



**BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF KALAMAZOO  
JOINT MEETING WITH THE KALAMAZOO COUNTY BOARD OF COMMISSIONERS  
AGENDA**

**NOVEMBER 17, 2015  
2:00 P.M.**

Please take notice that a meeting of the Board of County Road Commissioners of the County of Kalamazoo is scheduled for the above stated date and time at the Office Building of the Road Commission located at 3801 East Kilgore Road, Kalamazoo, Michigan, for the purpose of considering the following items:

**Call to Order – Welcome**

**Approval of Agenda**

**Citizen input on Non-agenda Items**

- A. Road Funding: Governor Snyder Road Package November 10, 2015**
- B. Projects – 2015 Local and Primary Road Projects by Township Summary Provided**
- C. Speed Limits – Brochure Provided**
- D. Encroachments in the Right-of-Way/Mailboxes – Brochure Provided**

**Adjourn**

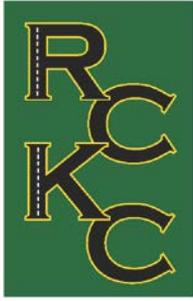
Meetings of the Board of County Road Commissioners of the County of Kalamazoo are held in accordance with the Open Meetings Act (Act 67 of 1976, as amended) and are also open to the public without regard to race, color, national origin, sex, or handicap. If special aid or assistance is required to attend a Board meeting, please submit a request to: Road Commission of Kalamazoo County 3801 E. Kilgore Road Kalamazoo, MI 49001 Telephone: (269) 381-3171-Fax: (269) 381-1760- Email: [info@krcr-roads.com](mailto:info@krcr-roads.com) Website: [www.kalamazoocountyroads.com](http://www.kalamazoocountyroads.com)



# BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF KALAMAZOO

## Public Comment Guidelines:

- Only after being acknowledged by the Chair or Acting Chair, shall a member of the public in attendance initiate their presentation.
- Please consider adding your contact information on the sign-in sheet provided.
- Any member of the public wishing to present statements, comments or questions to the Board under the provisions of this policy, shall identify themselves by name, their address, if they represent an organization, and the issues being discussed in their presentation.
- These comments, statements or questions shall be **limited to not more than three (3) minutes** for each person addressing the Board. Minutes will not be allowed to be donated to others to increase time limitations.
- While all comments, statements and questions will be received by the Board it will be at the discretion of the Board or Board Members to respond at that time or to refer to staff for response at a later time or to the Road Commission's files.
- The Board appreciates receiving any written documents, photos, drawings, etc. as part of the resident(s) presentation during the opportunity for public comment.



# Memo

**To: Board of County Road Commissioners of the County of Kalamazoo**

**From: Joanna I. Johnson, Managing Director**

**CC: RCKC Staff**

**Date: 11/13/2015**

**Re: Board Weekly Report**

**Joint County Board Meeting 2:00pm**

**A. Road Funding: Governor Snyder signed Road Package November 10, 2015**

Estimated Distribution Provided: Below is a snap shot of the funding bills approved: (Source: County Road Association)

- **House Bill (HB) 4736 Vehicle Registration Fees (approximately \$200 million)**
  - Approximately 20% increase
  - Electric hybrid under 8,000 lbs., pay additional \$30
  - Electric hybrid over 8,000 lbs. pay an additional \$100
  - Non-electric hybrid under 8,000 lbs. pay an additional \$100
  - Non-electric hybrid over 8,000 lbs. pay an additional \$200
  - Creates an alternative fuel tax
- **HB 4738 Fuel Taxes (approximately \$400 million)**
  - Increases fuel (gas, diesel and diesel parity) taxes beginning January 1, 2017
    - Gasoline increases by 7.3 cents
    - Diesel increases by 11.3 cents
  - Indexing begins January 1, 2022
  - \$100 million “lock box” to be released after Michigan Department of Transportation (MDOT) completes report and Joint Resolution passed.
  - MDOT’s off –the-top debt service increases from \$43 to \$50 million
  - There is an alternative fuel tax component
- **HB 4370 General Funds to the Michigan Transportation Fund (MTF)**
  - \$150 million – 2019
  - \$325 million – 2020
  - \$600 million – 2021 and beyond
- **Senate Bill (SB) 414 Homestead Property Tax**
  - Household Resources Cap = \$60,000
  - Income Multiplier = 3.2% in tax year 2018
  - Maximum Credit = \$1,500 in tax year 2018
  - Increase Rental Credit
  - Taxable Value Threshold (\$135,000), Household Resources Cap, and maximum credit amount indexed beginning tax year 2021.

**B. Projects – 2015 Local and Primary Road Projects by Township Summary Provided**

**C. Speed Limits – Brochure Provided**

**D. Encroachments in the Right-of-Way/Mailboxes – Brochure Provided**

## Estimated Distribution Schedule for Michigan Transportation Funding by County

County	Actual MTF Revenues Fiscal Year 2015	Estimated Additional** Revenues in FY 2017 Above 2015 Actual	Estimated Additional** Revenues in FY 2018 Above 2015 Actual	Estimated Additional** Revenues in FY 2019 Above 2015 Actual	Estimated Additional** Revenues in FY 2020 Above 2015 Actual	Estimated Additional** Revenues in FY 2021 Above 2015 Actual	Total Revenues in FY 2021
Alcona	2,520,417.90	604,563.38	797,725.89	1,032,028.48	1,304,728.49	1,730,626.36	4,251,044.26
Alger	2,151,683.81	453,183.23	597,978.64	773,612.83	978,029.90	1,297,284.69	3,448,968.50
Allegan	8,955,936.12	2,144,160.13	2,829,235.26	3,660,218.88	4,627,383.79	6,137,884.14	15,093,820.26
Alpena	3,269,242.96	785,337.32	1,036,258.44	1,340,621.16	1,694,862.77	2,248,110.76	5,517,353.72
Antrim	3,539,056.49	782,039.11	1,031,906.43	1,334,990.93	1,687,744.79	2,238,669.30	5,777,725.79
Arenac	2,482,311.69	600,181.78	791,944.34	1,024,548.81	1,295,272.41	1,718,083.56	4,200,395.25
Baraga	2,111,942.24	442,328.02	583,655.11	755,082.29	954,602.90	1,266,210.51	3,378,152.75
Barry	4,874,306.31	1,180,807.81	1,558,084.71	2,015,714.69	2,548,340.89	3,380,186.70	8,254,493.01
Bay	7,824,366.01	1,891,593.81	2,495,972.13	3,229,072.01	4,082,311.98	5,414,886.49	13,239,252.50
Benzie	2,670,367.49	611,223.28	806,513.68	1,043,397.36	1,319,101.44	1,749,691.01	4,420,058.50
Berrien	10,834,507.98	2,606,802.67	3,439,695.55	4,449,979.40	5,625,828.17	7,462,247.17	18,296,755.15
Branch	4,314,847.78	1,042,208.82	1,375,202.30	1,779,117.31	2,249,225.76	2,983,432.47	7,298,280.25
Calhoun	8,458,060.80	2,008,033.81	2,649,615.60	3,427,842.56	4,333,605.06	5,748,208.26	14,206,269.06
Cass	4,809,485.10	1,156,849.01	1,526,470.89	1,974,815.49	2,496,634.63	3,311,602.13	8,121,087.23
Charlevoix	3,220,690.11	748,533.42	987,695.42	1,277,794.58	1,615,435.05	2,142,755.74	5,363,445.85
Cheboygan	3,849,391.47	898,696.59	1,185,836.84	1,534,132.74	1,939,507.20	2,572,613.62	6,422,005.09
Chippewa	4,795,509.50	1,076,406.45	1,420,326.33	1,837,494.86	2,323,028.81	3,081,326.79	7,876,836.29
Clare	3,946,082.40	922,840.42	1,217,694.82	1,575,347.80	1,991,612.81	2,641,727.88	6,587,810.28
Clinton	6,452,660.81	1,565,850.50	2,066,151.39	2,673,007.25	3,379,314.41	4,482,411.94	10,935,072.75
Crawford	2,525,970.92	595,617.87	785,922.23	1,016,757.92	1,285,422.88	1,705,018.88	4,230,989.80
Delta	3,981,371.06	954,538.01	1,259,520.03	1,629,457.61	2,060,020.45	2,732,465.57	6,713,836.63
Dickinson	3,008,516.06	720,867.04	951,189.43	1,230,566.29	1,555,727.31	2,063,557.84	5,072,073.90
Eaton	8,057,044.04	1,916,268.44	2,528,530.51	3,271,193.19	4,135,563.14	5,485,520.25	13,542,564.29
Emmet	3,913,630.08	913,736.14	1,205,681.66	1,559,806.22	1,971,964.60	2,615,665.93	6,529,296.01
Genesee	21,722,278.47	5,245,297.11	6,921,208.63	8,954,058.69	11,320,051.43	15,015,215.37	36,737,493.84
Gladwin	3,237,168.78	783,495.07	1,033,827.58	1,337,476.34	1,690,886.96	2,242,837.14	5,480,005.92
Gogebic	2,555,902.40	550,638.41	726,571.50	939,975.09	1,188,351.20	1,576,260.44	4,132,162.84
Grand Traverse	7,539,109.00	1,792,246.42	2,364,882.54	3,059,479.63	3,867,907.06	5,130,494.14	12,669,603.14
Gratiot	4,418,346.56	1,067,210.49	1,408,192.18	1,821,796.76	2,303,182.70	3,055,002.41	7,473,348.97
Hillsdale	4,534,466.28	1,096,365.84	1,446,662.88	1,871,566.83	2,366,103.86	3,138,462.67	7,672,928.95
Houghton	4,233,986.66	886,209.17	1,169,359.59	1,512,815.91	1,912,557.69	2,536,867.05	6,770,853.71
Huron	5,105,756.60	1,232,759.06	1,626,634.77	2,104,398.79	2,660,458.63	3,528,902.62	8,634,659.22
Ingham	12,899,708.64	3,133,777.82	4,135,043.20	5,349,559.81	6,763,110.91	8,970,769.05	21,870,477.69
Ionia	4,970,282.41	1,203,796.73	1,588,418.76	2,054,958.26	2,597,954.06	3,445,994.91	8,416,277.32
Iosco	3,643,701.68	878,610.48	1,159,333.08	1,499,844.47	1,896,158.71	2,515,115.03	6,158,816.71
Iron	2,319,048.68	539,630.25	712,046.13	921,183.44	1,164,594.13	1,544,748.41	3,863,797.09
Isabella	5,353,554.44	1,295,372.95	1,709,254.26	2,211,284.71	2,795,587.73	3,708,141.46	9,061,695.90
Jackson	11,137,487.82	2,680,561.57	3,537,020.96	4,575,890.58	5,785,009.73	7,673,389.77	18,810,877.59
Kalamazoo	13,643,391.47	3,312,814.93	4,371,283.99	5,655,187.63	7,149,496.90	9,483,281.60	23,126,673.07
Kalkaska	3,358,802.55	749,480.47	988,945.05	1,279,411.25	1,617,478.90	2,145,466.77	5,504,269.32
Kent	31,732,993.81	7,720,139.44	10,186,781.51	13,178,773.34	16,661,091.58	22,099,712.17	53,832,705.98
Keweenaw	1,247,941.29	268,976.94	354,917.08	459,160.90	580,488.15	769,974.82	2,017,916.11
Lake	2,840,426.12	668,245.61	881,755.06	1,140,738.12	1,442,163.23	1,912,923.41	4,753,349.53

## Estimated Distribution Schedule for Michigan Transportation Funding by County

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Lapeer	7,243,329.18	1,698,110.98	2,240,670.09	2,898,784.38	3,664,750.18	4,861,021.49	12,104,350.67
Leelanau	3,020,223.63	685,228.16	904,163.65	1,169,728.40	1,478,813.80	1,961,537.72	4,981,761.35
Lenawee	7,374,335.06	1,783,377.35	2,353,179.71	3,044,339.57	3,848,766.43	5,105,105.51	12,479,440.57
Livingston	13,526,797.01	3,286,542.13	4,336,616.82	5,610,338.27	7,092,796.65	9,408,072.93	22,934,869.94
Luce	1,797,917.78	392,975.72	518,534.39	670,834.75	848,094.04	1,124,934.35	2,922,852.13
Mackinac	2,364,409.81	547,544.25	722,488.73	934,693.16	1,181,673.60	1,567,403.08	3,931,812.89
Macomb	40,791,095.78	9,914,116.49	13,081,750.60	16,924,032.94	21,395,986.98	28,380,202.55	69,171,298.33
Manistee	3,822,310.72	885,829.82	1,168,859.06	1,512,168.32	1,911,739.00	2,535,781.14	6,358,091.86
Marquette	5,939,920.87	1,339,039.39	1,766,872.44	2,285,826.13	2,889,825.74	3,833,141.25	9,773,062.12
Mason	3,864,473.39	878,799.39	1,159,582.34	1,500,166.93	1,896,566.39	2,515,655.77	6,380,129.16
Mecosta	4,275,013.76	1,024,747.71	1,352,162.24	1,749,310.09	2,211,542.36	2,933,448.22	7,208,461.98
Menominee	3,499,482.04	846,195.22	1,116,560.89	1,444,509.52	1,826,202.25	2,422,322.93	5,921,804.97
Midland	5,968,705.14	1,446,420.78	1,908,562.99	2,469,133.07	3,121,569.13	4,140,531.79	10,109,236.93
Missaukee	3,024,939.54	690,286.12	910,837.69	1,178,362.69	1,489,729.60	1,976,016.72	5,000,956.26
Monroe	11,311,222.35	2,748,891.51	3,627,182.82	4,692,534.15	5,932,474.85	7,868,991.43	19,180,213.78
Montcalm	5,864,064.87	1,411,877.70	1,862,983.15	2,410,165.81	3,047,020.56	4,041,648.60	9,905,713.47
Montmorency	2,283,276.16	540,094.51	712,658.74	921,975.98	1,165,596.04	1,546,077.41	3,829,353.57
Muskegon	9,854,847.03	2,365,314.71	3,121,050.40	4,037,743.96	5,104,664.94	6,770,962.47	16,625,809.50
Newaygo	5,485,463.99	1,198,521.30	1,581,457.80	2,045,952.76	2,586,568.98	3,430,893.46	8,916,357.45
Oakland	64,728,095.93	15,710,032.59	20,729,505.09	26,818,033.60	33,904,347.72	44,971,622.79	109,699,718.72
Oceana	3,983,823.31	874,269.94	1,153,605.73	1,492,434.90	1,886,791.28	2,502,689.80	6,486,513.11
Ogemaw	3,109,191.85	751,825.92	992,039.92	1,283,415.10	1,622,540.72	2,152,180.88	5,261,372.73
Ontonagon	2,470,102.37	479,902.92	633,235.48	819,225.07	1,035,694.55	1,373,772.62	3,843,874.99
Osceola	3,591,368.53	806,786.17	1,064,560.37	1,377,235.74	1,741,152.26	2,309,510.36	5,900,878.89
Oscoda	2,333,574.67	561,683.89	741,146.08	958,830.44	1,212,188.82	1,607,879.30	3,941,453.97
Otsego	3,853,461.72	881,852.19	1,163,610.53	1,505,378.25	1,903,154.75	2,524,394.74	6,377,856.46
Ottawa	17,905,985.17	4,334,798.22	5,719,798.56	7,399,778.69	9,355,073.29	12,408,816.43	30,314,801.60
Presque Isle	2,747,432.81	647,822.57	854,806.71	1,105,874.67	1,398,087.57	1,854,460.32	4,601,893.13
Roscommon	3,866,460.49	934,312.66	1,232,832.50	1,594,931.64	2,016,371.43	2,674,568.37	6,541,028.86
Saginaw	12,977,368.22	3,137,796.46	4,140,345.80	5,356,419.87	6,771,783.64	8,982,272.79	21,959,641.01
Sanilac	5,519,119.73	1,337,332.78	1,764,620.55	2,282,912.84	2,886,142.66	3,828,255.90	9,347,375.63
Schoolcraft	1,934,163.77	437,293.89	577,012.55	746,488.73	943,738.60	1,251,799.81	3,185,963.58
Shiawassee	5,366,663.00	1,297,924.82	1,712,621.49	2,215,640.94	2,801,095.06	3,715,446.51	9,082,109.51
St. Clair	11,006,271.64	2,585,480.12	3,411,560.31	4,413,580.47	5,579,811.30	7,401,209.16	18,407,480.80
St. Joseph	4,857,227.78	1,179,229.32	1,556,001.86	2,013,020.10	2,544,934.27	3,375,668.07	8,232,895.85
Tuscola	5,727,900.33	1,387,173.38	1,830,385.62	2,367,993.95	2,993,705.34	3,970,929.87	9,698,830.20
Van Buren	6,293,570.67	1,499,287.45	1,978,320.97	2,559,379.88	3,235,662.48	4,291,868.21	10,585,438.88
Washtenaw	17,969,413.18	4,368,166.29	5,763,827.96	7,456,740.10	9,427,086.01	12,504,335.99	30,473,749.17
Wayne	60,677,706.89	14,727,000.14	19,432,386.46	25,139,934.15	31,782,832.44	42,157,588.86	102,835,295.75
Wexford	4,299,866.45	947,819.42	1,250,654.81	1,617,988.56	2,045,520.87	2,713,232.94	7,013,099.39
<b>Total</b>	<b>\$ 645,592,349.41</b>	<b>\$ 154,300,000.20</b>	<b>\$ 203,600,000.28</b>	<b>\$ 263,399,999.78</b>	<b>\$ 332,999,999.78</b>	<b>\$ 441,699,999.77</b>	<b>\$ 1,087,292,349.18</b>

## Estimated Distribution Schedule for Michigan Transportation Funding by County

County	Actual MTF Revenues Fiscal Year 2015	Estimated Additional** Revenues in FY 2017 Above 2015 Actual	Estimated Additional** Revenues in FY 2018 Above 2015 Actual	Estimated Additional** Revenues in FY 2019 Above 2015 Actual	Estimated Additional** Revenues in FY 2020 Above 2015 Actual	Estimated Additional** Revenues in FY 2021 Above 2015 Actual	Total Revenues in FY 2021
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\*\*Estimated additional future revenues are incremental and should be added to actual revenues for 2015.



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage	
01/14/1901				
	<b>Alamo</b>			
	<b>Local</b>			
	B Avenue - 2nd Street to Ravine Road	Gravel/Pulverize/Double Chip Seal	\$248,889	2.58
	3rd Street - G Avenue to F Avenue	Chip Seal	\$20,824	1.01
	Hart Drive - Owen Drive to 695' north of Owen Drive	Hot Mix Asphalt (HMA) Wedging/Chip Seal	\$5,915	0.13
	Owen Drive - 6th Street to Hart Drive	HMA Wedging/ Chip Seal	\$45,741	0.87
	<b>Primary</b>			
	Ravine Road - 12th Street to F Avenue	Design/Mill/HMA Overlay/ Intersection Improvement	\$10,000	0.76
	D Avenue - West County Line to 6th Street	Chip Seal Experiment ( Trap Rock, Natural Aggregate, Blast Furnace Slag, side by side comparison) / Fog Seal	\$97,775	3.50



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Brady</b>			
<b>Local</b>			
V Avenue - 29th Street to 32nd Street	HMA Wedging/Crack Fill/Chip Seal	\$82,254	1.57
XY Avenue - 30th Street to 31st Street	Recondition Gravel Surface	\$19,116	0.85
Y Avenue - 1300' west of 29th Street to 31st Street	Recondition Gravel Surface	\$30,177	
<b>Primary</b>			
U Avenue over Portage River	Design Bridge Rehabilitation	\$45,000	0.00
W Avenue over Portage River	Design Bridge Preventive Maintenance	\$20,000	0.00
UV Avenue - 26th Street to 29th Street	HMA Wedging/Chip Seal	\$50,897	1.66



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Charleston</b>			
<b>Local</b>			
MN Avenue - Mercury Drive to 46th Street	HMA Wedging/Crack Fill/Chip Seal	\$24,905	0.77
44th Street - M Avenue to Michigan Avenue	Chip Seal	\$28,455	1.38
HJ Avenue - 36th Street to 37th Street	HMA Wedging/Crack Fill/Chip Seal	\$19,944	0.55
<b>Primary</b>			
E. Michigan Avenue over Kalamazoo River	Design Bridge Preventive Maintenance	\$30,000	0.00
East Michigan Avenue - 40th Street to Mercury Drive	Chip Seal	\$124,272	4.02
Mercury Drive- E. Michigan Avenue to 900' north of E. Michigan Avenue	HMA Overlay	\$50,000	0.25



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Climax</b>			
<b>Local</b>			
	P Avenue - 44th Street to 45th Street, 45th Street -Q Avenue to P Avenue	HMA Wedging/Crack Fill/Chip Seal	\$46,976 1.00
	P Avenue - 38th Street to 43rd Street	HMA Wedging/Crack Fill/Chip Seal	\$96,322 2.28
	Q Avenue - 38th Street to 43rd Street	Crack Fill/Chip Seal	\$65,573 2.27
	O Avenue - 36th Street to 38th Street (Redo from 2014)	Chip Seal (2nd Application)	\$19,306 0.98
<b>Primary</b>			
	43rd Street - Q Avenue to R Avenue	Chip Seal	\$29,163 1.04
	O Avenue - 38th Street to 42nd Street	Chip Seal	\$55,819 2.00
	R Avenue - 36th Street to East County Line	HMA Wedging/Chip Seal	\$190,735 6.00
	36th Street - PQ Avenue to MN Avenue (shared with Charleston Township)	Chip Seal	\$66,630 2.86



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Comstock</b>			
<b>Local</b>			
Shadowlane Avenue - Kimberly Street to 35th Street, Woodlark Street - 430' south of Shadow Lane Avenue to Blake Boulevard, Kimberly Street - Shadow Lane Avenue to Blake Boulevard, Cynthia Street - Shadow Lane Avenue to Blake Boulevard, Nichole Street - Beth Ann Avenue to Blake Boulevard, Beth Ann Avenue - Nichole Street to Ilene Street, Ilene Street - Beth Ann Avenue to Blake Boulevard, Blake Boulevard - Nichole Street to Courtney Street	Crack Fill/Chip Seal	\$48,632	1.16
Shadowlane Avenue - Sarah Street to Kimberly Street, Sarah Street - 420' South of Shadow Lane Avenue to Miah Street, Miah Street - Sarah Street to Mildred Street, Mildred Street - Shadow Lane Avenue to Miah Street, Courtney Street - Shadow Lane Avenue to Blake Boulevard, Cynthia Street - Shadow Lane Avenue to Blake Boulevard	HMA Overlay	\$159,623	1.21
Blake Boulevard - 1,270' west of 35th Street to 35th Street	HMA Overlay	\$36,048	0.24
Market Street - South Sprinkle Road to River Street	Crack Fill/Chip Seal	\$19,581	0.64
Kersten Court - M Avenue to 690' north of M Avenue	Crack Fill/Chip Seal	\$8,771	0.13
Interstate Parkway - M Avenue to 678' north of M Avenue	HMA Patching/Crack Fill/Chip Seal	\$9,371	0.13
Gaywood Street - Woodfield Avenue to ML Avenue, Woodfield Avenue - 201' east of Gaywood Street to Gaywood Street	Crack Fill/Chip Seal	\$6,039	0.15
Azo Court - 208' east of Azo Drive to Azo Drive, Azo Drive - Azo Court to ML Avenue	HMA Overlay	\$37,380	0.15
Wynn Road - South Sprinkle Road to River Street	Crack Fill/Chip Seal	\$19,079	0.48
<b>Primary</b>			
Sprinkle Road - E. Michigan Avenue to E. Main Street	Resurface/Concrete Rumble Strips	\$1,100,000	1.20
Comstock Avenue - South Sprinkle Road to River Street	Chip Seal/Fog Seal	\$34,164	0.13
ML Avenue - South Sprinkle Road to River Street	Chip Seal	\$20,153	0.21
35th Street - Galesburg City Limit to 1000' S of G Avenue	Reconstruct/All Season	\$1,400,000	2.30



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Cooper</b>			
<b>Local</b>			
Old Douglas Avenue - F Avenue to Douglas Avenue	Chip Seal	\$5,779	0.64
B Avenue - 19th Street to 4,020' east of 19th Street	HMA Wedging/Chip Seal	\$25,317	0.76
C Avenue - North Riverview Drive to 24th Street	HMA Wedging/Crack Fill/Chip Seal	\$56,063	1.18
E Avenue - 2,250' west of North Riverview Drive to North Riverview Drive	Crack Fill/Chip Seal	\$13,388	0.28
E Avenue - Douglas Avenue to North Westnedge Avenue	HMA Wedging/Crack Fill/Chip Seal	\$37,610	1.00
F Avenue - 14th Street to Douglas Avenue	HMA Wedging/Crack Fill/Chip Seal	\$44,561	1.21
F Avenue - Douglas Avenue to North Westnedge Avenue	HMA Overlay	\$78,241	0.81
Collingwood Avenue - G Avenue to 300' north of Rosedale Avenue	HMA Overlay	\$47,943	0.32
<b>Primary</b>			
D Avenue - Adobe Drive to Rolling Meadow Drive	Resurface/Intersection Improvement	\$1,065,000	1.10
D Avenue - over Kalamazoo River	Design Bridge Preventive Maintenance	\$25,000	
Douglas Avenue - B Avenue to North County Line	Chip Seal	\$35,770	1.20
D Avenue/Sprinkle Road - Riverview Drive to DE Avenue	Mill/HMA Overlay/Drainage/Intersection Improvement	\$750,000	1.87
Riverview Drive - Cemetary Drive Access Improvements (By agreement Cooper Township 3/24/15)	Concrete Curb/gutter/HMA access	\$26,863	0.07



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Kalamazoo</b>			
<b>Local</b>			
<p><b>Bretton Drive</b> - Atlee Avenue to Haskell Street, <b>Bretton Drive</b> - Haskell Street to 659' north of Haskell Street, <b>Atlee Avenue</b> - Bretton Drive to Manor Street, <b>Grace Road</b> - Nichols Road to Coolidge Avenue, <b>Coolidge Avenue</b> - M-43 to Haskell Street, <b>Alley #1</b> - Hillsdale Avenue to Pinehurst Boulevard, <b>Brownell Street</b> - 890' south of Alamo Avenue to Alamo Avenue, <b>Warren Place</b> - 1310' south of Alamo Avenue to Alamo Avenue, <b>Vale View Road</b> - Alamo Avenue to 435' north of Alamo Avenue, <b>Marywood Street</b> - Alamo Avenue to Rusridge Avenue, <b>Rusridge Avenue</b> - Melcrest Street to Marywood Street, <b>Melcrest Street</b> - Alamo Avenue to Rusridge Avenue, <b>Kaywood Drive</b> - Alamo Avenue to 50' north of Junedale Drive, <b>Junedale Drive</b> - 260' west of Kaywood Drive to Kaywood Drive, <b>Doncrest Drive</b> - 185' west of Kaywood Drive to Kaywood Drive</p>	HMA Wedging/ Crack Fill/ Chip Seal	\$99,084	2.43
<p><b>Fletcher Avenue</b> - Sydelle Avenue to M-43, <b>Sydelle Avenue</b> - Fletcher Avenue to M-43, <b>Gilkison Avenue</b> - 923' south of M-43 to M-43, <b>Nelson Avenue</b> - 923' south of M-43 to M-43, <b>S Arlington Street</b> - Academy Street to Grove Street, <b>Arlington Street</b> - Grove Street to M-43, <b>Grove Street</b> - S Berkley Street to TWP Line</p>	HMA Wedging/ Crack Fill/ Chip Seal	\$61,184	1.04
<p><b>Coy Avenue</b> - Arthur Avenue to Dwillard Drive, <b>Dearborn Avenue</b> - Ira Avenue to Dwillard Drive, <b>Arthur Avenue</b> - Charles Avenue to E Main Street, <b>Gayle Avenue</b> - Charles Avenue to Coy Avenue, <b>Lum Avenue</b> - Charles Avenue to Coy Avenue, <b>Ira Avenue</b> - Charles Avenue to Coy Avenue, <b>Washburn Avenue</b> - Charles Avenue to Coy Avenue, <b>Cooper Avenue</b> - Charles Avenue to Dearborn Avenue, <b>Darling Street</b> - Schippers Lane to Charles Avenue, <b>Schippers Lane</b> - E Michigan Avenue to Darling Street, <b>The Dells Street</b> - Chicago Avenue to Charles Avenue, <b>Dell Avenue</b> - The Dells Street to 235' east of The Dells Street, <b>Oak Openings Street</b> - TWP Line to Chicago Avenue, <b>Chicago Avenue</b> - Schippers Lane to E. Main Street</p>	HMA Wedging/ Crack Fill/ Chip Seal	\$163,490	5.51
<p>(<u>Bixby, Long Meadow, Spring Meadow, King Realty, Jeffery Park</u>) <b>Seemore Avenue</b> - Humphrey Street to 750' north of Humphrey Street, <b>Nassau Street</b> - East Main Street to Gertrude Street, <b>Lakewood Drive</b> - M-43 to 264' north of M-43</p>	Cold Milling and HMA Overlay 1 1/2 inches	\$73,101	0.42
<p>(<u>Bixby, Long Meadow, Spring Meadow, King Realty, Jeffery Park</u>) <b>Trimble Avenue</b> - Junction Avenue to M-43, <b>Henson Avenue</b> - Junction Avenue to M-43, <b>Henson Avenue</b> - 425' south of Junction Avenue to Junction Avenue, <b>Colgrove Avenue</b> - Junction Avenue to M-43, <b>Colgrove Avenue</b> - 683' south of Junction Avenue to Junction Avenue, <b>Henson Avenue</b> - M-43 to Lakeview Avenue, <b>Lakeview Avenue</b> - Henson Avenue to 232' east of Henson Avenue, <b>Heather Lane</b> - 113' south of M-43 to M-43,</p>	Cold Milling and HMA Overlay 2 inches	\$129,008	0.79
<p>(<u>Bixby Subdivision</u>) <b>Junction Avenue</b> - Humphrey Street to Elkerton Avenue</p>	Cold Milling and HMA Paving 4 inches	\$101,005	0.28
<p>(<u>Dwillard &amp; Schram Plat</u>) <b>Borgess Drive</b> - Nazareth Road to TWP line, <b>Edna Boulevard</b> - Mulhearn Avenue to Nazareth Road, <b>Mulhearn Avenue</b> - Baker Drive to Nazareth Road, <b>Miami Avenue</b> - Baker Drive to Nazareth Road, <b>Tampa Street</b> - Baker Drive to Nazareth Road,</p>	Cold Milling and HMA Paving 3 inches	\$328,962	1.22
<p>(Eastwood Heights, Vosler's Addition, Sherwood Plat, Plat of Shield's Addition, Vosler's Annex, Washburn Plat and East Highland Park) <b>Coy Avenue</b> - Washburn Avenue to Arthur Avenue, <b>Charles Avenue</b> - TWP line to Arthur Avenue, <b>Ira Avenue</b> - Coy Avenue to East Main Street, <b>Lum Avenue</b> - Coy Avenue to East Main Street, <b>Dayton Avenue</b> - Charles Avenue to East Main Street, <b>Cooper Avenue</b> - Dearborn Avenue to East Main Street, <b>Washburn Avenue</b> - Dearborn Avenue to East Main Street</p>	Cold Milling and HMA Paving 1 1/2 inches	\$311,665	2.01
<p>(<u>Eastwood Heights, Vosler's Addition, Sherwood Plat, Plat of Shield's Addition, Vosler's Annex, Washburn Plat and East Highland Park</u>) <b>Kenilworth Avenue</b> - TWP line to Nazareth Road</p>	Cold Milling and HMA Overlay 2 inches	\$185,835	0.96
<p>(<u>Eastwood Heights</u>) <b>Gayle Avenue</b> - Coy Avenue to East Main Street</p>	Cold Milling and HMA Paving 3 inches	\$53,626	0.13



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<p><u>(Indian Village Subdivision)</u> <b>Pontiac Avenue</b> – TWP line to 660' west of Seminole Street, <b>Ottawa Avenue</b> – TWP line to 660' west of Seminole Street, <b>Iroquois Trail</b> – TWP line to Turwill Lane, <b>Turwill Lane</b> – Huron Avenue to Ottawa Avenue, <b>Devonshire Avenue</b> – TWP line to Turwill Lane, <b>Grace Road</b> – Gorham Lane to Cherokee Street, <b>Cranbrook Avenue</b> – Cherokee Street to Croyden Avenue, <b>Mohawk Street</b> – Devonshire Avenue to Croyden Avenue, <b>Cherokee Street</b> - Olney Road to Marlane Avenue, <b>Gorham Lane</b> - Olney Road to Canterbury Avenue</p>			
	Cold Milling and HMA Paving 3 inches	\$499,701	1.95
<p><u>(Indian Village Subdivision)</u> <b>Seminole Street</b> – Croyden Avenue to Grand Prairie Road, <b>Cherokee Street</b> – Marlane Avenue to Alamo Avenue, <b>Mohawk Street</b> – Huron Avenue to Iroquois Trail, <b>Mohawk</b> – Olney Road to Devonshire Avenue, <b>Gorham Lane</b> – Canterbury Avenue to Devonshire Avenue, <b>Turwill Lane</b> – Devonshire Avenue to Huron Avenue, <b>Turwill Lane</b> – Iroquois Trail to Ottawa Avenue, <b>Alamo Avenue</b> – Turwill Lane to Cherokee Street, <b>Iroquois Trail</b> – Turwill Lane to Nichols Road, <b>Huron Avenue</b> – Turwill Lane to Nichols Road, <b>Marlane Avenue</b> – Mohawk Street to Nichols Road, <b>Croyden Avenue</b> – TWP line to Nichols Road, <b>Devonshire Avenue</b> – Turwill Lane to Nichols Road, <b>Canterbury Avenue</b> – Turwill Lane to Nichols Road, <b>Grace Road</b> – Cherokee Street to Nichols Road</p>			
	Cold Milling and HMA Paving 1 1/2 inches	\$691,980	4.46
<p><u>(Indian Village Subdivision)</u> <b>Turwill Lane</b> – M-43 to Devonshire Avenue, <b>Gorham Lane</b> – M-43 to Olney Road, <b>Cherokee Street</b> – M-43 to Olney Road</p>			
	Cold Milling and HMA Paving 4 inches	\$266,943	0.59
<p><u>(Northview Subdivision)</u> <b>Rockwood Drive</b> – Winding Way to Meadowcroft Avenue, <b>Thornhill Avenue</b> - Stonegate Road to Nichols Road, <b>Meadowcroft Avenue - Rockwood Drive to Nichols Road</b>, <b>Runnymede Drive</b> – <b>Rockwood Drive to Stonegate Road</b>, <b>Northview Drive</b> – Rockwood Drive to Nichols Road, <b>Glengarry Avenue</b> - Cold Milling and HMA Paving 1 1/2 inches Stonegate Road to Nichols Road, <b>Beverton Street</b> - Glengarry Avenue to Twp Line, <b>Glengarry Avenue</b> – Beverton Street to Havenbrook Street, <b>Thornhill Avenue</b> – Stonegate Road to Nichols Road, <b>Coventry Avenue</b> – Beverton Street to 208' east of Bevertonn Street, <b>Stonegate Road</b> – Northview Drive to Glengarry Avenue</p>			
	Cold Milling and HMA Paving 1 1/2 inches	\$303,209	1.82
<p><u>(Northview Subdivision)</u> <b>Winding Way</b> – 1965' west of Rockwood Drive to 1020' southeast of Rockwood Drive, <b>Thornhill Avenue</b> – 850' east of Laurelhill Street to Stonegate Road, <b>Laurelhill Street</b> – 175' south of Thornhill Avenue to Thornhill Avenue, <b>Stonegate Road</b> – 310' south of Thornhill Avenue to Northview Drive</p>			
	Cold Milling and HMA Paving 3 inches	\$363,603	1.18



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Various Locations:</b>			
<b>Cumberland Street</b> - Grand Prairie Road to 530' north of Yucca Avenue, <i>Design Engineering Drainage/Curb.</i>	Design/Construction Engineering 2015/2016	\$350,757	n/a
<b>Wynn Road</b> - Olmstead Road to Sprinkle Road, <i>Engineering Drainage/Curb.</i>			
<b>Maple Street</b> - M-43 to 2450' north of M-43, <i>Design Engineering Drainage.</i>			
<b>Schippers Lane</b> - East Michigan Avenue to Darling Street, <i>Design Engineering Culverts.</i>			
<b>Hillsdale Avenue</b> - Ferndale Avenue to Berkley Street, <i>Design Engineering Drainage/Curb.</i>			
<b>Crestview Avenue</b> - 670' west of Coolidge Avenue to Collidge Avenue, <i>Design Engineering Drainage.</i>			
<b>Commonwealth Avenue</b> - Campbell Avenue to Dartmouth Street, <i>Design Engineering Drainage.</i>			
<b>Stewart Drive</b> - Olmstead Road to 1270' east of Olmstead Road, <i>Design Engineering Culvert.</i>			
<b>Franklin Street</b> - Olmstead Road to Sprinkle Road, <i>Design Engineering Drainage.</i>			
<b>Shaffer Street</b> - M-43 to 1550' north of M-43, <i>Design Engineering Drainage/Curb.</i>			
<b>Sunnyside Drive</b> - East Main Street to M-43, <i>Design Engineering Drainage/Curb.</i>			
<b>Academy Street</b> - Dartmouth to Arlington Street, <i>Design Engineering Drainage.</i>			
<b>Arlington Street</b> - Academy Street to Grove Street, <i>Design Engineering Drainage.</i>			
<b>Schuster Avenue</b> - Stockbridge Avenue to Lake Street, <i>Design Engineering Curb/Drainage/All Season.</i>			
 Berkley Street – M-43 to Hillsdale Avenue, Clarendon Street – M-43 to West North Street, Dartmouth Street – M-43 to Hillsdale Avenue, Jennison Avenue – M-43 to Kenwood Street, Wealthy Street – M-43 to Kenwood Street, Kenwood Street – Wealthy Street to Pinehurst Boulevard, Commonwealth Avenue/Commonwealth Place – Campbell Avenue to Arlington Street, West North Avenue – Dartmouth Street to Berkley Street	Chip Seal (2nd Application)	\$65,645	2.74
<b>Primary</b>			
Sprinkle Road at Covington	Traffic Signal Replacement	\$95,000	0.00
E. Main Street - Wallace Street to Nazareth Road	Signal / Safety Improvement/with City of Kalamazoo	\$415,000	1.07
Barney Road - Nichols Road to Douglas Avenue	HMA Wedging/Chip Seal	\$42,764	1.21
Nazereth Road - M-43 to G Avenue	Chip Seal/Fog Seal	\$42,596	1.18
Squires Drive - Drake Road to Ravine Road	Chip Seal	\$9,581	0.36



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Oshtemo</b>			
<b>Local</b>			
(West Port) West Point Drive - Cadet Lane to 10th Street. Cadet Lane - Westlins Avenue to Nantucket Lane, Nantucket Lane - Bunker Hill Drive to Cadet Lane, Bunker Hill Drive - Westlins Avenue to Nantucket Lane, Valley Forge Drive - Bunker Hill Drive to Cadet Lane, Westlins Avenue - 158' west of Bunker Hill Drive to Cadet Lane, Old Post Road - Westlins Avenue to 705' southeast of Westlins Avenue, Litchfield Lane - Thunder Bluff Road to 10th street, Thudner Bluff Road - Litchfield to Wingate Road, Twillingate Lane Wingate Road to 10th Street	Crack Fill/ Chip Seal	\$101,351	1.84
(West Port Trails) Bramble Drive - H Avenue to Bay Field Drive, Bay Field Drive - Hollison Drive to Oak Harbor Street, Hollison Drive - Bay Field Drive to Oak Harbor Street, Oak Harbor Street - Bay Field Drive to 595' north of Trayburne Trail, Trayburne Trail - Linderhurst Lane to 587' east of Oak Harbor Street, Linderhurst Lane - 9th Street to Kelfrey Cove, Kelfrey Cove - Hollison Drive to Linderhurst Lane.	EXPERIMENT -Crack Fill/ Chip Seal with Trap Rock and Cationic Emulsion topped with Fog Seal	\$86,461	1.93
(Venture Park Condo, Oshtemo Woods) Venture Court - Venture Park Road to 596' East of Venture Park Road, Venture Park Road - Quail Run Drive to Michigan Avenue, Oshtemo Woods Lane - Venture Park Road to Lamplighter Lane.	Crack Fill/ Chip Seal	\$37,023	0.88
(Sky King Meadows Condominium, Sky King Meadows) Mickey's Trail - 9th Street to Murphy's Trail, Belle Street - Lexy Lane to Mickey's Trail, Mauri's Lane - Lexy Lane to Mickey's Trail, Lexy Lane - 9th Street to Murphy's Trail, Murphy's Trail - Lexy Lane to Mickey's Trail, Murphy's Circle - 420' south of Lexy Lane to Lexy Lane	Crack Fill	\$8,718	0.85
(Savannah) Old Savannah Drive - H Avenue to Stone Mountain Drive, Stone Mountain Drive - Old Savannah Road to 531' north of Old Savannah Drive.	Crack Fill/ Chip Seal	\$24,654	0.53
(The Woods AT Quail Meadows, Quail Meadows, The Condominium Homes at Quail Meadows) Partridge Lane - Quail Run Drive to Quail Run Drive, Tanager Lane - Quail Run Drive to Quail Run Drive, Pheasant Lane - Tanager Lane to Quail Run Drive	HMA Wedging/ Crack Fill/ Chip Seal	\$44,885	0.69
(Turtle Cove At Rockwood Lake Condominium) Forest River Way - 1283' west of Ravine Road to Ravine Road	Crack Fill/ Chip Seal	\$12,323	0.24
Chime Street - Erie Street to Stadium Drive, Erie Street - Chime Street to 9th Street	Crack Fill/ Chip Seal	\$12,548	0.26
(Buckham Highlands) Buckham Wood Drive - 9th Street to Caddam Wood Avenue, Wood Hollow Avenue - Buckham Wood Drive to 213' east of Buckham Wood Drive, Caddam Wood Avenue - Laurel Wood Street to Buckham Wood Drive, Laurel Wood Street - Buckham Wood Drive to Caddam Wood Avenue, Beymoure Street - Caddam Wood AVenue to 162' north of Caddam Wood Avenue.	Crack Fill/ Chip Seal	\$35,407	0.67
(Breckenridge Estates) Promanade Street - Northstar Avenue to H avenue	EXPERIMENT -Crack Fill/ Chip Seal with Trap Rock and Cationic Emulsion topped with Fog Seal	\$9,879	0.19
8th Street - Stadium Drive to KL Avenue	Chip Seal (2nd Application)	\$34,832	1.67
Wendalyn Way - 4th Street West 1,410'	Chip Seal (2nd Application)	\$11,739	0.29
Castleton Lane - Powderhorn Lane to Whitegate Lane, Lamplighter Lane - Powderhorn Lane to Whitegate Lane, Powderhorn Lane - Castleton Lane to Whitegate Lane and Whitegate Lane - West Michigan Avenue to Castleton Lane	Chip Seal (2nd Application)	\$23,486	0.98
Signal Hill in Westport	Chip Seal (2nd Application)	\$4,626	0.50
Saybrook Lane	Chip Seal (2nd Application)	\$10,436	
<b>Primary</b>			
Stadium Drive - 9th Street to US-131	Design/Reconstruct/Pulverize	\$20,000	1.39
6th Street - N Avenue to Stadium Drive	EXPERIMENT -Crack Fill/ Chip Seal with Trap Rock and Blast Furnace Slag, side by side comparison and Cationic Emulsion topped with Fog Seal	\$17,432	0.57
KL Avenue - 11th Street to Drake Road	Chip Seal	\$18,955	0.48



## Local and Primary Road Projects 2015 Construction Season

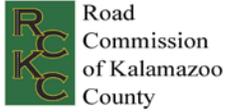
10/30/2015

	Project	Estimated Amount	Mileage
<b><i>Pavilion</i></b>			
<b>Local</b>			
27th Street - T Avenue to S Avenue	HMA Wedging/ Crack Fill/ Chip Seal	\$37,388	1.00
R Avenue - 34th Street to 36th Street	Crack Fill/ Chip Seal	\$29,350	1.15
Q Avenue - West Pavilion Township line to 25th Street	Crack Fill/ Chip Seal	\$14,523	0.45
34th Street - TS Avenue to S Avenue	Crack Fill/ Chip Seal	\$12,031	0.40
31st Street - Q Avenue to OP Avenue	HMA Overlay	\$146,695	1.24
25th Street - RS Avenue to R Avenue	Crack Fill/ Chip Seal	\$15,908	0.51
28th Street - S Avenue to QR Avenue	Crack Fill/ Chip Seal	\$43,778	
34th Street - S Avenue to Q Avenue	Crack Fill/ Chip Seal	\$60,819	
<b>Primary</b>			
Q Avenue - 29th Street to 36th Street	Chip Seal/Fog Seal	\$80,111	3.49
QR Avenue - 25th Street to 29th Street	HMA Wedging/Chip Seal	\$41,307	1.76
Q Avenue Bridge over Portage River	Design Bridge Replacement	\$35,000	0.00
S Avenue Bridge over Portage River	Design Bridge Replacement	\$30,000	0.00



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Prairie Ronde</b>			
<b>Local</b>			
4th Street - XY Avenue to W Avenue	HMA Wedging/Crack Fill	\$19,026	1.01
11th Street - 1950' South of XY Avenue to XY Avenue	Crack Fill/Chip Seal	\$12,134	0.37
11th Street - 2645' South of YZ Avenue to YZ Avenue	Regravel	\$13,866	0.50
Various Gravel Roads	Spot Regravel/Grading	\$12,755	
<i>(Woodbrook Subdivision) Branchton Street -205' west of Sunshine Avenue to Sunshine Avenue, Sunshine Avenue - Branchton Street to Indiana Valley Street, Indiana Valley Street - 390' south of Sunshine Avenue to 460' north of Deer Run Road, Deer Run Road -Branchton Street to Prairie Ronde Street, Farmstone Street - Sunshine Avenue to Deer Run Road, Grazeview Street -Sunshine Avenue to Deer Run Road.</i>			
WX Avenue - 6th Street to 8th Street	Crack Fill	\$27,378	1.67
5th Street - W Avenue to V Avenue	Regravel	\$34,616	1.25
Paw Paw Lake Drive 4th Street to 820' northeast of 4th Street	Crack Fill/Chip Seal	\$29,163	1.01
	Crack Fill/Chip Seal	\$6,709	0.16
<b>Primary</b>			
U Avenue at 8th Street	Intersection Safety Improvement	\$245,000	0.00



## Local and Primary Road Projects 2015 Construction Season

10/30/2015

Project

Estimated Amount

Mileage

### *Richland*

#### Local

CD Avenue - 35th Street to West Gull Lake Drive	HMA Wedging/Crack Fill/Chip Seal	\$23,455	0.55
30th Street - M-43 to DE Avenue	HMA Wedging/Crack Fill/Chip Seal	\$34,141	0.71
C Avenue - 28th Street to M-89	HMA Overlay	\$87,398	0.74
28th Street - D Avenue to C Avenue	HMA Wedging/Crack Fill/Chip Seal	\$47,077	1.01

#### Primary

28th Street - M-43 to F Avenue	Design Pulverize/HMA Overlay/All Season	\$8,000	0.50
28th Street - South of E Avenue to D Avenue	Design Pulverize/HMA Overlay/All Season	\$20,000	1.10



## Local and Primary Road Projects 2015 Construction Season

10/30/2015

Project

Estimated Amount

Mileage

### Ross

#### Local

44 <sup>th</sup> Street – 420' South of Allister Mackenzie Avenue to M-89,	Gravel/Pulverize/HMA	\$148,522	0.73
39 <sup>th</sup> Street – FG Avenue to 3,320' North of FG Avenue	HMA Wedging/Chip Seal	\$32,251	0.63
39 <sup>th</sup> Street – East Gull Lake Drive to C Avenue, D Avenue – 38 <sup>th</sup> Street to 39 <sup>th</sup> Street	HMA Wedging/Chip Seal	\$64,006	1.47
CD Avenue – 46 <sup>th</sup> Street to 48 <sup>th</sup> Street	HMA Wedging/Chip Seal	\$39,604	1.01

#### Primary



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Schoolcraft</b>			
<b>Local</b>			
	YZ Avenue – 2,415' West of US 131 to 900' East of 15 <sup>th</sup> Street	\$30,143	1.36
	X Avenue – 22 <sup>nd</sup> Street to 24 <sup>th</sup> Street	\$16,048	0.73
	TU Avenue – 23 <sup>rd</sup> Street to 2,701' East of 23 <sup>rd</sup> Street	\$11,116	0.51
	22nd Street – Y Avenue to 200' South of XY Avenue	\$18,219	0.44
	Z Avenue – 21 <sup>st</sup> Street to 24 <sup>th</sup> Street	\$49,488	1.52
<b>Primary</b>			
	Portage Road - Y Avenue to W Avenue	\$74,508	2.39
	Portage Road - 150' south of VW Avenue to south Portage City Limit	\$1,600,000	2.50



## Local and Primary Road Projects 2015 Construction Season

10/30/2015	Project	Estimated Amount	Mileage
<b>Texas</b>			
<b>Local</b>			
1st Street - 105' south of Callaway Drive to Stadium Drive	HMA Wedging/Crack Fill/Chip Seal	\$31,293	0.63
6th Street - Q Avenue to 742' north of Q Avenue	HMA Wedging/Crack Fill/Chip Seal	\$9,764	0.14
10th Street - Q Avenue to Texas Drive	Chip Seal	\$34,453	1.05
10th Street - 5,280' south of S Avenue to S Avenue	Chip Seal	\$21,949	1.50
10th Street - R Avenue to Q Avenue	Chip Seal	\$21,651	0.99
Standiford Street - Heathrow Avenue to Stapleton Drive, Stapleton Drive - Dorval Road to 12th Street, Dorval Road - 801' south of Stapleton Drive to Stapleton Drive	HMA Overlay	\$87,714	0.59
Eagle Lake Drive - OP Avenue to OP Avenue	HMA Overlay	\$85,384	0.44
Blue Jay Drive - 10th Street to Bob White Avenue, Bob White Avenue - Morning Dove Lane to Warbler Drive, Swallow Avenue - 10th Street to Finch Drive, Blue Spruce Lane - 345' west of Old Stone Circle to 515' south of Green Pine Lane, Canary Lane - Swallow Avenue to Blue Jay Drive, Morning Dove Lane - Swallow Avenue to Blue Jay Drive, Old Stone Circle - 221' north of Blue Spruce Lane to Blue Spruce Lane, Old Oak Circle - 250' north of Blue Spruce Lane to Blue Spruce Lane, Finch Drive - Blue Spruce Lane to Bob White Avenue, Warbler Drive - Swallow Avenue to Whippoorwill Drive	HMA Overlay	\$373,740	2.40
Glen Harbor Drive - 1,055' west of Birchwood Drive to Birchwood Drive, Birchwood Drive - 847' west of Glen Harbor Drive to Texas Drive	HMA Overlay	\$88,316	0.58
Leland Court - 260' north of Texas Heights Avenue to Texas Heights Avenue, Texas Heights Avenue - 70' west of Copper Harbor Street to 8th Street	HMA Overlay	\$67,003	0.44
(Rudgate in the Woods) Farmington Avenue - 176' south of Orchard Hill Avenue to Stoneybrook Road, Foxcroft Drive - 165 - 165' east of Farmington Avenue to 12th Street, Hunters Ridge Drive - Hitching Post Road to Stoneybrook Road, Hitching Post Road - Hunters Ridge to Foxcroft, Orchard Hill Avenue - Farminton Avenue to Farmington Avenue	HMA Overlay	\$226,233	1.53
<b>Primary</b>			
Texas Drive Trail - Al Sabo Preserve to 12th Street	Trailway	\$700,000	0.00
8th Street - R Avenue to Q Avenue	Chip Seal/Fog Seal	\$30,260	1.01
O Avenue - 8th Street to 9th Street	Chip Seal	\$27,658	0.51
P Avenue - West County Line to 3rd Street	HMA Wedging/Chip Seal	\$39,872	1.53
9th Street - I-94 to Meridian Avenue (Shared with Oshtemo Township)	Design Mill/HMA Overlay	\$50,000	1.50
8th Street - U Avenue to R Avenue (Shared with Prairie Ronde Township)	HMA Wedging/Chip Seal/Fog Seal	\$84,661	3.00



## Local and Primary Road Projects 2015 Construction Season

10/30/2015

	Project	Estimated Amount	Mileage
<b>Wakeshma</b>			
<b>Local</b>			
U Avenue – 36 <sup>th</sup> to 39 <sup>th</sup> Street FAILED CONDITION ROAD RETURN TO GRAVEL	Gravel/Pulverize/Grade/Compact (Failed Condition Road return to gravel)	\$56,281	1.50
V Avenue – 39 <sup>th</sup> Street to 42 <sup>nd</sup> Street	HMA Wedging/Chip Seal	\$64,055	1.50
<b>Primary</b>			
38th Street - over Little Portage Creek	Bridge Preventive Maintenance	\$155,000	0.00
42nd Street - over Little Portage Creek	Bridge Preventive Maintenance	\$170,000	0.00
42nd Street - Y Avenue to W Avenue	Design Reconstruct/All Season	\$40,000	2.00
42nd Street - Z Avenue to Y Avenue	Design Reconstruct/All Season	\$40,000	2.00
YZ Avenue - 38th Street to 42nd Street	HMA Wedging/Chip Seal	\$50,942	2.00
		<b>TOTAL ESTIMATE</b>	<b>TOTAL MILES</b>
		\$17,611,320	163
<b>OTHER</b>			
Maple Street - West of Climax Village Limits to East Climax Village Limits	Village of Climax/Chip Seal/Fog Seal	\$44,908	0.50

## How are speed limits set?

The answer to this question varies depending upon a number of factors. The primary rules governing the establishment of speed limits, however, are identified in the position of state law known as the Michigan Vehicle Code (<http://www.michigan.gov/msp>).

The Michigan Vehicle Code is based on the premise that drivers should, at all times drive at “reasonable and proper” speeds, given the conditions. The law states;

*“Any person driving a vehicle on a highway shall drive at a careful and prudent speed not greater than nor less than what is reasonable and proper, having due regard to the traffic, surface and width of the highway and of any other conditions: and no person shall drive any vehicle upon a highway at a speed greater than will permit him to bring it to a stop within the assured clear distance ahead”.*

## Traffic Study Requests

A request for a traffic study should be provided to the RCK by Township Resolution request. A standard resolution format can be provided by calling RCKC traffic department. The request by resolution is important, as pending the results a speed limit may also be increased.

## Who sets speed limits?

State law assigns the responsibility for setting speed limits on our county roads to the Michigan State Police (MSP) in conjunction with the local county road commissions and Township officials.

In order for a speed limit to be changed, the MSP, Township and Road Commission work in conjunction and a change is based on a proper traffic study.

## For more information:

The Road Commission of Kalamazoo County will be happy to answer any further questions you may have about setting speed limits.



Road Commission of  
Kalamazoo County  
3801E. Kilgore Road  
Kalamazoo, MI 49001

Phone (269) 381-3171  
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Revised 2015

# Setting Realistic Speed Limits



## Prima Facie Speed Limits

The Michigan Vehicle Code sets speed limits for roads even where no limit is posted. These unposted speed limits are known as “prima facie” speed limits. The prima facie speed limits identified in the law are:

**Business District:** The prima facie speed limit in business districts is 25 mph.

**Parks:** Unless a different speed is posted, the prima facie speed limit in parks is also 25 mph.

**Highways:** on highways outside of residential or business districts, if no speed limit is posted, the prima facie speed limit is 55 mph.



## Non-Prima Facie Speed Limits

When the prima facie limit is considered too high on a county road, the MSP, in conjunction with the road commission and township officials determines the “reasonable and proper” speed for the road whether too high or too low.

Road agencies around the country have established standardized methods for determining reasonable and proper speeds. These methods include engineering and traffic studies that examine such things as traffic volume, accident rates, number of driveways, sight obstructions, etc., pedestrian activities and potential hazards that might not easily be detected by drivers.

If these studies reveal no unusual safety problems, road agencies typically will apply a rule known as the 85<sup>th</sup> percentile speed to establish the speed limit.

The 85<sup>th</sup> percentile speed is the speed at or below which 85 percent of traffic is moving. Tests indicate that posting speed limits higher or lower than driven by 85 percent of drivers does not significantly change the speed of those drivers.

The 85<sup>th</sup> percentile rule recognizes that the other 15 percent of drivers are driving above a reasonable and proper speed, given the conditions. Studies indicate that this 15 percent of drivers causes a disproportionate number of accidents and has the worst driving record.

## Speed Limit Myths and Realities

**Myth #1:** *Speed limits significantly affect traffic speeds.*

**Reality:** Traffic speeds do not significantly change following the posting of new or revised speed limits. Most drivers travel at speeds that they consider safe, regardless of the speed limit.

**Myth #2:** *Most drivers travel too fast for road conditions.*

**Reality:** The majority of drivers travel at prudent speeds and are capable of recognizing driving conditions that require greater driving caution.

**Myth #3:** *Lower speed limits result in safer roads.*

**Reality:** The more uniform the speeds of vehicles in a traffic stream, the less chance there is for conflict and crashes. Speed limits that reflect the normal actions of the reasonable majority, therefore, usually provide the most uniform speeds. In fact, unrealistically low speed limits may actually lead to crashes by producing two distinct groups of drivers – those attempting to observe the speed limit and those driving at what they feel are reasonable and prudent. These differences in speeds may result in increased crashes due to tailgating, improper passing, reckless driving and weaving from lane to lane.



**Myth #4:** *Lower speed limits allow for effective enforcement.*

**Reality:** Unrealistically low speed limits cannot be enforced with reasonable enforcement. In addition, they make the behavior of the majority unlawful and create public antagonism toward the police. However, realistic speed limits (i.e., those that reflect the normal actions of the reasonable majority) allow police to target their enforcement efforts to those drivers clearly out of line with the normal flow of traffic.

**Is your mailbox a potentially lethal weapon?**

Mailboxes of unapproved materials and/or mailbox supports that are so strong or massive that they do not yield when hit have annually caused fatalities and injuries in the State of Michigan. Some of these accidents have resulted in lawsuits against the owners.

We're concerned about this problem and hope that by increasing awareness, we can work together to improve traffic safety in Kalamazoo County.

We hope you'll use the checklist included in this brochure to make sure your mailbox installation does not pose a hazard to the motoring public or a liability risk to you.



**For more information:**

The Road Commission of Kalamazoo County will be happy to answer any further questions you may have about mailboxes or other encroachments in the county right-of-way.



**Road Commission of**

**Kalamazoo County**

3801E. Kilgore Road  
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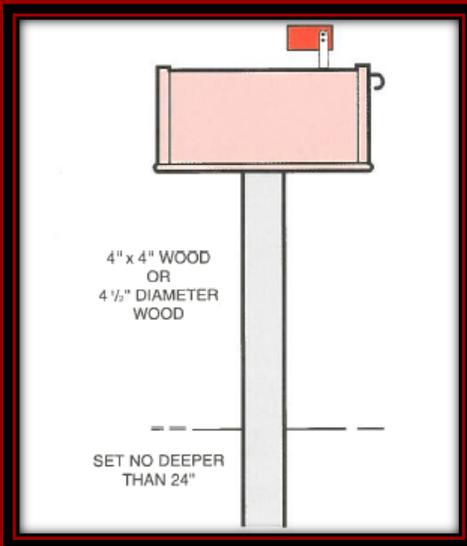
# Guidelines for: Mailboxes and Supports Structure and Location



## Mailbox and Mailbox Support Checklist

### Location

- Mailbox is in the direction of the carrier's route of travel, except on one-way streets.
- Mailbox height is between 42 inches and 48 inches above the road surface.
- Mailbox face is between 8 inches and 12 inches from the outside edge of the road shoulder or 6 inches to 12 inches from the curb.
- Mailbox near an intersection is no closer than 100 feet from the intersecting road.

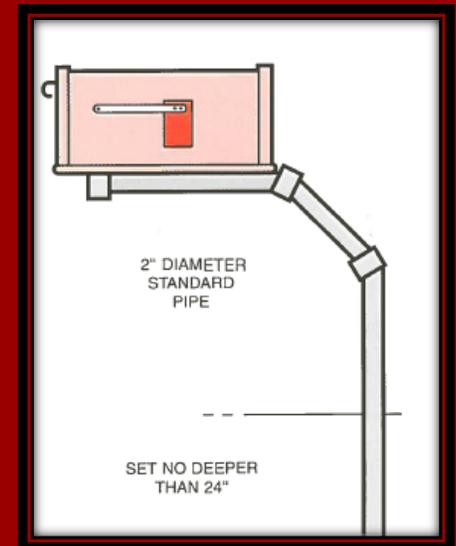


### Structure

- Mailbox is of light steel, aluminum or plastic construction that meets U.S. Postal Service requirements.
- No more than two mailboxes are mounted on a single support structure.
- Mailbox post is a single 4-inch x 4-inch wood post, a 4 1/2 inch diameter wood post, or a 2-inch diameter standard strength steel pipe.
- Mailbox post is not set in concrete.
- Mailbox post is embedded no more than two feet into the ground.
- Mailbox post is not fitted with an anchor plate.
- Mailbox is attached to the post well enough to prevent separation if either box or post is struck by a vehicle.

Minimum spacing between the centers of support posts shall be three-fourths the height of the posts above ground.

The RCKC is authorized to remove mailboxes or posts that do not meet requirements and are, therefore, hazardous to the public. The owners will be notified between 24 hours and 30 days to conform to standards, depending upon the degree of hazard. If unacceptable installations are not removed within the specified time, the RCKC will handle removal at the owners' expense, as provided for by Act 368, Public Acts of 1925, as amended.



If your mailbox location or structure is not in compliance with the regulations cited in the checklist, make adjustments now. Don't let your mailbox or post be an accident waiting to happen. If you have questions call your local post office or visit the RCKC website.