

Ross Township
2018 Pavement Maintenance Program
Opinion of Probable Cost
January 5, 2017

Year	STREET NAME	FROM:	TO:	Length (FT)	Width (FT)	Area (SY)	3.5"+/-	2" 19mm	1.5" 9.5mm	Bituminous Wedge Curb (LF)	MH Adjustments	Inlet Adjustments	ADA Ramp (EA)	Line Striping (LS)	Traffic Control / Restoration (LS)	Estimated Cost	Estimated Cost w/10% Contingency
							Milling (SY)	Binder (TON)	0-0.3 ESALS (SY)								
2018	Gail Road	Miller Road	Cul-de-sac	330	23.6	980	980	138	980	810	2	2	0	0	1	\$18,276.85	\$20,104.54
2018	Miller Road	Goldsmith Road	Gail Road	638	25.2	2,226	2,226	293	2,226	1,276	3	3	0	0	1	\$37,728.27	\$41,501.10
2018	Miller Road	Gail Road	Thompson Run Rd	435	25.1	1,215	1,215	166	1,215	870	2	4	0	0	1	\$22,354.21	\$24,589.63
2018	Twin Oaks Drive	Siebert Road	Richmond Circle	1055	22.8	2,735	2,735	380	2,735	2,110	2	0	0	0	1	\$46,040.32	\$50,644.36
2018	Goldsmith Road	Sunset Drive	Siebert Road	860	29.0	2,771	2,771	369	2,771	1,720	1	0	0	0	1	\$45,148.53	\$49,663.39
2018	Wimer Circle	Wimer Drive	Jessica Drive	1044	23.8	2,802	2,802	387	2,802	2,088	0	10	0	0	1	\$49,329.31	\$54,262.24
2018	Wimer Circle	Jessica Drive	Wimer Drive	360	25.4	1,125	1,125	151	1,125	720	2	2	0	0	1	\$20,064.30	\$22,070.73
2018	13th Street	8th Avenue	Terminus	374	23.2	1,007	1,007	139	1,007	748	1	0	0	0	1	\$17,581.59	\$19,339.75
2018	6th Avenue	5th St	3rd St	1002	23.5	2,615	2,615	363	2,615	2,004	2	2	0	0	1	\$44,657.45	\$49,123.19
2018	6th Avenue	3rd St	7th St	498	21.8	1,226	1,226	172	1,226	996	1	1	0	0	1	\$21,667.74	\$23,834.52
2018	Bellevue Avenue	Schwittter Avenue	Rochester Road	435	18.0	885	885	130	885	870	0	0	0	0	1	\$15,909.70	\$17,500.67
2018	Kenyon Avenue	Vassar Avenue	Harvard Avenue	197	21.3	467	467	66	467	394	1	1	0	0	1	\$9,283.74	\$10,212.11
2018	Lilly Avenue	Princeton Avenue	Culdesac	825	24.1	2,271	2,271	250	2,271	0	0	2	0	0	1	\$33,558.05	\$36,913.86
2018	Homer Avenue	Cedar Drive	Schars Lane	550	24.0	1,467	1,467	203	1,467	1,100	2	3	0	0	1	\$26,243.50	\$28,867.85
2018	Homer Avenue	Cedar Drive	Good Lane	1120	24.0	3,400	3,400	458	3,400	2,240	4	2	0	0	1	\$56,966.00	\$62,662.60
2018	Thompson Drive	Jefferson Drive	Madison Circle	440	31.0	1,625	1,625	179	1,625	0	1	1	0	0	1	\$24,463.75	\$26,910.13
2018	Thompson Drive	Madison Circle	Washington Drive	425	31.0	1,465	1,465	165	1,465	100	2	0	0	0	1	\$22,495.05	\$24,744.56
2018	Thompson Drive	Washington Drive	Haden Drive	540	32.0	2,005	2,005	261	2,005	1,080	5	0	0	0	1	\$33,761.35	\$37,137.49
2018	Reel Avenue	Perry Highway	Second Street	651	22.1	1,605	1,605	225	1,605	1,302	2	1	0	0	1	\$28,157.10	\$30,972.81
2018	N Fremont Avenue	Beech Avenue	E Forest Avenue	240	30.5	814	814	108	814	480	2	0	1	0	1	\$19,408.98	\$21,349.88
2018	Norbert Street	Terminus	Beech Avenue	120	24.3	323	323	45	323	240	0	0	0	0	1	\$6,227.30	\$6,850.03
2018	Norbert Street	Beech Avenue	E Forest Avenue	193	24.3	520	520	72	520	386	1	0	0	0	1	\$9,707.24	\$10,677.96
2018	Orth Street	Clearview Avenue	Amethyst St	222	20.4	551	551	77	551	444	0	0	0	0	1	\$10,005.31	\$11,005.84
2018	Ravenswood Avenue	Forest Avenue	Quaill Avenue	418	24.4	1,134	1,134	156	1,134	836	1	0	0	0	1	\$19,619.52	\$21,581.47
2018	William Street	Bostwick Drive	Terminus	475	22.9	1,341	1,341	183	1,341	950	1	1	0	0	1	\$23,157.25	\$25,472.97
2018	Alamac Avenue	Clarwin Avenue	Terminus	678	18.0	1,355	1,355	200	1,355	1,356	0	1	0	0	1	\$24,196.37	\$26,616.01
2018	Cherryland Street	BrethAvenuer Avenue	Elmer St	567	19.9	1,254	1,254	180	1,254	1,134	6	2	0	0	1	\$24,243.11	\$26,667.42
2018	Cleveland Avenue	Westview Avenue	King Avenue	345	29.8	1,254	1,254	164	1,254	690	0	0	0	0	1	\$20,594.59	\$22,654.05
2018	Connie Drive	Merwood Drive	Merwood Drive	1175	24.6	3,308	3,308	452	3,308	2,350	5	4	0	0	1	\$56,883.32	\$62,571.65
2018	King Avenue	Cleveland Avenue	Roseland Avenue	1447	18.8	3,060	3,060	445	3,060	2,894	4	5	0	0	1	\$54,928.34	\$60,421.18
2018	Renfer Street	Orchard St	Private Drive	419	20.4	1,001	1,001	142	1,001	838	2	0	0	0	1	\$18,052.40	\$19,857.65
2018	Renfer Street	Private Drive	Nelson Run Road	1344	20.2	3,013	3,013	432	3,013	2,688	5	2	0	0	1	\$53,082.20	\$58,390.41
2018	Renfer Street	Orchard St	Terminus	550	23.2	1,419	1,419	197	1,419	1,100	2	0	0	0	1	\$24,669.96	\$27,136.96
2018	Lee Avenue	Beech Street	Elm Street	1020	21.8	2,513	2,513	353	2,513	2,040	5	3	0	0	1	\$44,524.43	\$48,976.87
2018	Lee Avenue	Route 19	Beech Street	558	26.3	1,672	1,672	226	1,672	1,116	2	0	0	0	1	\$28,277.74	\$31,105.51
2018	Pine Street	Lee Avenue	Main Blvd	529	19.8	1,180	1,180	169	1,180	1,058	1	2	0	0	1	\$21,492.62	\$23,641.88
2018	Oxridge Drive	Charterwood	TWP Line	1204	31.1	4,405	4,405	489	4,405	112	0	8	0	0	1	\$65,697.56	\$72,267.32
2018	Transvaal Avenue	Bascom Avenue	Township Line	1200	19.0	2,400	2,400	354	2,400	2,400	6	3	0	0	1	\$44,248.00	\$48,672.80
2018	Hanway Street	Perry Highway	Terminus	475	20.0	1,215	1,215	138	1,215	112	1	1	0	0	1	\$19,011.45	\$20,912.60
2018	Washington Blvd	Perry Highway	Elm Street	1525	25.0	4,236	4,236	580	4,236	3,050	9	4	0	0	1	\$73,118.33	\$80,430.17
2018	Washington Blvd	Elm Street	Spruce Street	215	26.5	633	633	86	633	430	1	0	0	0	1	\$11,421.84	\$12,564.03
2018	Sunderland Drive	Dombay	2nd Drood Lane	1040	31.0	4,060	4,060	447	4,060	0	2	8	0	0	1	\$61,124.20	\$67,236.62
2019	Baker Drive	Park Place	Terminus	695	18.1	1,453	1,453	186	1,453	695	0	1	0	0	1	\$23,710.72	\$26,081.79
2019	Baker Drive	Park Place	Brandon Court	1408	27.7	4,342	4,342	478	4,342	0	1	8	0	0	1	\$64,786.54	\$71,265.19
2019	Brandon Court	Baker Drive	Cul-de-sac	250	28.7	1,513	1,513	195	1,513	751	1	1	0	0	1	\$25,013.93	\$27,515.32
2019	Kinvara Court	Woodland Rd	Cul-de-sac	723	30.3	3,663	3,663	467	3,663	1697	0	5	0	0	1	\$58,829.28	\$64,712.21
2019	Woodland Road	Kinvara Drive	Kinvara Court	709	30.7	2,415	2,415	312	2,415	1242	0	2	0	0	1	\$39,090.94	\$43,000.03
2019	Woodland Road	Kinvara Court	Tara Drive	950	30.1	3,177	3,177	349	3,177	0	0	6	0	0	1	\$47,495.47	\$52,245.01
2019	Willow Drive	Schars Lane	Washington Drive	548	22.6	1,684	1,684	185	1,684	0	0	0	0	0	1	\$24,689.52	\$27,158.47
2019	Wood Drive	Jefferson Drive	Sylvania Drive	491	23.2	1,304	1,304	180	1,304	982	3	3	0	0	1	\$23,926.92	\$26,319.61
2019	Woodland Terrace	Washington Drive	Woodland Ter	387	21.1	908	908	129	908	774	0	2	0	0	1	\$16,564.36	\$18,220.80

2019	Amherst Avenue	Casper Avenue	Kenyon Road	753	24.8	2,071	2,071	284	2,071	1500	2	2	0	0	1	\$35,579.49	\$39,137.44
2019	Casper Avenue	Gass Road	Amherst Avenue	380	22.6	1,210	1,210	162	1,210	760	2	3	0	0	1	\$21,671.70	\$23,838.87
2019	Golf Drive	Terminus	Petunia Avenue	194	20.6	443	443	63	443	388	0	0	0	0	1	\$8,328.64	\$9,161.51
2019	Golf Drive	Petunia Avenue	Carnation Ave	300	20.8	693	693	99	693	600	0	0	0	0	1	\$12,449.73	\$13,694.70
2019	Golf Drive	Carnation Avenue	Gass Road	400	22.0	1,051	1,051	146	1,051	800	1	3	0	0	1	\$19,244.44	\$21,168.89
2019	Logan Drive	Gass Road	Terminus	890	21.8	2,190	2,190	308	2,190	1,780	0	0	0	0	1	\$36,847.87	\$40,532.65
2019	Marion Drive	Cul-de-sac	Rolling Drive	200	24.9	782	782	101	782	400	1	1	0	0	1	\$13,734.76	\$15,108.23
2019	Marion Drive	Rolling Drive	Gass Road	278	24.4	797	797	109	797	556	0	0	0	0	1	\$13,786.44	\$15,165.09
2019	Petunia Avenue	Golf Drive	Terminus	501	24.0	1,384	1,384	190	1,384	1,002	1	1	0	0	1	\$23,903.53	\$26,293.88
2019	Crestnol Drive	Bernice Street	Cul-de-sac	620	24.8	3,096	3,096	341	3,096	0	1	2	0	0	1	\$45,459.31	\$50,005.24
2019	Elrose Drive	Neola Drive	Cul-de-sac	509	31.7	2,222	2,222	244	2,222	0	2	1	0	0	1	\$33,159.27	\$36,475.19
2019	Grandview Avenue	Good Lane	Cedar Drive	1100	24.8	3,042	3,042	362	3,042	725	4	0	0	0	1	\$47,047.50	\$51,752.25
2019	Grandview Avenue	Cedar Drive	Schars Lane	631	24.4	1,755	1,755	217	1,755	635	4	0	0	0	1	\$28,679.69	\$31,547.66
2019	Ambard Avenue	N Balph Avenue	Terminus	595	26.1	1,749	1,749	192	1,749	0	3	1	1	0	1	\$31,803.74	\$34,984.11
Additional	Prisilla Drive	9th Street	Cul-de-sac	1455	25.1	4,179	4,179	569	4,179	2,910	0	2	0	0	1	\$68,623.77	\$75,486.15
Additional	East Belleve St	Stevenson Street	Clearview Avenue	209	22.4	519	519	73	519	418	2	0	0	0	1	\$10,083.41	\$11,091.76
Additional	Amethyst Street	Clearview Avenue	Orth Street	630	19.2	1,358	1,358	197	1,358	1,260	1	1	0	0	1	\$24,261.87	\$26,688.06
Quantity Cost Check																\$2,224,150.97	\$2,446,566.06
Totals:				43544		125,555	125,555	16,324	125,555	67,008	118	123	2	1	68	\$2,224,150.97	\$2,446,566.06
ESTIMATE					Unit Cost			\$1.50	\$62.00	\$5.75	\$0.50	\$300.00	\$300.00	\$5,000.00	\$5,000.00	\$1,000.00	

8.25 Miles

Base Repair	1883	SY	2018	2019	2018 Sum	\$ 1,372,624.51	\$ 1,509,886.96
(1.5%)	\$ 60.00		1087	644	2019 Sum	\$ 734,452.99	\$ 807,898.29
			Add		Add	\$ 112,073.46	\$ 123,280.81
			152		Sum Check	\$ 2,224,150.97	\$ 2,446,566.06

STREET NAME	FROM:	TO:	Length (FT)	Width (FT)	Area (SY)	3.5"+/- Milling (SY)	2" 19mm Binder (TON)	1.5" 9.5mm 0-0.3 ESALS (SY)	Bituminous Wedge Curb (LF)	MH Adjustments	Inlet Adjustments	ADA Ramp (EA)	Line Striping (LS)	Traffic Control / Restoration (LS)	Estimated Cost	Estimated Cost w/10% Contingency
2019 Browns Lane	McKnight Road	Northway Mall Drive	2500	36.0	10,000	10,000	1,288	10,000	5,000	6	11	5	0	1	\$185,925.00	\$204,517.50

Notes:

1. Estimates are merely opinions based on past experience and are not projections of current market conditions.
2. Roadway measurements are a combination of field and GIS measurements.
3. Guiderail Replacement should be reviewed by the Public Works Director and Township Engineer.
4. Browns Lane to be bid with 2018 Contract Base Bid
5. 2019 Roads will be paved in order as shown if budget allows

* Not continuous bituminous curb.