deposits		2,580,338.45	
Accounts Receivable:			
Michigan Transportation Fund	1,983,362.75		
Due from State-Other	3,075.60		
Due on County Road Agreements	156,869.27		
Due on Special Assessments	101,946.35		
Sundry Accounts Receivable	7,365.35	2,252,619.32	
Inventories:			
Equipment Material	44,549.67		
Road Material	703,672.50	748,222.17	
Advances - Township		54,850.96	
Prepaid Insurance		170,916.66	
Deferred Expense - STP, Safety, Critical Bridge		234,592.19	
Total General Operating Assets			8,099,159.93
FIXED ASSET GROUP			113,804,546.51
TOTAL ASSETS			**121,903,706.44**

LIABILITIES AND FUND EQUITIES

Accounts Payable		555,946.96	
Accrued Liability		177,846.93	
Deferred Revenue - Special Assessment		101,946.35	
Deferred Revenue - Heavy Maintenance Project			
Escrow Agreements		3,735.00	
Kalamazoo River Trailway		60,934.16	
Kalamazoo Area Transportation Study		32,011.74	
Advances: Townships		54,850.96	
Available Operating Equity:			
Primary Road - Reserved	4,596,508.85		
Local Road - Reserved	0.00		
Road Commission	2,515,378.98	7,111,887.83	
Total General Operating Liabilities and Equity			8,099,159.93
FIXED ASSET GROUP			
Plant and Equipment Equity			113,804,546.51
TOTAL LIABILITIES AND FUND EQUITIES			**121,903,706.44**

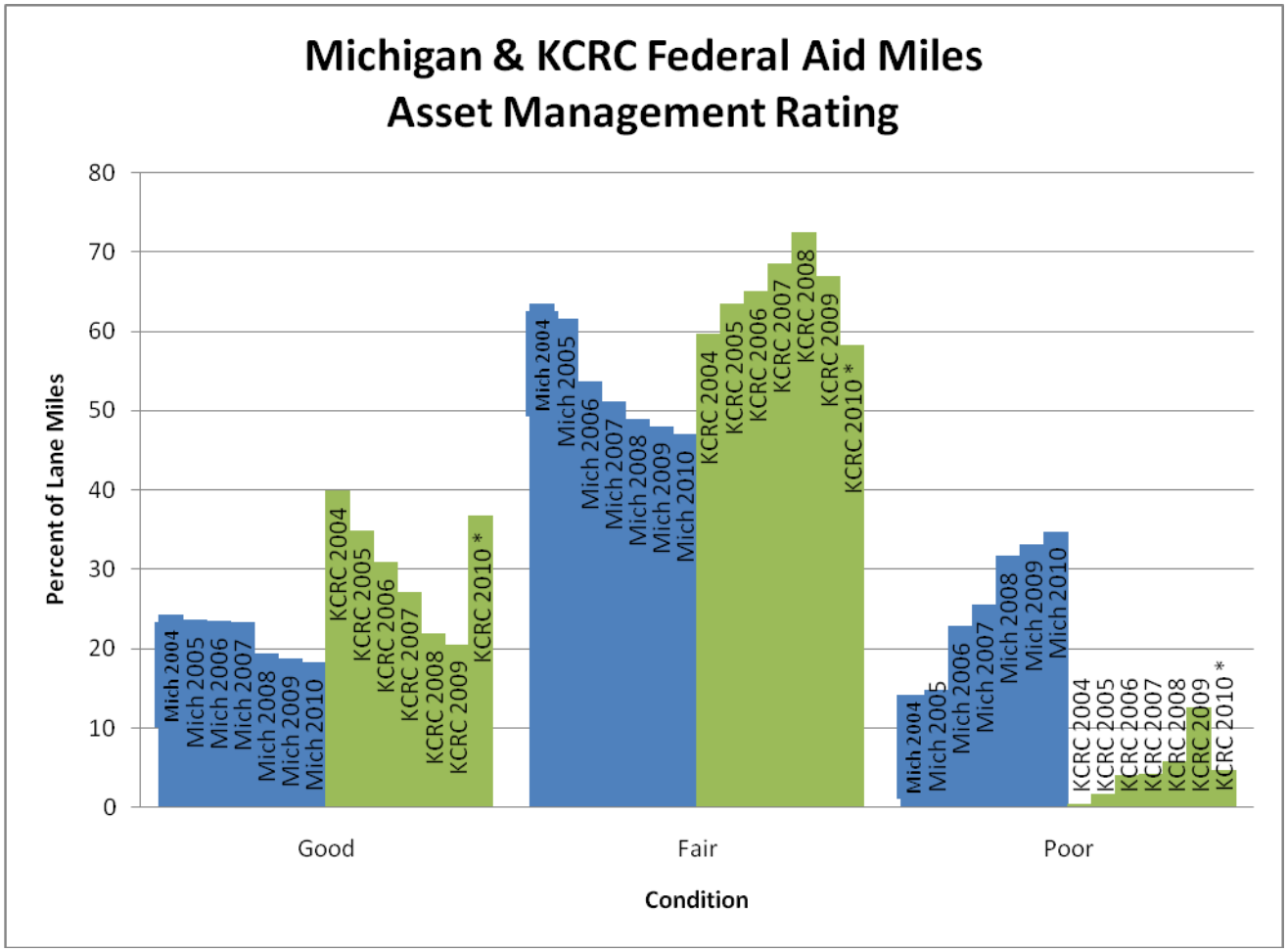
STATEMENT OF REVENUES AND EXPENDITURES
For Calendar Year Ending December 31, 2010
Including Administrative and Equipment Allocations

	Primary Road Fund	Local Road Fund	Road Commission Fund	Total
REVENUE				
Michigan Transportation Fund	9,604,689.29	2,970,598.65	0.00	12,575,287.94
Optional Transfer	(1,609,561.36)	1,609,561.36	0.00	0.00
Critical Bridge Fund	645,980.02	0.00	0.00	645,980.02
Snow Removal Fund	1,053.88	1,909.88	0.00	2,963.76
Other State Revenue	2,341.20	830.41	0.00	3,171.61
Economic Development Fund	0.00	0.00	0.00	0.00
Federal Revenue	1,628,957.88	0.00	12,326.68	1,641,284.56
County Raised Revenue	62,912.20	1,345,228.98	69,721.59	1,477,862.77
Gain on Disposal of Equipment	0.00	0.00	31,355.69	31,355.69
Gain on Disposal of Property	0.00	1,389,304.00	0.00	1,389,304.00
Miscellaneous Revenue	25,798.30	1,624.35	18,542.13	45,964.78
Total Revenue	**10,362,171.41**	**7,319,057.63**	**131,946.09**	**17,813,175.13**
EXPENDITURES				
Construction/Capacity Improvement	278,294.55	1,389,304.00	0.00	1,667,598.55
Preservation - Structural Improvement	4,495,964.57	1,334,983.17	0.00	5,830,947.74
Routine and Preventive Maintenance	4,481,317.04	4,364,146.87	0.00	8,845,463.91
Other: Non-Motorized Pathway	0.00	0.00	61,584.61	61,584.61
Administration	617,700.44	473,069.28	0.00	1,090,769.72
Interest Expense	0.00	0.00	0.00	0.00
Equipment Account	(196,975.96)	(242,445.69)	(7,235.85)	(446,657.50)
	9,676,300.64	7,319,057.63	54,348.76	17,049,707.03
Non-Operating Expenditures				
* Net Capital Outlay	0.00	0.00	(163,269.92)	(163,269.92)
Total Expenditures	**9,676,300.64**	**7,319,057.63**	**(108,921.16)**	**16,886,437.11**
Increase (Decrease) in Available Operating Fund	685,870.77	0.00	240,867.25	926,738.02
Total Allocated Expenditures	**10,362,171.41**	**7,319,057.63**	**131,946.09**	**17,813,175.13**

*Net Capital Outlay - Expenditures less depreciation and depletion.

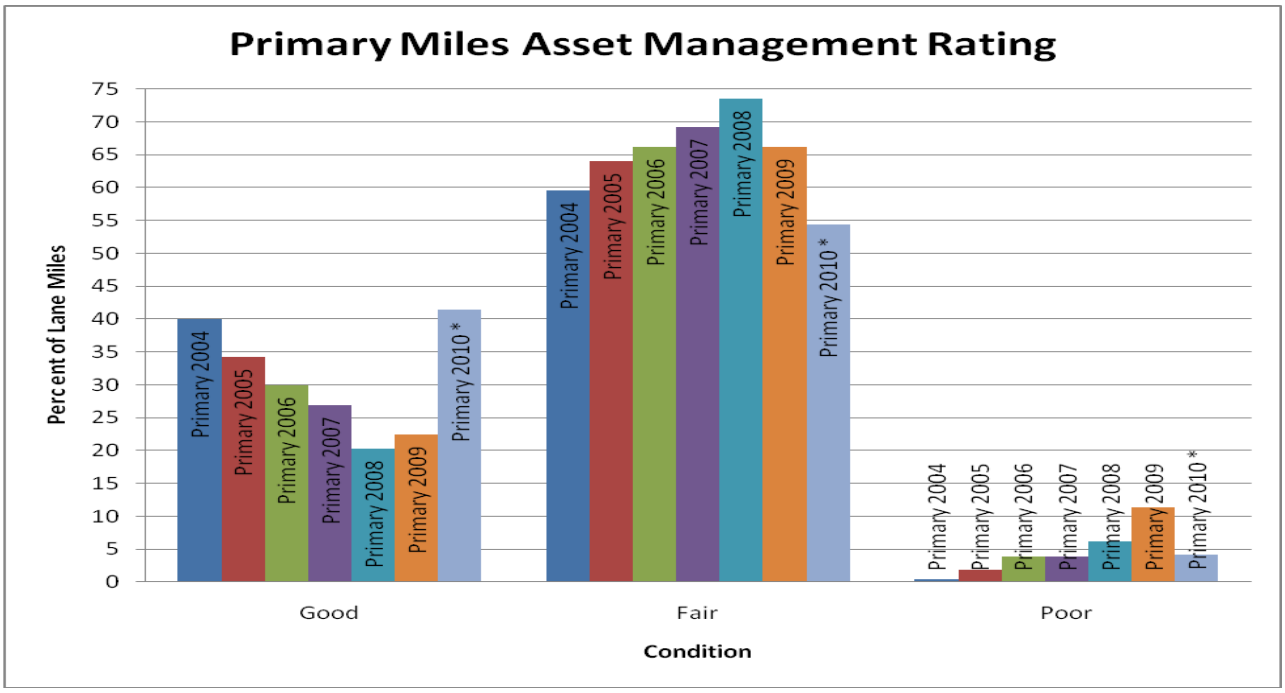
Michigan & KCRC Federal Aid Miles – Asset Management Rating

2004 thru 2010

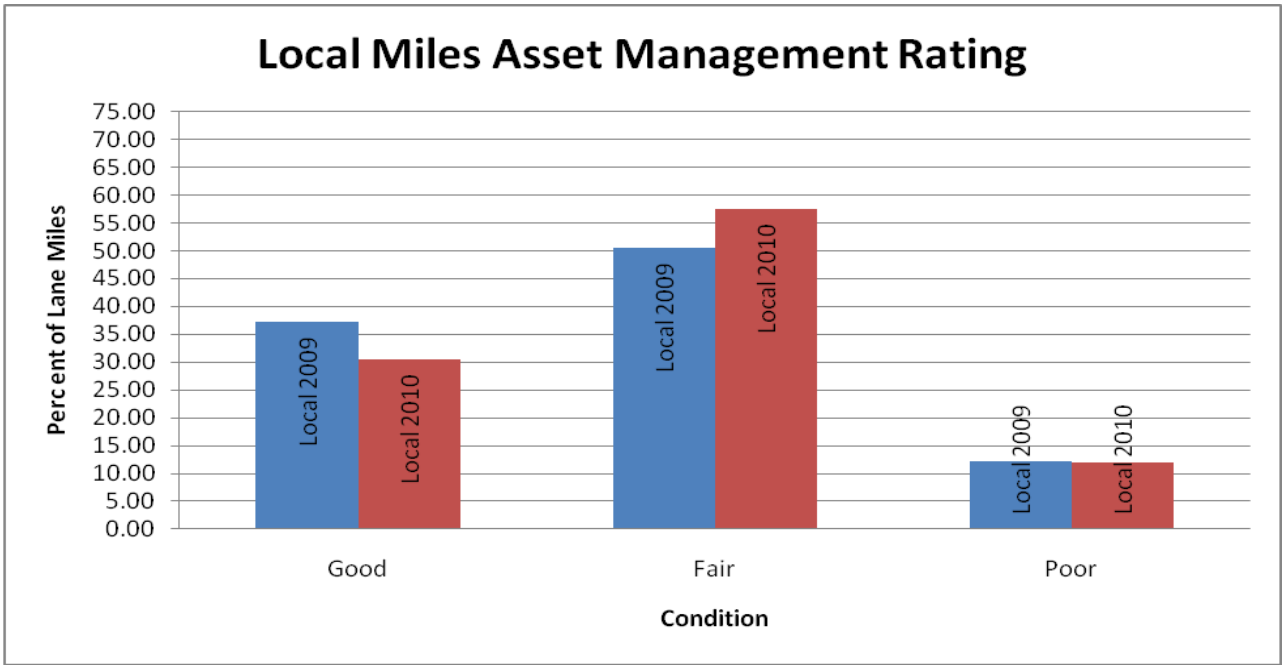


*KCRC 2010 data represents half of County road network, remaining half to be rated in 2011

Asset Management Ratings
2004 thru 2010

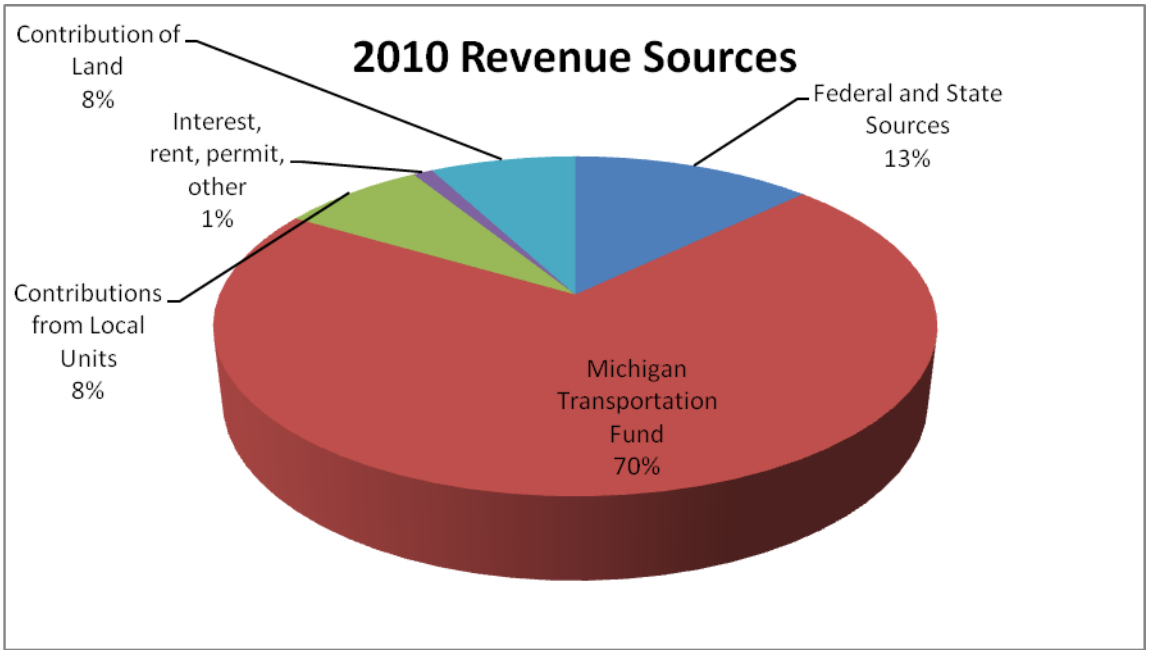


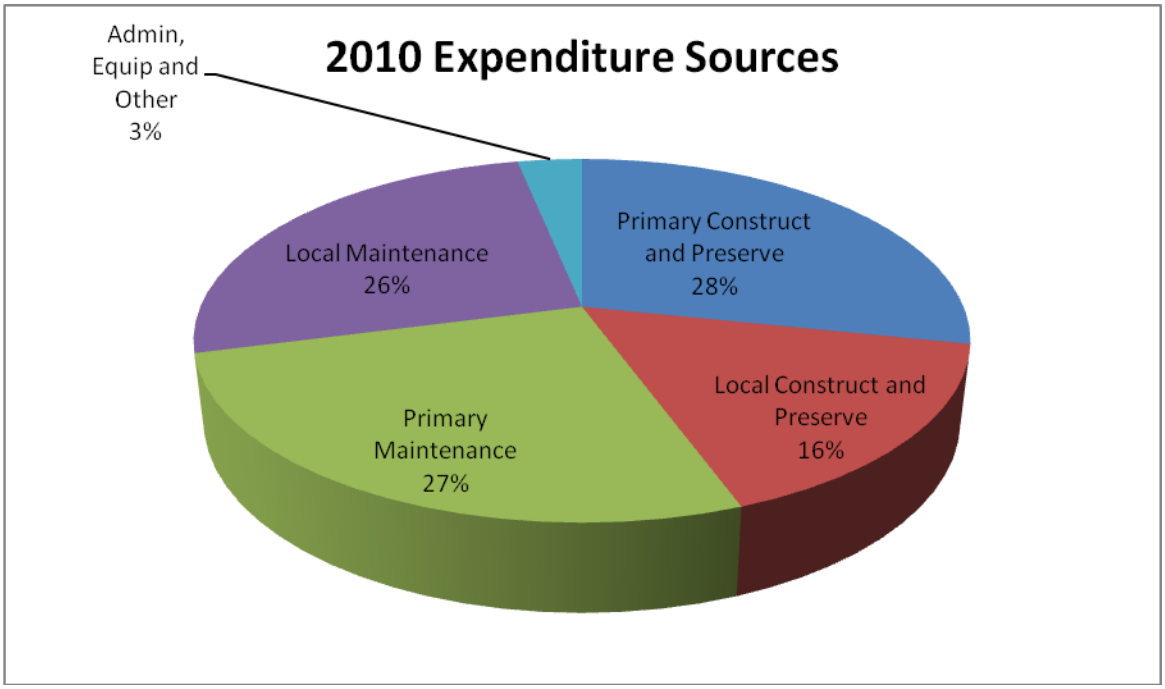
*KCRC 2010 data represents half of County road network, remaining half to be rated in 2011



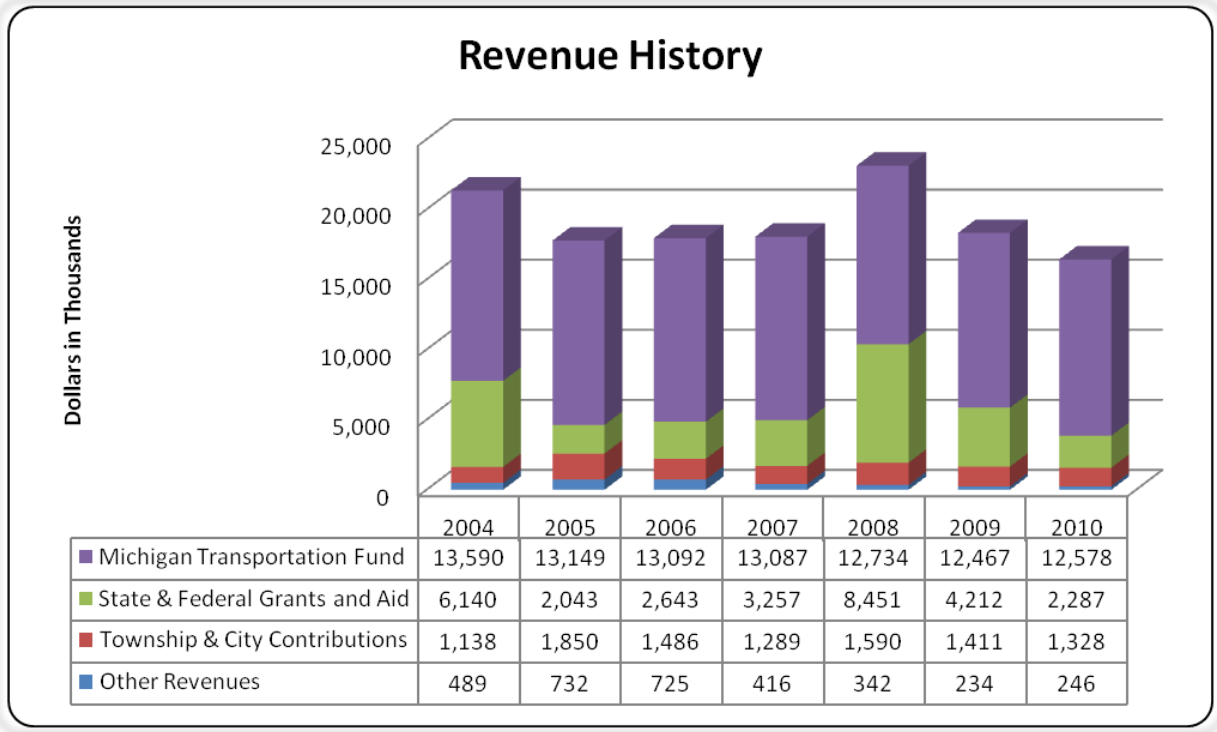
For 2009 and 2010 rating data has been collected for 10 townships out of a total of 15

Revenues and Expenditures
2010

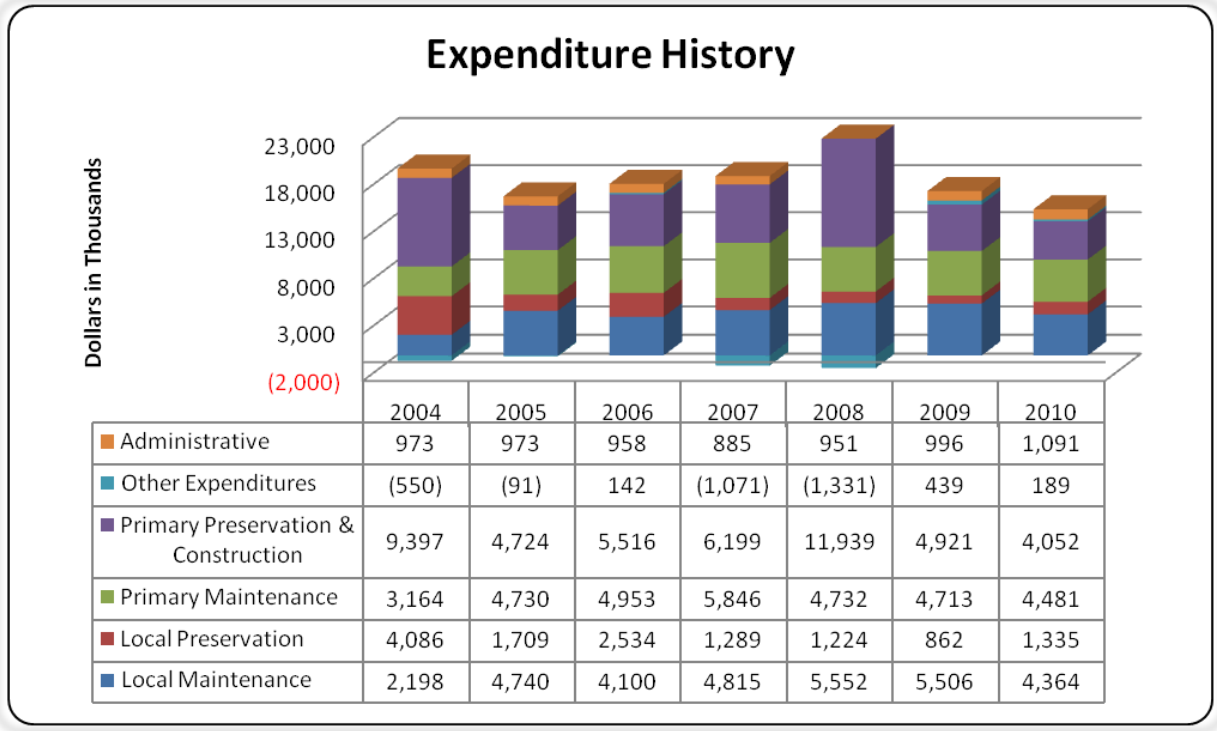




Revenue and Expenditure History
2004 thru 2010



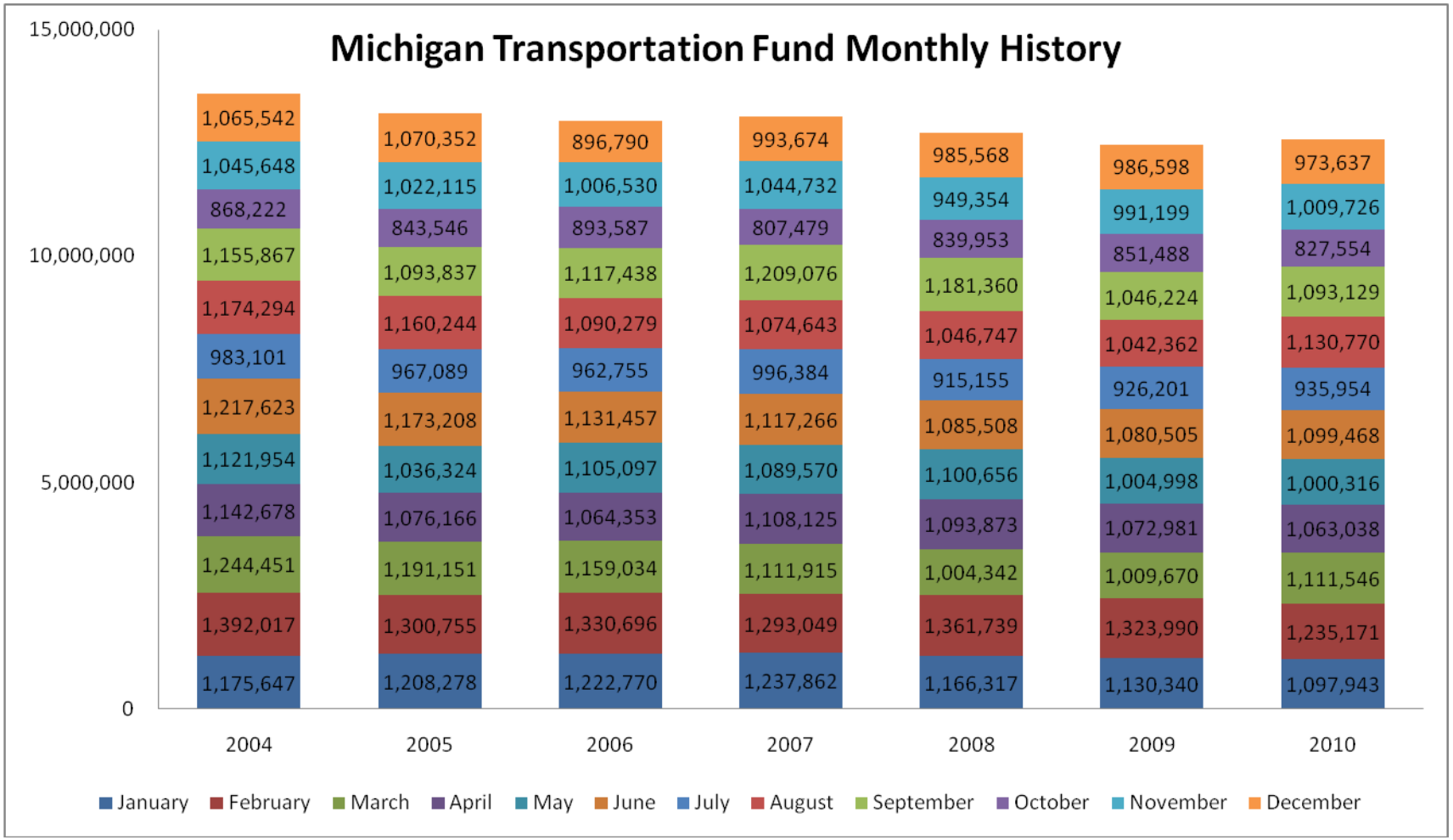
	2004	2005	2006	2007	2008	2009	2010
Michigan Transportation Fund	13,590	13,149	13,092	13,087	12,734	12,467	12,578
State & Federal Grants and Aid	6,140	2,043	2,643	3,257	8,451	4,212	2,287
Township & City Contributions	1,138	1,850	1,486	1,289	1,590	1,411	1,328
Other Revenues	489	732	725	416	342	234	246



	2004	2005	2006	2007	2008	2009	2010
Administrative	973	973	958	885	951	996	1,091
Other Expenditures	(550)	(91)	142	(1,071)	(1,331)	439	189
Primary Preservation & Construction	9,397	4,724	5,516	6,199	11,939	4,921	4,052
Primary Maintenance	3,164	4,730	4,953	5,846	4,732	4,713	4,481
Local Preservation	4,086	1,709	2,534	1,289	1,224	862	1,335
Local Maintenance	2,198	4,740	4,100	4,815	5,552	5,506	4,364

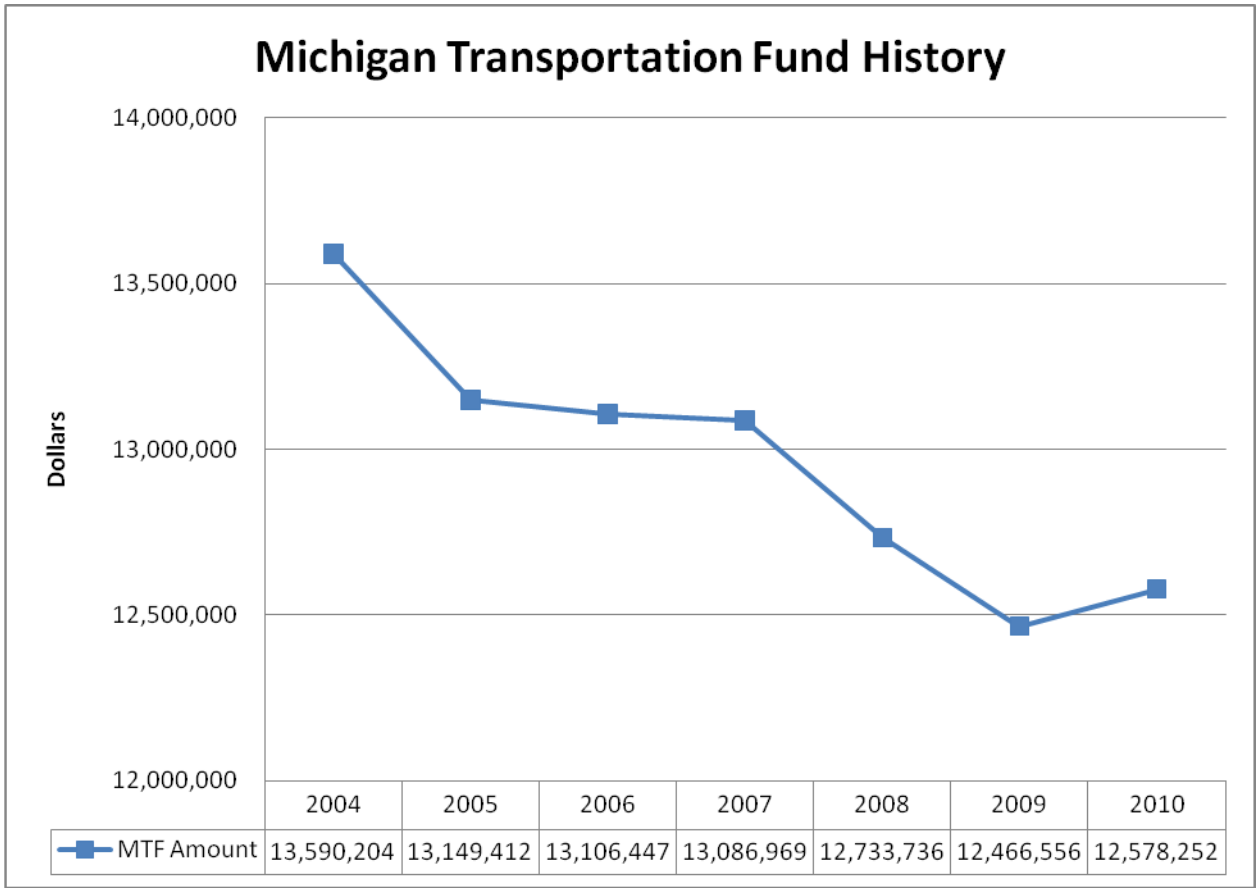
Michigan Transportation Fund Monthly History

2004 thru 2010



Michigan Transportation Fund History

2004 thru 2010



	2004	2005	2006	2007	2008	2009	2010
MTF Amount	13,590,204	13,149,412	13,106,447	13,086,969	12,733,736	12,466,556	12,578,252

Winter Maintenance Expenditure and Snowfall Totals

2006 thru 2010

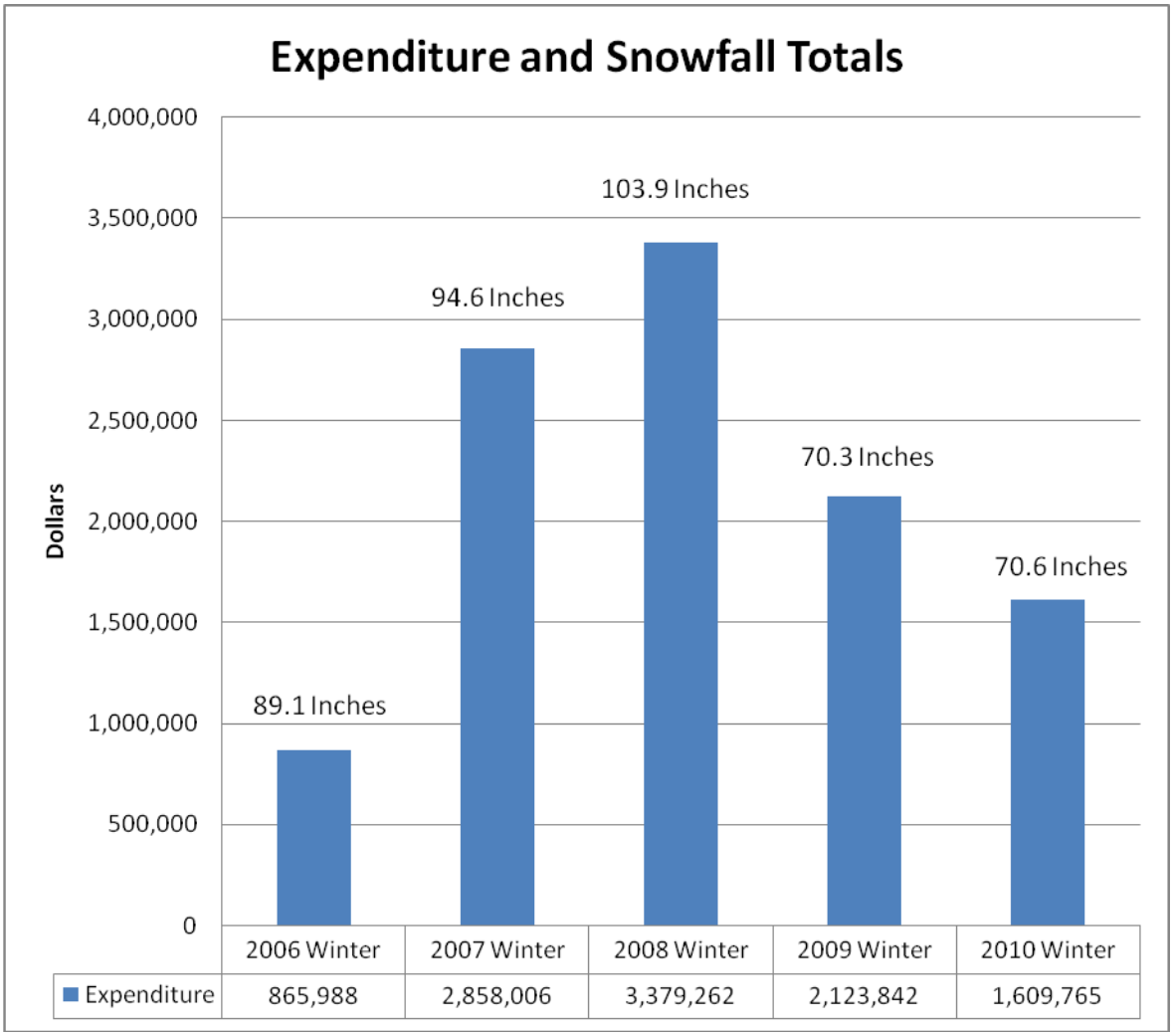


TABLE OF ORGANIZATION

December 2010

BOARD OF COUNTY ROAD COMMISSIONERS OF KALAMAZOO COUNTY

Kent L. McCauley - Chairman • Kenneth R Oscarson - Vice Chairman
Dennis J. Berkebile • Jeffrie M. Maddox • Daniel J. Moyle - Members

Managing Director
Joanna I. Johnson

Traffic Services

Traffic Services Director
John C. Byrnes

Traffic Engineering Technician
Dwight E. Leeks

Roads and Equipment

General Superintendent
Travis Bartholomew

Area Superintendents
James Beaudoin
Jeff Daughtry
William DeYoung
Terry Tilley

Equipment & Facilities Superintendent
Robert DeLeon

Engineering

Chief Engineer
Thomas J. Hohm

Project Engineer
Paul Spitzley

Permit Agent
Brian Franklin

Engineering Technician
Eric Augst

Finance

Finance Director
Carla Benison

Accountant
Diane DeWaters

Account Clerk
Debra L. Hill

Administrative Assistant
Nancy Ryan

Roads/Equipment Department

Job Group #1
Phil Affhalter
Tarrance DeKilder
Randall Dugan
Todd Hill
Tim Landrum
Jim Mezo
Rick McClish
John Welborn

Job Group #2
James Collins
Roy Cook
James Frederick
John Hayward
Peter Snyder
Bruce Stockwell

Job Group #3
David Blakley
James Brown
Samuel Cloud
Nicholas DeRyke
Ken Dyer
Donald Easley
Paul Erb
Jonathan Fitzsimmons
Melvin Guyton
Jefferey Hopkins
Allen Lampp
Alan McKay
Jay Mikkelborg
Gary Nyberg
Joseph Peck
Aaron Srackangast
Michael Steele

101 YEARS OF SERVICE

The Kalamazoo County Road Commission was formed by a vote of the people in 1909. Five county residents are appointed by the Kalamazoo County Board of Commissioners to serve staggered six-year terms as road commissioners. To better serve our County and local officials, each Road Commissioner has also been assigned as liaison to a township.

MEET THE 2010 ROAD COMMISSIONERS

Kent L. McCauley – Chairman
Mr. McCauley was appointed to the road commission in January 2007. He was elected Chairman of the Board in 2010 and served as Vice Chairman in 2009. A Vicksburg resident, he serves on the School Board Foundation and United Way. He also has been active with the Vicksburg Village Council, Michigan Road Builders Association, American Underground Contractors, Michigan Asphalt and Paving Association, Michigan Aggregate Association and Parks & Recreation Commission. Mr. McCauley is a sales representative with ALTA Equipment Company. His term expires 12/31/2012. Township representation: Brady, Climax, and Pavilion townships.

Kenneth R. Oscarson – Vice Chairman
Mr. Oscarson was appointed to the commission in November 2007. He was elected Vice Chairman of the Board in 2010. A Schoolcraft Township resident, Mr. Oscarson has worked with county road commissions for over 36 years as a professional engineer and has been active in municipal consulting for villages and townships. He has experience as a Planning Commissioner and Zoning and Building boards of appeals. Mr. Oscarson was most recently employed by Fleis & Vandenbrink. His term expires 12/31/2016. Township representation: Kalamazoo, Prairie Ronde, and Wakeshma townships.

Dennis J. Berkebile – Member
Mr. Berkebile was appointed to the road commission in January 2005 and served as Chairman in 2005 and 2006 and Vice Chairman in 2007 and 2008. He has been involved in community activities throughout his career, both in Indiana and Michigan. A Texas Township resident, he has been a member of the township's board, zoning board of appeal and planning commission. He serves as Chairman of the Michigan Works Board. He also serves on the Food Bank of South Central Michigan,Salvation Army, Hospital Hospitality House, and the Youth for Christ and Portage Rotary boards. He also served on the Board of Directors of MCR Industries and Kalamazoo Area Transportation Study Policy Committee. Since 1996, Mr. Berkebile has been employed by Consumers Energy for whom currently serves as area manager. His term expires 12/31/2016. Township representation: Charleston, Schoolcraft, and Texas townships.

Jeffrie M. Maddox – Member
Mr. Maddox, a Galesburg resident, joined the commission in January 2005 and was reappointed in January 2009. He was elected Chairman of the Board in 2007, 2008 and 2009 and served as Vice Chairman in 2005 and 2006. Mr. Maddox was a member of the board of directors of the Home Builders Association of Greater Kalamazoo from 2001 - 2005. His career has included extensive sales and management experience. Mr. Maddox has been with Bel-Aire Heating & Air Conditioning since 1995. Currently, he is the company's sales manager. His term expires 12/31/2014. Township representation: Comstock, Cooper, and Ross townships.

Daniel J. Moyle – Member
Mr. Moyle was appointed to the road commission in November 2007. A Texas Township resident, Mr. Moyle has many years of experience managing a company that maintained and constructed highways, roads and airports. He currently serves on the Environmental Health Advisory Council. Mr. Moyle is now retired from Globe Construction Company. His term expires 12/31/2012. Township representation: Alamo, Oshtemo, and Richland townships.

Dennis J. Berkebile Kent L. McCauley Jeffrie M. Maddox Kenneth R Oscarson Daniel J. Moyle

Kalamazoo County Road Commission

3801 East Kilgore Road – Kalamazoo, Michigan 49001
Telephone - (269) 381-3171 – Fax - (269) 381-1760
www.kalamazoocountyroads.com