

2018 WINTERMIX

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	WINTERMIX (TON)	WINTERMIX COST
PREBLE	121	\$2,125.89	5.72	\$572.00
ROOT	100	\$1,753.80	4.73	\$473.00
UNION	48	\$839.52	2.27	\$227.00
KIRLAND	62	\$1,089.18	2.93	\$293.00
WASHINGTON	47	\$822.03	2.22	\$222.00
ST MARYS	49	\$857.01	2.32	\$232.00
TOTALS	427	\$7,487.43	20.19	\$2,019.00

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	WINTERMIX (TON)	WINTERMIX COST
FRENCH	56	\$979.44	2.65	\$265.00
MONROE	193.6	\$3,386.06	9.15	\$915.00
BLUE CREEK	95	\$1,661.55	4.5	\$450.00
HARTFORD	68	\$1,189.32	3.21	\$321.00
WABASH	196.1	\$3,429.79	9.27	\$927.00
JEFFERSON	84.5	\$1,477.91	3.98	\$398.00
TOTALS	693.2	\$12,124.07	32.76	\$3,276.00

2019 WINTERMIX

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	WINTERMIX (TON)	WINTERMIX COST
PREBLE	128.4	\$2,152.35	7.4	\$740.00
ROOT	63.7	\$1,090.53	3.67	\$367.00
UNION	24	\$427.23	1.38	\$138.00
KIRLAND	34.6	\$568.34	1.99	\$199.00
WASHINGTON	46	\$828.40	2.65	\$265.00
ST MARYS	56.5	\$998.43	3.25	\$325.00
TOTALS	353.2	\$6,065.28	20.34	\$2,034.00

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	WINTERMIX (TON)	WINTERMIX COST
FRENCH	58.5	\$1,031.04	3.37	\$337.00
MONROE	219.1	\$3,787.17	12.6	\$1,260.00
BLUE CREEK	82.8	\$1,341.93	4.77	\$477.00
HARTFORD	76	\$1,368.76	4.78	\$478.00
WABASH	398	\$7,132.90	22.92	\$2,292.00
JEFFERSON	119.4	\$2,116.11	6.98	\$698.00
TOTALS	953.8	\$16,777.91	55.42	\$5,542.00

1/15/20 - betsy

2018 TOTAL PATCHER

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
PREBLE	71	\$1,263.10	22.14	334.18	\$766.05
ROOT	93	\$1,651.48	29	437.73	\$1,003.42
UNION	135	\$2,398.95	42.09	635.42	\$1,456.51
KIRKLAND	35	\$622.95	10.91	164.74	\$377.59
WASHINGTON	24	\$426.96	7.48	112.96	\$258.90
ST MARYS	64	\$1,138.56	19.95	301.23	\$690.44
TOTALS	422	\$7,502.00	131.57	1986.26	\$4,552.91

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
FRENCH	18	\$320.22	5.61	84.72	\$194.18
MONROE	85	\$1,512.16	26.5	400.08	\$917.05
BLUE CREEK	46	\$821.34	14.34	216.51	\$496.27
HARTFORD	60	\$1,067.40	18.72	282.41	\$647.50
WABASH	93	\$1,651.77	29	437.73	\$1,003.43
JEFFERSON	57	\$1,015.53	17.77	268.29	\$614.96
TOTALS	359	\$6,388.42	111.94	1689.74	\$3,873.39

2019 TOTAL PATCHER

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
PREBLE	164	\$3,001.04	53.06	1091.54	\$2,382.79
ROOT	105	\$1,922.25	33.97	698.85	\$1,525.56
UNION	78	\$1,425.78	25.24	519.15	\$1,133.29
KIRKLAND	14	\$256.34	4.53	93.18	\$203.41
WASHINGTON	17	\$310.37	5.5	113.15	\$247.00
ST MARYS	41	\$750.72	13.26	272.88	\$595.68
TOTALS	419	\$7,666.50	135.56	2788.75	\$6,087.73

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
FRENCH	25	\$457.76	8.09	166.39	\$363.23
MONROE	78	\$1,430.58	25.24	519.15	\$1,133.29
BLUE CREEK	40	\$732.40	12.94	266.23	\$581.17
HARTFORD	73	\$1,339.33	23.62	485.87	\$1,060.64
WABASH	351	\$6,427.71	113.56	2336.15	\$5,099.73
JEFFERSON	78.5	\$1,435.70	25.4	522.47	\$1,140.54
TOTALS	645.5	\$11,823.48	208.85	4296.26	\$9,378.60

1/15/20 - betsy

PAVED ROADS - NORTH = 285.59 MILES & SOUTH = 273.6 MILES

2018 PATCHING PAVED ROADS

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
PREBLE	80	\$1,411.20	97.6	688	\$2,238.86
ROOT	12	\$212.28	11.46	450	\$805.56
UNION	0	\$0.00	0	0	\$0.00
KIRKLAND	0	\$0.00	0	0	\$0.00
WASHINGTON	16	\$282.24	22.92	380	\$825.92
ST MARYS	55.5	\$978.50	90.96	1600	\$3,416.56
TOTALS	163.5	\$2,884.22	222.94	3118	\$7,286.90

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
FRENCH	23	\$404.07	79.56	1716.5	\$3,467.08
MONROE	34	\$599.78	44.77	992	\$1,990.39
BLUE CREEK	39	\$689.31	38.25	898	\$1,776.73
HARTFORD	31	\$546.32	47.46	671	\$1,535.27
WABASH	54.7	\$953.46	114.85	2959	\$5,611.44
JEFFERSON	107.6	\$1,865.94	198.11	3183.66	\$7,017.82
TOTALS	289.3	\$5,058.88	523	10420.16	\$21,398.73

2019 PATCHING PAVED ROADS

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
PREBLE	0	\$0.00	0	0	
ROOT	55.5	\$1,013.96	45.47	750	\$1,899.32
UNION	32	\$581.12	22	475	\$1,046.60
KIRKLAND	104	\$1,889.84	119	2423.53	\$5,299.23
WASHINGTON	79.4	\$1,442.00	120.81	3006.11	\$6,604.23
ST MARYS	52	\$943.72	74.33	1500	\$3,335.93
TOTALS	322.9	\$5,870.64	381.61	8154.64	\$18,185.31

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
FRENCH	67.6	\$1,220.48	126.25	2830	\$5,977.16
MONROE	149	\$2,706.29	244.04	6569	\$13,454.67
BLUE CREEK	115	\$2,087.96	210.99	4194	\$9,005.50
HARTFORD	94	\$1,704.66	147.38	3293	\$7,104.65
WABASH	265.3	\$4,821.27	431.29	10246	\$21,438.86
JEFFERSON	98	\$1,781.78	133.4	3018	\$6,370.66
TOTALS	788.9	\$14,322.44	1293.35	30150	\$63,351.50

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PAVED ROADS - NORTH = 285.59 MILES & SOUTH = 273.6 MILES

2018 CHIP & SEAL / HORSE TROUGHS

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
PREBLE	0	\$0.00	0	0	\$0.00
ROOT	81.7	\$1,451.82	392.9	11673	\$21,283.93
UNION	0	\$0.00	0	0	\$0.00
KIRKLAND	264.5	\$4,688.12	1133.56	28456.32	\$58,350.59
WASHINGTON	421.8	\$7,480.82	2007.92	51109	\$103,323.36
ST MARYS	184.6	\$3,278.96	891.6	26163	\$43,638.93
TOTALS	952.6	\$16,899.72	4425.98	117401.32	\$226,596.81

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
FRENCH	67.2	\$1,188.92	394.31	12886.68	\$24,054.00
MONROE	437.9	\$7,798.70	1991.96	58652	\$186,064.98
BLUE CREEK					
HARTFORD	373.9	\$6,632.93	2086.19	57125	\$109,206.84
WABASH	414.4	\$7,342.58	2114.03	56842	\$105,005.75
JEFFERSON	229.7	\$4,072.19	1130.96	30145	\$55,493.51
TOTALS	1523.1	\$27,035.32	7717.45	215650.68	\$479,825.08

2019 CHIP & SEAL / HORSE TROUGHS

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
PREBLE	378.8	\$6,679.85	1792.6	45145	\$100,284.72
ROOT	203.4	\$3,607.09	1255.9	31312	\$69,277.45
UNION	116.3	\$2,031.13	762.03	18202	\$40,866.84
KIRKLAND	175	\$3,073.92	1111.09	25873	\$57,674.84
WASHINGTON	0	\$0.00	0	0	
ST MARYS	36.4	\$632.46	252.41	5702	\$12,279.72
TOTALS	909.9	\$16,024.45	5174.03	126234	\$280,383.57

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	OIL (GAL)	MATERIAL COST
FRENCH	23.8	\$419.68	158.26	3580	\$7,802.74
MONROE	285.6	\$5,046.49	1899.45	47859	\$104,745.70
BLUE CREEK	421.6	\$7,381.53	2173.8	55427	\$117,323.56
HARTFORD	41.9	\$729.48	241.21	5714	\$12,325.20
WABASH	654.2	\$11,554.85	3582.79	88473.14	\$178,468.85
JEFFERSON	241.9	\$4,251.85	1445.26	38161	\$80,441.89
TOTALS	1669	\$29,383.88	9500.77	239214.14	\$501,107.94

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STONE ROADS - NORTH = 22.5 MILES & SOUTH = 81 MILES

2018 HAULING STONE

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	STONE COST
PREBLE	33.8	\$591.17	272.56	\$3,048.76
ROOT	3.2	\$55.67	29.52	\$334.40
UNION	42.4	\$741.61	296.45	\$3,306.22
KIRKLAND	9.9	\$173.15	84.52	\$781.82
WASHINGTON	25.4	\$444.25	194.06	\$1,806.48
ST MARYS	149.1	\$2,607.78	1600.06	\$16,282.87
TOTALS	263.8	\$4,613.63	2477.17	\$25,560.55

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	STONE COST
FRENCH	147.1	\$2,572.86	2389.83	\$22,414.35
MONROE	116.1	\$2,030.56	1427.76	\$13,514.38
BLUE CREEK	262.7	\$4,594.66	3262.4	\$32,382.47
HARTFORD	102	\$1,783.97	2434.85	\$26,500.45
WABASH	212.1	\$3,709.67	2769.24	\$27,784.74
JEFFERSON	141	\$2,466.12	1794.48	\$18,285.59
TOTALS	981	\$17,157.84	14078.56	\$140,881.98

2019 HAULING STONE

NORTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	STONE COST
PREBLE	25	\$450.24	224.81	\$2,456.21
ROOT	6.8	\$122.47	65.42	\$768.69
UNION	25.2	\$453.85	261.84	\$3,076.63
KIRKLAND	8	\$144.08	84.58	\$799.28
WASHINGTON	24	\$432.25	193.85	\$1,831.88
ST MARYS	88	\$1,584.95	1321.07	\$13,474.94
TOTALS	177	\$3,187.84	2151.57	\$22,407.63

SOUTH TOWNSHIPS

	LABOR HOURS	LABOR COST	STONE (TON)	STONE COST
FRENCH	130	\$2,341.33	2151.06	\$20,797.08
MONROE	72	\$1,296.71	1252.21	\$12,509.54
BLUE CREEK	137	\$2,467.35	2390.92	\$24,387.39
HARTFORD	60	\$1,080.67	1944.26	\$19,831.45
WABASH	141	\$2,539.39	2374.54	\$24,184.08
JEFFERSON	111.1	\$2,000.88	1469.71	\$14,961.53
TOTALS	651.1	\$11,726.33	11582.7	\$116,671.07

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2018 - 2019 COMPARISON SUMMARY

LABOR & MATERIAL COST - WINTERMIX/TOTAL PATCHER/PATCHING/CHIP & SEAL/HORSE TROUGHS/STONE

WINTERMIX

	2018		2019		
NORTH TOWNSHIPS			NORTH TOWNSHIPS		
LABOR HOURS	427		LABOR HOURS	353.2	
LABOR COST	\$7,487.43		LABOR COST	\$6,065.28	
MATERIAL	\$2,019.00		MATERIAL	\$2,034.00	
TOTAL COST	\$9,506.43		TOTAL COST	\$8,099.28	
SOUTH TOWNSHIPS			SOUTH TOWNSHIPS		
LABOR HOURS	693.2		LABOR HOURS	953.8	
LABOR COST	\$12,124.07		LABOR COST	\$16,777.91	
MATERIAL	\$3,276.00		MATERIAL	\$5,542.00	
TOTAL COST	\$15,400.07		TOTAL COST	\$22,319.91	
	YEARLY HOURS	1120.2		YEARLY HOURS	1307
	YEARLY COST	\$24,906.50		YEARLY COST	\$30,419.19

TOTAL PATCHER

	2018		2019		
NORTH TOWNSHIPS			NORTH TOWNSHIPS		
LABOR HOURS	422		LABOR HOURS	419	
LABOR COST	\$7,502.00		LABOR COST	\$7,666.50	
MATERIAL	\$4,552.91		MATERIAL	\$6,087.73	
TOTAL COST	\$12,054.91		TOTAL COST	\$13,754.23	
SOUTH TOWNSHIPS			SOUTH TOWNSHIPS		
LABOR HOURS	359		LABOR HOURS	645.5	
LABOR COST	\$6,388.42		LABOR COST	\$11,823.48	
MATERIAL	\$3,873.39		MATERIAL	\$9,378.60	
TOTAL COST	\$10,261.81		TOTAL COST	\$21,202.08	
	YEARLY HOURS	781		YEARLY HOURS	1064.5
	YEARLY COST	\$22,316.72		YEARLY COST	\$34,956.31

PATCHING PAVED ROADS

PAVED ROADS - NORTH = 285.59 & SOUTH = 273.6

	2018		2019		
NORTH TOWNSHIPS			NORTH TOWNSHIPS		
LABOR HOURS	163.5		LABOR HOURS	322.9	
LABOR COST	\$2,884.22		LABOR COST	\$5,870.64	
MATERIAL	\$7,286.90		MATERIAL	\$18,185.31	
TOTAL COST	\$10,171.12		TOTAL COST	\$24,055.95	
SOUTH TOWNSHIPS			SOUTH TOWNSHIPS		
LABOR HOURS	289.3		LABOR HOURS	788.9	
LABOR COST	\$5,058.88		LABOR COST	\$14,322.44	
MATERIAL	\$21,398.73		MATERIAL	\$63,351.50	
TOTAL COST	\$26,457.61		TOTAL COST	\$77,673.94	
	YEARLY HOURS	452.8		YEARLY HOURS	1111.8
	YEARLY COST	\$36,628.73		YEARLY COST	\$101,729.89

CHIP & SEAL / HORSE TROUGHS

	2018		2019		
NORTH TOWNSHIPS			NORTH TOWNSHIPS		
LABOR HOURS	952.6		LABOR HOURS	909.9	
LABOR COST	\$16,899.72		LABOR COST	\$16,024.45	
MATERIAL	\$226,596.81		MATERIAL	\$280,383.57	
TOTAL COST	\$243,496.53		TOTAL COST	\$296,408.02	
SOUTH TOWNSHIPS			SOUTH TOWNSHIPS		
LABOR HOURS	1523.1		LABOR HOURS	1669	
LABOR COST	\$27,035.32		LABOR COST	\$16,024.45	
MATERIAL	\$479,825.08		MATERIAL	\$501,107.94	
TOTAL COST	\$506,860.40		TOTAL COST	\$517,132.39	
	YEARLY HOURS	2475.7		YEARLY HOURS	2578.9
	YEARLY COST	\$750,356.93		YEARLY COST	\$813,540.41

HAULING STONE

STONE ROADS - NORTH = 22.5 MILES & SOUTH = 81 MILES

	2018		2019	
NORTH TOWNSHIPS			NORTH TOWNSHIPS	
LABOR HOURS	263.8		LABOR HOURS	177

LABOR COST \$4,613.63
 MATERIAL \$25,560.55
TOTAL COST \$30,174.18

LABOR COST \$3,187.84
 MATERIAL \$22,407.63
TOTAL COST \$25,595.47

SOUTH TOWNSHIPS

LABOR HOURS **981**
 LABOR COST \$17,157.84
 MATERIAL \$140,881.98
TOTAL COST \$158,039.82

SOUTH TOWNSHIPS

LABOR HOURS **651.1**
 LABOR COST \$11,726.33
 MATERIAL \$116,671.07
TOTAL COST \$128,397.40

YEARLY HOURS 1244.8
YEARLY COST \$188,214.00

YEARLY HOURS 828.1
YEARLY COST \$153,992.87

GRAND TOTALS	2018	2019
	COST	HOURS
NORTH	\$305,403.17	2228.9
SOUTH	\$717,019.71	3845.6
YEARLY TOTAL	\$1,022,422.88	6074.5

GRAND TOTALS	2018	2019
	COST	HOURS
NORTH	\$367,912.95	2182
SOUTH	\$766,725.72	4708.3
YEARLY TOTAL	\$1,134,638.67	6890.3

1/15/20 - betsy

MILES PER TOWNSHIPS

NORTH TOWNSHIPS			
	PAVED ROADS	STONE ROADS	COMBINED
PREBLE	44.88	5.5	50.38
ROOT	59.35	2.5	61.85
UNION	48	2.5	50.5
KIRKLAND	45	1	46
WASHINGTON	53.67	2.5	56.17
ST MARYS	34.69	8.5	43.19
TOTALS	285.59	22.5	308.09

SOUTH TOWNSHIPS			
	PAVED ROADS	STONE ROADS	COMBINED
FRENCH	33.75	14	47.75
MONROE	64	8.5	72.5
BLUE CREEK	38	16.5	54.5
HARTFORD	40.41	16.5	56.91
WABASH	51.94	14	65.94
JEFFERSON	45.5	11.5	57
TOTALS	273.6	81	354.6

	PAVED ROADS	STONE ROADS	COMBINED
TOTAL MILES	559.19	103.5	662.69

COST PER MILE FOR CHIP/SEAL & HAULING STONE

NORTH TOWNSHIPS	
CHIP & SEAL	\$10,000.00
HAULING STONE	\$1,100.00

SOUTH TOWNSHIPS	
CHIP & SEAL	\$10,000.00
HAULING STONE	\$1,600.00