



**STATE OF ILLINOIS  
ESTIMATED COST OF MAINTENANCE OPERATIONS**

Village of Orland Park  
BLR 14231 Attachment

**2017 SUMMARY**

MAINTENANCE/OPERATION	QUANTITY	LABOR	MATERIAL	EQUIPMENT	TOTALS
Pavement Maintenance		\$ 151,536		\$ 107,999	\$ 259,535
Crack Sealing		\$ 1,155		\$ 949	\$ 2,104
Storm Sewer Maintenance & Repair		\$ 95,634		\$ 99,044	\$ 194,678
Storm Sewer & Ditch Cleaning		\$ 68,376		\$ 68,576	\$ 136,952
Sidewalk & Curb Maintenance		\$ 284,130		\$ 150,936	\$ 435,066
Street Lighting Maintenance		\$ 246,015		\$ 283,782	\$ 529,797
Street Lighting & Traffic Signal - Energy	\$ 170,000	\$ -	\$ -	\$ -	\$ 170,000
Traffic Control		\$ 6,930		\$ 2,373	\$ 9,303
Traffic & Street Signs		\$ 115,962		\$ 108,048	\$ 224,010
Pavement Marking		\$ 4,314		\$ 1,361	\$ 5,675
Tree Trimming & Removal		\$ 388,542		\$ 242,327	\$ 630,869
Snow & Ice Control - Removal		\$ 436,128		\$ 122,990	\$ 559,118
State Salt Purchase	\$ 5,500	\$ -	\$ 328,400	\$ -	\$ 328,400
Median Maintenance		\$ 35,480		\$ 19,459	\$ 54,939
R.O.W. Mowing	\$ 48,110	\$ -	\$ -	\$ -	\$ 48,110
Street Sweeping		\$ 46,200		\$ 62,360	\$ 108,560
Leaf Pick-Up		\$ 80,850		\$ 125,789	\$ 206,639
<b>TOTAL MAINTENANCE COSTS</b>		<b>\$ 1,961,252</b>	<b>\$ 328,400</b>	<b>\$ 1,395,993</b>	<b>\$ 3,903,755</b>

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<b>Pavement Maintenance</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Truck - Dump, On Hwy (STERLING L7501)	492.00	\$ 37.96	\$ 18,676.32
Truck - Dump, On Hwy LNT 8000	492.00	\$ 51.38	\$ 25,278.96
Trailer - Flatbed (20 ton)	492.00	\$ 11.17	\$ 5,495.64
Roller - Vibratory (18HP)	820.00	\$ 11.00	\$ 9,020.00
Trailer - Flatbed (5 ton)	492.00	\$ 8.15	\$ 4,009.80
Saw - Concrete (37 HP)	492.00	\$ 15.25	\$ 7,503.00
Tractor Loader - Backhoe (108 HP)	656.00	\$ 57.95	\$ 38,015.20
Labor - Regular	3,280.00	\$ 46.20	\$ 151,536.00
Labor - Overtime	0.00	\$ 69.30	\$ -
<b>SUBTOTAL</b>			<b>\$ 259,535</b>

<b>Crack Sealing</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Truck - Dump, On Hwy (STERLING L7501)	25.00	\$ 37.96	\$ 949.00
Labor - Regular	25.00	\$ 45.07	\$ 1,126.75
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			<b>\$ 2,076</b>

<b>Storm Sewer Repair</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Compressor - Air (185 c.f.m.)	310.00	\$ 13.76	\$ 4,265.60
Saw - Concrete (37 HP)	310.00	\$ 15.25	\$ 4,727.50
Truck - 4x4 Pick-up	2,070.00	\$ 13.01	\$ 26,930.70
Sewer Equipment - Vactor (1,000 gal.)	1,040.00	\$ 51.47	\$ 53,528.80
Tractor Loader - Backhoe (108 HP)	100.00	\$ 57.95	\$ 5,795.00
Truck - Dump, On Hwy (STERLING L7501)	100.00	\$ 37.96	\$ 3,796.00
Labor - Regular	2,070.00	\$ 45.07	\$ 93,294.90
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			<b>\$ 192,339</b>

<b>Sewer/Ditch Cleaning</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Sewer Equipment - Vactor (1,000 gal.)	370.00	\$ 51.47	\$ 19,044.00
Truck - Dump, On Hwy (STERLING L7501)	740.00	\$ 37.96	\$ 28,090.00
Tractor Loader - Backhoe (108 HP)	370.00	\$ 57.95	\$ 21,442.00
Labor - Regular	1,480.00	\$ 45.07	\$ 66,704.00
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			<b>\$ 135,280</b>

<b>Sidewalk/Curb Maintenance</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Saw - Concrete (18 HP)	1,537.50	\$ 8.49	\$ 13,053.38
Compressor - Air (185 c.f.m.)	1,537.50	\$ 13.76	\$ 21,156.00
Truck - Dump, On Hwy (STERLING L7501)	3,075.00	\$ 37.96	\$ 116,727.00
Labor - Regular	6,150.00	\$ 45.07	\$ 277,180.50
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			<b>\$ 428,117</b>

<b>Traffic Signal/Streetlight Maintenance</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Truck-Aerial Bucket (55')	5,054.00	\$ 56.15	\$ 283,782.00
Labor - Regular	5,310.00	\$ 45.07	\$ 239,322.00
Labor - Overtime	10.00	\$ 67.60	\$ 676.00
<b>SUBTOTAL</b>			<b>\$ 523,780</b>

<b>Energy - Street &amp; Traffic Lights</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Commonwealth Edison			\$ 170,000

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Traffic Control	Hours	Cost/Hr	Total
Arrow Board	150.00	\$ 2.81	\$ 421.50
Truck - 4x4 Pick-up	150.00	\$ 13.01	\$ 1,951.50
Labor - Regular	150.00	\$ 45.07	\$ 6,760.50
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			<b>\$ 9,134</b>

Traffic/Street Signs	Hours	Cost/Hr	Total
Truck-Aerial Bucket (50')	2,260.00	\$ 47.73	\$ 107,869.80
Digger - Post Hole	130.00	\$ 1.37	\$ 178.10
Labor - Regular	2,510.00	\$ 45.07	\$ 113,125.70
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			<b>\$ 221,174</b>

Pavement Marking	Hours	Cost/Hr	Total
Truck - 4x4 Pick-up	90.00	\$ 13.01	\$ 1,170.90
Pavement Marker (Walk Behind)	67.50	\$ 2.81	\$ 189.68
Labor - Regular	93.38	\$ 45.07	\$ 4,208.64
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			<b>\$ 5,569</b>

Tree Trimming/Removal	Hours	Cost/Hr	Total
Truck - Dump, On Hwy (STERLING L7501)	840.00	\$ 37.96	\$ 31,886.40
Brush Chipper (115 HP)	4,200.00	\$ 26.24	\$ 110,208.00
Tub Grinder (Rental)	0.00		\$ -
Truck-Aerial Bucket (50')	2,100.00	\$ 47.73	\$ 100,233.00
Labor - Regular	8,380.00	\$ 45.07	\$ 377,686.60
Labor - Overtime	20.00	\$ 67.60	\$ 1,352.00
<b>SUBTOTAL</b>			<b>\$ 621,366</b>

Snow & Ice Control	Hours	Cost/Hr	Total
Truck - Dump, On Hwy LNT 8000	250.00	\$ 51.38	\$ 12,845.00
Truck - Dump, On Hwy (OSHKOSH MPT)	120.00	\$ 43.10	\$ 5,172.00
Truck - Dump, On Hwy (STERLING L7501)	1,310.00	\$ 37.96	\$ 49,727.60
Truck - Dump, On Hwy One ton	50.00	\$ 25.30	\$ 1,265.00
Truck - Dump, On Hwy LT 8500	0.00	\$ 54.94	\$ -
Tractor Loader - Front End Loader (150 HP)	410.00	\$ 55.42	\$ 22,722.20
Spreader - Salt w/ Tailgate	1,360.00	\$ 4.11	\$ 5,589.60
Spreader - V-Box	370.00	\$ 8.08	\$ 2,989.60
Snow Plow - Reversible	1,610.00	\$ 13.01	\$ 20,946.10
Snow Plow - V-Plow	120.00	\$ 14.44	\$ 1,732.80
Labor Regular Time - Total	5,840.00	\$ 45.07	\$ 263,208.80
Labor Overtime - Total	2,400.00	\$ 67.60	\$ 162,240.00
<b>SUBTOTAL</b>			<b>\$ 548,439</b>

R.O.W. Maintenance/Median Maintenance	Hours	Cost/Hr	Total
Arrow Board	1,230.00	\$ 2.81	\$ 3,456.30
Truck - 4x4 Pick-up	1,230.00	\$ 13.01	\$ 16,002.30
	0.00		\$ -
Labor - Regular	1,220.00		\$ 36,320.00
Labor - Overtime	10.00		\$ 760.00
<b>SUBTOTAL</b>			<b>\$ 56,539</b>

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<b>R.O.W. Maintenance/Mowing</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Labor - Contractor/Privatized		\$ 48,110.00	\$ 48,110.00
<b>SUBTOTAL</b>			\$ 48,110

<b>Street Sweeping</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Sweeper - Regenerative Air	1,000.00	\$ 62.36	\$ 62,360.00
Labor - Regular	1,000.00	\$ 45.07	\$ 45,070.00
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			\$ 107,430

<b>Leaf Pick-Up</b>	<b>Hours</b>	<b>Cost/Hr</b>	<b>Total</b>
Brush Chipper - Leaf Loader (80 HP)	1,155.00	\$ 21.40	\$ 24,717.00
Brush Chipper - Leaf Loader (65 HP) Vacuum	577.50	\$ 19.32	\$ 11,157.30
Truck - Dump, On Hwy LNT 8000	1,750.00	\$ 51.38	\$ 89,915.00
Labor - Regular	1,750.00	\$ 45.07	\$ 78,872.50
Labor - Overtime	0.00	\$ 67.60	\$ -
<b>SUBTOTAL</b>			\$ 204,662