

	2018 Actual	2019 Amended Budget	2020 Budget	Attachment
Revenue				
Michigan Transportation Funds (MTF)	45,141,282	47,095,879	53,865,467	
State General Fund				
Surplus Appropriation	3,348,139	5,764,383	-	
Additional Appropriation	-	1,000,000	-	
Federal and State Grants				
Motorized	5,024,208	7,263,584	6,591,097	A
Non-Motorized	1,157,935	4,098,000	336,000	A
State Trunkline contract	9,524,664	11,500,000	10,500,000	
Local Government Contributions	5,606,535	10,944,500	7,010,175	
Services Provided	1,734,369	2,300,000	1,800,000	
Sale of Capital Assets and salvage	447,555	350,000	300,000	
Property Rental	177,220	165,000	175,000	
Interest	284,035	500,000	650,000	
Total Revenue	72,445,942	90,981,346	81,227,739	
Expenditures				
Primary Roads				
Reconstruction	9,013,583	16,305,000	11,220,000	
Resurfacing	1,230,193	780,000	1,000,000	
Preservation	4,454,448	3,800,000	4,155,000	
Safety	4,195,626	4,095,000	3,280,000	
Bridges and Culverts	553,206	2,375,000	1,000,000	
Total Primary Roads	19,447,056	27,355,000	20,655,000	A
Local Roads				
Reconstruction	7,319,146	10,160,000	11,038,350	
Resurfacing	1,566,728	1,146,000	1,409,000	
Preservation	3,585,657	3,595,000	3,820,000	
Safety	438,898	1,026,500	596,000	
Bridges and Culverts	825,101	265,000	500,000	
Total Local Roads	13,735,530	16,192,500	17,363,350	
Routine Maintenance				
State	5,652,463	7,195,000	6,500,000	
Primary	5,493,969	7,500,000	8,325,000	B
Local	8,486,886	9,000,000	9,825,000	B
Total Routine Maintenance	19,633,318	23,695,000	24,650,000	
Winter Maintenance				
State	3,863,849	4,305,000	4,000,000	
Primary	2,496,880	2,800,000	3,140,000	
Local	2,397,408	2,745,000	3,140,000	
Total Winter Maintenance	8,758,137	9,850,000	10,280,000	
Non-Motorized	1,676,108	6,987,000	525,000	A
Equipment Operations	1,225,159	1,499,650	909,500	
Capital Outlay				
Buildings	471,212	782,000	980,000	C
Equipment	4,273,707	5,354,000	3,539,500	C
Depreciation	(3,873,669)	(3,900,000)	(4,100,000)	
Services Provided	1,132,102	2,000,000	1,500,000	
Administration	2,346,801	2,500,000	2,750,000	D
Contingency	-	5,125,000	5,000,000	
Total Expenditures	68,825,461	97,440,150	84,052,350	
Revenues Over (Under) Expenditures	3,620,481	(6,458,804)	(2,824,611)	
Fund Balance, Beginning of Year	19,135,974	22,756,455	16,297,651	
Projected Fund Balance, End of Year	22,756,455	16,297,651	13,473,040	

Category	Road	Limits	Miles	Lane Miles	Improvement	Source of Funds			Project Total
						KCRC	Federal/State	Local	
Reconstruction									
Expansion/All-Season									
	84th St.	Division Ave. to Eastern Ave.	1.0	3.0	Reconstruct to 3 lanes	\$ 384,739	\$ 1,040,261		\$ 1,425,000
	84th St.	Kalamazoo Ave. to Breton Ave.	1.0	2.0	All-Season	420,000	1,120,000		1,540,000
	68th St.	Burlingame Ave. to Clyde Park Ave.	1.0	3.0	Widen to 3 lanes	313,500	566,500		880,000
	Segwun Ave.	Alden Nash Ave. to Grand River Dr.	0.5	1.5	Reconstruct/Widen to 3 lanes	261,986	713,014		975,000
	100th St.	E. and W. of US-131	0.2	0.6	Reconstruct Approach to 3 lanes	518,678	301,322		820,000
	Preliminary Engineering					300,000	-		300,000
Full Depth Pavement									
	68th St.	Byron Center Ave. to Burlingame Ave.	1.0	5.0	Resurface	298,500	646,500		945,000
	Fruit Ridge Ave.	6 Mile Rd. to 10 Mile Rd.	4.0	8.0	Resurface	593,000	877,000		1,470,000
	Knapp St.	E. City Limit to East Beltline Ave.	1.0	5.0	Resurface	198,500	426,500		625,000
	Leffingwell Ave.	City limits to Knapp St.	0.5	1.5	Resurface	265,000			265,000
	Grand River Dr.	Snow to Segwun	4.5	9.0	Resurface	275,000	900,000		1,175,000
	Various Locations		2.5	5.0	Resurface	800,000			800,000
Total Reconstruction			17.2	43.6		4,628,903	6,591,097	-	11,220,000
Resurfacing									
	Overlays	Various Locations	5.0	11.0	Resurface	1,000,000			1,000,000
Total Resurfacing			5.0	11.0		1,000,000	-	-	1,000,000
Preservation									
	Surface Treatments	Various Locations	75.0	165.0	Sealcoat and Micro Surface	3,705,000			3,705,000
	Thin Overlays		4.6	10.0		450,000			450,000
Total Preservation			79.6	175.0		4,155,000	-	-	4,155,000
Safety									
	Various Locations				Capacity / Safety Improvement	500,000			500,000
	Northland Dr. and 13 Mile Rd.				Signal Upgrade	150,000			150,000
	Thornapple River Dr. and Laraway Lake Dr.				Signal Upgrade	150,000			150,000
	Cascade Rd. and Laraway Lake Dr.				Signal Upgrade	150,000			150,000
	West River Dr. and West River Center				Signal Upgrade	150,000			150,000
	West River Dr. and Lamoreaux Dr.				Signal Upgrade	150,000			150,000
	76th St. RR Crossing Gates @ Grand Elk RR				Crossing Gates	400,000			400,000
Total Safety						1,650,000	-	-	1,650,000
Bridges and Culverts									
	Preventive Maintenance Various Locations					1,000,000			1,000,000
Total Bridges and Culverts						1,000,000	-	-	1,000,000
Total Primary Road Projects			101.8	229.6		\$ 12,433,903	\$ 6,591,097	\$ -	\$ 19,025,000
Non-Motorized									
	4 Mile sidewalk						105,000	70,000	175,000
	Nelson Twp Trail						231,000	119,000	350,000
Total Non-Motorized						\$ 336,000	\$ 189,000	\$ 525,000	

Note: Projects are subject to change.

Primary

	2018	2019	2020
	Actual	Amended Budget	Budget
Adopt-a-Road Expenses	15,755	28,409	29,829
Bridge Preventative Maint.	1,071	113,636	119,318
Brush back mowing	-	227,273	238,637
Crack sealing	168,711	340,909	357,954
Drainage And Backslopes	1,092,321	1,136,364	1,243,182
Grass And Weed Control	302,786	397,727	617,613
Guard Rail & Posts	27,913	56,818	259,659
Partial Depth Mill and Fill	-	113,636	119,318
Restoration	38,729	34,091	35,796
Roadside Cleanup	73,261	85,227	89,488
Shoulder Maintenance	320,772	454,545	477,272
Spot Mill and Fill	1,186	340,909	357,954
Supervision	526,102	568,182	596,591
Surface Maintenance	1,781,435	2,272,727	2,386,363
Sweeping And Flushing	204,412	170,455	178,978
Trees And Shrubs	920,431	1,136,364	1,193,182
Weight Limit Signing	19,085	22,728	23,864
Total Primary	\$ 5,493,969	\$ 7,500,000	\$ 8,325,000

Local

Description	2018	2019	2020
	Actual	Budget	Budget
Adopt-a-Road Expenses	8,353	10,778	11,317
Bridge Preventative Maint.	-	53,892	56,587
Brush back mowing	-	107,784	113,173
Crack sealing	95,291	107,784	113,173
Drainage And Backslopes	2,041,580	1,886,228	2,130,539
Dust Control	406,160	485,030	509,282
Grass And Weed Control	322,566	323,353	339,521
Guard Rail & Posts	19,077	53,892	56,587
Restoration	82,835	80,838	84,880
Roadside Cleanup	49,093	53,892	56,587
Shoulder Maintenance	200,268	269,461	282,934
Supervision	648,030	646,707	679,042
Surface Maintenance	3,029,585	3,233,533	3,395,210
Sweeping And Flushing	68,875	43,114	120,270
Trees And Shrubs	1,492,862	1,616,766	1,847,604
Weight Limit Signing	22,312	26,948	28,295
Total Local	\$ 8,486,886	\$ 9,000,000	\$ 9,825,000

	<u>Unit Cost</u>	<u>2020 Budget</u>
Buildings		
Pave drive & storage area at North		\$ 250,000
Replace underground fuel storage tanks at North		250,000
Relocate blade pit at South		250,000
Add road material storage bunkers at North		100,000
Pave drive & storage area at Central		100,000
Replace boiler at North		30,000
Total Buildings		<u>\$ 980,000</u>
Plow Trucks		
Five Axle Truck		
1 Chassis	140,000	140,000
1 Live bottom v-box	70,000	70,000
1 Underbody scraper	8,000	8,000
Labor to complete truck		32,000
Single Axle Truck		
8 Chassis	110,000	880,000
8 Underbody scraper	8,000	64,000
8 Wing	7,000	56,000
Labor to complete trucks		480,000
Total Large Trucks		<u>1,730,000</u>
Heavy Equipment		
Replacements		
1 Loader	170,000	170,000
2 Tractor	85,000	170,000
2 Side mower	25,000	50,000
2 Rear mower	10,000	20,000
1 Excavator	170,000	170,000
1 Mini excavator	70,000	70,000
2 Skid steer	80,000	160,000
2 Clam bucket	5,000	10,000
2 Trailer - 16,000 lb	18,000	36,000
1 Trailer - 50,000 lb	40,000	40,000
1 Durapatcher	75,000	75,000
1 Tar kettle	15,000	15,000
1 Enclosed trailer	10,000	10,000
Additions		
1 Hotpatcher	24,000	24,000
1 Chipper	60,000	60,000
1 Trailer-mounted compressor	20,000	20,000
Total Heavy Equipment		<u>1,100,000</u>
Small Equipment		
Winter Equipment		
1 Front plow - left	9,000	9,000
1 Front plow - right	9,000	9,000
1 Front v-plow	9,000	9,000
Power Tools		10,000
Shop Tools		10,000
Total Winter Equipment		<u>47,000</u>
Work Trucks		
1 1 ton 4x2 SRW crew cab	35,000	35,000
2 1 ton 4x2 DRW crew cab	65,000	130,000
1 1 ton 4x4 SRW extended cab with plow	41,000	41,000
2 1 ton 4x4 SRW extended cab with plow and utility box	48,000	96,000
1 1 ton 4x4 SRW crew cab with plow and lift gate	50,000	50,000
3 1/2 ton 4x4 extended cab	36,000	108,000
1 1/2 ton 4x4 extended cab	30,000	30,000
Total Work Trucks		<u>490,000</u>
Passenger vehicles		
4 Cars/SUV	30,000	<u>120,000</u>
Engineering		
2 Nuclear density gauges	10,000	20,000
1 Robotic total station	22,500	22,500
1 Drone with FPV goggles	10,000	10,000
Total Engineering		<u>52,500</u>
Total Equipment		<u>\$ 3,539,500</u>

	2018 Actual	2019 Amended Budget	2020 Budget
Advertising	\$ 53,159	\$ 40,000	\$ 50,000
Depreciation	63,530	59,000	65,000
Equipment Rental	38,152	36,000	46,000
Information Technology	154,309	100,000	150,000
Insurance	58,755	80,000	80,000
Personnel Costs	1,524,784	1,766,000	1,900,000
Professional Services	187,130	158,000	205,000
Repairs and Maintenance	92,027	95,000	75,000
Supplies	105,009	100,000	110,000
Training and Travel	19,592	17,000	20,000
Utilities	135,031	139,000	149,000
Handling Charges on Materials Sold	(78,553)	(85,000)	(95,000)
Purchase Discounts	(6,125)	(5,000)	(5,000)
Total Administration	\$ 2,346,801	\$ 2,500,000	\$ 2,750,000