

2017 Proposed Budget



**Kent County
Road Commission**

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	<u>Current Year</u>		
	2015 Actual	Amended 2016 Budget	2017 Budget
Revenue			
Michigan Transportation Funds			
Primary Road Fund	25,923,043	27,495,272	33,469,004
Local Road Fund	5,809,951	6,104,728	7,526,996
Total Michigan Transportation Funds	31,752,994	33,600,000	40,996,000
State Trunkline Maintenance	10,492,092	8,656,000	9,000,000
State General Fund Grant	2,829,114	5,103,164	-
Federal and State Aid	7,417,811	6,513,675	6,629,807
Contributions for work performed for others	6,099,817	5,884,000	5,702,800
Interest	80,910	110,000	95,000
Proceeds from Sale of Fixed Assets	152,689	147,000	700,000
Property Rental	220,973	221,396	161,396
Miscellaneous	29,756	42,900	36,000
Total Operating Revenue	59,076,156	60,278,135	63,321,003
Expenditures			
Construction & Capacity Improvements			
Primary Road System	1,987,726	1,000,000	4,212,086
Local Road System	78,296	-	-
Total Construction/Capacity Improvements	2,066,022	1,000,000	4,212,086
Preservation & Structural Improvements			
Primary Road System	10,168,155	13,570,675	8,282,753
Local Road System	7,178,947	7,527,527	5,610,878
Total Preservation - Structural Improvements	17,347,102	21,098,202	13,893,631
Routine & Preventive Maintenance			
Primary Road System	8,062,104	8,865,000	11,340,000
Local Road System	9,156,640	8,816,000	10,282,000
Total Maintenance	17,218,744	17,681,000	21,622,000
State Trunkline Maintenance	8,163,062	7,756,000	8,100,000
Equipment			
Direct Equipment Expense	4,572,559	4,929,000	5,048,000
Indirect Equipment Expense	2,016,539	2,251,700	2,161,000
Operating Expense	1,353,825	945,000	1,845,000
Total Equipment Expense	7,942,922	8,125,700	9,054,000
Less Equipment Rental Collected	(8,732,836)	(8,909,000)	(9,879,000)
Capital Outlay	3,533,304	7,534,304	5,516,250
Administration	1,395,927	1,503,000	1,459,000
Work Performed for Others	1,085,561	809,000	1,101,000
Less Provision for Depreciation	(2,162,574)	(2,885,000)	(2,080,000)
Fringe Benefits	7,556,556	8,414,327	8,569,510
Distributive Expenses	1,996,908	2,399,300	2,573,500
Total Expenditures	57,410,698	64,526,833	64,141,977
Fund Balances			
Beginning of year Fund Balance	18,286,444	19,951,902	15,703,204
Change in Fund Balance	1,665,458	(4,248,698)	(820,974)
End of year Fund Balance	19,951,902	15,703,204	14,882,230

	Primary Road	Local Road	Road Commission	Total
Revenue				
Michigan Transportation Funds	33,469,004	7,526,996		40,996,000
State Trunkline Maintenance	-		9,000,000	9,000,000
State General Fund Grant	-	-		-
Federal and State Aid	6,629,807			6,629,807
Contributions for work performed for others	740,000	2,867,800	2,095,000	5,702,800
Interest	41,064	15,496	38,440	95,000
Proceeds from sale of Fixed Assets			150,000	700,000
Property Rental			161,396	161,396
Miscellaneous			36,000	36,000
Total Operating Revenue	40,879,875	10,410,292	11,480,836	63,321,003
Expenditures				
Construction & Capacity Improvements				
Primary Road System	4,212,086			4,212,086
Local Road System		-		-
Total Construction/Capacity Improvements	4,212,086	-	-	4,212,086
Preservation & Structural Improvements				
Primary Road System	8,282,753			8,282,753
Local Road System		5,610,878		5,610,878
Total Preservation - Structural Improvements	8,282,753	5,610,878	-	13,893,631
Routine & Preventive Maintenance				
Primary Road System	11,340,000			11,340,000
Local Road System		10,282,000		10,282,000
Total Maintenance	11,340,000	10,282,000	-	21,622,000
State Trunkline Maintenance				
			8,100,000	8,100,000
Equipment				
Direct Equipment Expense			5,048,000	5,048,000
Indirect Equipment Expense			2,161,000	2,161,000
Operating Expense			1,845,000	1,845,000
Total Equipment Expense	-	-	9,054,000	9,054,000
Less Equipment Rental Collected				
			(9,879,000)	(9,879,000)
Capital Outlay				
			5,516,250	5,516,250
Administration	1,191,100	267,900		1,459,000
Work Performed for Others			1,101,000	1,101,000
Less Provision for Depreciation			(2,080,000)	(2,080,000)
Fringe Benefits	5,532,500	1,408,900	1,628,110	8,569,510
Distributive Expenses	1,661,400	423,100	489,000	2,573,500
Total Expenditures	32,219,839	17,992,778	13,929,360	64,141,977
Revenue Over (Under) Expenditures	8,660,036	(7,582,486)	(2,448,524)	(820,974)

Month of Receipt by Michigan Treasury	2015 Actual	Amended 2016 Budget	Estimated Year End Sept. 2016	2017 Budget
October	2,218,181	2,248,000	2,522,623	2,523,000
November	2,322,598	2,353,000	2,569,349	2,569,000
December	2,514,236	2,544,000	2,553,667	2,554,000
January	2,704,985	2,735,000	2,843,882	3,702,000
February	3,343,874	3,374,000	3,428,843	4,287,000
March	2,647,458	2,677,000	2,891,236	3,749,000
April	2,799,868	2,830,000	2,785,474	3,643,000
May	2,291,164	2,321,000	2,321,000	3,179,000
June	2,806,023	2,836,000	2,836,000	3,694,000
July	2,446,213	2,357,000	2,572,231	3,430,000
August	2,859,243	2,748,000	3,006,539	3,865,000
September	2,799,152	4,577,000	2,943,353	3,801,000
Total	31,752,994	33,600,000	33,274,196	40,996,000

	2015 Actual	Amended 2016 Budget	2017 Budget
Revenue			
Primary construction and preservation	14,186	-	740,000
Local construction and preservation	4,029,396	4,620,000	2,867,800
Contributions for costs included in construction & heavy maintenance	<u>4,043,582</u>	<u>4,620,000</u>	<u>3,607,800</u>
Soil erosion control	138,698	130,000	150,000
Permit fees	129,248	120,000	150,000
Plat inspections	18,235	25,000	25,000
Work orders and other services performed for others	1,770,054	989,000	1,770,000
Total fees, inspections and work orders done for others	<u>2,056,235</u>	<u>1,264,000</u>	<u>2,095,000</u>
Total contributions for work done for others	<u><u>6,099,817</u></u>	<u><u>5,884,000</u></u>	<u><u>5,702,800</u></u>
Expenditures			
Soil erosion control	91,792	105,000	105,000
Highway permits	88,052	90,000	90,000
Plat inspections	49,284	50,000	50,000
Work orders performed for others	856,433	564,000	856,000
Total work done for others	<u><u>1,085,561</u></u>	<u><u>809,000</u></u>	<u><u>1,101,000</u></u>

	2015 Actual	Amended 2016 Budget	2017 Budget
Primary Roads			
Construction/Capacity Improvements			
Primary road construction	138,795	367,000	1,992,058
Primary non-motorized construction	1,848,931	633,000	2,220,028
Total Construction/Capacity Improvements	<u>1,987,726</u>	<u>1,000,000</u>	<u>4,212,086</u>
Preservation - Structural Improvements			
Primary road preservation	8,587,146	11,998,175	5,020,713
Primary bridge preservation	334,377	770,000	600,000
Primary safety preservation	1,246,632	802,500	2,662,040
Total Preservation - Structural Improvements	<u>10,168,155</u>	<u>13,570,675</u>	<u>8,282,753</u>
Total Primary Construction and Preservation	<u>12,155,881</u>	<u>14,570,675</u>	<u>12,494,839</u>
Local Roads			
Construction/Capacity Improvements			
Roads	78,296	-	-
Total Construction/Capacity Improvements	<u>78,296</u>	<u>-</u>	<u>-</u>
Preservation - Structural Improvements			
Local road preservation	6,121,178	7,072,527	5,155,878
Local bridge preservation	1,057,061	455,000	455,000
Local non-motorized preservation	-	-	-
Local safety preservation	708	-	-
Total Preservation - Structural Improvements	<u>7,178,947</u>	<u>7,527,527</u>	<u>5,610,878</u>
Total Local Construction and Preservation	<u>7,257,243</u>	<u>7,527,527</u>	<u>5,610,878</u>

	Funding Sources			2017 Budget	
	KCRC	Other	Federal and State Aid	Construction / Capacity Improvements	Preservation / Structural Improvements
Roads (451 / 459)					
Belmont Avenue - S. of 10 Mile Road	1,000,000		530,058	1,530,058	
Kalamazoo Avenue - 76th Street to 84th Street	468,665		931,335	462,000	938,000
Byron Center Avenue - 76th Street to 84th Street	253,120		546,880		800,000
Byron Center Avenue - 68th Street to 76th Street	316,400		683,600		1,000,000
10 Mile Rd - US-131 to Meijer Entrance / Rockford	160,000		280,000		440,000
10 Mile Rd - Meijer Entrance to Childsdale (Chip Seal)	51,543		206,170		257,713
Kraft Avenue - 28th Street to Burton Street	200,000				200,000
Peach Ridge Avenue - 18 Mile Road to 21 Mile Road **	650,000		135,000		785,000
Various - Resurface	100,000				100,000
Overlays	500,000				500,000
Total Roads	3,699,728	-	3,313,043	1,992,058	5,020,713
Non-Motorized (454)					
M-6 Trail Phase 4 *		635,000	1,305,028	1,940,028	
Paul Henry Trail Extension *		105,000	175,000	280,000	
Total Non-Motorized	-	740,000	1,480,028	2,220,028	-
Bridges (460)					
Spe #6 - 21 Mile over Black Creek	300,000				300,000
Cas #27 - Thornapple River Drive north to 60th Street	150,000				150,000
Various	150,000				150,000
Total Bridges	600,000	-	-	-	600,000
Safety (463)					
28th Street @ Kraft Avenue	150,000		400,000		550,000
Crahen Avenue @ E. Fulton Street (M-21)	325,000		264,000		589,000
84th Street @ Clyde Park Avenue	21,000		99,000		120,000
68th Street @ Patterson Avenue	21,000		99,000		120,000
Cannonsburg Road @ Myers Lake Avenue	60,000		270,000		330,000
13 Mile Road @ Alpine Avenue	70,000		315,000		385,000
Whitneyville Avenue @ 68th Street	70,000		315,000		385,000
22 Intersections - Various	8,304		74,736		83,040
Various Locations	100,000				100,000
Total Safety	825,304	-	1,836,736	-	2,662,040
Total Construction, Capacity, Preservation and Structural Improvements	5,125,032	740,000	6,629,807	4,212,086	8,282,753

* Carry Over

** \$540,000 - To be purchased from other RC @ 75%

Projects	Township Portion <i>(see note below)</i>	Road Commission Portion	2017 Budget
Preservation - Structural Improvements - Roads			
Minor Construction			
Ada	22,000	20,000	42,000
Algoma	22,000	20,000	42,000
Bowne	35,200	32,000	67,200
Cannon	8,800	8,000	16,800
Cascade	8,800	8,000	16,800
Grattan	66,000	60,000	126,000
Lowell	13,200	12,000	25,200
Nelson	17,600	16,000	33,600
Oakfield	66,000	60,000	126,000
Solon	44,000	40,000	84,000
Spencer	44,000	40,000	84,000
Tyrone	35,200	32,000	67,200
Total Minor Construction	382,800	348,000	730,800
Local Surface Treatments			
Ada	240,000	240,000	480,000
Algoma	120,000	120,000	240,000
Alpine	120,000	120,000	240,000
Byron	160,000	160,000	320,000
Cannon	240,000	240,000	480,000
Courtland	40,000	40,000	80,000
Cascade	320,000	320,000	640,000
Gaines	140,000	140,000	280,000
Grand Rapids	240,000	240,000	480,000
Plainfield	320,000	320,000	640,000
Sparta	40,000	40,000	80,000
Spencer	80,000	80,000	160,000
Nelson	40,000	40,000	80,000
Total Overlays	2,100,000	2,100,000	4,200,000
Local Construction			
Oakfield	385,000	350,000	735,000
Total Local Construction	385,000	350,000	735,000
Preservation - Structural Improvements - Roads	2,867,800	2,798,000	5,665,800
Preservation - Structural Improvements - Bridges	-	500,000	500,000
Preservation - Structural Improvements - Safety			
Total Local Preservation - Structural Improvements	2,867,800	3,298,000	6,165,800

Note: Budget amounts include direct costs, costs of benefits and overhead.

Classification of Work	Amended		
	2015 Actual	2016 Budget	2017 Budget
Adopt-a-Road Expenses	13,439	10,000	15,000
Bridge Preventative Maint.	106,698	-	100,000
Bridge Replacement	27,810	-	-
Drainage and backslopes	516,134	500,000	1,000,000
All Weather Widen 5-Lane	204	-	-
Grass and weed control	116,582	200,000	200,000
Guard Rail & Posts	33,004	50,000	50,000
Inspection	9	-	-
Pavement marking	532,881	450,000	550,000
Restoration	6,875	10,000	10,000
Roadside cleanup	40,740	40,000	50,000
Sealcoating	1,086,873	1,500,000	3,000,000
Shoulder maintenance	229,039	300,000	300,000
Spot Mill and Fill	339,727	-	-
Structure maintenance	1,295	50,000	50,000
Supervision	183,076	250,000	250,000
Surface maintenance	1,146,887	1,500,000	1,500,000
Surface treatments	305,183	200,000	300,000
Sweeping and flushing	127,990	150,000	150,000
Traffic counts	21,352	20,000	30,000
Traffic signal energy	115,792	150,000	150,000
Traffic signals	348,613	400,000	425,000
Traffic signs	205,300	275,000	300,000
Trees and shrubs	596,280	600,000	700,000
Weight limit signing	8,618	10,000	10,000
Winter maintenance	1,951,703	2,200,000	2,200,000
Total Routine and Preventive Maintenance	8,062,104	8,865,000	11,340,000

Classification of Work	Amended		
	2015 Actual	2016 Budget	2017 Budget
Adopt-a-Road Expenses	5,413	8,000	8,000
All weather widen 5-lane	975	-	-
Bridge Preventive Maint.	12,972	-	-
Deep Overlay More than 1.5"	15,827	-	-
Drainage and backslopes	951,820	900,000	1,500,000
Dust control	316,333	400,000	400,000
Grass and weed control	169,245	200,000	200,000
Guard Rail & Posts	2,824	25,000	25,000
Local Road Reconsturct	442	-	-
Pavement marking	264,787	225,000	300,000
Restoration	60,343	40,000	40,000
Roadside cleanup	30,118	30,000	35,000
Sealcoating	1,550,141	800,000	1,500,000
Shoulder maintenance	125,369	175,000	175,000
Spot Mill and Fill	592,839	-	-
Structure maintenance	-	20,000	20,000
Supervision	246,462	275,000	275,000
Surface maintenance	1,892,726	2,000,000	2,000,000
Surface treatments	1,566	300,000	300,000
Sweeping and flushing	4,207	20,000	20,000
Traffic counts	15,343	15,000	25,000
Traffic Signal Energy	519	1,000	2,000
Traffic signals	5,294	10,000	20,000
Traffic signs	139,267	165,000	230,000
Trees and shrubs	794,586	800,000	800,000
Weight limit signing	5,948	7,000	7,000
Winter maintenance	1,951,274	2,400,000	2,400,000
Total Routine and Preventive Maintenance	9,156,640	8,816,000	10,282,000

	Amended		
	2015 Actual	2016 Budget	2017 Budget
Direct equipment expense			
Depreciation	1,762,096	2,037,000	2,323,000
Other costs	1,962,918	1,814,000	1,750,000
Personnel costs	847,544	1,078,000	975,000
Total Direct equipment expense	4,572,559	4,929,000	5,048,000
Indirect equipment expense			
Depreciation	267,267	285,000	301,000
Insurance	83,879	124,000	90,000
Other costs	372,851	402,000	380,000
Personnel costs	842,266	932,000	900,000
Supplies	226,324	231,000	230,000
Utilities	223,952	277,700	260,000
Total Indirect equipment expense	2,016,539	2,251,700	2,161,000
Operating equipment expense			
Fuels and other operating expenses	1,265,617	850,000	1,750,000
Personnel costs	88,208	95,000	95,000
Total Operating equipment expense	1,353,825	945,000	1,845,000
Total Equipment operation and maintenance expense	7,942,922	8,125,700	9,054,000

	Amended		
	2015 Actual	2016 Budget	2017 Budget
Administrative Expenditures:			
Advertising	22,908	14,000	18,000
Depreciation	34,329	19,000	36,000
Equipment rental	23,897	14,000	19,000
Information systems	72,977	76,000	74,000
Insurance	22,403	53,000	38,000
Other	95,878	101,000	98,000
Personnel costs	774,002	947,000	861,000
Professional services	117,166	109,000	113,000
Repairs and maintenance	85,854	85,000	85,000
Supplies and postage	111,052	70,000	91,000
Utilities	134,413	133,000	134,000
Subtotal	1,494,881	1,621,000	1,567,000
Less administrative credits:			
Handling charges on materials sold	83,774	99,000	91,000
Purchase discounts	15,180	19,000	17,000
	98,954	118,000	108,000
 Net Administrative Expenditures	 1,395,927	 1,503,000	 1,459,000

		Amended		
		2015 Actual	2016 Budget	2017 Budget
Engineering				
Engineering services		307,141	325,000	340,000
Public services		198,811	200,000	225,000
County maps		-	15,000	2,000
Bridge inspections		20,277	30,000	20,000
Right of way		88,088	60,000	80,000
Training & Travel		59,042	50,000	50,000
Planning Services		186,262	130,000	140,000
Pavement management		5,480	15,000	20,000
Stormwater management		71,038	350,000	350,000
Geographic information system		-	45,000	45,000
	Total Engineering	<u>936,139</u>	<u>1,220,000</u>	<u>1,272,000</u>
Maintenance				
Administration		80,183	75,000	80,000
Small tools		10,176	10,000	15,000
Driver training		21,110	6,000	10,000
Professional activities		884	5,000	5,000
Training & Travel		74,083	45,000	45,000
	Total Maintenance	<u>186,437</u>	<u>141,000</u>	<u>155,000</u>
Traffic and Safety				
Supervision		262,481	305,000	375,000
Support staff		28,343	44,000	50,000
Traffic Services		66,364	44,000	120,000
Safety and first aid		61,109	50,000	94,000
Professional activities		664	1,800	7,000
Training & Travel		3,493	6,000	7,000
Road patrol		43,627	45,000	50,000
	Total Traffic and Safety	<u>466,080</u>	<u>495,800</u>	<u>703,000</u>
Liability insurance and claims				
Insurance premium		103,445	231,000	110,000
Accident investigation		3,253	6,000	6,000
Claims and deductibles		20,789	17,500	17,500
	Total liability insurance and claims	<u>127,487</u>	<u>254,500</u>	<u>133,500</u>
Inventory and Material Handling				
Sand handling		80,806	85,000	85,000
Salt handling		64,849	70,000	70,000
Road materials inventory adjustment		(27,767)	-	-
	Total inventory and material handling	<u>117,887</u>	<u>155,000</u>	<u>155,000</u>
Yard and Storage Facilities				
Gravel pit maintenance		62,964	8,000	25,000
Brine tank maintenance		3,531	10,000	10,000
Salt storage maintenance		2,985	15,000	20,000
Depreciation		93,397	100,000	100,000
	Total Yard and Storage Facilities	<u>162,877</u>	<u>133,000</u>	<u>155,000</u>
	Total Distributive Expenditures	<u><u>1,996,908</u></u>	<u><u>2,399,300</u></u>	<u><u>2,573,500</u></u>

	Amended		
	2015 Actual	2016 Budget	
Fringe Benefits			
Hospitalization, dental, and life insurance	2,721,488	3,531,000	3,746,000
Longevity	97,583	93,000	97,000
Other costs	1,606	5,000	2,000
Other post-employment benefits	349,449	163,107	159,910
Payroll taxes	1,012,731	1,082,220	1,074,000
Retirement plan	1,023,641	1,239,000	1,086,000
Safety Supplies	19,238	20,000	18,000
Sick leave	454,555	440,000	482,000
Unemployment compensation	-	5,600	9,600
Vacation and holiday	1,351,250	1,407,000	1,435,000
Worker compensation	525,014	428,400	460,000
Total fringe benefits	<u>7,556,556</u>	<u>8,414,327</u>	<u>8,569,510</u>

Quantity		Unit Cost	2017 Budget
Buildings			
1	Warehouse South Complex	500,000	500,000
1	Warehouse North Complex	260,000	260,000
1	Parking lot and driveway improvements	150,000	150,000
1	Parking lot LED lighting	45,000	45,000
1	#10,000 Fork lift	35,000	35,000
1	Shop air compressor	9,000	9,000
3	Fuel dispensers	8,000	24,000
4	Overhead and entrance doors	6,250	25,000
			<u>1,048,000</u>
Large trucks			
3	64,000 lbs dump trucks	225,000	675,000
6	40,000 lbs dump trucks	190,000	1,140,000
50	Advanced vehicle location (GPS)	1,300	65,000
			<u>1,880,000</u>
Construction			
2	Motor graders	330,000	660,000
2	Motor graders	140,000	280,000
2	Tractors	77,000	154,000
2	Skid steer loader w/clam bucket	75,000	150,000
1	Mini excavator	75,000	75,000
1	Dura patcher	70,000	70,000
1	Berm removal equipment	50,000	50,000
1	20 ton trailers	27,000	27,000
2	Side mowers	25,000	50,000
2	Rear mowers	25,000	50,000
1	Forestry head attachment	25,000	25,000
3	Cross conveyors	14,000	42,000
2	7 ton trailers	12,000	24,000
	Weed whips/ chain saws/ pole saws	15,000	15,000
			<u>1,672,000</u>
Small trucks			
1	1 ton 4x4 with v-plow	62,000	62,000
3	1 ton dump / flat bed	57,000	171,000
4	4x4 1/2 ton Pickups	34,000	136,000
1	Patrol Truck	32,000	32,000
3	Engineering Pickups	27,000	81,000
6	4x2 1/2 ton Pickups	25,000	150,000
			<u>632,000</u>
Passenger vehicles			
3	Cars	29,000	87,000
			<u>87,000</u>
Shop Tools			
1	Hydraulic iron worker	8,000	8,000
1	Metal band saw	7,500	7,500
1	Lathe	6,000	6,000
1	Hydraulic power unit	5,500	5,500
1	Air compressor for shop truck	3,500	3,500
			<u>30,500</u>
Administration			
1	Walkerview Site Plan Development	125,000	125,000
1	Precision HR Module Enhancement	29,000	29,000
1	Gas air monitor	5,850	5,850
3	55" TV's	700	2,100
16	Tablets	300	4,800
			<u>166,750</u>
Total Capital Outlay			<u><u>5,516,250</u></u>