

Exhibit B- Proposed Five-Year Road Maintenance Program

PROGRAMMED IMPROVEMENTS
LIBERTYVILLE TOWNSHIP HIGHWAY DEPARTMENT
2020-2021 BUDGET YEAR



Street	From	To	Length (ft)	Width (ft)	Area (sy)	PCR	2020 Rehabilitation Cost	2019 Rehabilitation Cost	
Resurfacing/Patching									
Casey Road Patching	Almond	IL 21	4,480	24	11,947	57	\$20,600.00	\$20,000.00	
							Resurfacing Subtotal (Estimated):	\$20,600.00	\$20,000.00
Drainage Improvement Projects									
Casey Road Culvert Replacement							\$136,000.00	\$136,000.00	
Oak Spring Road Storm Sewer Repair							\$120,000.00	\$120,000.00	
CM Drainage Improvements - Phase 3- Cherrywood/Wildwood Storm Sewer*							\$179,000.00	\$179,000.00	
CM Drainage Improvements - Phase 3- Swale Maintenance*							\$131,000.00	\$131,000.00	
*Countryside Manor Drainage projects (Eligible for Lake County SMC funding totaling \$186,000)									
Federally Funded Project Costs									
Rockland Road- Construction Costs (20% Township Share of \$1,964,384.92)			3,520	26	10,169	51	\$392,876.98	\$392,876.98	
Rockland Road- Phase III (Amount shown eligible for 80% reimbursement)							\$200,000.00	\$200,000.00	
Oak Spring Road Bridge- Phase II Engineering (Amount shown eligible for 85% reimbursement)							\$40,000.00	\$40,000.00	
							3% Annual Inflation Compounded:	\$600.00	
Total:							\$1,219,000.00	\$1,219,000.00	
Total After Reimbursement:							\$839,000.00	\$839,000.00	
<i>(Note: Totals Rounded to nearest \$1,000)</i>									
Total Length (FT)			8000						
Total Length (Miles)			1.52						

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2021-2022 BUDGET YEAR

Street	From	To	Length (ft)	Width (ft)	Area (sy)	PCR	2021 Rehabilitation Cost	2019 Rehabilitation Cost
Resurfacing								
Forest Knoll Road	Terminus	Terminus	1,129	20	2509	54	\$53,233.60	\$50,177.78
Foster Avenue	Bayonne Avenue	Forest Knoll Road	835	20	1856	54	\$39,371.18	\$37,111.11
Muir Avenue	Bayonne Avenue	Forest Knoll Road	870	20	1933	54	\$41,021.47	\$38,666.67
Plaister Avenue	Bayonne Avenue	Muir Avenue	307	19	648	54	\$13,751.62	\$12,962.22
Quassey Avenue	Bayonne Avenue	Terminus	1,286	20	2858	55	\$60,636.33	\$57,155.56
Arcadia Road	Rockland Rd	Elm Rd	1182	20	2627	63	\$55,739.69	\$52,540.00
Elm Road	Arcadia Rd	Terminus	472	18	944	63	\$20,029.79	\$18,880.00
Fair Lane	Oak Grove Ave	Clover Ln	1,099	20	2,442	65	\$51,819.07	\$48,844.44
Fair Lane	Fair Lane	Terminus	144	20	320	66	\$6,789.76	\$6,400.00
Fairlane Lane	Fair Lane	Terminus	201	20	447	66	\$9,477.37	\$8,933.33
Resurfacing Subtotal (Estimated):							\$351,869.88	\$331,671.11
Drainage Improvement Project								
Fair Lane Drainage Improvements							\$61,800.00	\$60,000.00
Surface Patching								
Tanya Trail, Timber Lane, River Drive, Oak Spring Lane							\$42,436.00	\$40,000.00
Federally Funded Project Costs								
Oak Spring Road Bridge- Phase II Engineering (Amount shown eligible for 85% reimbursement)							\$222,809.60	\$206,000.00
							3% Annual Inflation Compounded:	\$19,245.60
Total:							\$679,000.00	\$638,000.00
Total After Reimbursement:							\$503,000.00	\$464,960.00
<i>(Note: Totals Rounded to nearest \$1,000)</i>								
Total Length (FT)			4855					
Total Length (Miles)			0.92					

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2022-2023 BUDGET YEAR

Street	From	To	Length (ft)	Width (ft)	Area (sy)	PCR	2022 Rehabilitation Cost	2019 Rehabilitation Cost	
Resurfacing									
Pinewood	Clover Lane	Terminus	893	20	1,984	62	\$43,369.12	\$39,688.89	
Clover Lane	Oak Grove Ave	Fair Lane	1,216	20	2,703	67	\$59,072.82	\$54,060.00	
Surface Patching									
Oak Pond Lane, Hawthorne Lane, Little Melody Lane								\$43,709.08	\$40,000.00
Resurfacing Subtotal (Estimated):								\$146,151.02	\$133,748.89
Federally Funded Project Costs									
Oak Spring Road Bridge- Construction Costs (16% Township Share)								\$437,090.80	\$400,000.00
Oak Spring Road Bridge- Phase III Engineering (Amount shown eligible for 84% reimbursement)								\$300,499.93	\$275,000.00
Rockland Road Bridge- Phase II								\$5,135.82	\$4,700.00
3% Annual Inflation Compounded:								\$75,428.68	
Total:								\$889,000.00	\$813,000.00
Total After Reimbursement:								\$655,000.00	\$582,000.00
<i>(Note: Totals Rounded to nearest \$1,000)</i>									
Total Length (FT)			1216						
Total Length (Miles)			0.23						

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2023-2024 BUDGET YEAR

Street	From	To	Length (ft)	Width (ft)	Area (sy)	PCR	2023 Rehabilitation Cost	2019 Rehabilitation Cost
Resurfacing								
Countryside Drive	S. of Bull Creek Drive	Terminus	710	22	1,736	59	\$39,067.66	\$34,711.11
St. Andrews Drive	Bull Creek Drive	Terminus	594	22	1,452	61	\$32,684.78	\$29,040.00
Valley Court	Countryside Drive	Terminus	428	20	951	63	\$21,409.68	\$19,022.22
Country Court	Countryside Drive	Terminus	844	20	1,876	65	\$42,219.09	\$37,511.11
Pinehurst Court	Bull Creek Dr	Terminus	393	23	1,005	66	\$22,622.73	\$20,100.00
Leesley Court	Bull Creek Dr	Terminus	1,262	23	3,226	67	\$72,617.83	\$64,520.00
Resurfacing Subtotal (Estimated):							\$230,621.76	\$204,904.44
Federally Funded Project Costs								
Rockland Road Bridge- Construction Costs (4% of Township Share)							\$67,617.82	\$57,800.00
Rockland Road Bridge- Phase III Engineering							\$8,189.01	\$7,000.00

3% Annual Inflation Compounded:		\$34,000.00
Total:	\$304,000.00	\$270,000.00
Total After Reimbursement:	\$308,000.00	\$263,000.00

(Note: Totals Rounded to nearest \$1,000)

Total Length (FT) 4231
Total Length (Miles) 0.80

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2024-2025 BUDGET YEAR



Street	From	To	Length (ft)	Width (ft)	Area (sy)	PCR	2024 Rehabilitation Cost	2019 Rehabilitation Cost
Resurfacing								
Idlewood Lane	Oak Grove Ave	Terminus	1,273	20	2,829	58	\$65,589.15	\$56,577.78
Birchwood Lane	Oak Grove Ave	Terminus	993	20	2,207	67	\$51,170.36	\$44,140.00
Sprucewood Lane	Oak Grove Ave	Terminus	840	20	1,867	67	\$43,287.29	\$37,340.00
Oak Grove Ave	Petersen Road	Terminus	2,021	22	4,941	69	\$114,559.46	\$98,820.00
Cherrywood Lane	Oak Grove Ave	Pinewood Ln	1,596	20	3,572	66	\$82,818.54	\$71,440.00
Park Lane	Cherrywood Ln	Terminus	744	20	1,654	78	\$38,348.79	\$33,080.00
Wildwood Court	Oak Grove Ave	Park Ln	1,562	20	3,472	78	\$80,499.99	\$69,440.00
Imperial Drive	St. Mary's Road	Terminus	2,211	22	5,405	57	\$125,309.80	\$108,093.33
Laurel Drive	Bradley Road	Terminus	1,338	34	5,055	60	\$117,194.88	\$101,093.33
Keith Drive	Laurel Drive	Terminus	378	35	1,470	62	\$34,082.66	\$29,400.00
Almond Road	Casey Rd	Township Limits	2577	22	6300	66	\$146,068.53	\$126,000.00
Resurfacing Subtotal (Estimated):							\$898,929.46	\$775,424.44

3% Annual Inflation Compounded:	\$124,000.00
Total:	\$899,000.00

Total Length (FT)	6504
Total Length (Miles)	1.23